



# 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**OWNER: (name and address)**Christian County Board of Education  
200 Glass Avenue Hopkinsville, KY 42240**CONTRACTOR: (name and address)**Atlas Companies  
5101 Commerce Crossing Drive Louisville, KY 40229**CONTRACT INFORMATION:**Contract For: BP 080/100-05 Steel Drs,  
Frames, Wood Drs Hdwe  
Date: September 08, 2023**CHANGE ORDER INFORMATION:**Change Order Number: 055  
Date: December 12, 2024**ARCHITECT: (name and address)**Hafer PSC  
101 E. Second Street, Suite 101 Owensboro, KY 42303**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.)*

Credit for access control per PR #24.

The original Contract Sum was	\$	362,000.00
Net change by previously authorized Change Orders	\$	(1,860.47)
The Contract Sum prior to this Change Order was	\$	360,139.53
The Contract Sum will be decreased by this Change Order in the amount of	\$	(197,339.00)
The new Contract Sum including this Change Order will be	\$	162,800.53

The Contract time will be unchanged by Zero(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, The Atlas Companies

*(Printed name and title)*

Date

**OWNER (Signature)**

BY: Christopher Bentzel, Christian County Board of Education

*(Printed name and title)*

Date



# PROPOSED CHANGE ORDER

**PROJECT** Christian County High School

**CONTRACTOR/SUPPLIER** Atlas

**BID PACKAGE** 080

DETAIL ITEM	AMOUNT
LABOR	\$ (35,168.00)
MATERIALS	\$ (162,171.00)
PROFIT & OVERHEAD	
BOND INSURANCE	
<b>COST BREAKDOWN TOTAL</b>	<b>\$ (197,339.00)</b>

**DESCRIPTION**  
Credit for Access Control per PR #24  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PR #** 24 (ATTACH PR)

**CHANGE ORDER INITIATED BY:**

\_\_\_\_\_ ARCHITECT/ENGINEER  
 \_\_\_\_\_ OWNER  
 \_\_\_\_\_ CONTRACTOR  
 CM  
 \_\_\_\_\_ CODE OFFICIAL  
 \_\_\_\_\_ OTHER \_\_\_\_\_

**PLEASE INCLUDE THIS FORM WITH EVERY CHANGE ORDER.**

## PROPOSAL REQUEST

**Project:** Christian County High School  
5185 Ft. Campbell Blvd  
Hopkinsville, KY 42240

**PR No.:** 024

**Date:** October 22, 2024

**Owner:** Christian County Public Schools  
222 Glass Ave  
Hopkinsville, KY 42240

**Project Number:** 2106-204

**Contract for:**

**To:** **Kevin Hitchel**  
Alliance Corporation  
116 E. College Street  
Glasgow, KY 42141

**RE:** Access Control System Modifications

This PR replaces PR16. All electrical items remain unchanged from PR16, so i have included those items from original PR. Atlas and KMPG to review new scope of work on cover sheet and refer to new Offline Access Control Spec 087100 for all items covered under new Salto bid.

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:

**THIS PR IS A REVISION OF PR16.** PR16 is now null and void. Salto products for rebid will be using 087101 specification for Offline Access Control Door Hardware. All items not substituted in 087101 or mentioned below shall remain.

Revise door hardware to include the following changes:

1. Access control items will be rebid to Salto systems per attached hardware set for reference. Atlas is to delete levers and KMPG is to remove exterior panic device trim for doors listed on Offline Access Control Door Hardware - 087101 and as shown in the attached Floor Plan 'AC-CTRL' where Salto devices are specified.
2. At Base Bid hardwired access controlled doors:
  - a) Remove all requests to exit, power supplies, card readers and other such items as listed in attached hardware set specification which will now be provided by Salto. Please note some doors will be changed to 'offline' Salto Hardware as shown in the plan and specification.

- B) Refer to Offline Access Control Door Hardware Specification 087101, revised Electrical drawings and itemized list of changes, and new Overall Plan 'AC-CNTRL' for additional information.
3. Change alternate bid 'offline' doors (Sets 19 and 20) to be provided by Salto as shown in the Offline Access Control Door Hardware 087101 and new Overall Plan 'AC-CNTRL'. Please note, some openings from revert to non-electrified hardware.

**NEW ACCESS CONTROL BID (SALTO) TO:**

- Furnish and Install Electrical Locks as specified in the revised hardware sets.
- Furnish and Install Exit Trim (outside lever, alignment kit, battery and escutcheon) as specified in the revised hardware sets
- Installation of exit device provided by Bid Package 080
- Furnish and Install REX & Power Supplies.
- Furnish and Install Card Readers.
- Furnish and Install Access Control System and components as shown in 'Set #AC Access Control System'.
- Program system & coordinate data wiring in racks with data cabling installer.
- Provide submittals to CM/Architect for coordination.
- Provide ATLAS and KMPG with templates for door hardware prep.
- Adhere to new prevailing wage rates
- \*No Door Position Switches
- Hardware must be prepped to receive Best cores.

**ATLAS TO:**

- Delete Locksets where Salto is indicated to provide locksets.
- Delete Exit Trim where Salto is indicated to provide exit trim
- Delete installation costs of Salto provided hardware sets.
- Delete Exit Trim on select rooms with multiple doors (science rooms, business classrooms, CTE Spaces. Ie #20a) where second door is required for egress (these are not access control doors); prep. For potential future installation.
- Delete Access Control System
- Delete any REX & Power Supplies
- Delete dogging function from any exit devices
- Keep Door Position Switches in price.
- Delete provide and install cores and cylinders for all doors.
- Delete installation of exit devices (Atlas will only provide the exit device to Salto partner for installation)
- Provide all exit devices with LD (less dogging) option.

### **KMPG TO:**

- Most openings general door hardware will remain as originally specified for access control as they are still wired.
- A few openings (B127.1, C113.1, C113.2) will have substituted Salto Devices. Coordinate with Salto for door prep.
- Delete any REX & Power Supplies
- Delete dogging function from any exit devices
- Keep Door Position Switches in contract price.
- Change powered panic/hinges to Electric Strike on keyed removable mullion
- Change frames to include the 'wire run' from edge of frame to edge of frame (this is from last on-site meeting conversation).
- Delete installation of exit devices (KY Mirror will only provide the exit device to Salto partner for installation)
- Alter banks of vestibule doors so that only one door in each bank shall be outfitted with keyed entry: (**Bold** openings to receive keyed entry, other doors to have keyed entry removed)  
A100A.2, A100A.2, **A100A.3** // **A100E.1**, A100E.2 // B100A.2, B100A.2, **B100A.3** // F100A.1, F100A.2, **F100A.3** // F100A.4, F100A.5, **F100A.6** // F100B.1, F100B.2, **F100B.3** // H100B.1, **H100B.2**
- Provide all exit devices with LD (less dogging) option.

### **MISC ITEMS:**

- ICC500 doors to remain as originally specified (no Salto Substitute)

### **STATE ELEC TO:**

- Run wiring and conduit as required in original bid and as modified in PR-016. Items remained unchanged in this PR so original PR#16 is still present on revised electrical drawings.
- Coordinate with Access Control Provider on wiring and installation.
- Provide and install Category 6 cable from BX75 to each Comm. Room.
- Provide and install wiring from BX75 to each door.

### **CCPS ITEMS:**

- Provide and install cores and cylinders for all doors and mullions.

### **Attachments:**

- OFFLINE ACCESS CONTROL DOOR HARDWARE 087101;
- Overall Floor Plan 'AC-CTRL';
- Itemized list of Changes to Electrical Drawings,
- Revised Electrical Drawings (Not changed from PR16): E1.1 Rev 1, E2.1A Rev 3, E2.1B Rev 3, E2.1B-ALT Rev 4, E2.1D Rev 3, E2.1E Rev 2, E2.1 F Rev 4, E2.1G Rev 2, E2.1H Rev 3, E2.1J Rev 2, E2.1K Rev 3, E2.2D Rev 2, E2.2E Rev 2, E2.2G Rev 2, E2.2J Rev 2, E3.1A Rev 1, E3.1B Rev 2, E3.1B-ALT Rev 1, E3.1C Rev 1, E3.1D Rev 1, E3.1E Rev 2, E3.1F Rev 1, E3.1G Rev 1, E3.1H Rev 1,

E3.1J Rev 1, E3.1K Rev 1, E3.2B-ALT Rev 1, E3.2D Rev 1, E3.2E Rev 1, E3.2F Rev 1, E3.2G Rev 1, E3.2H Rev 1, E3.2J Rev 1, E6.1 Rev 3, E6.3 Rev 4, E6.4 Rev 4, E6.5 Rev 3, E6.6 Rev 2, E6.7 Rev 3, E6.9 Rev 3, E6.10 Rev 3, E6.11 Rev 5, E6.12 Rev 2, E6.13 Rev 4, E6.14 Rev 1, E6.17 Rev 3, E7.3 Rev 3

**By:** Eric Rang, Matt Brockman

**CC:**

## SECTION 087101 – OFFLINE ACCESS CONTROL DOOR HARDWARE

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes the following:

- 1. Commercial offline door hardware for the following:

- a. Swinging doors.

- 2. Request to Exits

- 3. Power supplies and softw

- B. Related Sections include the following:

- 1. Division 08 Section "Hollow Metal Doors and Frames" for astragals provided as part of fire-rated labeled assemblies and for door silencers provided as part of hollow-metal frames.

- 2. Division 08 Section "Aluminum Frames" for door silencers provided as part of frames.

- 3. Division 08 Section "Flush Wood Doors" for astragals and integral intumescent seals provided as part of fire-rated labeled assemblies.

- 4. Division 08 Section "Coiling Security Grilles" for door hardware provided as part of overhead door assemblies.

- 5. Division 08 Section "Aluminum-Framed Entrances and Storefronts" for entrance door hardware, including cylinders.

- 6. Division 08 Section "Door Hardware "

- 7. Division 28 Section "Conduit and Raceways for Cabling for Access Control Systems" for wiring and conduit for access control systems.

- C. Products not provided, under this Section include the following:

- 1. Permanent cores to be furnished and installed by Owner.**

#### 1.3 SUBMITTALS

- A. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Maintenance Data: For each type of door hardware to include in maintenance manuals.

C. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of an Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams.

2. Rough-In diagrams to provide for to the door manufacturer.

a. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."

b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.

c. Content: Include the following information:

1) Type, style, function, size, quantity, and finish of each door hardware item, including handing & door number. Include description and function of each lockset and exit device.

2) Explanation of abbreviations, symbols, and codes contained in schedule.

3) Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.

a) Sequence of Operation: Include description of component functions.

d. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

#### 1.4 QUALITY ASSURANCE

A. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.

B. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use as applicable.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.

C. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.



- D. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

#### 1.6 COORDINATION

- A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- B. Electrical System Roughing-in: Coordinate layout and installation of electrified door hardware with connections to power supplies, fire alarm system and detection devices, access control system, security system and building control system.

#### 1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1.Failures include, but are not limited to, the following:

- a. Faulty operation of operators and door hardware.
- b. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

2.Warranty Period: One (1) year from date of Substantial Completion, or manufacture's standard warranty, whichever is longer.

#### 1.8 MAINTENANCE SERVICE

- A. Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of door hardware Installer.

#### 1.9 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in door and frame schedule and door hardware sets indicated in Part 3 "Door Hardware Sets".

1.Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and [named manufacturers' products, products equivalent in function and comparable in quality to named products, products complying with BHMA standard referenced.

2.Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.

- B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Sets" Article. Products are identified by using door hardware designations, as follows:
1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in Part 3 "Door Hardware Sets" Article.
  2. References to BHMA Standards: Provide products complying with these standards and requirements for description, quality, and function.
- C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
1. Manufacturers: **Provide products by the manufacturers specified.**

#### 1.10 LOCKS AND LATCHES, GENERAL

- A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with "Uniform Federal Accessibility Standards.]"
1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).
- B. Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.
- C. Electrified Locking Devices: BHMA A156.25.
- D. Backset: 2-3/4 inches (70 mm), unless otherwise indicated.
- E. Cylinders: Provide locks capable of receiving Best CORMAX cylinders and cores.
- F. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, and as follows:
1. Strikes for Locks and Latches: ANSI A115.2.
  2. Strikes for Auxiliary Deadlocks: as recommended by manufacturer.
  3. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.

#### MISCELLANEOUS DOOR HARDWARE

- G. Boxed Power Supplies: Modular unit in NEMA ICS 6, Type 4 enclosures; filtered and regulated; voltage rating and type matching requirements of door hardware served; and listed and labeled for use with fire alarm systems.

#### 1.11 FABRICATION

- A. **Manufacturer's Nameplate:** Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

- B. **Base Metals:** Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.
- C. **Fasteners:** Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

#### 1.12 FINISHES

- A. **Standard:** BHMA A156.18, as indicated in door hardware sets.
- B. **Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.**
- C. **Appearance of Finished Work:** Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

### PART 2 - EXECUTION

#### 2.1 EXAMINATION

- A. **Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.**
- B. **Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.**
- C. **Proceed with installation only after unsatisfactory conditions have been corrected.**

## 2.2 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights indicated [on Drawings] [as follows] unless otherwise indicated or required to comply with governing regulations.
1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
  2. Custom Steel Doors and Frames: DHI's "Recommended Locations for Builders' Hardware for Custom Steel Doors and Frames."
  3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
  2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- C. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings in equipment room. Verify location with Architect.
1. Configuration: **Provide power supplies as illustrated on plan.**
- D. Items to be furnished or installed or coordinated in field under this specification:
1. **Furnish and Install Electrical Locks as specified in the revised hardware sets.**
  2. **Furnish and Install Exit Trim (outside lever, alignment kit, battery and escutcheon) as specified in the revised hardware sets for**
  3. **Furnish and Install REX & Power Supplies.**
  4. **Furnish and Install Card Readers.**
  5. **Furnish and Install Access Control System and components as shown in 'Set #AC Access Control System'.**
  6. **Program system & coordinate data wiring in racks with data cabling installer.**

## 2.3 FIELD QUALITY CONTROL

## 2.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to

operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

## 2.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

## 2.6 DEMONSTRATION

Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

### **Hardware Sets:**

ACCESS CONTROL CONTRACTOR TO PROVIDE THE FOLLOWING HARWARE SETS AND PRODUCTS BY SALTO SYSTEMS, S.L

#### **Set # 1 Exterior Pair – Access Control / Card Reader**

Opening # A100E.1, B100A.3, F100A.3, F100A.6, F100B.3, G3, H100B.2, H114.2, J2

(*) See Plan "AC-CTRL" & Set #AC		POWER SUPPLY
(1) T.REX0CLBLK	Black	Request to Exit

#### **Set # 2 Exterior Pair – DPS**

Opening # A100A.1, A100A.2, A100E.2, B100A.1, B100A.2, F100A.1, F100A.2, F100A.4, F100A.5, F100B.1, F100B.2, H100B.1

(*) See Plan "AC-CTRL" & Set #AC		POWER SUPPLY
(1) T.REX0CLBLK	Black	Request to Exit

#### **Set # 3 Exterior Pair– NO WORK**

#### **Set # 4 Exterior Pair– NO WORK**

#### **Set # 5a Single Interior - Access Control / Card Reader**

Opening # D101.1, D101.2, E101.1, E101.2, E201, G101.1, G101.2, J101.1, J101.2, K100A, K101.1, K102.1

(\*) See Plan "AC-CTRL" & Set #AC  
(1) T.REX0CLBLK                      Black                      POWER SUPPLY  
Request to Exit

**Set # 5b Single Int – AC / Card Reader**

Opening # A194, B191, B195, D293, E204, G210, H113, H190, J210, K100D, K103.1, K113.2, K120, K191.1, K191.2

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)  
(1) T.REX0CLBLK                      Black                      Request to Exit

**Set # 6 Exterior Single – Access Control / Card Reader**

Opening # H116

(\*) See Set # AC  
(1) T.REX0CLBLK                      Black                      POWER SUPPLY  
Request to Exit

**Set # 7a Exterior Single– NO WORK**

**Set # 7b Exterior Single – DPS**

Opening # G104.1, G108, G114.2, G116.2, H115.1, J104.2, J108.1, J108.6, J112.2 & B127.1

(1ea) AM660N00IPBH8  
(1ra) KPP04IP

**Set # 8 Exterior Single– NO WORK**

**Set # 9, 10 & 11 – NO WORK**

**Set # 12 Interior Pair – Access Control / Card Reader**

Opening # D100, E100, G100, J100

(\*) See Plan "AC-CTRL" & Set #AC  
(1) T.REX0CLBLK                      Black                      POWER SUPPLY  
Request to Exit

**Set # 13– NO WORK**

**Set # 14 Single - Rated**

Opening # H105.1 & B107.1, B120.1

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 15 - NO WORK**

**Set # 16 Inswing Pair - Rated**

Opening # H102.1, H102.2

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 17b Interior Pair – Rated –**

Opening # ALT - B101.2, B101.4, B101.5, B101.7, B101.9, B101.10

(2ea) KPP04IP

(2ea) A0600N00IP38

**Set # 17a Interior Pair – Rated –**

Opening # ALT - B101.1, B101.3, B101.6, B101.8,

(1ea) AM660N00IPBH8E5 – with mechanical override Mortise cylinder (cylinder not included)

(2ea) KPP04IP

(1ea) A0600N00IP38

**Set # 18 Office Entrance / Misc. Openings w/ Closer**

Opening # A101, A114.1, A195, B117.1, D193, E196.1, E196.2, H107, H108, K118, K119.1, H193  
J100B, J200B,

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 19a - NO WORK**

**Set # 19b In Swing Classrooms / Out swing less than 50**

Opening # A102, A103, A104, A105, A106, A107, A112, A113, B101, B102, B103, B104, C106,  
D102.1, D102.2, D103, D105, D107, D108.1, D108.2, D112, D116, D201, D203, D205, D206, D209,  
D210, D212, E102, E103, E105, E110, E112, E113, E114, E115, E116, E117, E118, E120, E122,  
E202, E203, E205, E210, E212, E213, E214, E215, E216, E217, E218, E220, E222, G103, G105,  
G110, G112.1, G112.2, G118.3, G201, G202, G203, G204, G205, G211, G212, G216, J102.1,  
J102.2, J103, J105, J106.1, J106.2, J110.1, J110.2, J114.1, J114.2, J116, J201, J202, J203, J204,  
J205, J206, J208, J209, J212

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 20a - NO WORK**

**Set # 20b Out Swing Classrooms more than 50 / Misc.**

Opening # A109, A109.2, A116.1, A117.1, A193, B190, C2.2, C100C.1, C102.1, C102.2, C203, C204, D100B.1, , 100B.2, D104, D114.1, D115.1, D194, D202.1, D204.1, D207.1, D207.2, D208.1, D211.1, D296, E106.1, E106.2, E108.1, E194, E206.1, E206.2, E208.1, E294, G102, G106, G107.1, G114.1, G115.1, G116.1, G118.1, G193, G200C, G206, G207.1, G207.2, G209.1, G209.2, G213.1, G214.1, G295, 105.4, H114.1, H192.1, J104.1, J112.1, J113.1, J194, J207.1, J207.2, J211.1, J295, K190 & B127.2, B193.2

(1ea) AM660N00IPBH8E5 – with mechanical override Mortise cylinder (cylinder not included)

(1ea) KPP04IP

**Set # 21 Single Storeroom / Elec. Closet**

Opening # A108.1, A108.2, A116A, A116B, A202.1, A202.2, C2.3, C104, C112, C205, C206, D106A, D114A, D114B, D115A, D211A, D295, D298, E108A, E195, E208A, E295, G102A, G114A, G114B, G115A, G116A, G197, G213A, G296, H112.2, H191, J113A, J195, J211A, J294, K122 & B111B, B112B, B123D, B124D, B127A, B206

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 22a - NO WORK**

**Set # 22B Office / Misc. Entrance Openings**

Opening # A112A.1, A112A.2, A115.1, A115.2, B101A.1, B101A.2, B103A.1, B103A.2, C105, C113A, C113B, C202, C207, D101A, D101B, D101C, D111, D113, D202B.1, D202B.2, D294, E101A, E101B, E101C, E104, E109, E111, E201A, E201B, E201C, E209, E211, E296, G101A, G101B, G101C, G111, G113, G196, G294, H104, H106, J101A, J101B, J101C, J109, J111, J196, J296, K102.2, K102.3, K103.2, K104, K105, K106.1, K106.2, K107, K108, K109, K110, K111, K112, K113.1, K113A, K114, K119.2, K121.1, K121.2 & B107A.1, B107A.2, B108, B109, B110, B111A.1, B111A.2, B112A.1, B112A.2, B114, B123A.1, B123A.2, B124A.1, B124A.2, B125, B202, B203

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 23 Outswing Pair – Storeroom**

Opening # B118, C103. D195, D297, E193, GE293, G194, G293, J193, J293

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)



**Set # 24 Inswing Pair - Storeroom**

Opening # H112.1

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 25 – NO WORK**

**Set # 26a – NO WORK**

**Set # 26b Interior Pair**

Opening # A110.1, A110.2, C101.6

(1ea) AM660N00IPBH8E5 – with mechanical override Mortise cylinder (cylinder not included)

(2ea) KPP04IP

(1ea) A0600N00IP38

**Set # 27 Interior Pair – Alum**

Opening # C113.1, C113.2

(1ea) AM660N00IPBH8E5 – with mechanical override Mortise cylinder (cylinder not included)

(2ea) KPP04IP

(1ea) A0600N00IP38

**Sets # 28 - 31 – NO WORK**

**SET # 31 Pair – Store**

Opening # B105

(1ea) CM270N70CPB3 – with mechanical override SFIC cylinder (cylinder not included)

**Set # 32 Misc. – NO WORK**

**Set # 33 – NO WORK**

**Set # 34 – NO WORK**

**Set # 35**

Opening # C2.1, C2.4, , C200, C102.5

(1ea) AM660N00IPBH8

(1ra) KPP04IP

**Set # 36 Pair ICC-500 – NO WORK**

**Set # 37A Pair ICC-500 Rated – NO WORK**

**Set # 37B Pair ICC-500 Rated – NO WORK**

**Set # 38 Single – NO WORK**

**Set # 39**

Opening # K101.2

(\*) See Plan "AC-CTRL" & Set #AC

(1) T.REX0CLBLK

Black

POWER SUPPLY

Request to Exit

**Set # AC Access Control System**

Salto SPACE Software has already been installed and used by the district. All Salto hardware is a simple addition to the existing software.

**\*\*Note\*\*** It is recommended to contact the existing Salto providers, Compass Security Solutions, for programing and commissioning for district-wide unity.

(8) LSP - BX75-C4E1

(6) LSP – BX75-C8E1

(5) LSP – E1-Boxed

(36) Salto – WRDM0M4B - **\*\*Note\*\*** WRDM0A4B can be used when a single gang box is used for per-wire

(14) Salto – CU42E0TUS

(10) Salto – CU4200TUS

(6) Salto – CCVD20700-50 (Salto Cards – Printable both sides)

The door hardware provider shall furnish and install a quantity one Bitstream BTS500-8R POE Switch in each of the following data rooms (i.e. a total quantity of nine)

1. Data room A194
2. Data room B191
3. Data room H190
4. Data room K191

5. Data room D293
6. Data room E204
7. Data room G210
8. Data room J210

The POE switches shall be installed within the data equipment rack (in each data room) which houses the patch panels dedicated to access control system data cabling.

The door hardware provider shall coordinate the installed location within the rack with the Division 271310 Structure Data Cabling Systems contractor.

### **Push Button Release**

Opening # D100, D101.1, D101.2, E100, E101.1, E101.2, G100, G101.1, G101.2, , K101.1, K102.1, J100, J101.1, J101.2

(20)SDC 15-2 SPDT Momentary Desk Pushbutton Switch (1 Pushbutton at Admin Desk for each Opening)

### **Video Door Intercom**

Opening # F100A.3, F100B.3, H100B.2

(1) IX-DVF SIP Aiphone IP Video Door Station (1 Needed per Opening)

Opening # F100A.3, F100B.3, H100B.2

(1) SBX-IDVF Aiphone Stainless Steel Surface Mount Box for IX-DVF (1 Needed per Opening)

(1) IX-Soft-5 Aiphone IX Software for up to 5 Computers (only 1 Needed for Project)

**\*\*Final Hook up and Training by Hardware Supplier**

**\*\*Conduit, wire and pulling of wire by electrical contractor**

**\*\*End of Section\*\***



NOE # - 193-20-104

518 FT. CAMPBELL BLVD  
 HOPKINSVILLE, KY 40424

**HAFFNER**  
 1234 Main Street, Hopkinsville, KY 40425  
 Phone: (502) 422-1234  
 Fax: (502) 422-1234  
 Website: www.haffner.com

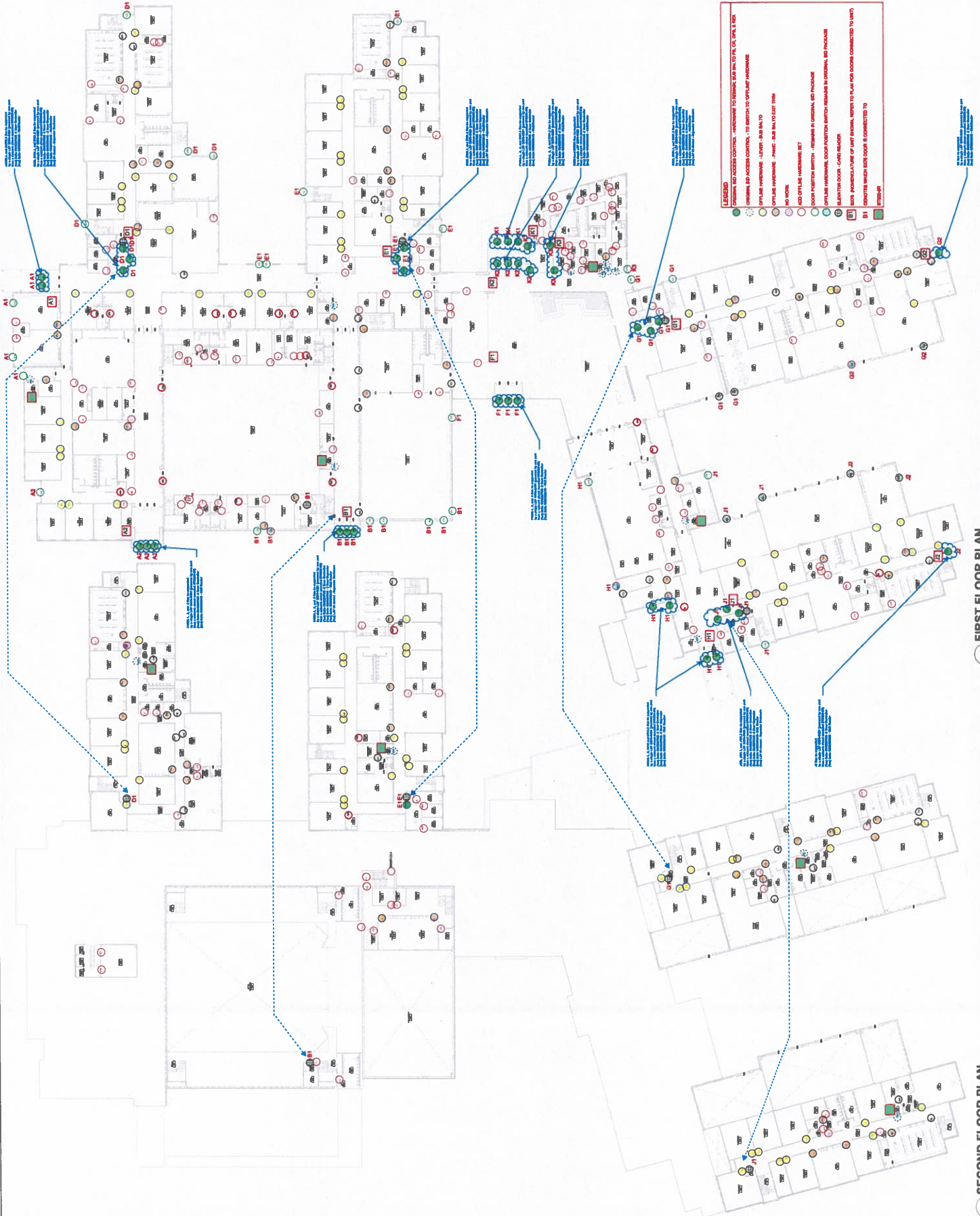
**ALLIANCE**  
 118 E. Center Street, Hopkinsville, KY 40425  
 Phone: (502) 421-0800

**bell**  
 107 Kings Dale, Hopkinsville, KY 40425  
 Phone: (502) 421-5449

**K&S Engineering, PLLC**  
 124 Walnut Drive, Clarksville, TN 37043  
 Phone: (615) 427-6500

**WBW**  
 3000 Center Street, Hopkinsville, KY 40425  
 Phone: (502) 421-2222

**GT**  
 833 Highway 101, Hopkinsville, KY 40425  
 Phone: (502) 421-2927



**LEGEND**

- OFFLINE ACCESS CONTROL - HARDWARE TO BE INSTALLED BY THE CONTRACTOR
- OFFLINE ACCESS CONTROL - TO BE CONNECTED TO OPTI-LITE HARDWARE
- OPTI-LITE HARDWARE - LATCH - SEE PLAN TO
- OPTI-LITE HARDWARE - FRAME - SEE PLAN TO
- NO WORK
- ADD OPTI-LITE HARDWARE SET
- LOCK POSITION SWITCH - REMAINS IN ORIGINAL BID PACKAGE
- OPTI-LITE HARDWARE, LOCK POSITION SWITCH REMAINS IN ORIGINAL BID PACKAGE
- ALARM ZONE - SEE PLAN
- SETS PERIPHERAL OF UNIT BUCKLE, WELPS TO FULL FOR LOCKS CONNECTED TO BIRTH
- BIRTH CONTROL WHICH LOCK IS CONNECTED TO
- MISC.

OFFLINE ACCESS CONTROL BID OVERALL PLANS  
 Date: 21.06.2014  
 Architect's Project No: OCTOBER, 2014  
 Drawing No: A100

**CHANGES TO ELECTRICAL DRAWINGS  
FOR  
PROPOSAL REQUEST NO. "PR-016"  
ACCESS CONTROL/DOOR HARDWARE MODIFICATIONS  
4/19/2024**

1. Reference attached sheets (Quantity 3) which show basic wiring riser diagrams of typical interconnections for the SALTO access control "wired" locations. Intent is to show basic interconnections required for the SALTO system.
2. All RJ45 jacks furnished and installed on access control data circuits shall fully support 100W POE.
3. Reference Revised Drawing E1.1 Rev 1.
  - a. Modified Door Hardware / Access Control Legend and symbol descriptions.
4. Reference Revised Drawings E2.1A Rev 3 & E6.1 Rev 3.
  - a. Vestibule A100A. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for door hardware (Three doors).
  - b. Vestibule A100E. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
  - c. Data Room A194. ~~DELETE~~ requirement to provide 120V power circuits (quantity three) to Access Control System panels.
5. Reference Revised Drawings E2.1B Rev 3 & E6.3 Rev 4.
  - a. Vestibule B100A. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for door hardware (Three Doors).
  - b. Data Room B191. ~~DELETE~~ requirement to provide 120V power circuits (quantity three) to Access Control System panels.
  - c. Data Room B195. ~~DELETE~~ requirement to provide 120V power circuits (quantity two) to Access Control System panels.
6. Reference Revised Drawings E2.1B-ALT Rev 4 & E6.17 Rev 3.
  - a. Multipurpose Room B127. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for exterior door hardware.
7. Reference Revised Drawings E2.1D Rev 3 & E6.4 Rev 4.
  - a. Corridor D100A. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for door hardware (West End of corridor).
  - b. Admin D101. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
8. Reference Revised Drawings E2.1E Rev 2 & E6.6 Rev 2.
  - a. Corridor E100A. ~~DELETE~~ requirement to provide 120V power circuit to Power supply for door hardware (West End of corridor).

- b. Admin E101. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
9. Reference Revised Drawings E2.1F Rev 4, E6.9 Rev 3 & E6.14 Rev 1.
- a. Vestibule F100B. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Three doors).
  - b. Corridor G100A. DELETE requirement to provide 120V power circuit to Power supply for door hardware (North End of corridor).
  - c. Admin G101. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
10. Reference Revised Drawings E2.1G Rev 2 & E6.9 Rev 3.
- a. Corridor G100B. DELETE requirement to provide 120V power circuit to Power supply for door hardware (South End of corridor).
11. Reference Revised Drawings E2.1H Rev 3, E6.11 Rev 5, E6.12 Rev 2, E6.11 Rev 5, E6.17 Rev 3, & E7.3 Rev 3.
- a. Vestibule H100B. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
  - b. Vestibule H116. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
  - c. Corridor J100A. DELETE requirement to provide 120V power circuit to Power supply for door hardware (North End of corridor).
  - d. Admin J101. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
  - e. Data Room H190. DELETE requirement to provide 120V power circuits (quantity two) to Access Control System panels.
  - f. Data Room H190. DELETE requirement to provide 120V power circuit to door hardware power supply.
12. Reference Revised Drawings E2.1J Rev 2 & E6.12 Rev 2.
- a. Corridor J100A. DELETE requirement to provide 120V power circuit to Power supply for door hardware (South End of corridor).
13. Reference Revised Drawing E2.1K Rev 3 & E6.14 Rev 1.
- a. Vestibule F100A. DELETE requirement to provide 120V power circuits to Power supply for door hardware (Six doors).
  - b. Corridor K100A. DELETE requirement to provide 120V power circuit Power supply for door hardware. (West End of Corridor)
  - c. Reception K101. DELETE requirement to provide 120V power circuit to Power supply for door hardware (Two doors).
  - d. Guide Conf K102. DELETE requirement to provide 120V power circuit Power supply for door hardware.
  - e. S.R.O. K103. DELETE requirement to provide 120V power circuit Power supply for door hardware.

- f. Guide Sec K120. ~~DELETE~~ requirement to provide 120V power circuit Power supply for door hardware.
  - g. FRC – Office K113. ~~DELETE~~ requirement to provide 120V power circuit Power supply for door hardware.
  - h. Data Room K191. ~~DELETE~~ requirement to provide 120V power circuit Power supply for door hardware.
  - i. Data Room K191. ~~DELETE~~ requirement to provide 120V power circuits (quantity three) to Access Control System panels.
14. Reference Revised Drawings E2.2D Rev 2 & E6.5 Rev 3.
- a. Data Room D293. ~~DELETE~~ requirement to provide 120V power circuits (quantity two) to Access Control System panels.
  - b. Data Room D293. ~~DELETE~~ requirement to provide 120V power circuit to door hardware power supply.
15. Reference Revised Drawing E2.2E Rev 2 & E6.7 Rev 3.
- a. Data Room E204. ~~DELETE~~ requirement to provide 120V power circuits (quantity two) to Access Control System panels.
  - b. Data Room E204. ~~DELETE~~ requirement to provide 120V power circuit to door hardware power supply.
16. Reference Revised Drawings E2.2G Rev 2 & E6.10 Rev 3.
- a. Data Room G210. ~~DELETE~~ requirement to provide 120V power circuits (quantity two) to Access Control System panels.
  - b. Data Room G210. ~~DELETE~~ requirement to provide 120V power circuit to door hardware power supply.
17. Reference Revised Drawings E2.2J Rev 2 & E6.13 Rev 4
- a. Data Room J210. ~~DELETE~~ requirement to provide 120V power circuits (quantity two) to Access Control System panels.
  - b. Data Room J210. ~~DELETE~~ requirement to provide 120V power circuit to door hardware power supply.
18. Reference Revised Drawing E3.1A Rev 1.
- a. Data Room A194.
    - i. ~~DELETE~~ requirement to install Access Control system panels.
    - ii. ~~DELETE~~ requirement to provide data cable to Access Control system panels.
    - iii. ~~DELETE~~ requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
    - iv. ~~ADD~~ requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.
  - b. Corridor A100K (North End).

- i. Door A100K. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room A194 to the door position switches on the exterior doors.
  - ii. Door A100K. ADD requirement to provide 22/4 low voltage cable from Door position Switches to BX75 in Ceiling cavity of Ticket Room A101.
- c. Corridor A100J (North End).
  - i. Door A100J.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room A194 to the door position switches on the exterior doors.
  - ii. Door A100J.1. ADD requirement to provide 22/4 low voltage cable from Door position Switches to BX75 in Ceiling cavity of Art Room 2 A117.
- d. Art 1 A116.
  - i. Door A116.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room A194 to the door position switch on the exterior door.
  - ii. Door A116.2. ADD requirement to provide 22/4 low voltage cable from Door position Switches to BX75 in Ceiling cavity of Art Room 2 A117.
- e. Art 2 A117.
  - i. Door A117.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room A194 to the door position switch on the exterior door.
  - ii. Door A117.2. ADD requirement to provide 22/4 low voltage cable from Door position Switches to BX75 in Ceiling cavity of Art Room 2 A117.
- f. Vestibule A100E.
  - i. Doors A100E.1 & A100E.2. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room A194 to the door hardware access control system devices.
  - ii. Doors A100E.1 & A100E.2. ADD requirement to provide data cables (two) to "C2" data outlet & BX75 equipment [provided within Art Room 2 accessible ceiling cavity space] required to control & monitor the vestibule doors.
  - iii. Doors A100E.1 & A100E.2. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within Art Room 2 accessible ceiling cavity space] required to control & monitor the vestibule doors.
- g. Vestibule A100A.
  - i. Doors A100A.1, A100A.2 & A100A.3. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room A194 to the door hardware access control system devices.
  - ii. Doors A100A.1, A100A.2 & A100A.3. ADD requirement to provide data cables (two) to "C2" data outlet & BX75 equipment [provided within Tickets



Room A101 ceiling cavity space] required to control & monitor the vestibule doors.

- iii. Doors A100A.1, A100A.2 & A100A.3. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within Tickets Room A101 ceiling cavity space] required to control & monitor the vestibule doors.

19. Reference Revised Drawing E3.1B Rev 2.

a. Data Room B191.

- i. DELETE requirement to install Access Control system panels.
- ii. DELETE requirement to provide data cable to Access Control system panels.
- iii. Door B191. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B191 to the door hardware access control devices.
- iv. Door B191. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
- v. ADD requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.

b. Data Room B195.

- i. DELETE requirement to install Access Control system panels.
- ii. DELETE requirement to provide data cable to Access Control system panels.
- iii. Door B195. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B195 to the door hardware access control devices.
- iv. Door B195. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.

c. Vestibule B100A.

- i. Doors B100A.1, B100A.2 & B100A.3. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room B191 to the door hardware access control system devices.
- ii. Doors B100A.1, B100A.2 & B100A.3. ADD requirement to provide data cables to "C2" data outlet & BX75 equipment [provided within Corridor B100B accessible ceiling cavity space] required to control & monitor the vestibule doors.
- iii. Doors B100A.1, B100A.2 & B100A.3. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within Corridor B100B accessible ceiling cavity space] required to control & monitor the vestibule doors.

d. Corridor B100C.

- i. Door B100C. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B195 to the door position switches on the exterior doors.
- ii. Door B100C. ADD requirement to provide 22/4 low voltage cable from Door position Switches to BX75 in Ceiling cavity of Corridor E100A.

20. Reference Revised Drawing E3.1B-ALT Rev 1.

a. Elec Room B193.

- i. Door B193.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B191 to the door position switch on the exterior door.
- ii. Door B193.1. ADD requirement to provide 22/4 low voltage cable from BX75 Equipment provided in the Accessible ceiling cavity space of Corridor B100B to the door position switch.

b. Multi-Purpose Room B127.

- i. Door B127.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B191 to the door hardware access control devices.
- ii. Door B127.1. DELETE requirement to rough-in for proximity reader, electric strike and request-to-exit. Rough-in for a door position switch is still required.
- iii. Door B127.1. ADD requirement to provide 22/4 low voltage cable from BX75 Equipment provided in the Accessible ceiling cavity space of Corridor B100B to the door position switch.

c. Elevator B (EL-B).

- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B191 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
- ii. ADD requirement to provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor B100B] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

21. Reference Revised Drawing E3.1C Rev 1.

a. Auxiliary Gym Room C101.

- i. Exterior Doors C101.7, C101.8, C101.9, C101.10, C101.11 & C101.12. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B191 to the door position switches on the exterior doors.

- ii. Exterior Doors C101.8, C101.9, C101.10, C101.11 & C101.12. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor B100B to the door position switches on the exterior doors.
- iii. Exterior Door C101.7. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Lobby F100F to the door position switches on the exterior doors.

22. Reference Revised Drawing E3.1D Rev 1.

a. Admin D101.

- i. Door D101.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware access control devices.
- ii. Door D101.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware access control devices.
- iii. ADD requirement to provide data cables to "C2" data outlet & BX75 equipment [provided within Corridor D100A accessible ceiling cavity space] required to control & monitor doors D101.1, D101.2, D100 & Elevator D-EL & associated proximity readers.
- iv. Doors D101.1 & D101.2. ADD requirement to provide low voltage access control system cables from the BX75 EQUIPMENT [provided within the accessible ceiling cavity space of Corridor D100A] required to control & monitor the doors.
- v. Note: The requirement for the Door release buttons and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor D100A] required to unlock the doors.

b. Corridor D100A (East End).

- i. Door D100. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware access control devices.
- ii. Door D100. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor D100A to the door position switches on the exterior doors.

c. Elevator D (EL-B).

- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
- ii. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of

Corridor D100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

d. Stair 1 (D1).

- i. Door D1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware door position switch.
- ii. Door D1. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor D100A to the door position switches on the exterior door(s).

e. Stair 2 (D2).

- i. Door D2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware door position switches.
- ii. Door D2. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor D100A to the door position switches on the exterior door(s).

f. Stair 3 (D3).

- i. Door D3.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware door position switches.
- ii. Door D3.1. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor D100A to the door position switches on the exterior door(s).

g. FCS Lab Room D110.

- i. Door D110.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware door position switches.
- ii. Door D110.2. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor D100A to the door position switches on the exterior door(s).

23. Reference Revised Drawing E3.1E Rev 2.

a. Admin E101.

- i. Door E101.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware access control devices.
- ii. Door E101.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware access control devices.

- iii. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Corridor E100A accessible ceiling cavity space] required to control & monitor doors E101.1, E101.2, E100 & Elevator E-EL & associated proximity readers.
  - iv. Doors E101.1 & E101.2. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor E100A] required to control & monitor the doors.
  - v. Note: The requirement for the Door release buttons and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor E100A] required to unlock the doors.
- b. Corridor E100A (East End).
- i. Door E100. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware access control devices.
  - ii. Door E100. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor E100A] required to control & monitor the door.
  - iii. Door E100. Note: The requirement for the Door release button (within Admin E101) and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor E100A] required to unlock the door.
- c. Elevator E (E-EL).
- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
  - ii. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor E100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.
- d. Stair 1 (E1).
- i. Door E1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware door position switches.
  - ii. Door E1. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor E100A to the door position switches on the exterior door(s).
- e. Stair 2 (E2).
- i. Door E2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware door position switches.

- ii. Door E2. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor E100A to the door position switches on the exterior door(s).

f. Stair 3 (E3).

- i. Door E3. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware door position switches.
- ii. Door E3. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in accessible ceiling cavity space of Corridor E100A to the door position switches on the exterior door(s).

24. Reference Revised Drawing E3.1F Rev 1.

a. Vestibule F100B.

- i. Doors F100B.1, F100B.2 & F100B.3. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room K191 to the door hardware access control system devices.
- ii. Doors F100B.1, F100B.2 & F100B.3. ADD requirement to provide data cables to "C2" data outlet & BX75 equipment [provided within Lobby F100F accessible ceiling cavity space] required to control & monitor doors F100B.1, F100.2 & F100B.3 & associated proximity readers.
- iii. Doors F100B.1, F100B.2 & F100B.3. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Lobby F100F] required to control & monitor the vestibule doors.

b. Corridor F100D.

- i. Exterior Door F100D. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door position switches on the exterior doors.
- ii. Exterior Door F100D. ADD requirement to provide 22/4 low voltage cables from BX75 equipment provided in the accessible ceiling cavity space of Corridor G100A to the door position switches on the exterior doors.

c. Admin G101.

- i. Door G101.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware access control devices.
- ii. Door G101.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware access control devices.

- iii. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Corridor G100A accessible ceiling cavity space] required to control & monitor doors G101.1, G101.2, G100 & Elevator G-EL & associated proximity readers.
  - iv. Doors G101.1 & G101.2. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] required to control & monitor the doors.
  - v. Note: The requirement for the Door release buttons and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] required to unlock the doors.
- d. Corridor G100A (North End).
- i. Door G100. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware access control devices.
  - ii. Door G100. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] required to control & monitor the door.
  - iii. Door G100. Note: The requirement for the Door release button (within Admin G101) and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] required to unlock the door.
- e. Elevator G (G-EL).
- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
  - ii. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.
- f. Stair 1 (G1).
- i. Door G1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware door position switch.
  - ii. Door G1. ADD requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] to the door position switch on the exterior door.
- g. Engr Lab Room G104.
- i. Door G104.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware door position switch.

- ii. Door G104.1. ADD requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] to the door position switch on the exterior door.

25. Reference Revised Drawing E3.1G Rev 1.

a. Stair 3 (G3).

- i. Door G3. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room G210 to the door hardware access control system devices.
- ii. Door G3. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Stair G3 accessible ceiling cavity space] required to control & monitor door G3 & associated proximity reader.
- iii. Door G3. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within accessible ceiling cavity space of Stair G3] required to control & monitor the vestibule doors.

b. Ind Maint Lab Room G116.

- i. Door G116.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware door position switch.
- ii. Door G116.2. ADD requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Stair G3] to the door position switch on the exterior door.

c. Welding Lab Room G114.

- i. Door G114.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware door position switch.
- ii. Door G114.2. ADD requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Stair G3] to the door position switch on the exterior door.

d. I.T. – CTE Room G108.

- i. Door G108. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware door position switch.
- ii. Door G108. ADD requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Corridor G100A] to the door position switch on the exterior door.

26. Reference Revised Drawing E3.1H Rev 1.

a. Vestibule H100B.



- i. Doors H100B.1 & H100B.2. **DELETE** requirement to provide composite low voltage cables from Access Control Panels in Data Room H190 to the door hardware access control system devices.
  - ii. Doors H100B.1 & H100B.2. **ADD** requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Corridor H100A accessible ceiling cavity space] required to control & monitor doors H100B.1 & H100B.2 associated proximity reader.
  - iii. Doors H100B.1 & H100B.2. **ADD** requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor H100A] required to control & monitor the doors.
  - iv. Door G100. Note: The requirement for the Door release button (within Admin K101) and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor H100A] required to unlock the door.
- b. KEN Data Room H113.
  - i. Door H113. **DELETE** requirement to provide composite low voltage cables from Access Control Panels in Data Room H190 to the door hardware access control system devices.
  - ii. Door H113. **DELETE** requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
- c. Vestibule H116.
  - i. Door H116. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room H190 to the door hardware access control system devices.
  - ii. Door H116. **ADD** requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor H100A] required to control & monitor the door.
- d. Elec Room H114.
  - i. Door H114.2. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room H190 to the door hardware access control system devices.
  - ii. Doors H114.2. **ADD** requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor H100A] required to control & monitor the door.
- e. Elec Room H115.
  - i. Door H115.1. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room H190 to the door hardware access control system devices.

- ii. Doors H115.1. **ADD** requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Corridor H100A] to the door position switch on the exterior door.
- f. Prep Room H105.
  - i. Exterior Door H105.5. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room H190 to the door position switch on the exterior door.
  - ii. Exterior Door H105.5. **ADD** requirement to provide 22/4 low voltage cable from BX75 equipment [provided within the accessible ceiling cavity space of Corridor H100A] to the door position switch on the exterior door.
- g. Mech Room H192.
  - i. Exterior Door H192.2. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room H190 to the door position switches on the exterior door.
  - ii. Exterior Door H192.2. **ADD** requirement to provide 22/4 low voltage cables from BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] to the door position switches on the exterior doors.
- h. Data Room H190.
  - i. **DELETE** requirement to install Access Control system panels.
  - ii. Door H190 **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room H190 to the door hardware access control devices.
  - iii. Door H190. **DELETE** requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
  - iv. **ADD** requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.
- i. Construction Lab Room J104.
  - i. Exterior Door J104.2. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door position switch on the exterior door.
  - ii. Exterior Door J104.2. **ADD** requirement to provide 22/4 low voltage cables from BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] to the door position switch on the exterior door.
- j. Admin J101.
  - i. Door J101.1. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door hardware access control devices.
  - ii. Door J101.2. **DELETE** requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door hardware access control devices.

- iii. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Corridor J100A accessible ceiling cavity space] required to control & monitor doors J101.1, J101.2, J100 & Elevator J-EL & associated proximity readers.
  - iv. Doors J101.1 & J101.2. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] required to control & monitor the doors.
  - v. Note: The requirement for the Door release buttons and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] required to unlock the doors.
- k. Corridor J100A (North End).
- i. Door J100. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door hardware access control devices.
  - ii. Door J100. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] required to control & monitor the door.
  - iii. Door J100. Note: The requirement for the Door release button (within Admin J101) and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] required to unlock the door.
- l. Elevator J (J-EL).
- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
  - ii. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.
- m. Stair 1 (J1).
- i. Exterior Door J1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door position switch on the exterior door.
  - ii. Exterior Door J1. ADD requirement to provide 22/4 low voltage cables from BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] to the door position switch on the exterior door.

27. Reference Revised Drawing E3.1J Rev 1.

- a. Stair 2 (J2).

- i. Exterior Door J2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the access control devices on the exterior doors.
  - ii. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Stair J2 accessible ceiling cavity space] required to control & monitor door J2 & associated proximity readers.
  - iii. Exterior Door J2. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within the accessible ceiling cavity space of Stair 2 (J2)]required to control & monitor the door.
- b. Auto Lab Room J108.
  - i. Exterior Door J108.6. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door position switch on the exterior door.
  - ii. Exterior Door J108.6. ADD requirement to provide 22/4 low voltage cables from the BX75 equipment [provided within the accessible ceiling cavity space of Stair 2 (J2)] to the door position switch on the exterior door.
  - iii. Exterior Door J108.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door position switch on the exterior door.
  - iv. Exterior Door J108.1. ADD requirement to provide 22/4 low voltage cables from the BX75 equipment [provided within the accessible ceiling cavity space of Corridor J100A] to the door position switch on the exterior door.
- c. Agriculture Lab Room J112.
  - i. Exterior Door J112.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door position switch on the exterior door.
  - ii. Exterior Door J112.2. ADD requirement to provide 22/4 low voltage cables from the BX75 equipment [provided within the accessible ceiling cavity space of Stair 2 (J2)] to the door position switch on the exterior door.

28. Reference Revised Drawing E3.1K Rev 1.

- a. Vestibule F100A.
  - i. Doors F100A.1, F100A.2, F100A.3 & K101.1. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room K191 to the door hardware access control system devices.
  - ii. Doors F100A.1, F100A.2, F100A.3 & K101.1. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] required to control & monitoring of doors & associated proximity readers.
  - iii. Doors F100A.1, F100A.2, F100A.3 & K101.1. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] required to control & monitor the following doors:F100A.1, F100A.2, F100A.3 and K101.1.

- iv. Doors F100A.4, F100A.5, F100A.6 & K101.2. DELETE requirement to provide composite low voltage cables from Access Control Panels in Data Room K191 to the door hardware access control system devices.
- v. Doors F100A.4, F100A.5, F100A.6 & K101.2. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Corridor F100C accessible ceiling cavity space] required to control & monitoring of doors & associated proximity readers.
- vi. Doors F100A.4, F100A.5 & F100A.6. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] required to control & monitor the following doors: F100A.4, F100A.5, F100A.6 and K101.2.
- vii. Note: The requirement for the Door release button and required operation shall remain a requirement. Provide low voltage access control system cables from the associated BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] and door release button as required to unlock door F100.3.

b. Reception K101.

- i. Door K101.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
- ii. Door K101.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
- iii. Door K101.1. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] required to control & monitoring of doors & associated proximity readers.
- iv. Door K101.1. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] required to control & monitor door K101.1.
- v. Door K101.1. Note: The requirement for the Door release button and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within SRO Room K103 accessible ceiling cavity space] required to unlock the door.
- vi. Door K101.2. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within Corridor F100C accessible ceiling cavity space] required to control & monitor the door.
- vii. Door K101.2. Note: The requirement for the Door release button and required operation shall remain a requirement. Provide low voltage access control system cables from the BX75 equipment [provided within Corridor F100C accessible ceiling cavity space] required to unlock the door.

c. Corridor K100A.

- i. Door K100A. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
    - ii. Doors K100A & K102.1. ADD requirement to provide data cables to “C2” data outlet & BX75 equipment [provided within Corridor K100A accessible ceiling cavity space] required to control & monitor doors & associated proximity readers.
    - iii. Door K100A. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within Corridor K100A accessible ceiling cavity space] required to control & monitor the door.
  - d. Guide Conf K102.
    - i. Door K102.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
    - ii. Door K102.1. ADD requirement to provide low voltage access control system cables from the BX75 equipment [provided within Corridor K100A accessible ceiling cavity space] required to control & monitor the door.
  - e. S.R.O. Room K103.
    - i. Door K103.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
    - ii. Door K103.1. DELETE requirements for rough-in of raceways for Proximity Reader, Electric Strike, Door Position Switch and Request-to-Exit device.
  - f. Guide Sec Room K120.
    - i. Door K120. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
    - ii. Door K120. DELETE requirements for rough-in of raceways for Proximity Reader, Electric Strike, Door Position Switch and Request-to-Exit device.
  - g. Corridor K100D.
    - i. Door K100D. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
    - ii. Door K100D. DELETE requirements for rough-in of raceways for Proximity Reader, Electric Strike, Door Position Switch and Request-to-Exit device.
  - h. FRC – Office Room K113.
    - i. Door K113.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
    - ii. Door K113.2. DELETE requirements for rough-in of raceways for Proximity Reader, Electric Strike, Door Position Switch and Request-to-Exit device.

- iii. Door K113.3. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
  - iv. Door K113.3. ADD requirement to provide 22/4 low voltage cables from the BX75 device [provided within Corridor K100A accessible ceiling cavity space] required to monitor the door position switch on the exterior door.
- i. Data Room K191.
- i. DELETE requirement to install Access Control system panels.
  - ii. DELETE requirement to provide data cables to Access Control system panels.
  - iii. Door K191.1. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
  - iv. Door K191.1. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
  - v. Door K191.2. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room K191 to the door hardware access control devices.
  - vi. Door K191.2. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
  - vii. ADD requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.

29. Reference Revised Drawing E3.2B-ALT Rev 1.

- a. Elevator B (EL-B).
- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room B191 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
  - ii. ADD requirement to provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor B100B] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

30. Reference Revised Drawing E3.2D Rev 1.

- a. Data Room D293.
- i. DELETE requirement to install Access Control system panels.
  - ii. Door D293. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the door hardware access control devices.
  - iii. Door D293. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
  - iv. ADD requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.

b. Elevator D (D-EL).

- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room D293 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
- ii. ADD requirement to provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor D100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

31. Reference Revised Drawing E3.2E Rev 1.

a. Data Room E204.

- i. DELETE requirement to install Access Control system panels.
- ii. Door E204. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware access control devices.
- iii. Door E204. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
- iv. ADD requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.

b. Elevator E (E-EL).

- i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
- ii. ADD requirement to provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor E100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

c. Admin Room E201.

- i. Door E201. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room E204 to the door hardware access control devices.
- ii. ADD requirement to provide data cables to "C2" data outlet & BX75 equipment [provided within Corridor E200A accessible ceiling cavity space] required to control & monitor door E201 & associated proximity reader.
- iii. Door E201. ADD requirement to provide low voltage access control system cables from the BX75 EQUIPMENT [provided within the accessible ceiling cavity space of Corridor E200A] required to control & monitor the door.
- iv. Note: The requirement for the Door release buttons and required operation shall remain a requirement. Provide low voltage access control system



cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor E200A] required to unlock the doors.

32. Reference Revised Drawing E3.2F Rev 1.

- a. Elevator G (G-EL).
  - i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
  - ii. ADD requirement to provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor G100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

33. Reference Revised Drawing E3.2G Rev 1.

- a. Data Room G210.
  - i. DELETE requirement to install Access Control system panels.
  - ii. Door G210. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room G210 to the door hardware access control devices.
  - iii. Door G210. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
  - iv. ADD requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.

34. Reference Revised Drawing E3.2H Rev 1.

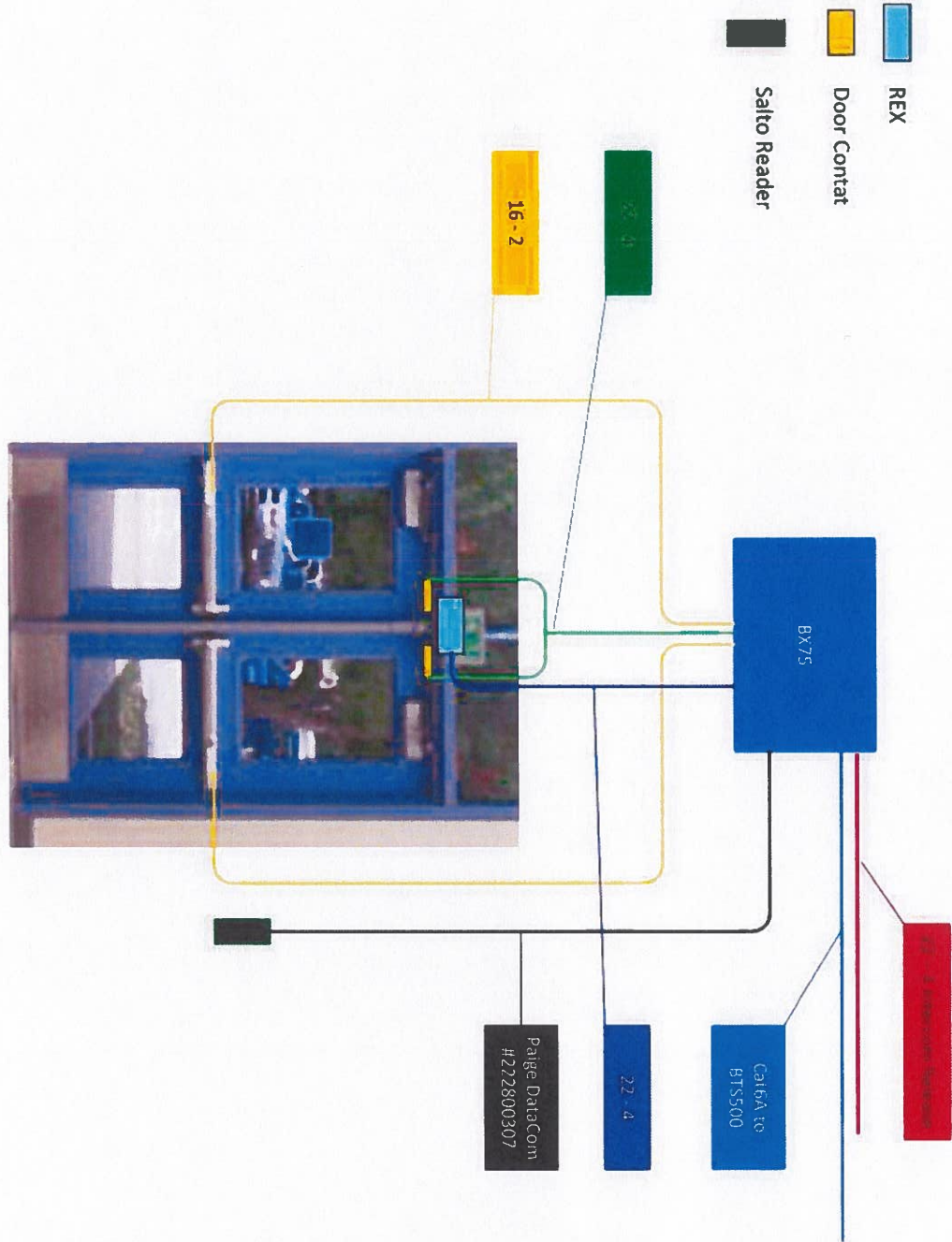
- a. Elevator J (J-EL).
  - i. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the elevator controller and proximity readers on the 1<sup>st</sup> & 2<sup>nd</sup> floors.
  - ii. ADD requirement to provide low voltage access control system cables from the BX75 device [provided within the accessible ceiling cavity space of Corridor J100A] required to control the elevator. Provide all required access control cables to the proximity readers and the elevator controller.

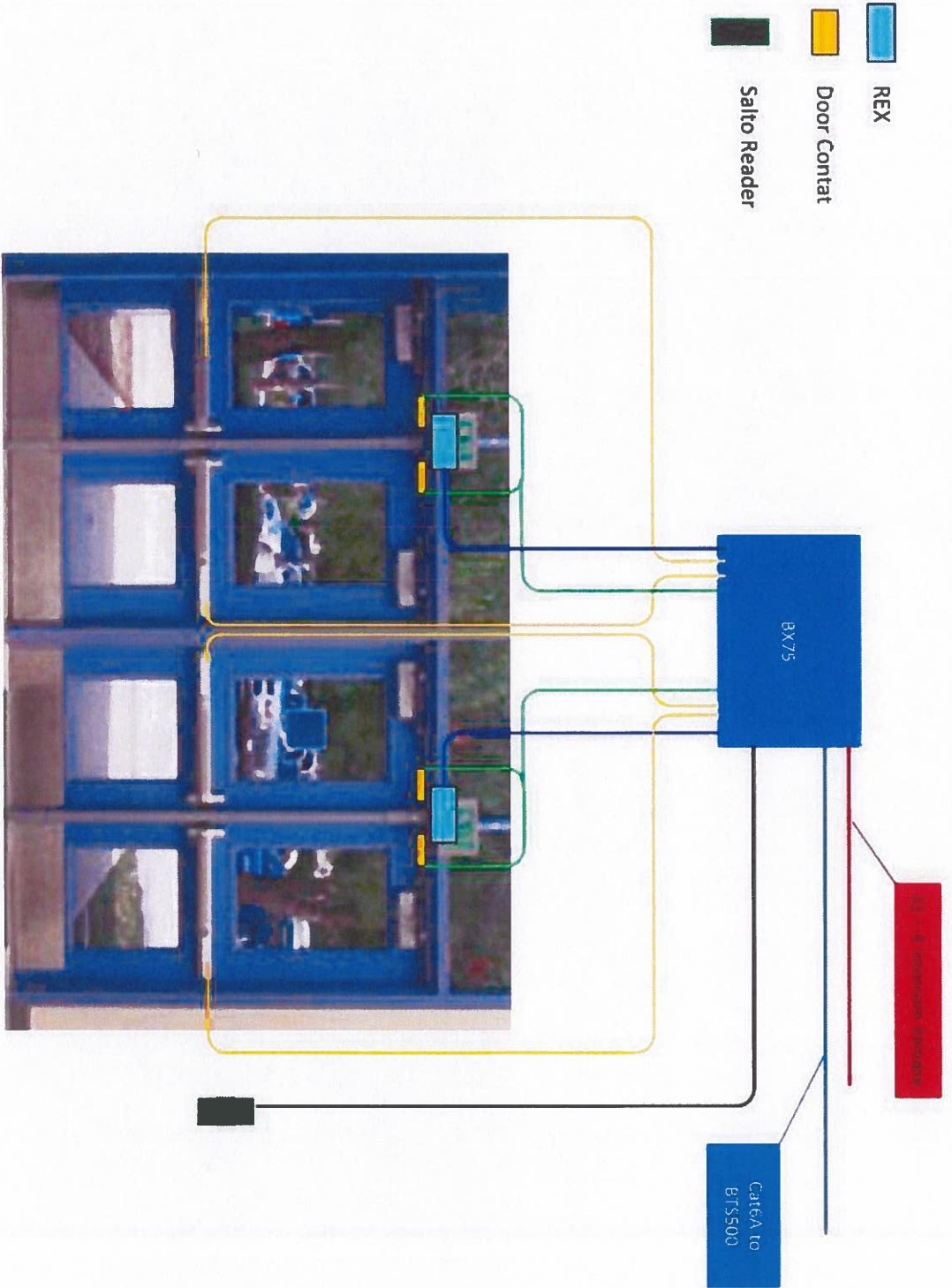
35. Reference Revised Drawing E3.2J Rev 1.

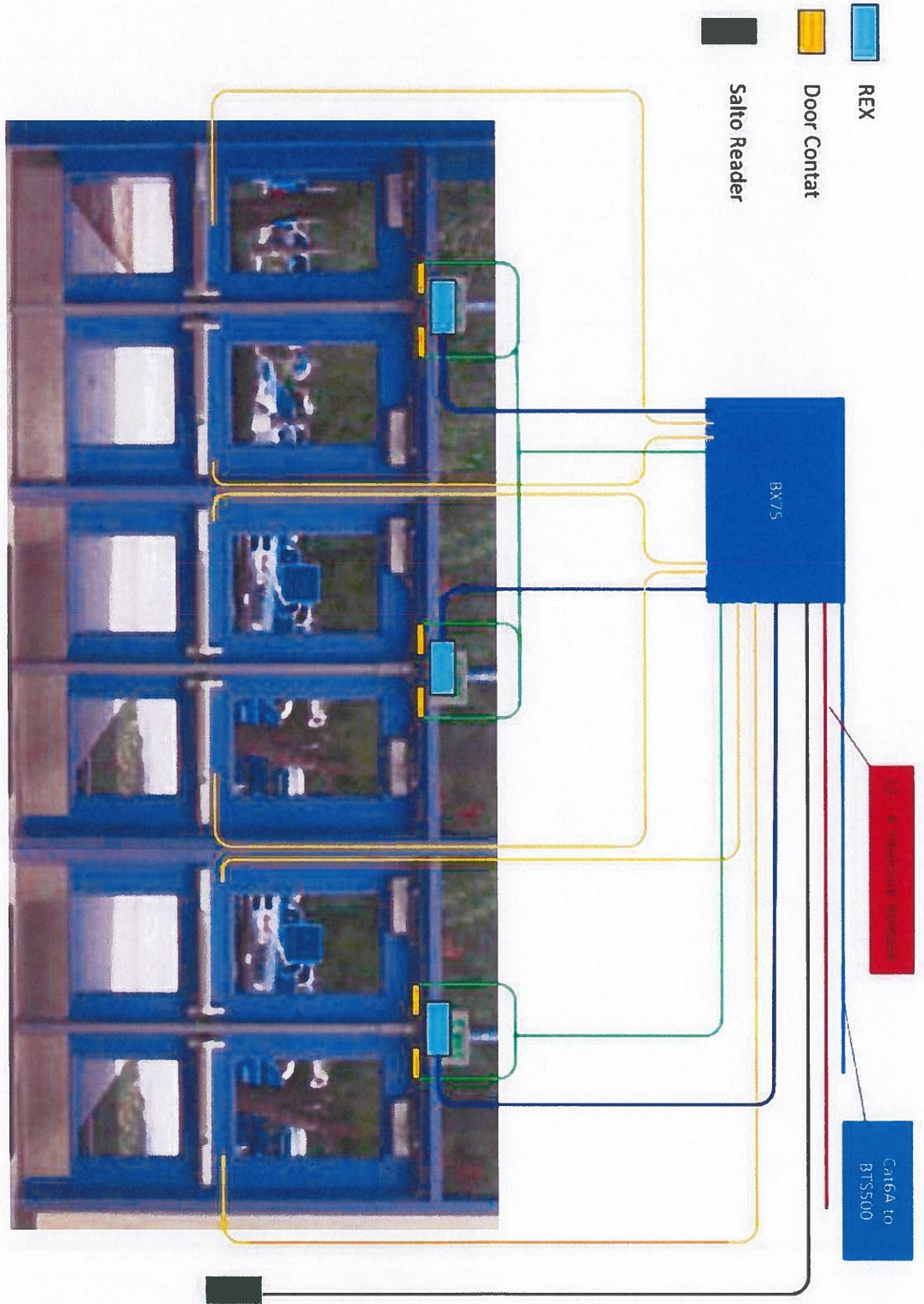
- a. Data Room J210.
  - i. DELETE requirement to install Access Control system panels.
  - ii. Door J210. DELETE requirement to provide composite low voltage cable from Access Control Panels in Data Room J210 to the door hardware access control devices.
  - iii. Door J210. DELETE requirement to rough-in for proximity reader, electric strike, request-to-exit and door position switch.
  - iv. ADD requirement to provide CAT6A data patch cord from the CCHS network switch to the BTS500-8R POE switch.

END OF CHANGES

# BASIC RISER WIRING DIAGRAMS FOR SALTO SYSTEM











NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.

NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.

NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.

NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.

NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

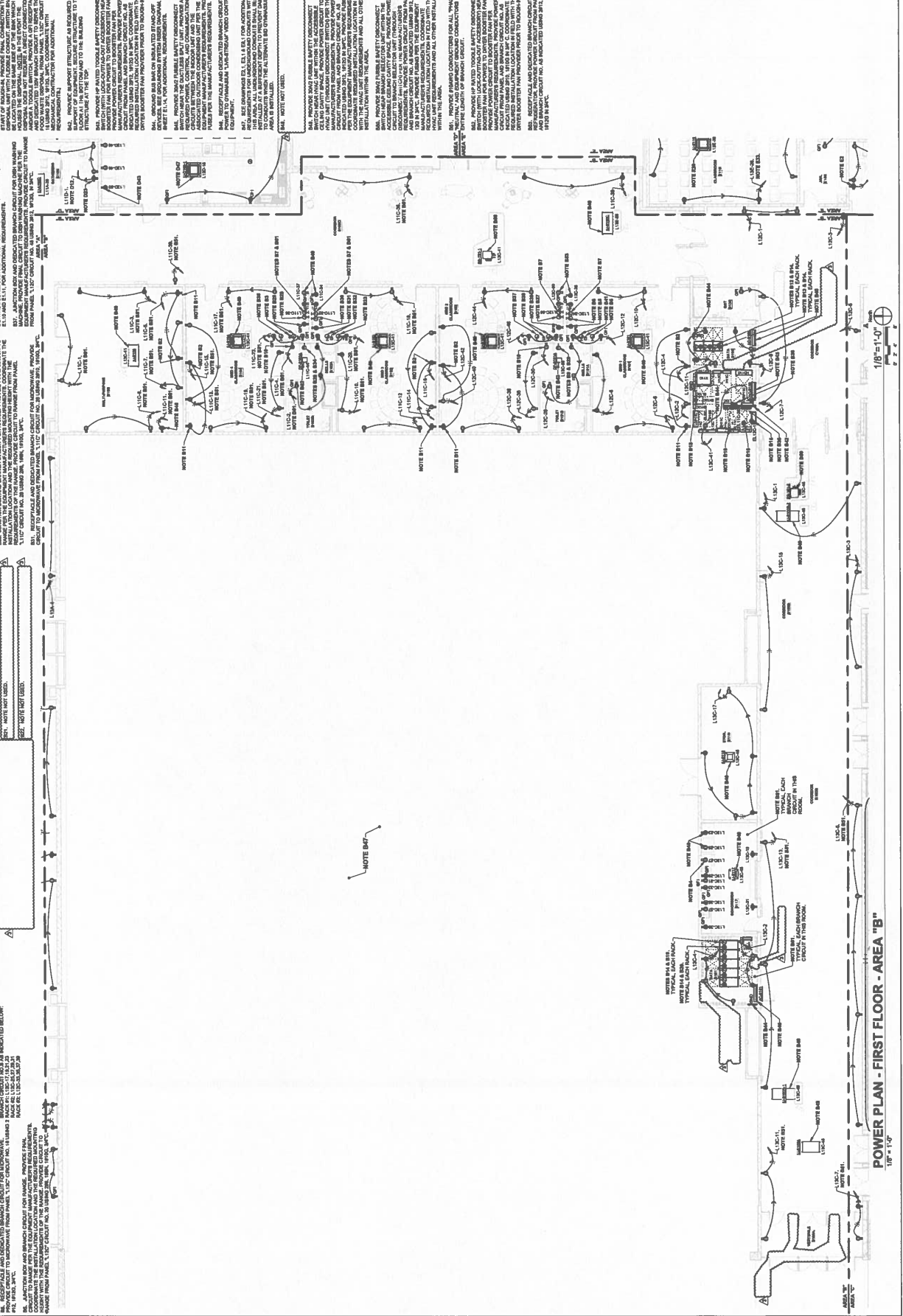
B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.

NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.

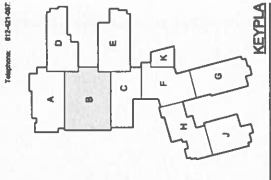
NOTES (FIRST FLOOR POWER PLAN - AREA 'B') (CONTI.)

B1. PROVIDE AMOUNT OF POWER TO EACH ROOM AND BRANCH CIRCUIT TO SERVE THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED BELOW.



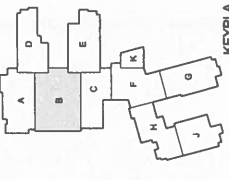
Logos for Hopkenville-Christina County Academy, Christian County Public Schools, and Hafner.

Logos for Alliance, Bell, K&S Engineering PLLC, WBM Engineering, and other contractors.



Project information including drawing title 'POWER PLAN - FIRST FLOOR - AREA 'B'', drawing number 'E2.1B', and date 'May 20, 2010'.





Revised	By	Date
1	W. B. W.	05/14/20
2	W. B. W.	05/14/20
3	W. B. W.	05/14/20
4	W. B. W.	05/14/20
5	W. B. W.	05/14/20

**NOTES (FIRST FLOOR POWER PLAN - AREA "B" - ALT):**

1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

2. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE LOCAL ELECTRICAL CODES AND ORDINANCES.

4. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE DESIGNER'S REQUIREMENTS.

5. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ARCHITECT'S REQUIREMENTS.

6. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

7. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

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20. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

**NOTES (FIRST FLOOR POWER PLAN - AREA "B" - ALT) (CONTINUED):**

21. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

22. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

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**NOTES (FIRST FLOOR POWER PLAN - AREA "B" - ALT) (CONTINUED):**

41. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

42. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

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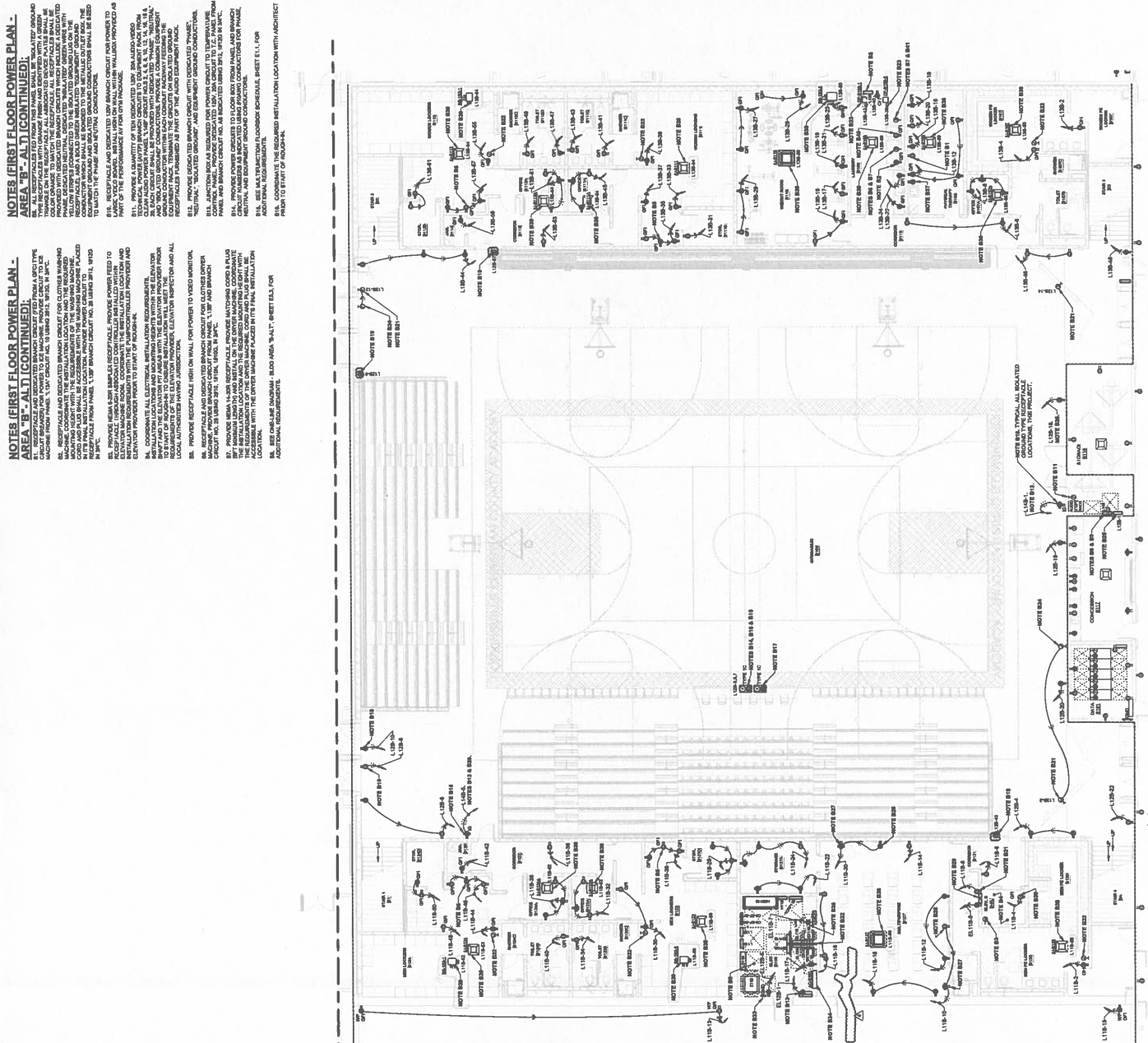
56. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

57. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

58. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.

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60. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE ELECTRICAL CONTRACTOR'S REQUIREMENTS.



**NOTE:** ALL INSTALLATION SHOWN WITHIN THE DASH BOUNDARY LINE IS TO BE INSTALLED AS PART OF THE ELECTRICAL CONTRACTOR'S REQUIREMENTS. SEE THE ELECTRICAL CONTRACTOR'S REQUIREMENTS ON THE OUTSIDE OF THE DASHED BOUNDARY LINES.

**NOTE B2B:** TYPICAL ALL INDICATED CONNECTIONS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

**GENERAL NOTES (FIRST FLOOR POWER PLAN - AREA "D")**

1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL, STATE AND FEDERAL REGULATIONS.

**NOTES (FIRST FLOOR POWER PLAN - AREA "D")**

1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL, STATE AND FEDERAL REGULATIONS.

**NOTES (FIRST FLOOR POWER PLAN - AREA "D")**

1. PROVIDE ALL ELECTRICAL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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**bell**

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**K&S Engineering PLLC**

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Telephone: 502-837-4000

**WBW**

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Hopkinsville, KY 40484  
Telephone: 502-837-4000

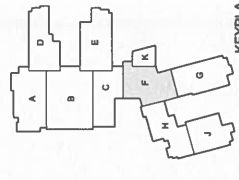
**POWER PLAN - FIRST FLOOR - AREA "D"**

Architect's Project No: 2106-204  
Date: May, 20

Sheet Title: POWER PLAN - FIRST FLOOR - AREA "D"







POWER PLAN - FIRST FLOOR  
- AREA 'F'

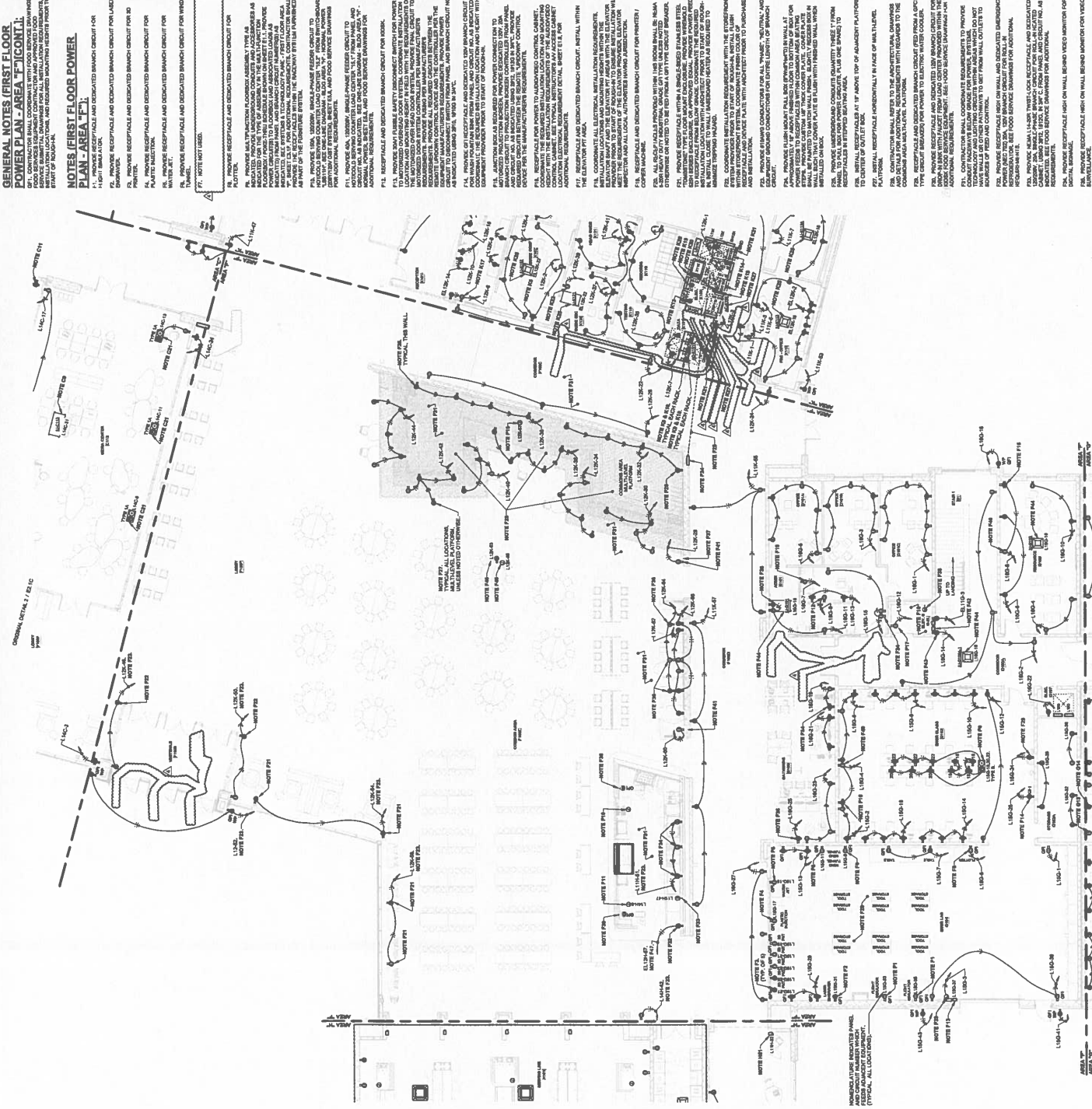
Author's Project No: 2106-204  
Date: May, 20  
Drawing No: E2.1F

**GENERAL NOTES (FIRST FLOOR POWER PLAN - AREA 'F'):**  
1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.  
2. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE NATIONAL ELECTRICAL CODE (NEC).  
3. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.  
4. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.  
5. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.  
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10. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.

**NOTES (FIRST FLOOR POWER PLAN - AREA 'F'):**  
1. PROVIDE 120V, 15 AMP, BRIDGE RECTIFIER POWER SUPPLY TO ALL 24VDC DEVICES.  
2. PROVIDE 120V, 15 AMP, BRIDGE RECTIFIER POWER SUPPLY TO ALL 24VDC DEVICES.  
3. PROVIDE 120V, 15 AMP, BRIDGE RECTIFIER POWER SUPPLY TO ALL 24VDC DEVICES.  
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**NOTES (FIRST FLOOR POWER PLAN - AREA 'F'):**  
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**NOTES (FIRST FLOOR POWER PLAN - AREA 'F'):**  
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9. PROVIDE 120V, 15 AMP, BRIDGE RECTIFIER POWER SUPPLY TO ALL 24VDC DEVICES.  
10. PROVIDE 120V, 15 AMP, BRIDGE RECTIFIER POWER SUPPLY TO ALL 24VDC DEVICES.



POWER PLAN - FIRST FLOOR - AREA 'F'

















NOTE # 603-201-104

506 FT. CAMPBELL BLVD  
HOPKINSVILLE, KY 42240

**HAFER**

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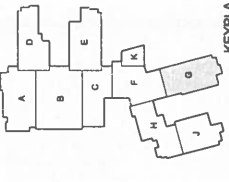
**ALLIANCE**  
118 E. College Street  
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**bell**  
Engineering  
127 Kyles Drive  
Hopkinsville, KY 42240  
Telephone: 502-238-5848

**K&S Engineering, PLLC**  
134 Walnut Drive  
Columbia, TN 38400  
Telephone: 615-481-0244

**WBW**  
900 Commerce Street  
Hopkinsville, KY 42240  
Telephone: 502-238-2327

**GT**  
G.T. Bradley and Equipment Co.  
1800 Highway 100  
Hopkinsville, KY 42240  
Telephone: 502-231-4817



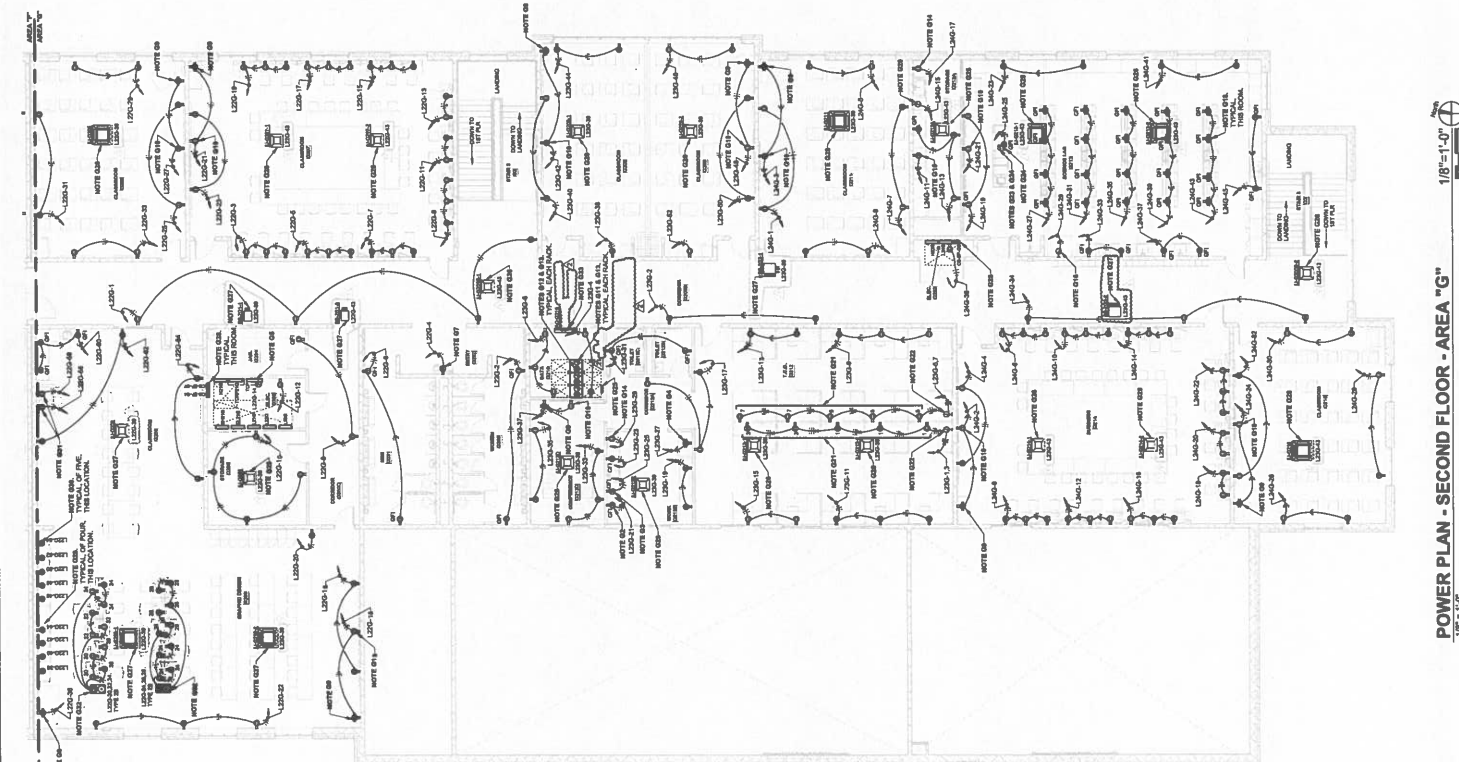
KEY PLAN

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

02. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER.

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

01. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER.



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

01. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER.

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

02. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER. PROVIDE ALL FUNCTION PANELS WITH JUNCTION BOX AND DISCONNECT BRANCH CIRCUIT FOR LIGHTS AND POWER.



**GENERAL NOTES  
(FOR ALL SYSTEMS & TECH PLANS)**

1. ALL SYSTEMS & TECH PLANS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR'S MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS. THIS COORDINATION SHALL BE COMPLETED BEFORE THE INSTALLATION OF ANY SYSTEMS OR TECH PLANS.

2. ALL SYSTEMS & TECH PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

3. ALL SYSTEMS & TECH PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 (NEC) CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

4. ALL SYSTEMS & TECH PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL ELECTRICITY BOARDS CODE (IECC) AND THE NATIONAL ELECTRICAL CODE (NEC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

**NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA A)**

1. PROVIDE 1/2" DIA. RIGID COPPER PIPING FOR ALL WATER SERVICES TO THE FIRST FLOOR. THE PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC) AND THE NATIONAL PLUMBING CODE (NPC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

2. PROVIDE 1/2" DIA. RIGID COPPER PIPING FOR ALL GAS SERVICES TO THE FIRST FLOOR. THE PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL GAS CODE (IGC) AND THE NATIONAL GAS CODE (NGC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

**NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA A) (CONT.)**

3. PROVIDE 1/2" DIA. RIGID COPPER PIPING FOR ALL SANITARY SERVICES TO THE FIRST FLOOR. THE PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC) AND THE NATIONAL PLUMBING CODE (NPC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

4. PROVIDE 1/2" DIA. RIGID COPPER PIPING FOR ALL RAINWATER SERVICES TO THE FIRST FLOOR. THE PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC) AND THE NATIONAL PLUMBING CODE (NPC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

**HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY**



**CHRISTIAN COUNTY PUBLIC SCHOOLS**

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5186 FT. GARNETT RD. HOPKINSVILLE, KY 40424

**HAFER**

118 E. College Street  
Hopkinsville, KY 40484  
Telephone: 774-441-4444

**ALLIANCE**

**belle** engineering

**KS** Engineering, PLLC

**WBW**

**GT**

**DES** Design and Engineering Co.



KEYPLAN

Revised By	Drawn By	Checked By

Sheet Title: **SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA A**

Date: **May, 20**

Project No: **2106-204**

Drawing No: **E3.1A**



**SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "A"**

**1/8"=1'-0"**

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

ALL SYSTEMS & TECH. PLANS SHALL BE PROVIDED TO THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS AND EQUIPMENT WITH THE EXISTING FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.

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

ALL SYSTEMS & TECH. PLANS SHALL BE PROVIDED TO THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS AND EQUIPMENT WITH THE EXISTING FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.

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

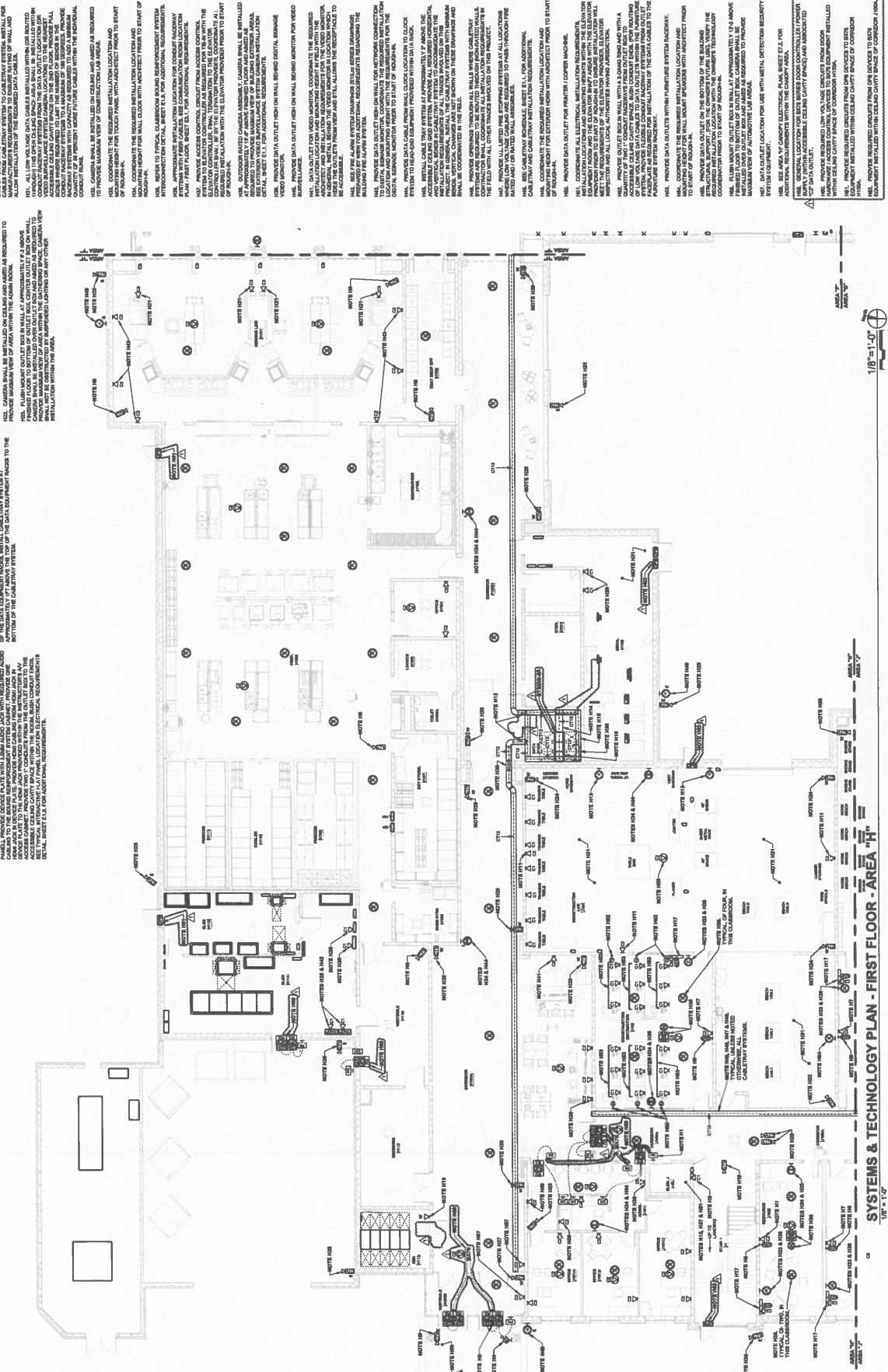
1. DATA CABLES SHALL BE INSTALLED IN WALL MOUNTED INTERACTIVE PLANT PANELS. COORDINATE WITH ALL OTHER SYSTEMS & TECH. PLANS TO AVOID CONFLICTS. ALL SYSTEMS & TECH. PLANS SHALL BE PROVIDED TO THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS AND EQUIPMENT WITH THE EXISTING FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.

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

2. DATA CABLES SHALL BE INSTALLED IN WALL MOUNTED INTERACTIVE PLANT PANELS. COORDINATE WITH ALL OTHER SYSTEMS & TECH. PLANS TO AVOID CONFLICTS. ALL SYSTEMS & TECH. PLANS SHALL BE PROVIDED TO THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS AND EQUIPMENT WITH THE EXISTING FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.

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

3. DATA CABLES SHALL BE INSTALLED IN WALL MOUNTED INTERACTIVE PLANT PANELS. COORDINATE WITH ALL OTHER SYSTEMS & TECH. PLANS TO AVOID CONFLICTS. ALL SYSTEMS & TECH. PLANS SHALL BE PROVIDED TO THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DATA AND INFORMATION PROVIDED BY THE CLIENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS AND EQUIPMENT WITH THE EXISTING FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.



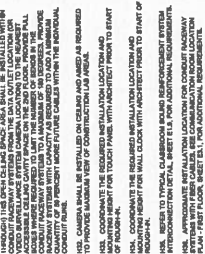
**SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "H"**

1/8" = 1'-0"

DATE: MAY 20, 2004  
PROJECT NO: 2106-204  
DRAWING NO: E3.1H

- 1. PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES.
- 2. MAINTAIN CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.
- 3. PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES.
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- 9. PROVIDE ADEQUATE PROTECTION FOR ALL EXISTING UTILITIES AND STRUCTURES.
- 10. MAINTAIN CLEAR ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES.

**KEY PLAN**



**HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY**  
 118 E. Cherry Hill  
 Hopkinsville, KY 42240  
 Telephone: 278-2218

**SHIFR CAMPBELL, INC.**  
 1000 S. Main Street  
 Hopkinsville, KY 42240  
 Telephone: 278-2218

**HAFFNER**  
 118 E. Cherry Hill  
 Hopkinsville, KY 42240  
 Telephone: 278-2218

**ALLIANCE**  
 118 E. Cherry Hill  
 Hopkinsville, KY 42240  
 Telephone: 278-2218

**bell**  
 118 E. Cherry Hill  
 Hopkinsville, KY 42240  
 Telephone: 278-2218

**K&S Engineering, PLLC**  
 124 Helms Drive  
 Campbell, KY 42204  
 Telephone: 527-0706

**WBW**  
 800 Campbell Lane  
 Campbell, KY 42204  
 Telephone: 278-2218

**G**  
 800 Campbell Lane  
 Campbell, KY 42204  
 Telephone: 278-2218

**CHRISTIAN COUNTY - PUBLIC SCHOOLS**  
 118 E. Cherry Hill  
 Hopkinsville, KY 42240  
 Telephone: 278-2218

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

**Architect's Project No: 2106-204**  
 Date: May 20, 2004

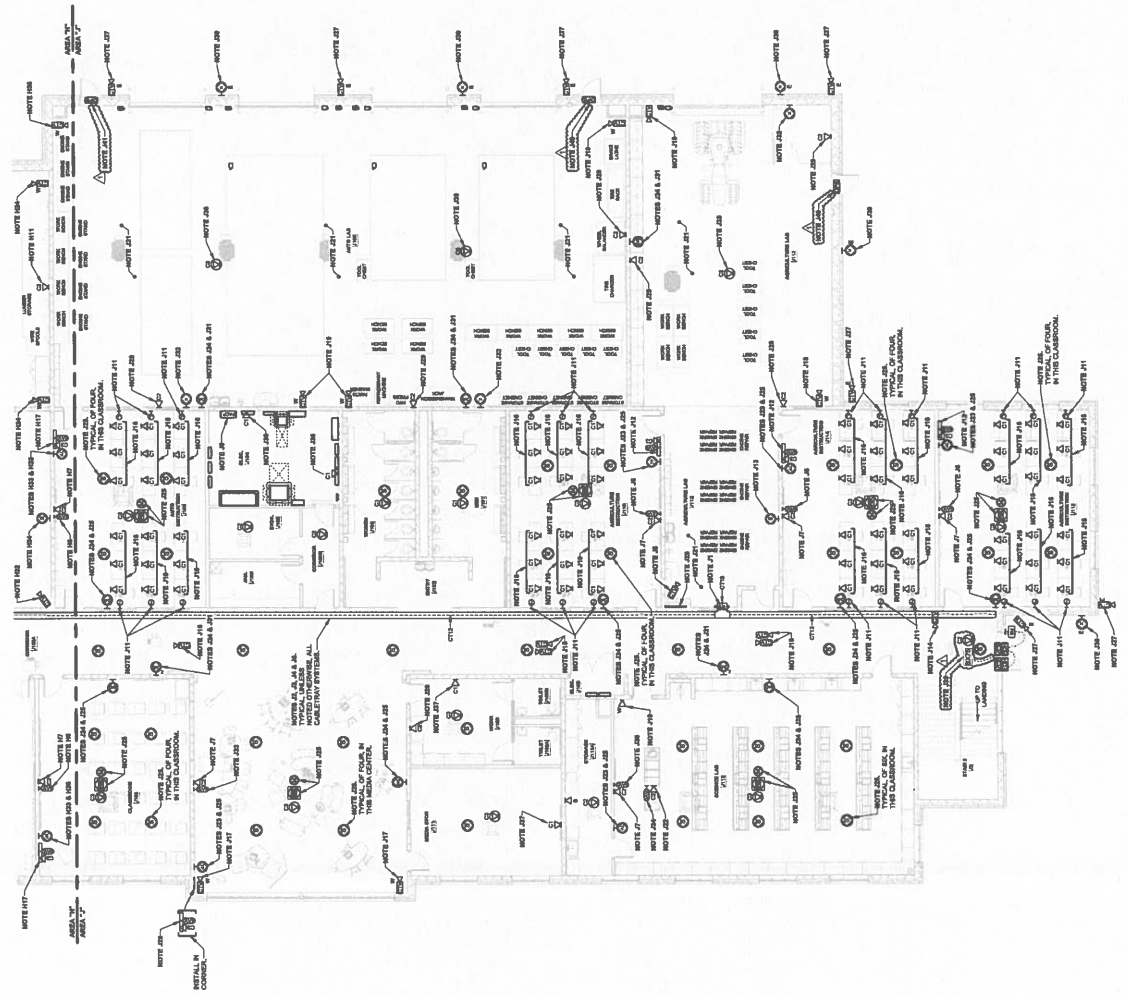
**E3.1H**

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

1. PROVIDE COMPLETE SYSTEMS AND TECH. PLANS TO ALL LOCATIONS WHERE THE SYSTEMS AND TECH. PLANS ARE TO BE INSTALLED. THE SYSTEMS AND TECH. PLANS SHALL BE PROVIDED TO THE OWNER AND TO THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE SYSTEMS AND TECH. PLANS SHALL BE PROVIDED TO THE OWNER AND TO THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE SYSTEMS AND TECH. PLANS SHALL BE PROVIDED TO THE OWNER AND TO THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

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

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

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

1. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO CLASSROOMS AND FROM DATA ROOM TO STUDENT CENTER. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO STUDENT CENTER. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO STUDENT CENTER. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO STUDENT CENTER.

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

2. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO CLASSROOMS AND FROM DATA ROOM TO STUDENT CENTER. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO STUDENT CENTER. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO STUDENT CENTER. APPROXIMATE LOCATION OF VERTICAL CURTAINS FROM DATA ROOM TO STUDENT CENTER.

**HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY**



**CHRISTIAN COUNTY  
PUBLIC SCHOOLS**

118 E. College Street  
Hopkville, KY 40528  
Telephone: 274-683-3000

141 N. Main Street  
Hopkville, KY 40528  
Telephone: 274-683-3000

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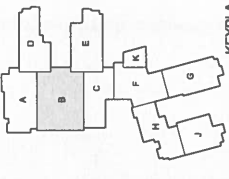
**E3.1J**

Architect's Project No.: 2106-204  
Date: May, 20  
Drawing No.: 2106-204

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







KEY PLAN

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	05/17/20
2	REVISED PER PERMIT COMMENTS	05/17/20

Sheet Title: SYSTEMS & TECHNOLOGY PLAN - SECOND FLOOR - AREA "B"  
Architect's Project No.: 2106-204  
Date: May, 20

E3.2B-AI

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

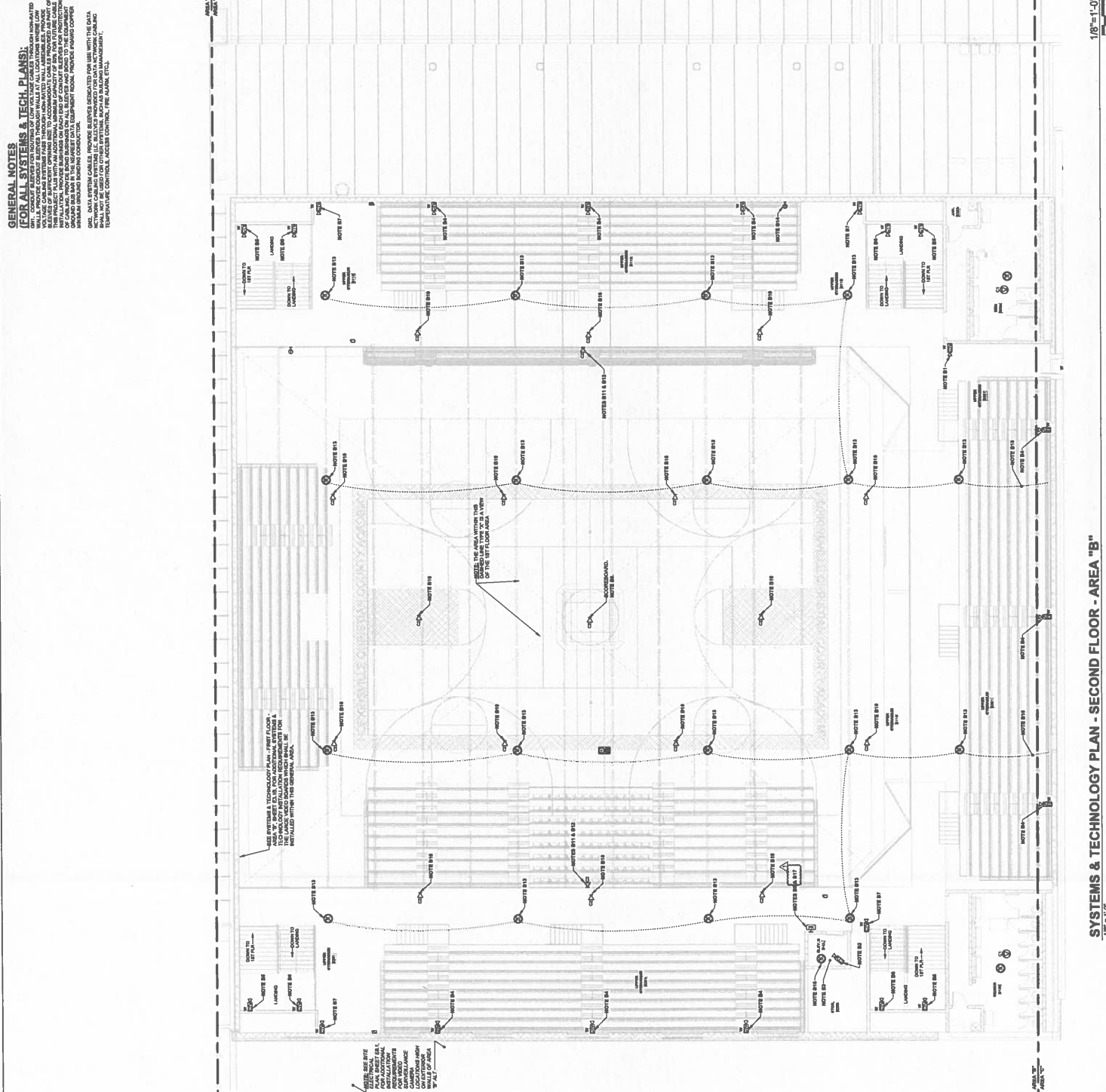
- 1. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 2. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE MANUFACTURER'S INSTRUCTIONS.
- 3. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE MANUFACTURER'S INSTRUCTIONS.
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- 9. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE MANUFACTURER'S INSTRUCTIONS.
- 10. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE MANUFACTURER'S INSTRUCTIONS.

**NOTES SECOND FLOOR SYS. & TECH. PLAN - AREA "B"-AI:**

- 1. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
- 2. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITIONS OF THE MANUFACTURER'S INSTRUCTIONS.
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1/8"=1'-0"

SYSTEMS & TECHNOLOGY PLAN - SECOND FLOOR - AREA "B"



Table with columns for Revision, Description, and Date

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

NOTES (SECOND FLOOR SYS. & TECH. PLAN - AREA 'D') (CONT.)

NOTES (SECOND FLOOR SYS. & TECH. PLAN - AREA 'D') (CONT.)

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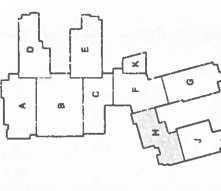
NOTES (SECOND FLOOR SYS. & TECH. PLAN - AREA 'D') (CONT.)











KEYPLAN

Table with columns: Description, Quantity, Unit, Total, Remarks. Includes items like Cable, Conduit, etc.

Sheet Title: SYSTEMS & TECHNOLOGY PLAN - SECOND FLOOR - AREA "H"  
Architect's Project No: 2106-204  
Date: May, 20

E3.2H

GENERAL NOTES

- GENERAL NOTES (FOR ALL SYSTEMS & TECH PLANS): (CONT.)
1. PROVIDE ALL LATTERS...
2. SEE GENERAL NOTES...
3. PROVIDE ALL LATTERS...

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

- 1. PROVIDE ALL LATTERS...
2. SEE GENERAL NOTES...
3. PROVIDE ALL LATTERS...

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

- 1. PROVIDE ALL LATTERS...
2. SEE GENERAL NOTES...
3. PROVIDE ALL LATTERS...

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

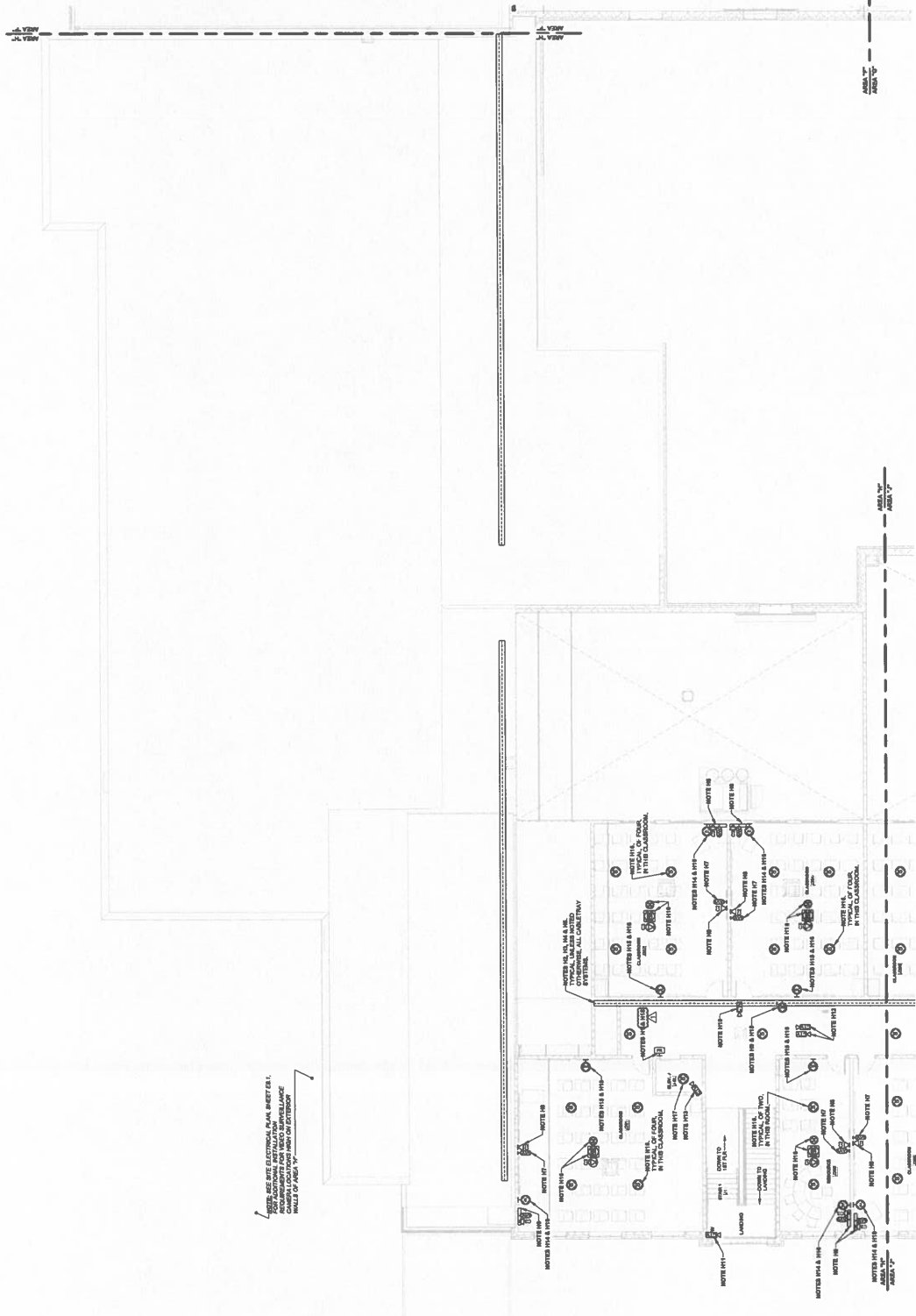
- 1. PROVIDE ALL LATTERS...
2. SEE GENERAL NOTES...
3. PROVIDE ALL LATTERS...

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

- 1. PROVIDE ALL LATTERS...
2. SEE GENERAL NOTES...
3. PROVIDE ALL LATTERS...

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

- 1. PROVIDE ALL LATTERS...
2. SEE GENERAL NOTES...
3. PROVIDE ALL LATTERS...



1/8" = 1'-0"

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

KODE # : BO 22-104

946 FT. CAMPBELL BLVD  
HOPKINSVILLE, KY 22404

**HAFER**  
ARCHITECTS • ENGINEERS • PLANNERS  
1100 S. MAIN ST. SUITE 100  
HOPKINSVILLE, KY 22404  
TEL: 202-221-1118  
WWW.HAFERARCHITECTS.COM

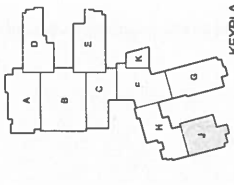
**ALLIANCE**  
118 E. COLLETT STREET  
HOPKINSVILLE, KY 22404  
Telephone: 773-881-1800

**bell**  
COMMUNICATIONS  
157 Farm Drive  
Hopkinsville, KY 22404  
Telephone: 773-886-8400

**K&S Engineering, PLLC**  
141 Highland Drive  
Columbia, TN 37043  
Telephone: 615-461-0464

**WBW CONSULTANTS**  
2000 Center Street  
Hopkinsville, KY 22404  
Telephone: 773-820-5200

**GT**  
GT Design and Engineering Co.  
1000 S. Main Street  
Hopkinsville, KY 22404  
Telephone: 813-427-6827



Revision	By	Date	Description
1	ASB	05/20/20	ISSUED FOR PERMIT
2	ASB	05/20/20	ISSUED FOR PERMIT
3	ASB	05/20/20	ISSUED FOR PERMIT
4	ASB	05/20/20	ISSUED FOR PERMIT
5	ASB	05/20/20	ISSUED FOR PERMIT
6	ASB	05/20/20	ISSUED FOR PERMIT
7	ASB	05/20/20	ISSUED FOR PERMIT
8	ASB	05/20/20	ISSUED FOR PERMIT
9	ASB	05/20/20	ISSUED FOR PERMIT
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Sheet Title:  
**SYSTEMS & TECHNOLOGY PLAN - SECOND FLOOR - AREA J**  
Architect's Project No.: 21065-2004  
Date: May, 20  
Drawing No.: E3.2J

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

- 1. PROVIDE ALL SYSTEMS AND EQUIPMENT TO BE INSTALLED IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THE PROJECT.
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**GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS) (CONT.):**

- 1. PROVIDE ALL SYSTEMS AND EQUIPMENT TO BE INSTALLED IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THE PROJECT.
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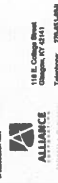
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- 21. PROVIDE ALL SYSTEMS AND EQUIPMENT TO BE INSTALLED IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THE PROJECT.
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- 30. PROVIDE ALL SYSTEMS AND EQUIPMENT TO BE INSTALLED IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THE PROJECT.



1/8" = 1'-0"  
N

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

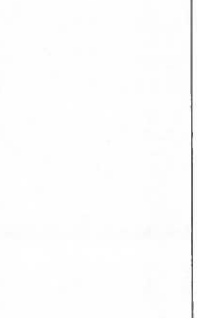
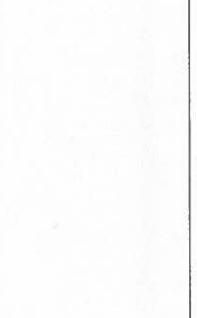
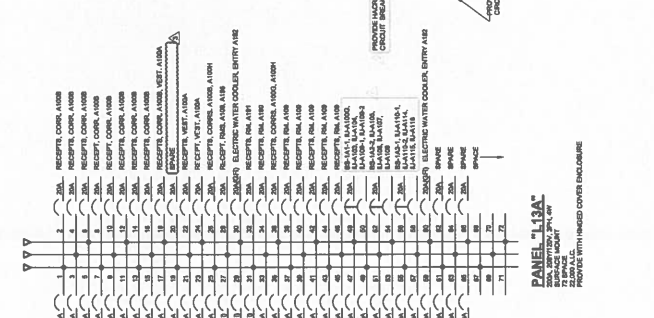
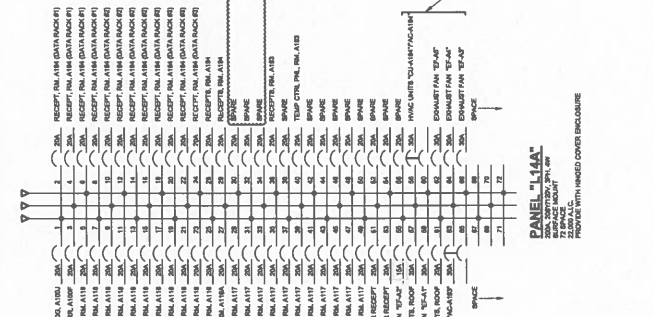
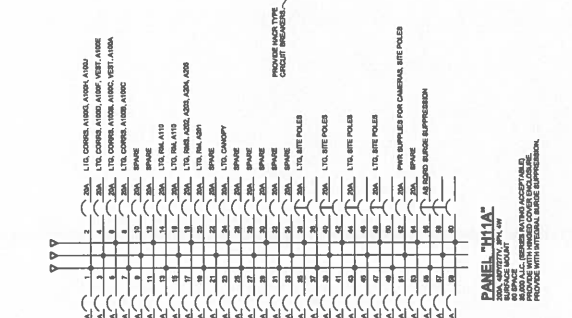
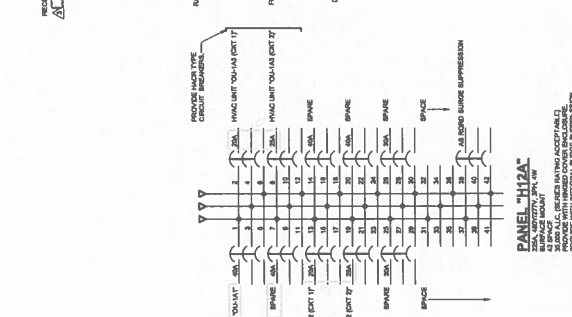
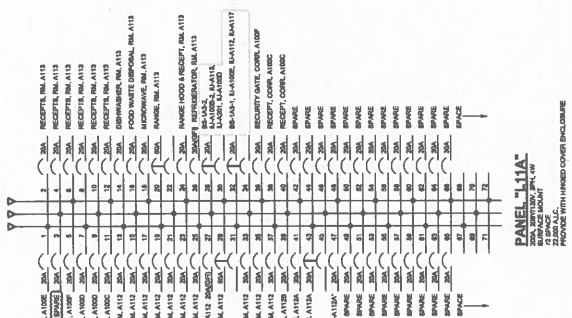
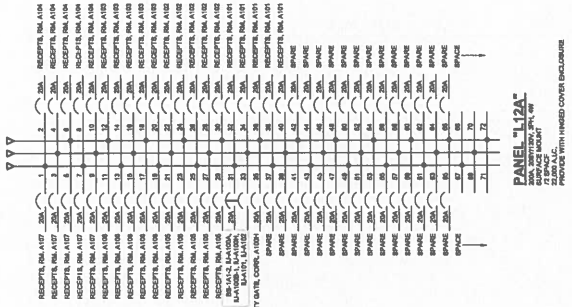


Revisions:	By:	Date:	Checked By:
1	ASB	05/12/20	ASB
2	ASB	05/12/20	ASB
3	ASB	05/12/20	ASB

Sheet Title:  
BUSINESS DIAGRAMS - BLDG  
AREA (1ST FLOOR) -  
NORMAL POWER

Architect's Project No: 21065-204  
Date: May, 20

Drawing No: E6.1



Notes and specifications for the business diagrams, including instructions on cover enclosures and terminal block configurations.





Approved By:	Checked By:	Drawn By:	Created By:
Scale:	Sheet No.:	Project No.:	Date:

Sheet title:  
BUSSING DIAGRAMS - BLDG  
AREA 'C' (1ST FLOOR) -  
NORMAL POWER

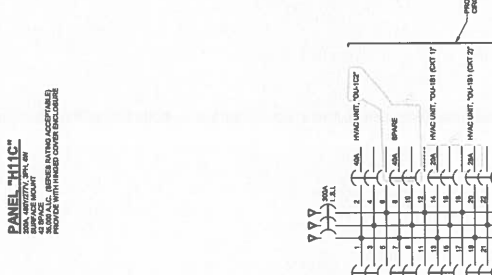
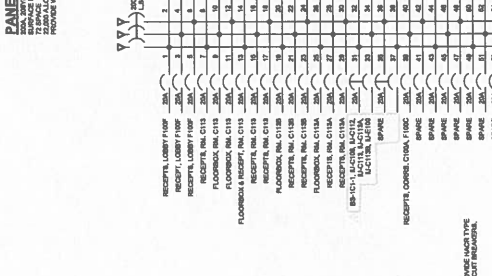
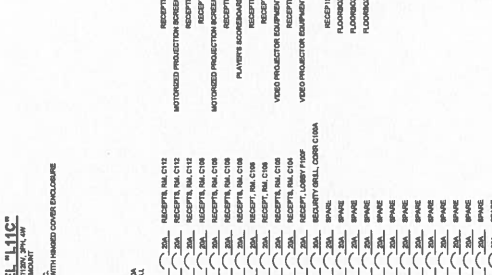
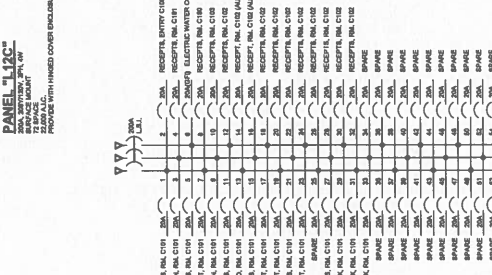
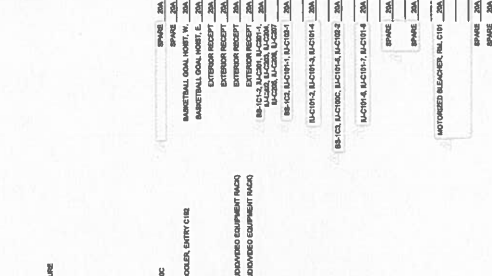
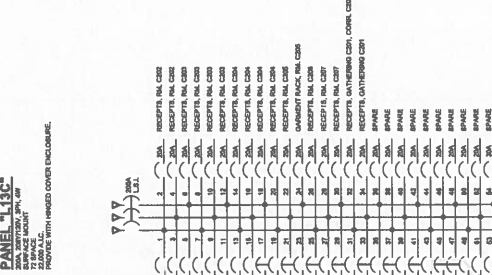
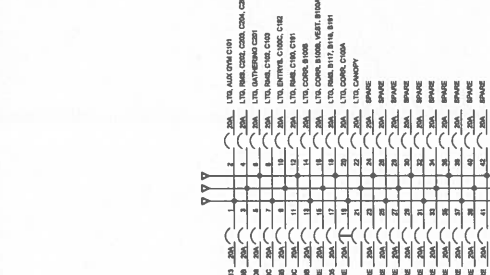
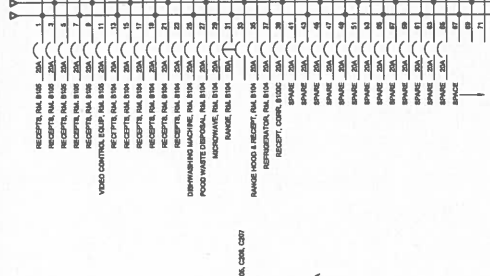
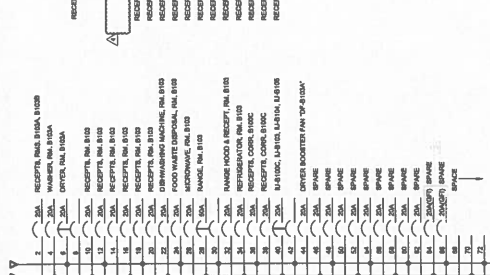
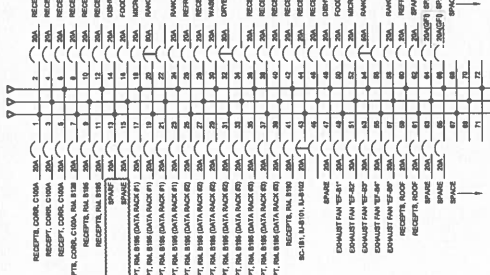
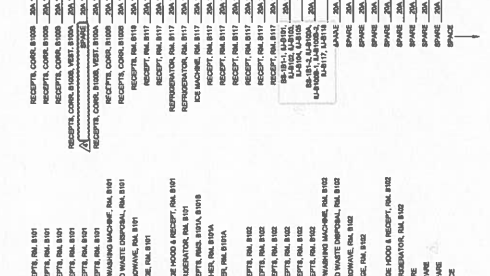
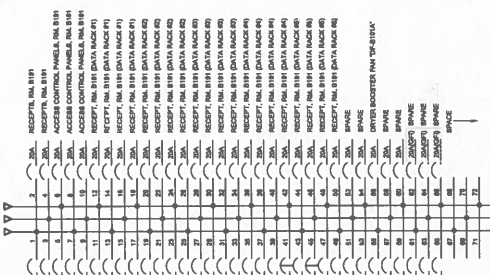
Another's Project No.:

Date: May, 20

2106-204

Drawing No.:

E6.3





KCE # 180 22-104

STATE CONTRACT NO. 20080000000000000000

HAFFNER

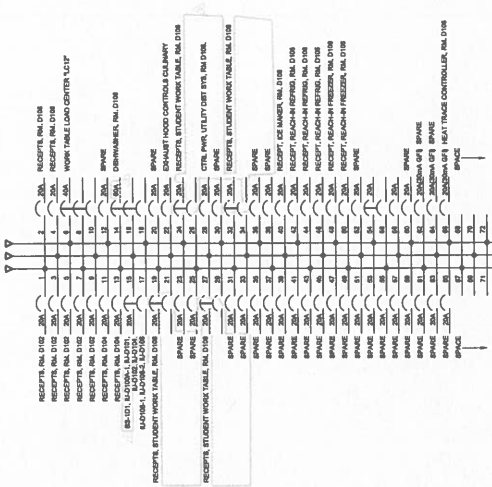


K&S Engineering, PLLC

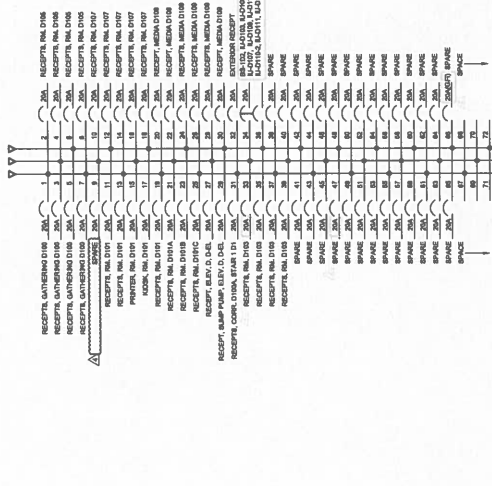


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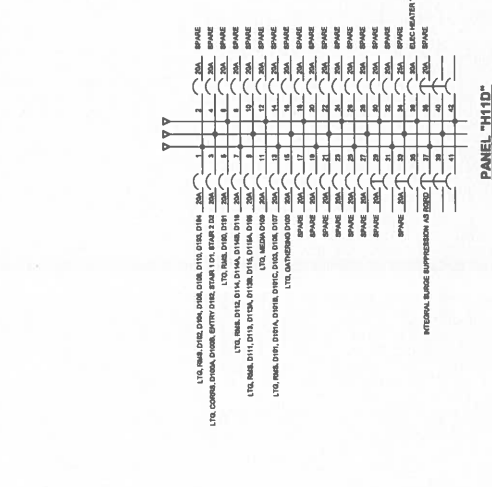
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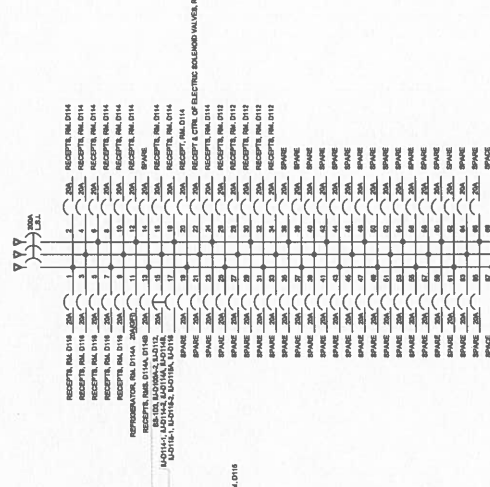
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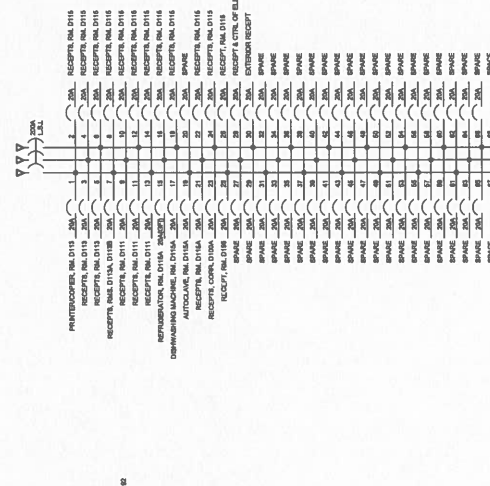
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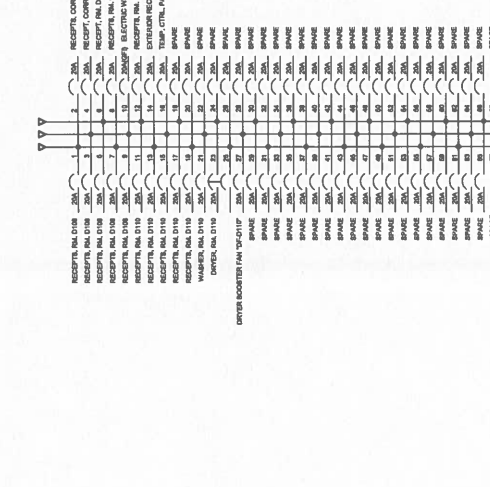
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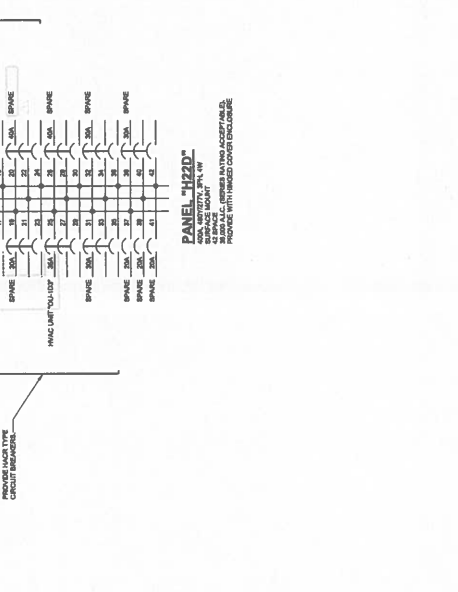
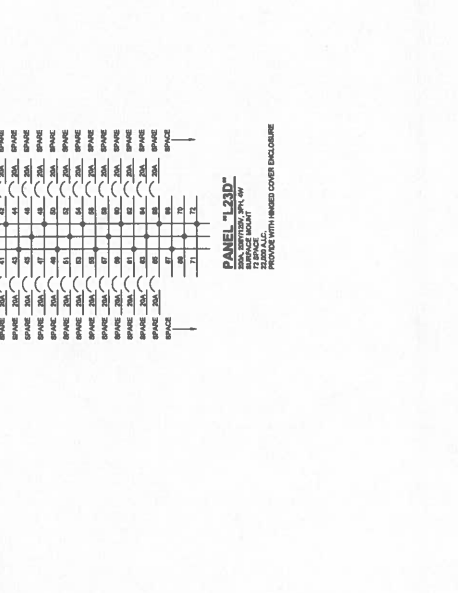
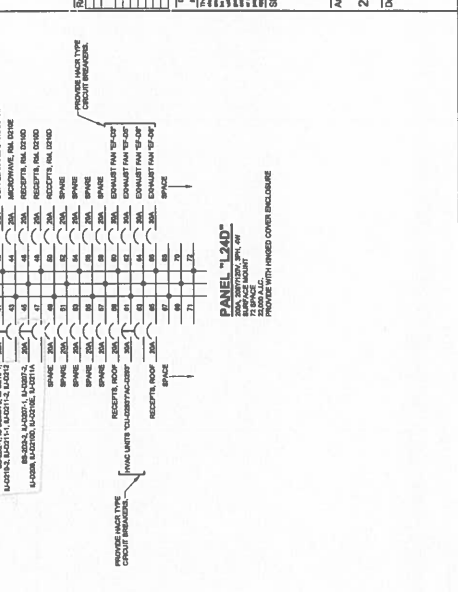
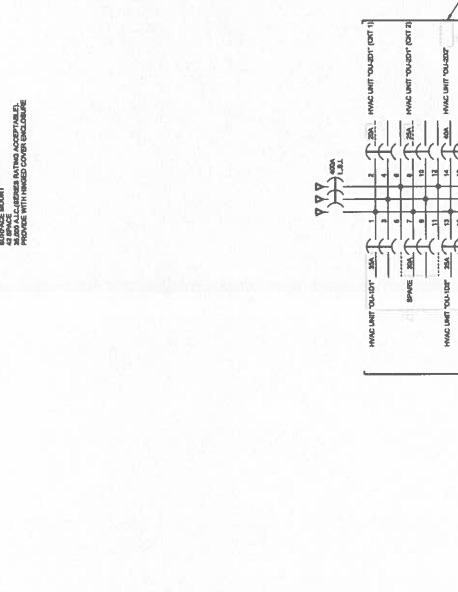
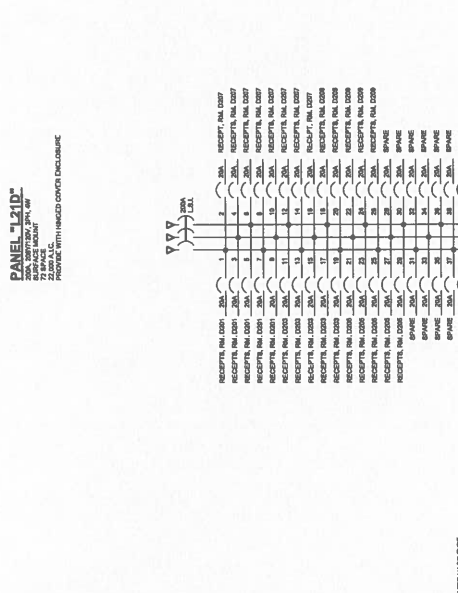
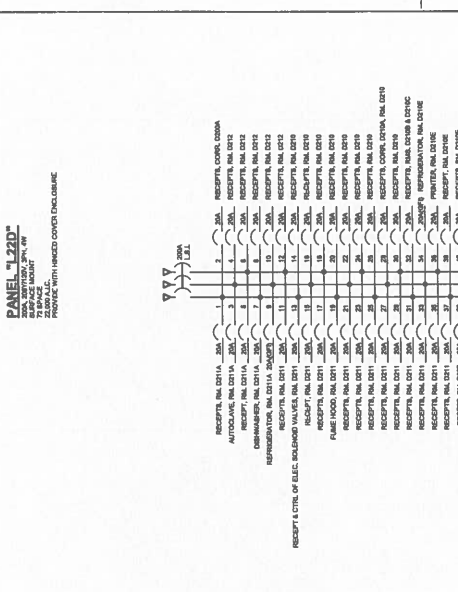
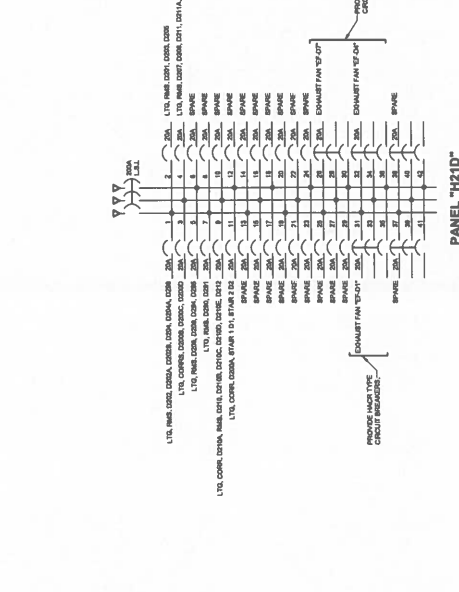
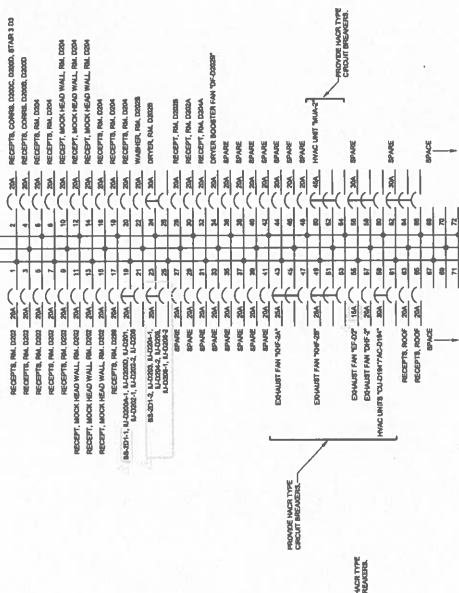
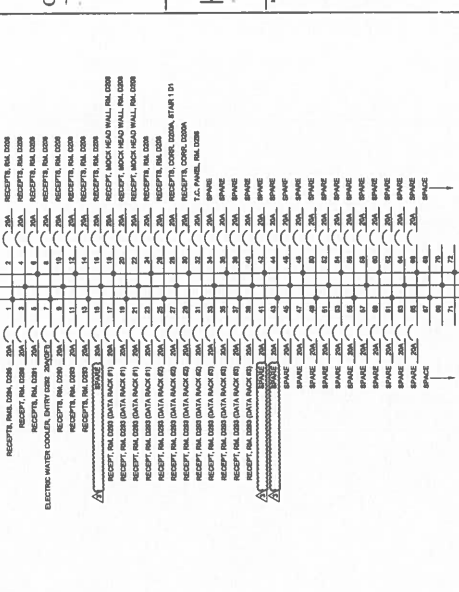


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NOE 9 - 00 22-104  
 500 FT. CAMPBELL BLVD  
 HOPKINSVILLE, KY 42404





NOE # 80-22-104

5180 FT. CARROLL BLVD  
HARTSFORD, KY 42424

**HAFFER**  
ELECTRICAL CONTRACTORS



115 E. Colton Street  
Hartsville, KY 42424  
Telephone: 424-8311

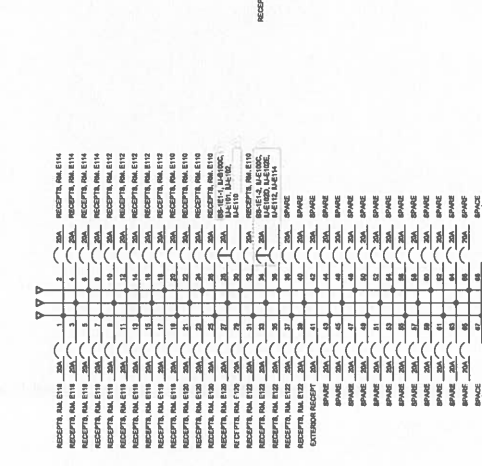
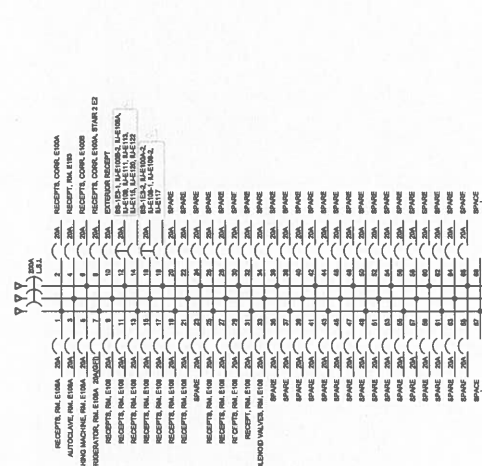
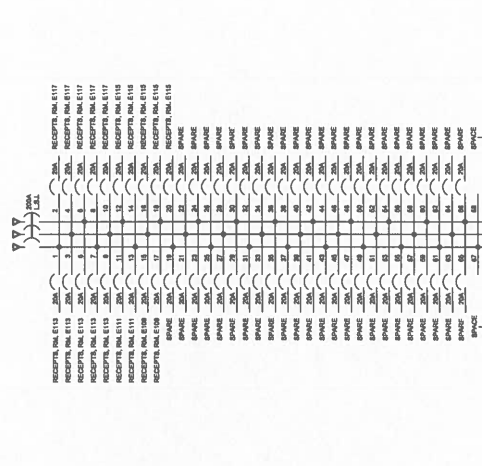
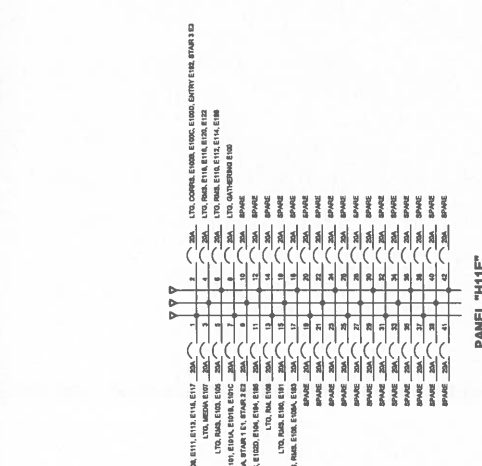
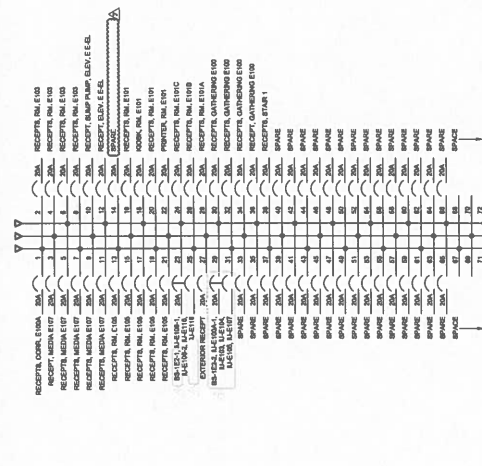
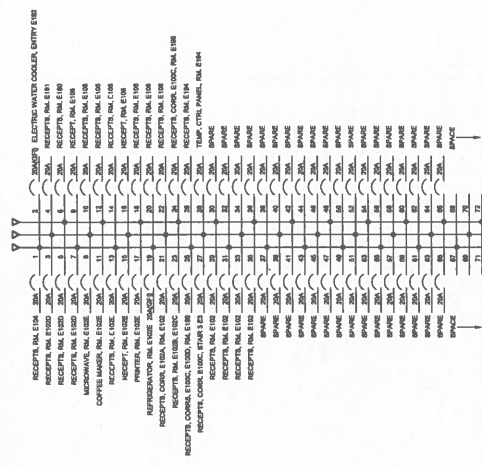
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Hartsville, KY 42424  
Telephone: 424-8808

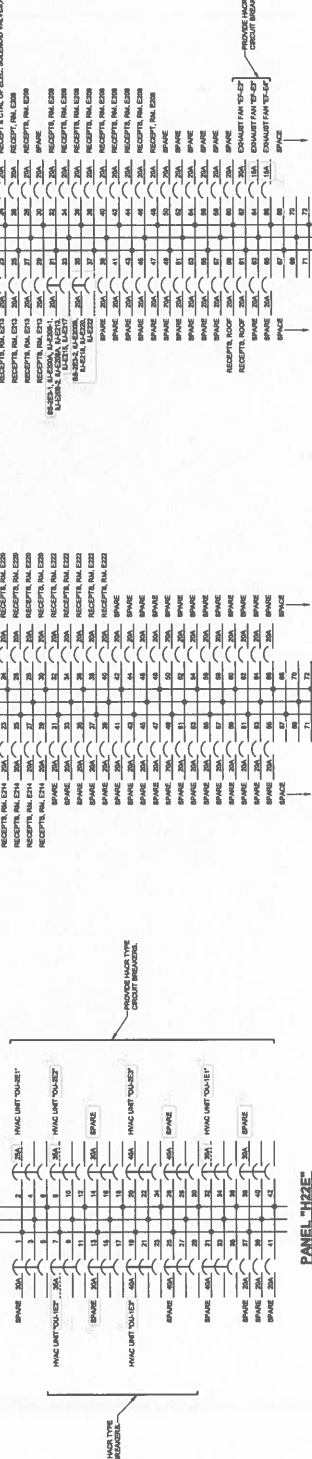
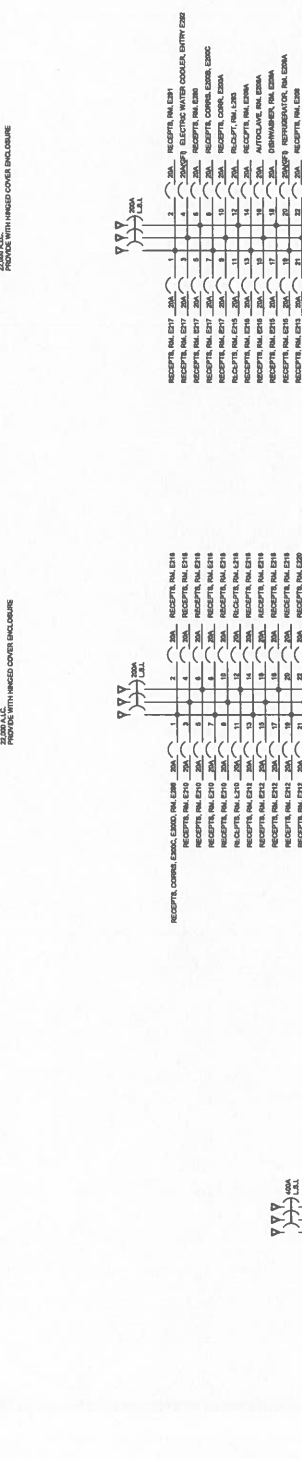
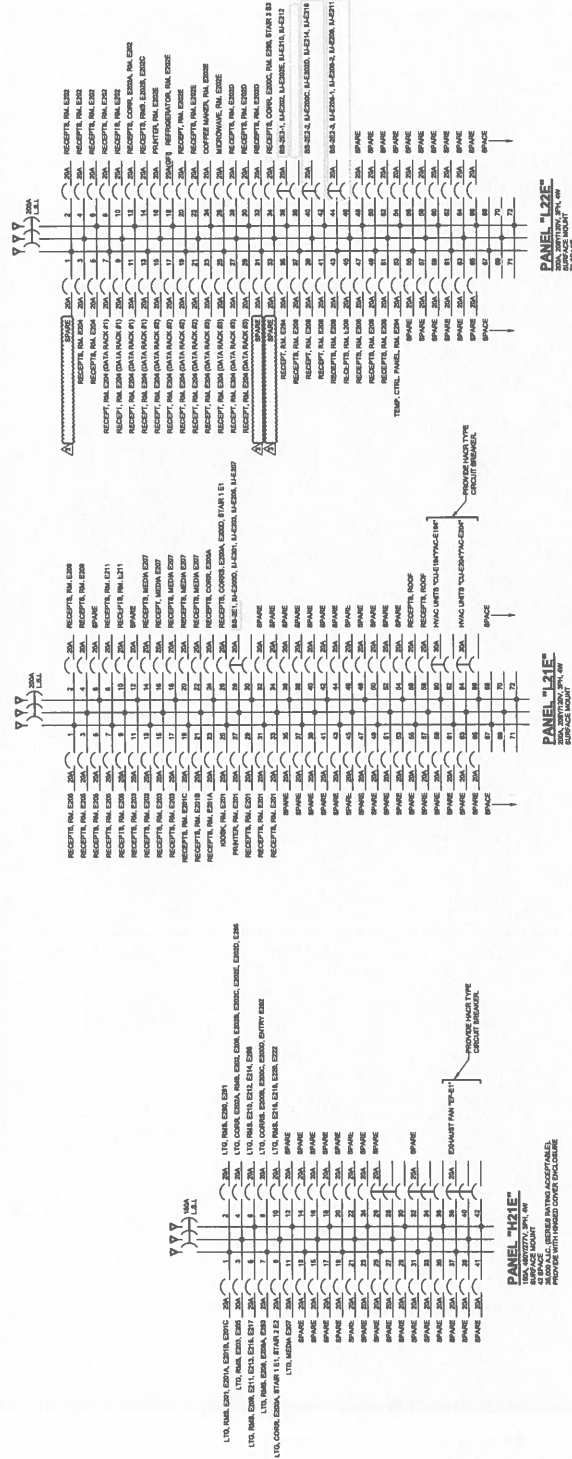
**K&S Engineering PLLC**  
Professional Engineer  
124 Industrial Drive  
Columbia, TN 37603  
Telephone: 833-4474

3008 Carver Blvd  
Hartsville, KY 42424  
Telephone: 424-8342-23

**G.T. Peck and Associates Co.**  
2105 S.W. 5th Street  
Tomball, TX 77375, USA  
Telephone: 832-947-0697

Prepared By:	Checked By:
Designed By:	Drawn By:
Date:	Date:
Scale:	Scale:
Notes: This drawing is to be used only for the project and location specified. No other use, reproduction, or alteration of this drawing without the written consent of the engineer is permitted. The engineer shall not be responsible for any errors or omissions on this drawing or for any consequences arising therefrom. The engineer's liability is limited to the scope of the work specified in the contract. The engineer is not responsible for the construction or maintenance of the work shown on this drawing. The engineer is not responsible for the safety of the work shown on this drawing. The engineer is not responsible for the cost of the work shown on this drawing. The engineer is not responsible for the time of the work shown on this drawing. The engineer is not responsible for the quality of the work shown on this drawing. The engineer is not responsible for the quantity of the work shown on this drawing. The engineer is not responsible for the location of the work shown on this drawing. The engineer is not responsible for the orientation of the work shown on this drawing. The engineer is not responsible for the color of the work shown on this drawing. The engineer is not responsible for the texture of the work shown on this drawing. The engineer is not responsible for the shape of the work shown on this drawing. The engineer is not responsible for the size of the work shown on this drawing. The engineer is not responsible for the weight of the work shown on this drawing. The engineer is not responsible for the volume of the work shown on this drawing. The engineer is not responsible for the area of the work shown on this drawing. The engineer is not responsible for the perimeter of the work shown on this drawing. The engineer is not responsible for the surface of the work shown on this drawing. The engineer is not responsible for the interior of the work shown on this drawing. The engineer is not responsible for the exterior of the work shown on this drawing. The engineer is not responsible for the inside of the work shown on this drawing. The engineer is not responsible for the outside of the work shown on this drawing. The engineer is not responsible for the top of the work shown on this drawing. The engineer is not responsible for the bottom of the work shown on this drawing. The engineer is not responsible for the left of the work shown on this drawing. The engineer is not responsible for the right of the work shown on this drawing. The engineer is not responsible for the front of the work shown on this drawing. The engineer is not responsible for the back of the work shown on this drawing. The engineer is not responsible for the top of the work shown on this drawing. The engineer is not responsible for the bottom of the work shown on this drawing. The engineer is not responsible for the left of the work shown on this drawing. The engineer is not responsible for the right of the work shown on this drawing. The engineer is not responsible for the front of the work shown on this drawing. The engineer is not responsible for the back of the work shown on this drawing.	





NOE # : 100 22-104

5160 FT. CHAMBERLAIN BLVD  
INDIANAPOLIS, IN 46240



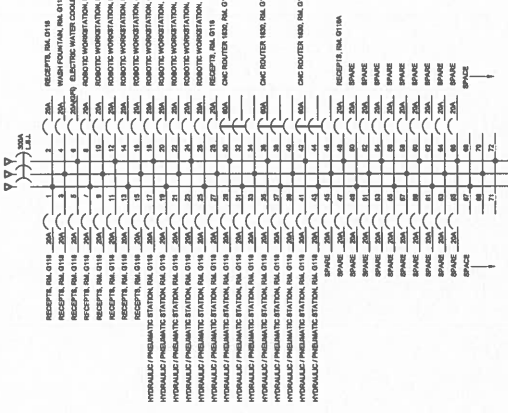
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Indianapolis, IN 46202  
Tel: 317.221.4000

bell  
107 Parkside Drive  
Indianapolis, IN 46240  
Tel: 317.221.1919

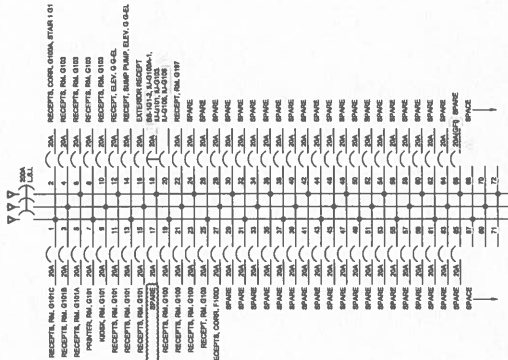
KS Engineering PLLC  
134 Highland Drive  
Carmel, IN 46032  
Tel: 317.847.9640

WBW  
2008 Campus Blvd  
Indianapolis, IN 46253  
Tel: 317.880.2929

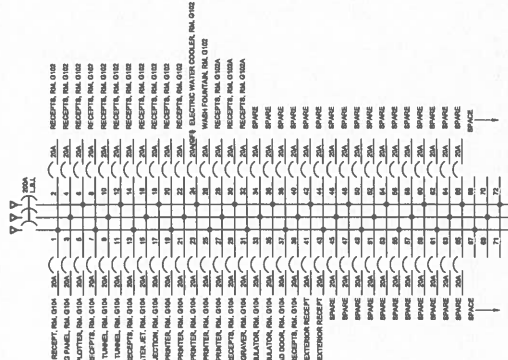
537 Design and Equipment Co.  
1101 E. 38th St., Suite 1  
Columbus, IN 47223  
Tel: 812.421.9027



**PANEL "L179"**  
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18 SPACES  
PROVIDE WITH THINDED COVER ENCLOSURE



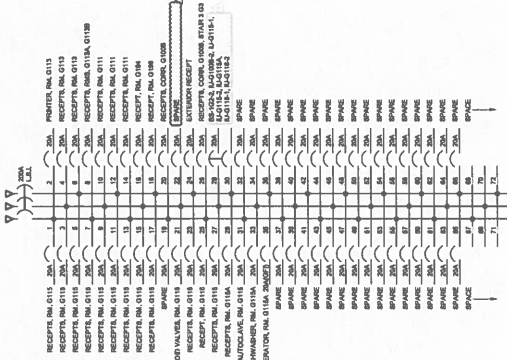
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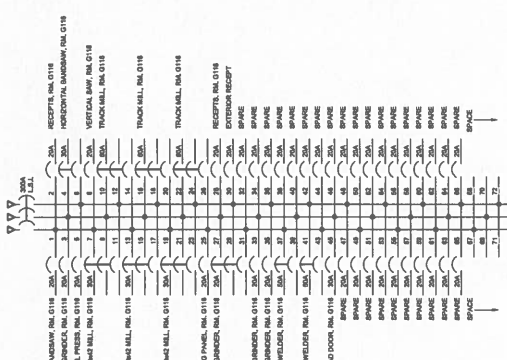
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200A, 480V/208V, 3PH, 4W, 3T  
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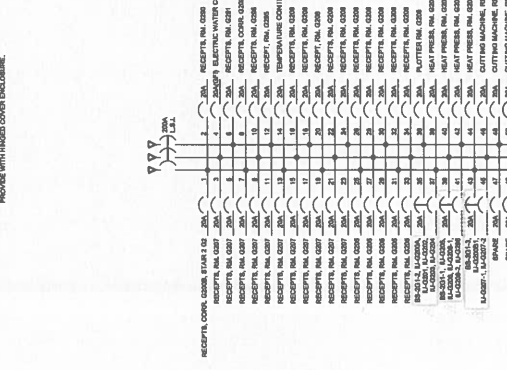
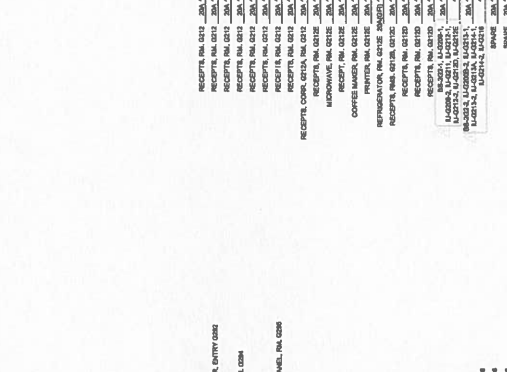
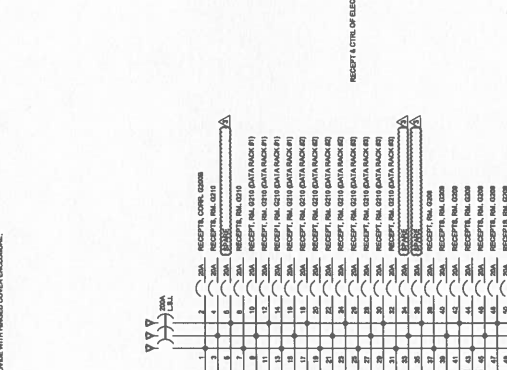
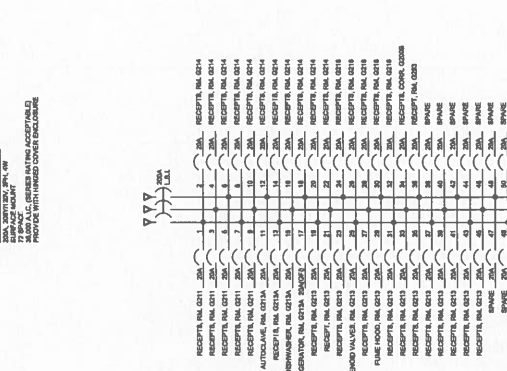
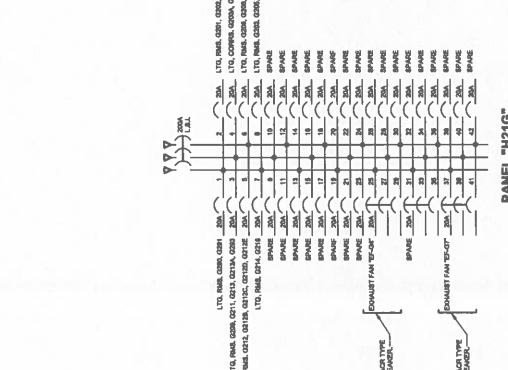
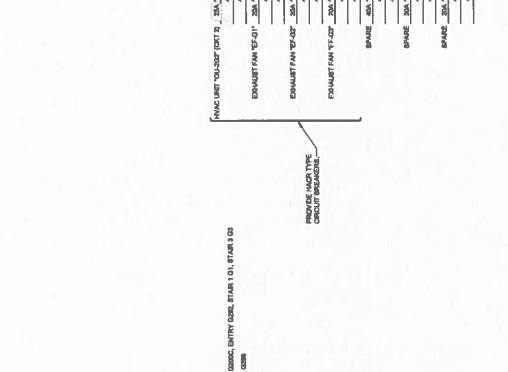
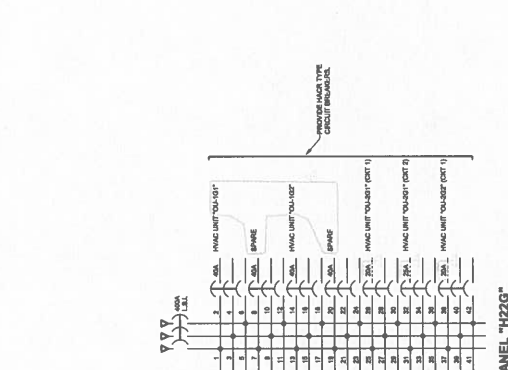
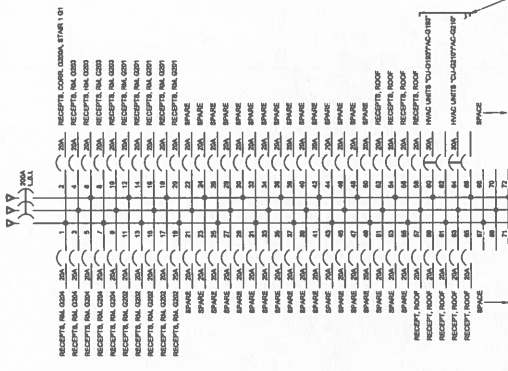
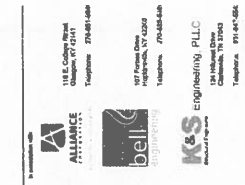
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18 SPACES  
PROVIDE WITH THINDED COVER ENCLOSURE



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200A, 480V/208V, 3PH, 4W, 3T  
18 SPACES  
18 SPACES  
PROVIDE WITH THINDED COVER ENCLOSURE

Rev.	Description	By	Check'd By	Date
1	AS BUILT			
2				
3				

Sheet title:  
**BUSING DIAGRAMS - BLDG  
AREA 'G' (1ST FLOOR) -  
NORMAL POWER CONT.**  
Architect's Project No.:  
Date:  
Designer: KS  
Checked By: KS  
Date: 05/20/20

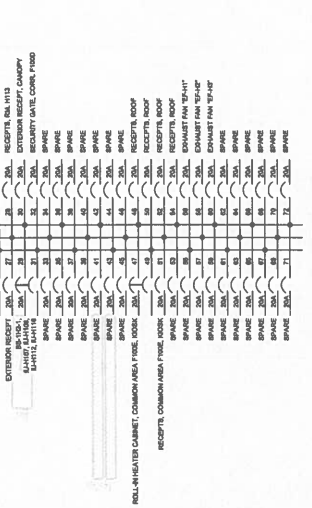
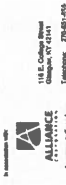


REVISIONS:  
NO. DATE BY  
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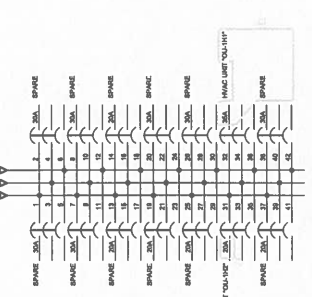


NOE 9 - 80-20-104

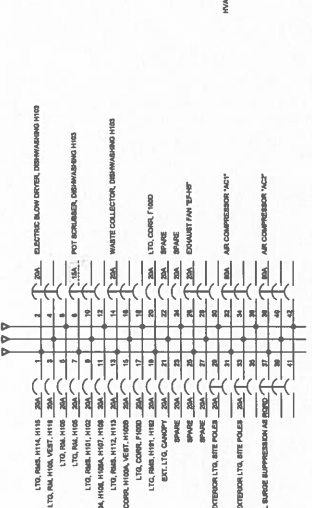
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HOPKINSVILLE, TN 37426



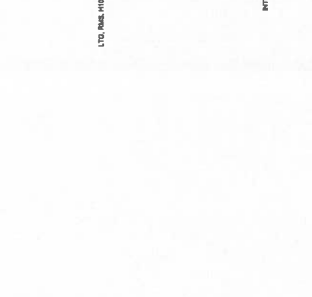
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8 SPACE MOUNT  
PROVIDE WITH HINGED COVER ENCLOSURE



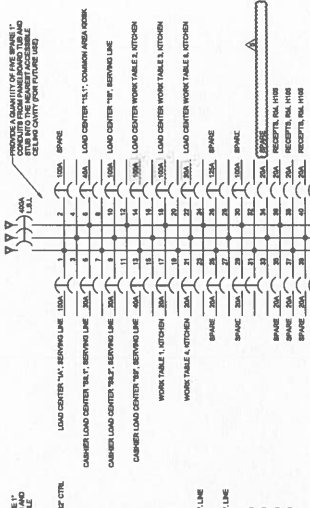
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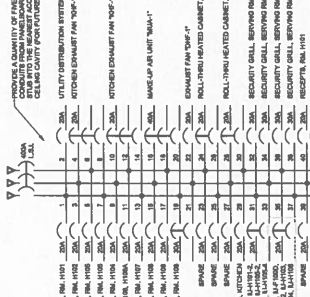
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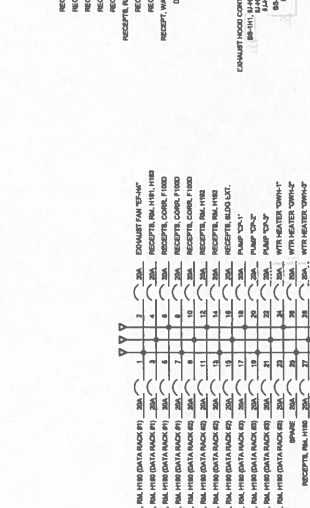
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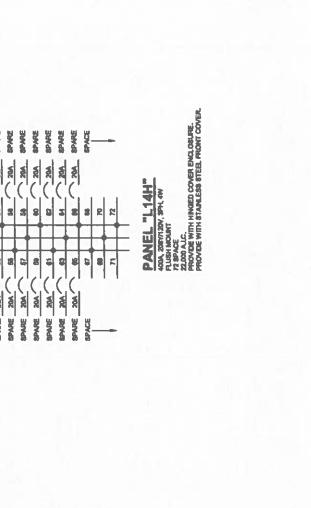
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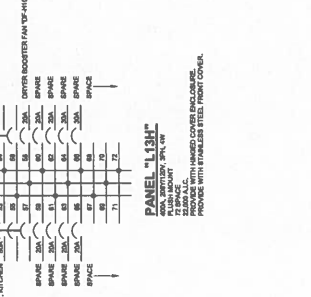
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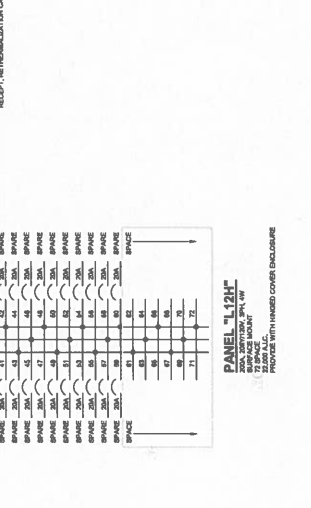
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PROVIDE WITH HINGED COVER ENCLOSURE



PANEL "119H"  
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8 SPACE MOUNT  
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL "120H"  
30A, 200V, 1P, 4W  
8 SPACE MOUNT  
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL "121H"  
30A, 200V, 1P, 4W  
8 SPACE MOUNT  
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL "122H"  
30A, 200V, 1P, 4W  
8 SPACE MOUNT  
PROVIDE WITH HINGED COVER ENCLOSURE





POE # 19-22-104

800 FT. OVERHEAD BUS  
HARRISVILLE, KY 42420

HAFEN  
1111 S. 10th Street,  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219  
www.hafen.com

ALLIANCE  
118 E. Cherry Street  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219

bell  
1000 Poplar Drive  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219

K&S Engineering P.C.  
200 Poplar Drive  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219

WBW  
3000 Owensby Dr  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219

OSI  
1000 Poplar Drive  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219

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Harrisville, KY 42420  
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Fax: 502-333-1219

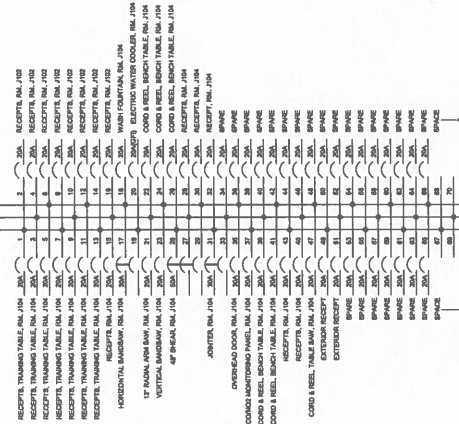
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Harrisville, KY 42420  
Tel: 502-333-1218  
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1000 Poplar Drive  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219

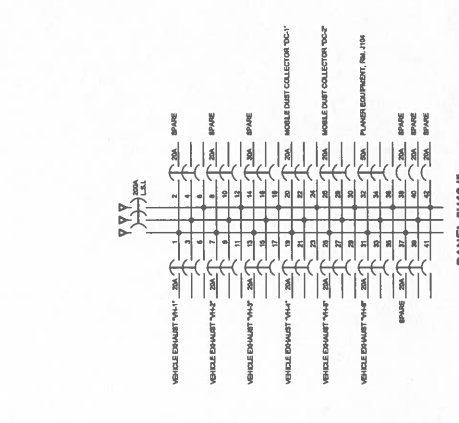
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1000 Poplar Drive  
Harrisville, KY 42420  
Tel: 502-333-1218  
Fax: 502-333-1219



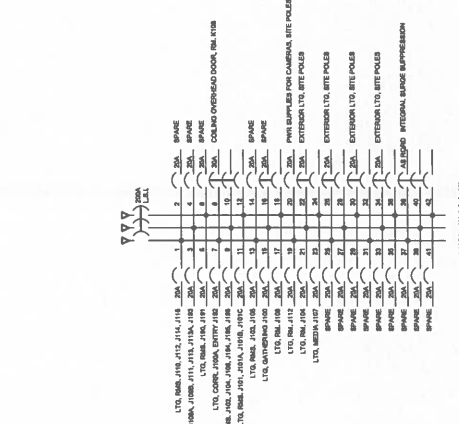
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72 SPACE  
23.000 A.L.C.  
PROVIDE WITH HINGED COVER ENCLOSURE



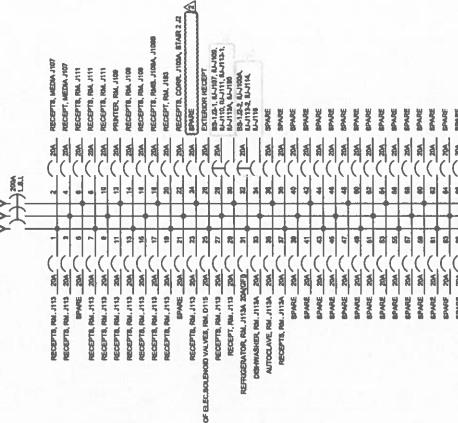
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BUS BAR  
72 SPACE  
23.000 A.L.C.  
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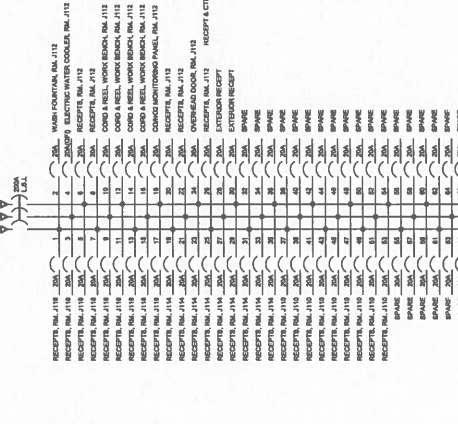
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BUS BAR  
72 SPACE  
23.000 A.L.C.  
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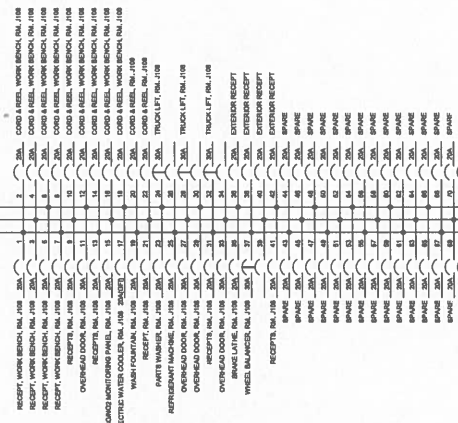
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72 SPACE  
23.000 A.L.C.  
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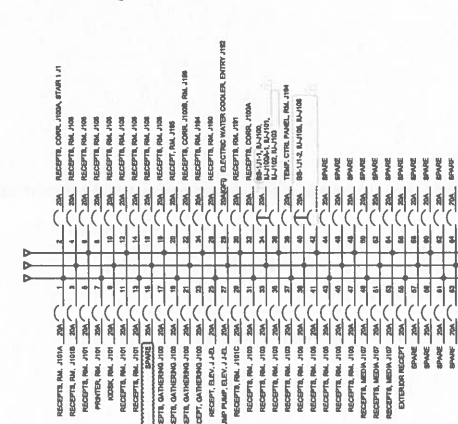
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BUS BAR  
72 SPACE  
23.000 A.L.C.  
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL 1116  
BUS BAR  
72 SPACE  
23.000 A.L.C.  
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL 1117  
BUS BAR  
72 SPACE  
23.000 A.L.C.  
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL 1118  
BUS BAR  
72 SPACE  
23.000 A.L.C.  
PROVIDE WITH HINGED COVER ENCLOSURE







NOE # : 80-22-104

9186 FT. CAMPBELL BLVD  
HOPKINSVILLE, TN 38401



1111 1/2 Ave. South  
Hopkinsville, TN 38401  
Tel: 931-207-1139  
www.hafers.com



1111 E. Chicago Street  
Hopkinsville, TN 38401  
Telephone: 731-831-1546



152 N. Main Street  
Hopkinsville, TN 38401  
Telephone: 731-838-8468



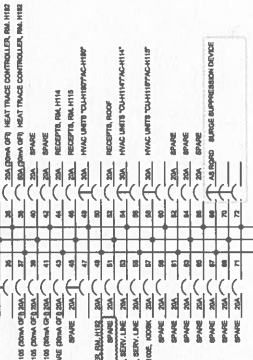
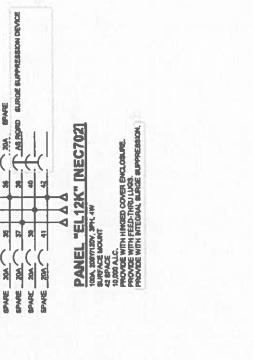
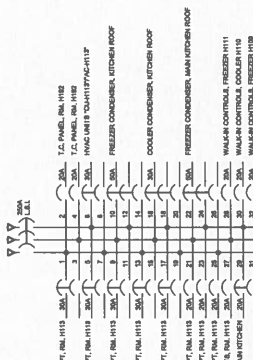
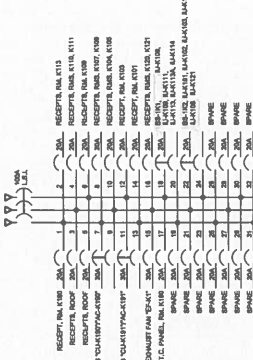
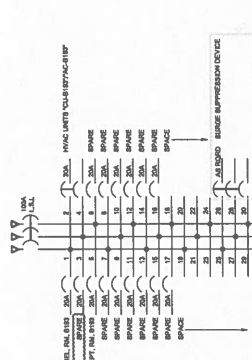
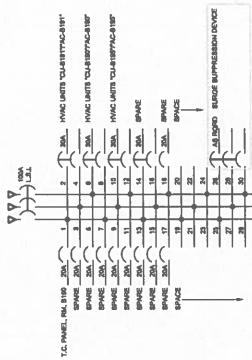
1215 Highway 200  
Columbia, TN 38401  
Telephone: 731-241-1204



1000 Centre Street  
Hopkinsville, TN 38401  
Telephone: 731-838-2020



2100 Highway 40  
Hopkinsville, TN 38401  
Telephone: 731-241-0917





**Christian County High School  
PROPOSAL REQUEST PRICING SHEET  
ALLIANCE JOB #22-033**

PROPOSED CHANGE REQUEST NO. 24 DATE 11/20/2024

DESCRIPTION Credit for Access Control

CONTRACTOR \_\_\_\_\_ BID PKG. \_\_\_\_\_

WORK DESCRIPTION Breakout sent seperately

**A. UNIT PRICING FROM FORM OF PROPOSAL**

1. UNIT PRICING	_____ QTY.	_____ U.P.	\$ _____ -	TOTAL COST
2. UNIT PRICING	_____ QTY.	_____ U.P.	\$ _____ -	TOTAL COST
3. UNIT PRICING	_____ QTY.	_____ U.P.	\$ _____ -	TOTAL COST

**B. MATERIAL**

1. <u>Material total</u>	ITEM	_____ QTY.	_____ UNIT	<u>(\$162,171.00)</u>
2. _____	ITEM	_____ QTY.	_____ UNIT	\$ _____ -
3. _____	ITEM	_____ QTY.	_____ UNIT	\$ _____ -

**MATERIAL TOTAL** \$ (162,171.00)

**LABOR**

1. <u>Labor total</u>	_____	<u>(\$35,168)</u>
2. _____	HOURS @ _____	\$/HR \$ _____ -
3. _____	HOURS @ _____	\$/HR \$ _____ -

**LABOR TOTAL** \$ (35,168.00)

**EQUIPMENT**

**EQUIPMENT TOTAL** \$ \_\_\_\_\_ -

MATERIAL, LABOR & EQUIPMENT SUBTOTAL	\$ <u>(197,339.00)</u>
15% OVERHEAD/PROFIT MARK-UP	\$ _____ -
DEDUCT DPO (DIRECT PURCHASE ORDER) MATERIAL	\$ _____ -
TOTAL ADD/DEDUCT	\$ <u>(197,339.00)</u>

**NOTE: CONTRACTORS ARE TO USE UNIT PRICES WHERE APPLICABLE.**



ATLAS COMPANIES

PCCO #006

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 #006: CE #022 - PR 24

Table with contract details: TO: Alliance Corporation, Glasgow, Kentucky; DATE CREATED: 11/21/2024; ATLAS PM: Carrie Craig; REQUEST RECEIVED FROM: ; REVISION: 0; REFERENCE: ; CHANGE REASON: Change Order; FIELD CHANGE: No; CONTRACT FOR: KY-23-11302:Hopkinsville-Christian Co Acad; SCHEDULE IMPACT: ; TOTAL AMOUNT: (\$197,339.00)

DESCRIPTION:
CE #022 - PR 24

- Delete Locksets where Salto is indicated to provide locksets. (\$92,943.00)
Delete Exit Trim where Salto is indicated to provide exit trim (\$17,231.00)
Delete installation costs of Salto provided hardware sets. (\$5,475.00)
Delete Exit Trim on select rooms with multiple doors (science rooms, business classrooms, CTE Spaces. le #20a) where second door is required for egress (these are not access control doors); prep. For potential future installation. included in credit for exit trim
Delete Access Control System (\$143,885.00)
Delete any REX & Power Supplies (\$1,671.00)
Delete dogging function from any exit devices (\$2,820.00)
Keep Door Position Switches in price. This adds back \$2,987.00 to the change order sent previously.
Delete provide and install cores and cylinders for all doors. (\$9,600.00)
Delete installation of exit devices (Atlas will only provide the exit device to Salto partner for installation) (\$1,188.00)

ADD for loss of discounts - \$74,487.00

Material credit - (\$162,171.00)
Labor credit - (\$35,168.00)

TOTAL (\$197,339.00)

ATTACHMENTS:

CHANGE ORDER LINE ITEMS:

PCCO #006

Table with 5 columns: #, SubJob, Cost Code, Description, Type, Amount. Rows include line items 1 and 2, Subtotal, and Grand Total.

The original (Contract Sum) \$362,000.00
Net change by previously authorized Change Orders (\$1,860.47)
The contract sum prior to this Change Order was \$360,139.53
The contract sum would be changed by this Change Order in the amount of (\$197,339.00)
The new contract sum including this Change Order will be \$162,800.53
The contract time will not be changed by this Change Order.

<input type="checkbox"/> <i>Change Order Approved - No official paperwork required</i>
<input type="checkbox"/> <i>Change Order Approved - Official paperwork to follow</i>

**Alliance Corporation**

Glasgow, Kentucky

\_\_\_\_\_  
**SIGNATURE**

\_\_\_\_\_  
**DATE**



# FACPAC Contract Change Order Supplemental Information Form (Ref# 61459)

Form Status: Saved

Tier 1 Project: Consolidated High School

BG Number: 22-104

Status: Active

District: Christian County (HB678) (115)

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	4
Time Extension Required	No
Date Of Change Order	12/12/2024
Change Order Amount To Date	Decrease

## Construction Contingency

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

Current Approved Amount	\$6,320,436.60
Net Approved COs	\$365,699.78
Remaining After Approved COs	\$5,954,736.82
Net All COs	\$220,032.27
Remaining After All COs	\$6,100,404.33

This Requested Change Order Amount (\$197,339.00)

+/-

Change In A/E Fee This Change Order

+/-

Change In CM Fee This Change Order \$0.00

+/-

Remaining Construction Contingency \$6,100,404.33

Balance

Contract Change Requested By Construction Manager

Contract Change Reason Code Reduction of Scope

Change Order Description And Justification

Credit for access control per PR #24.

Cost Benefit To Owner

This will result in a cost savings to the owner.

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

change order.

## Detailed Cost Breakdown

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

---

<b>Detail Item</b>	<b>Amount</b>	<b>Percent of Total</b>
Labor	(\$35,168.00)	17.82%
Materials	(\$162,171.00)	82.18%
Profit and Overhead		0.00%
Bond Insurance		0.00%
<b>Cost Breakdown Total:</b>	<b>\$-197,339.00</b>	

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# 61459)**

Architect

Date

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date