

**Addendum No. 1**  
**February 17, 2025**

Project: Lincoln High School Auditorium Renovation  
Sioux Falls, South Dakota  
Project #3021

Architect: Architecture Incorporated

Letting: **2:00 p.m. (prevailing local time)**  
**Tuesday, March 4, 2025**  
Central Services Center  
1101 N. Western Avenue  
Sioux Falls, South Dakota

**Pre-Bid Meeting:** A prebid meeting is scheduled for **Thursday, February 20, 2025 at 4:00 pm** at the existing Lincoln High School facility. Interested Bidders shall meet at the Administration front main entrance. The prebid meeting is not mandatory however, all Bidders are strongly encouraged to attend.

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

**GENERAL ITEMS:**

- 1) SPECIFICATION SECTION 042000 – UNIT MASONRY
  - a) Burnished Concrete Block Sealer:, 2.3.C.7 and 3.12.F.3: Omit reference to factory-sealed burnished CMU. Burnished concrete block does not require a factory applied sealer. Burnished concrete block will have one coat of field applied sealer as specified.
  
- 2) SPECIFICATION SECTION 087100 – DOOR HARDWARE
  - a) Replace Specification Section 087100 – Door Hardware with attached correct specification section 087100.
  
- 3) SHEET QT1.01 – THEATRICAL LIGHTING PLAN, AUDITORIUM LEVEL 1
  - a. Revise plan "LEVEL 01 - THEATRICAL LIGHTING PLAN" per attached sheet.
    1. Revise HL device layout in all sound and light locks.
    2. Revise floor pocket devices on stage to power only.
    3. Delete device ET-10
    4. Replace devices ET-09, ET-11, ET-12, and ET-13 to be wall mounted devices. See plan for details.

4) SHEET QT1.02 – THEATRICAL LIGHTING PLAN, LITTLE THEATRE LEVEL 1

- b. Revise HL device layouts in sound and light locks for the Little Theatre.

5) SHEET QT5.01 – THEATRICAL WIRING DEVICE DETAILS & SCHEDULE

- c. Revise detail 9, FLOOR T1 FACEPLACE
- d. Add detail 5, FLOOR T2 FACEPLATE
- e. THEATRICAL WIRING DEVICE SCHEDULE
  - 1. Revise devices WD09 - WD12 details and descriptions per attached sheet.
- f. THEATRICAL ELECTRICAL EQUIPMENT SCHEDULE
  - 1. Revise device location per attached sheet.

6) SHEET QT5.03– THEATRICAL CONTROL DEVICE DETAILS & SCHEDULE

- g. Revise detail names for details 1, 7, 8, and 11.
- h. Add detail 3 – HL TYPE H2
- i. THEATRICAL CONTROL DEVICE SCHEDULE
  - 1. Delete device ET-10
  - 2. Revise devices ET-09, ET-11, ET-12, and ET-13 to be wall mounted devices. See plan for details.
- j. THEATRICAL HOUSE LIGHT CONTROL STATION SCHEDULE
  - 1. Revise schedule per attached sheet.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the drawings and specifications.

| <u>SECTION</u> | <u>ITEM</u>                       | <u>MANUFACTURER</u> |
|----------------|-----------------------------------|---------------------|
| 116113         | Networked Lighting Control System | Norcostco           |
| 116119         | Stage Lighting Fixtures           | Norcostco           |
| 116123         | Drapery and Track                 | Norcostco           |
| 116133         | Motorized Rigging                 | Norcostco           |
| 116136         | Counterweight Rigging             | Norcostco           |
| 116137         | Fixed Lighting Positions          | Norcostco           |

**ELECTRICAL ITEMS:**

- 1) SHEET 9.10 – OVERALL FLOOR PLAN – ELECTRICAL
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 2) SHEET 9.21 – FIRST FLOOR DEMOLITION PLAN – ELECTRICAL
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 3) SHEET 9.22 – UPPER DEMOLITION FLOOR PLANS – ELECTRICAL
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 4) SHEET 9.30 – FIRST FLOOR PLAN – LIGHTING
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 5) SHEET 9.31 – FIRST FLOOR PLAN – POWER & SIGNAL
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 6) SHEET 9.32 – UPPER FLOOR PLAN – LIGHTING
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 7) SHEET 9.33 – UPPER FLOOR PLAN – POWER & SIGNAL
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.
- 8) SHEET 9.40 – ELECTRICAL SYMBOLS AND ABBREVIATIONS
  - a) Reference the attached drawing sheet, revision dated 2-17-25, for miscellaneous modifications.

**ELECTRICAL APPROVALS:**

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the drawings and specifications.

| <u>SECTION</u> | <u>ITEM</u>                                | <u>MANUFACTURER</u> |
|----------------|--|---------------------|
| 265119         | LED Lighting                               |                     |
|                | Type TA                                    | New Star            |
|                | Type TB                                    | Lumux               |
| 274116         | Integrated Audiovisual Systems & Equipment | Muska Companies     |

END OF ADDENDUM

## SECTION 087100 - DOOR HARDWARE

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. This Section includes the following:
  - 1. Commercial door hardware for the following:
    - a. Swinging doors.
    - b. Other doors to the extent indicated.
  - 2. Door security system by Owner.
- B. Related Sections include the following:
  - 1. Division 8 Section "Steel Doors and Frames" [**for door silencers provided as part of hollow-metal frames**].
  - 2. Division 8 Section "Steel Doors and Frames" [**for door hardware provided as part of ICC 500-2014/UL-classified tornado-resistant hollow-metal assemblies**].
  - 3. Division 8 Section "Flush Wood Doors" for [**integral intrumescent seals**] provided as part of fire-rated labeled assemblies.

## 1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Other Action Submittals:
  - 1. Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
    - a. Submittal Sequence: Submit door hardware schedule [**concurrent with**] submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate the fabrication of other work that is critical in Project construction 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) Identification number, location, hand, fire rating, size, and material of each door and frame.

- 2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
  - 3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
  - 4) Description of electrified door hardware sequences of operation and interfaces with other building control systems.
  - 5) Fastenings and other pertinent information.
  - 6) Explanation of abbreviations, symbols, and codes contained in schedule.
  - 7) Mounting locations for door hardware.
  - 8) List of related door devices specified in other Sections for each door and frame.
2. Keying Schedule: Prepared by or under the supervision of hardware supplier, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations that are coordinated with the Contract Documents. Hardware supplier shall meet with the Owner on site to determine keying requirements and prepare keying schedule to be reviewed by the Owner and the Architect.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.
1. Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
  2. Scheduling Responsibility: Preparation of door hardware and keying schedules.
- B. Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.
- C. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.
1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.
- D. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to [NFPA 252] [UBC Standard 7-2].

#### 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.

#### 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.

## PART 2 - PRODUCTS

### 2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in this Section [and door hardware sets indicated in Part 3 "Door Hardware Sets"].
1. Door Hardware Sets: Provide items indicated for each door and each leaf in a pair of doors. See floor plan and door schedule for pairs of doors.
  2. Door Hardware sets are a list of door openings, **[not]** door or hardware quantities.
  3. Door Hardware sets specified herein indicate function(s) of hardware required at each opening; accessory hardware components necessary to provide specified function(s) are considered incidental and shall be provided by this Section, per the base bid, to achieve specified function(s).
  4. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.
- B. Designations: Requirements for design, function, 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: Provide Manufacturer and product designation as listed for each door hardware item specified. Manufacturers other than those listed will need prior approval.
- C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
1. Manufacturers: Subject to compliance with requirements, provide products by the manufacturers specified.

### 2.2 HINGES, GENERAL

- A. Quantity: Provide the following, unless otherwise indicated:
1. Three Hinges: For doors with heights **61 to 90 inches (1549 to 2286 mm)**.
  2. Four Hinges: For doors with heights **91 to 120 inches (2311 to 3048 mm)**.
- B. Template Requirements: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.
- C. Hinge Weight: Unless otherwise indicated, provide the following:
1. Exterior Doors: Heavy-weight hinges, 0.180" thickness.
  2. Doors with Closers: Antifriction-bearing hinges.
  3. Interior Doors up to 36" wide: Standard-weight hinges, 0.134" thickness
  4. Interior Doors over 36" wide: Heavy-weight hinges, 0.180" thickness
- D. Hinge Base Metal: Unless otherwise indicated, provide the following:
1. Exterior Hinges: **[Brass, with stainless-steel pin body and brass protruding heads]**.

2. Interior Hinges: [**Steel, with steel pin**].
  3. Hinges for Fire-Rated Assemblies: [**Steel, with steel pin**].
- E. Hinge Options: Where indicated in door hardware sets or on Drawings:
1. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for [**outswinging exterior doors**].
  2. Corners: [**Square**] [**5/32-inch (4-mm) radius**].
- F. Fasteners: Comply with the following:
1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
  2. Wood Screws: For wood doors and frames.
  3. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
  4. Screws: Phillips flat-head; [**machine screws (drilled and tapped holes) for metal doors**] [**wood screws for wood doors and frames**]. Finish screw heads to match surface of hinges.

## 2.3 HINGES

- A. Butts and Hinges: BHMA A156.1.[ **Listed under Category A in BHMA's "Certified Product Directory."** ]
- B. Template Hinge Dimensions: BHMA A156.7.
- C. Manufacturers:
1. Bommer Industries, Inc. (BI).
  2. Hager Companies (HAG).
  3. McKinney Products Company; an ASSA ABLOY Group company (MCK).
  4. PBB, Inc. (PBB).
  5. Stanley Commercial Hardware; Div. of The Stanley Works (STH).
- D. Continuous Hinges:
1. Mortise Aluminum continuous hinge. Basis of design: National Guard Products #HD 1100.

## 2.4 LOCKS AND LATCHES, GENERAL

- A. Accessibility Requirements: Comply with accessibility requirements, comply with [**the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."**] [**ANSI A117.1.**]
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. Lock Trim:
1. Levers: [**Cast**].
    - a. Unless indicated otherwise, provide locksets with vandal-resistant (free-wheeling) lever feature.

2. Escutcheons (Roses): [**Wrought**].
- D. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:
  1. Bored Locks: Minimum **1/2-inch (13-mm)** latchbolt throw.
  2. Deadbolts: Minimum **1-inch (25-mm)** bolt throw.
- E. Backset: **2-3/4 inches (70 mm)**, unless otherwise indicated.
- 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 Bored Locks and Latches: BHMA A156.2.

## 2.5 MECHANICAL LOCKS AND LATCHES

- A. Lock Functions: As indicated in door hardware schedule. Function numbers and descriptions indicated in door hardware sets comply with the following:
  1. Bored Locks: BHMA A156.2, Grade 1; Series 4000.
  2. Intruder Locksets: At locations noted with intruder locks provide key cylinder on each side of door.
    - a. Based on Sargent Security 10XG38 LL classroom security lock.
  3. Privacy Locksets: At locations noted with privacy locksets provide visual status indicator. Based on Sargent 10XU65 LL with status indicator.
- B. Bored Locks Basis-of-Design: Unless specifically indicated otherwise, provide cylindrical locksets based on [**Sargent 10 - Line**]; with vandal-resistant [**LL**] lever trim. To match existing.
  1. Approved Manufacturers:
    - a. Sargent; 10-Line Series.
- C. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch.
  1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.

## 2.6 DOOR BOLTS

- A. Bolt Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:
  1. Mortise Flush Bolts: Minimum **3/4-inch (19-mm)** throw.
- A. Manual Flush Bolts: BHMA A156.16; minimum 3/4-inch (19-mm) throw; designed for mortising into door edge. Basis of design: Ives #FB458



1. Manufacturers: Subject to compliance with requirements, **[provide products by one of the following]**:
  - a. Door Controls International, Inc.
  - b. Hiawatha, Inc.
  - c. IVES Hardware; an Ingersoll-Rand company.
2. Unless indicated otherwise, provide top flush bolt only at door leafs scheduled to receive manual flush bolts.

## 2.7 LOCK CYLINDERS

- A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.
  1. Manufacturers: Provide lock cylinders by lockset manufacturer.
- B. Standard Lock Cylinders: BHMA A156.5, **[Grade 1]**; permanent cores that are **[interchangeable]** **[removable]**; face finished to match lockset.
  1. Number of Pins: **[Seven]**.
  2. Type: **[Mortise]** **[Rim]** type.
- C. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.
- D. Coordination: The Contractor shall review and confirm key system **[and key cylinder]** requirements with the Owner prior to submitting Door Hardware or Keying Schedules.

## 2.8 KEYING

- A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A and as follows:
  1. Grand Master Key System: Cylinders are operated by a change key, a master key, and a grand master key.
  2. Existing System: Grand master key locks to Owner's existing system.
  3. Keyed Alike: Key all cylinders to same change key.
- B. Keys: Provide nickel-silver keys complying with the following:
  1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
  2. Quantity: In addition to one extra blank key for each lock, provide the following:
    - a. Cylinder Change Keys: Three.
    - b. Master Keys: Five.
    - c. Grand Master Keys: Five.

## 2.9 OPERATING TRIM

- A. Standard: BHMA A156.6 **[and as illustrated on Drawings]**.

- B. Materials: Fabricate from [**stainless steel**], unless otherwise indicated.
- C. Manufacturers:
  - 1. Burns Manufacturing Incorporated (BM).
  - 2. Hager Companies (HAG).
  - 3. Activar Construction Products
  - 4. IVES Hardware; an Ingersoll-Rand Company (IVS).
- D. Wood and HM Door Push – Pull Design:
  - 1. (Straight) Pulls: Based on Activar #536B-10” pulls.
  - 2. Push Plates: Based on 4”x12” push plates w/ beveled edges.

## 2.10 CLOSERS

- A. Surface Closer with Cover: Grade [**1**]; Modern Type with mechanism enclosed in cover. Provide closers with parallel arms to greatest extent possible. Metallic paint finish, color to match metal hardware finish. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated. Provide [**cushion stop**] [**positive stop hold open**] feature where specifically noted in hardware schedule.
  - 1. Basis-of-Design: LCN 4040 super smoothee Series.
    - a. Mounting: [**Parallel arm**].
    - b. Type: [**Regular arm**] [**Hold open**] [**Cushion stop**] as noted in schedule.
    - c. Backcheck: [**Adjustable**], effective between 60 and 85 degrees of door opening.
    - d. Cover Material: [**Aluminum**], painted to match hardware finish.
    - e. Closing Power Adjustment: At least [**35**] percent more than minimum tested value.
- B. Accessibility Requirements: Handles, pulls, latches, locks, and other operating devices shall comply with accessibility requirements, comply with [**the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." ] [ANSI A117.1.]**
  - 1. Comply with the following maximum opening-force requirements:
    - a. Interior, Non-Fire-Rated Hinged Doors: **5 lbf (22.2 N)** applied perpendicular to door.
    - b. Sliding or Folding Doors: **5 lbf (22.2 N)** applied parallel to door at latch.
    - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
- C. Door Closers for Means of Egress Doors: Comply with NFPA 101. Door closers shall not require more than **30 lbf (133 N)** to set door in motion and not more than **15 lbf (67 N)** to open door to minimum required width.

## 2.11 PROTECTIVE TRIM UNITS

- A. Metal Protective Trim Units (Kickplates): BHMA A156.6; beveled top and 2 sides; fabricated from **0.050-inch- (1.3-mm-)** thick [**stainless steel**].
  - 1. Fasteners: Manufacturer's standard machine or self-tapping screws.
  - 2. Size: **1-1/2 inches (38 mm)** less than door width by 8 inch high on push side of door. Provide 5” high at stile and rail doors.

- B. Provide protection plates at all doors with closures.
- C. Manufacturers:
  - a. Burns Manufacturing Incorporated (BM).
  - b. Hager Companies (HAG).
  - c. Activar Construction Products
  - d. IVES Hardware; an Ingersoll-Rand Company (IVS).

## 2.12 STOPS AND HOLDERS

- A. Manufacturers:
  - 1. Burns Manufacturing Incorporated (BM).
  - 2. Glynn-Johnson; an Ingersoll-Rand Company (GJ).
  - 3. Activar Construction Products
  - 4. IVES Hardware; an Ingersoll-Rand Company (IVS).
- B. Stops and Bumpers: BHMA A156.16[, **Grade 1**].
  - 1. Typical wall (bumper) stop design is based on Ives #401-1/2.
- C. Surface-Mounted Overhead Stops: BHMA A156.8, Grade 1.
  - 1. Acceptable Manufacturers / Products:
    - a. Glynn Johnson; GJ 90 Series.
    - b. Rixson; 9-Series.
    - c. Rockwood; 19000 Series.
    - d. Sargent; 590 Series.
  - 2. When a surface-mounted overhead stop is required with a parallel arm closer application, on interior doors only, provide closer with spring stop arm.
- D. Overhead Stops and Holders: BHMA A156.8. Basis of design: Glynn-Johnson #450S.
  - 1. Overhead Surface-Mounted Slide Holders: Type 2; Grade [1]; hold open and release by push and pull of door unless control is set in inactive position; with stop, shock absorber, and adjustable holding pressure; for single-acting doors opening 110 degrees.
- E. Mechanical Door Holders: BHMA A156.16, Grade 1.
  - 1. Manual hold open design is based on Glynn-Johnson #WS40 wall holder.

## 2.13 DOOR GASKETING

- A. Standard: BHMA A156.22.[ **Listed under Category J in BHMA's "Certified Product Directory."** ]
- B. General: Provide continuous weather-strip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.
  - 1. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame. Design is based on Reese #815.

2. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed. Design is based on Reese #92.
  3. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed. Design is based on Reese#323.
- C. Air Leakage: Not to exceed **0.50 cfm per foot (0.000774 cu. m/s per m)** of crack length for gasketing other than for smoke control, as tested according to ASTM E 283.
- D. Sound seal Gasketing: provide Reese #797 gaskets at jamb and head of doors noted with smoke gaskets.
- E. Automatic door bottom seals: Basis of design is National Guard Products #223A. Provide at doors noted with automatic door bottoms.
- F. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- G. Gasketing Materials: ASTM D 2000 and AAMA 701/702.
- H. Manufacturers:
1. National Guard Products (NGP).
  2. Pemko Manufacturing Co. (PEM).
  3. Reese Enterprises (RE).

#### 2.14 THRESHOLDS

- A. Standard: BHMA A156.21.[ **Listed under Category J in BHMA's "Certified Product Directory."** ]
- B. Accessibility Requirements: Comply with accessibility requirements, comply with [**the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)."**] [ANSI A117.1.]
1. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than [**1/2 inch (13 mm) high**].
- C. Thresholds for Means of Egress Doors: Comply with NFPA 101. Maximum **1/2 inch (13 mm)** high.
- D. Design is based on Reese #S205.
- E. Manufacturers:
1. National Guard Products (NGP).
  2. Pemko Manufacturing Co. (PEM).
  3. Reese Enterprises (RE).

#### 2.15 FABRICATION

- A. 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.

- B. 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. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.
  2. Steel Machine or Wood Screws: For the following fire-rated applications:
    - a. Mortise hinges to doors.
    - b. Strike plates to frames.
    - c. Closers to doors and frames.
  3. Steel Through Bolts: For the following fire-rated applications unless door blocking is provided:
    - a. Surface hinges to doors.
    - b. Closers to doors and frames.
    - c. Surface-mounted exit devices.
  4. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
  5. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."

## 2.16 FINISHES

- A. Standard: BHMA A156.18. Provide BHMA 626, Satin chromium plated over nickel, brass or bronze metal.
- 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 3 - EXECUTION

### 3.1 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.

### 3.2 PREPARATION

- A. Steel Doors and Frames: Comply with DHI A115 Series.
  - 1. Surface-Applied Door Hardware: Drill and tap doors and frames according to ANSI A250.6.
- B. Wood Doors: Comply with DHI A115-W Series.

### 3.3 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights indicated [**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. 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 9 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. Key Control System: Tag keys and give to Owner, as determined by final keying schedule.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

### 3.4 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.
  - 1. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
  - 2. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point **3 inches (75 mm)** from the latch, measured to the leading edge of the door.

### 3.5 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.

### 3.6 DOOR HARDWARE SCHEDULE

#### **Hardware Group #1**

Existing hardware and continuous hinges relocated  
New wall stops

#### **Hardware Group #2**

Continuous hinges  
Push pad  
Pull  
Closure with hold open  
Kick plate  
Wall stop

#### **Hardware Group #3**

Butt hinges  
Classroom lock  
Closure  
Kick plate  
Wall stop

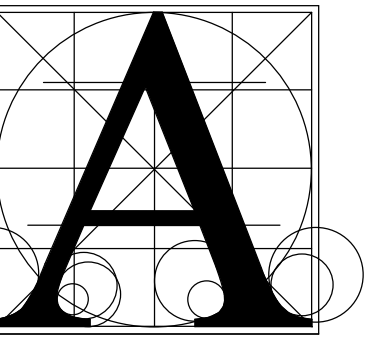
#### **Hardware Group #4**

Existing hardware to remain  
New sound gaskets  
New automatic door bottom  
New threshold

#### **Hardware Group #5**

Butt hinges  
Passage lock  
Wall stop

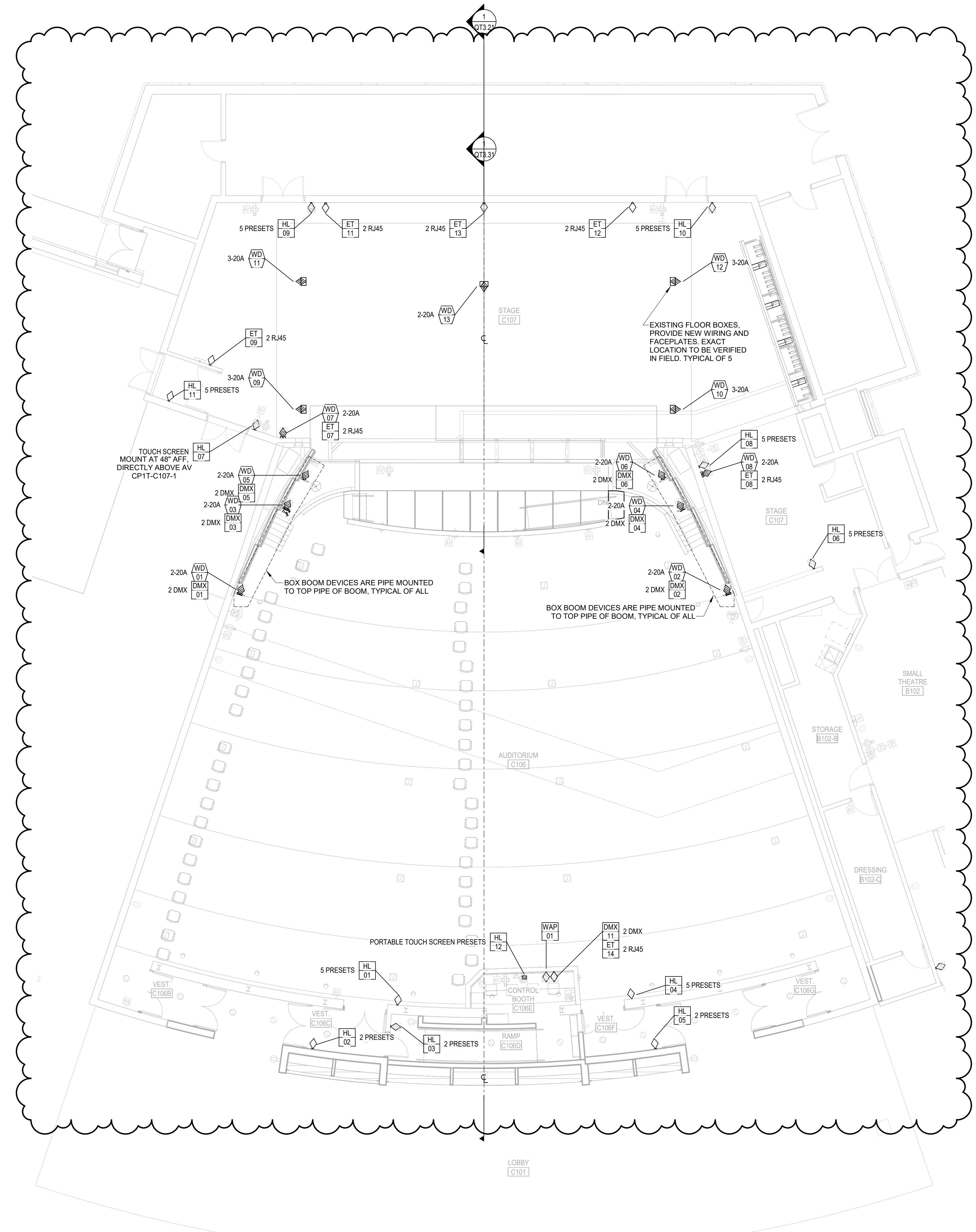
END OF SECTION 087100



Architecture  
Incorporated

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158



LEVEL 01 - THEATRICAL LIGHTING PLAN

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

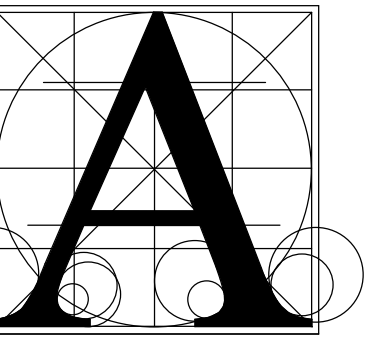
Project  
**LINCOLN HIGH SCHOOL THEATRE RENOVATION**  
about contents  
**THEATRICAL LIGHTING PLAN, AUDITORIUM LEVEL 1**

|          |             |
|----------|-------------|
| number   | 20-19101-03 |
| date     | 01/30/2025  |
| revision |             |
| drawn    | JGH         |
| checked  | PB          |

| NO. | DATE     | DESCRIPTION |
|-----|----------|-------------|
| 1   | 02/17/25 | ADDENDUM 1  |

**QT1.01**





Architecture  
Incorporated

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

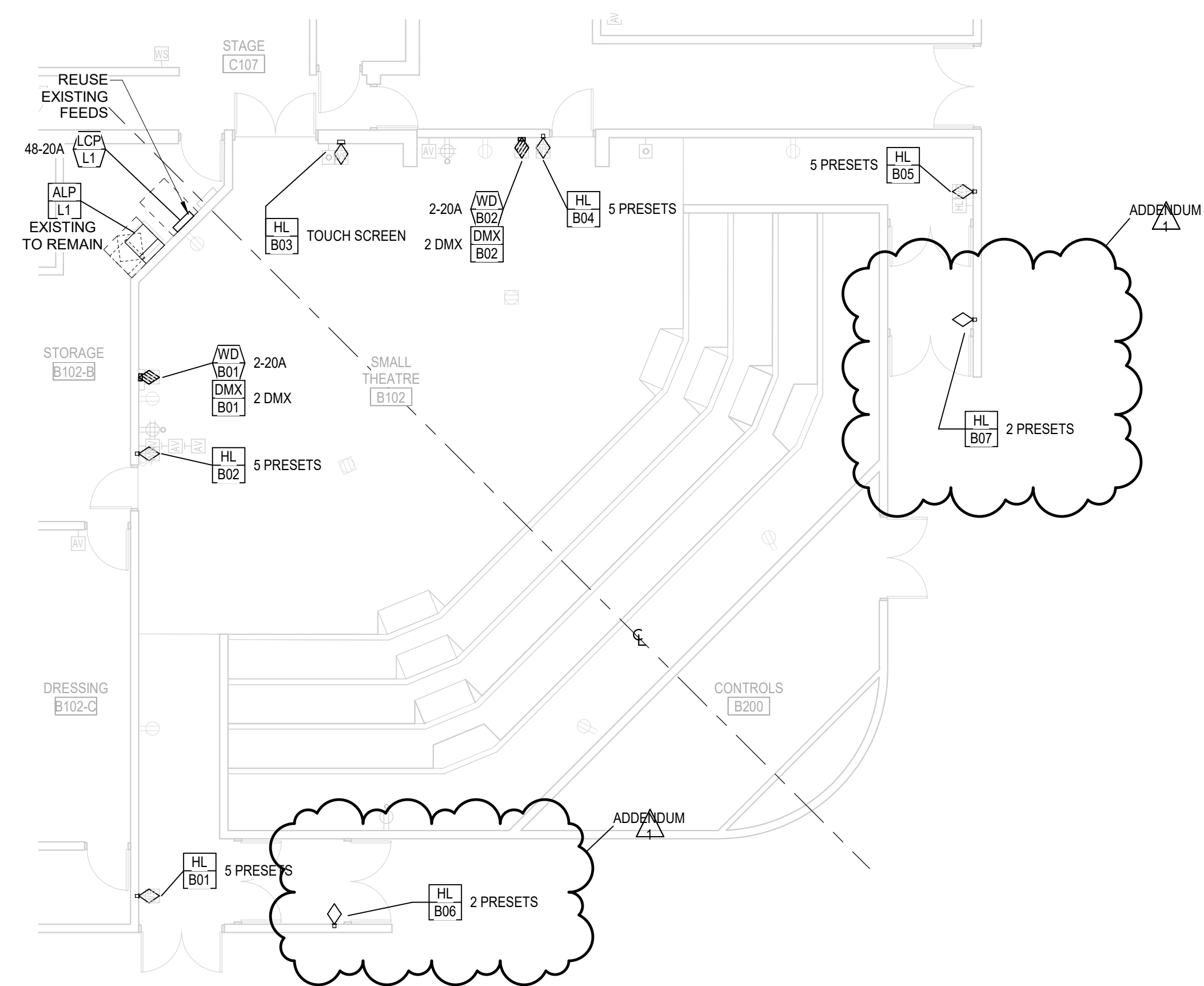
815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158

Project  
**LINCOLN HIGH SCHOOL THEATRE RENOVATION**  
about contents  
THEATRICAL LIGHTING PLAN, LITTLE THEATRE LEVEL 1

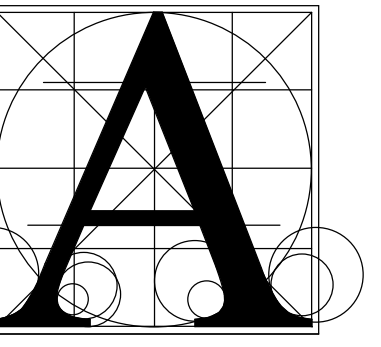
number 20-19101-03  
date 01/30/2025  
revision  
drawn JGH checked PB

| NO. | DATE     | DESCRIPTION |
|-----|----------|-------------|
| 1   | 02/17/25 | ADDENDUM 1  |

**QT1.02**



**LEVEL 01 - THEATRICAL LIGHTING PLAN, LITTLE THEATRE**  
SCALE: 1/8" = 1'-0"



Architecture  
Incorporated

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158

Project  
**LINCOLN HIGH SCHOOL THEATRE RENOVATION**  
 sheet contents  
**THEATRICAL WIRING DEVICE DETAILS & SCHEDULE**

number 20-19101-03  
date 01/30/2025  
revision  
drawn JGH checked PB

NO. DATE DESCRIPTION  
1 02/17/25 ADDENDUM 1

**QT5.01**

**THEATRICAL WIRING DEVICE SCHEDULE**

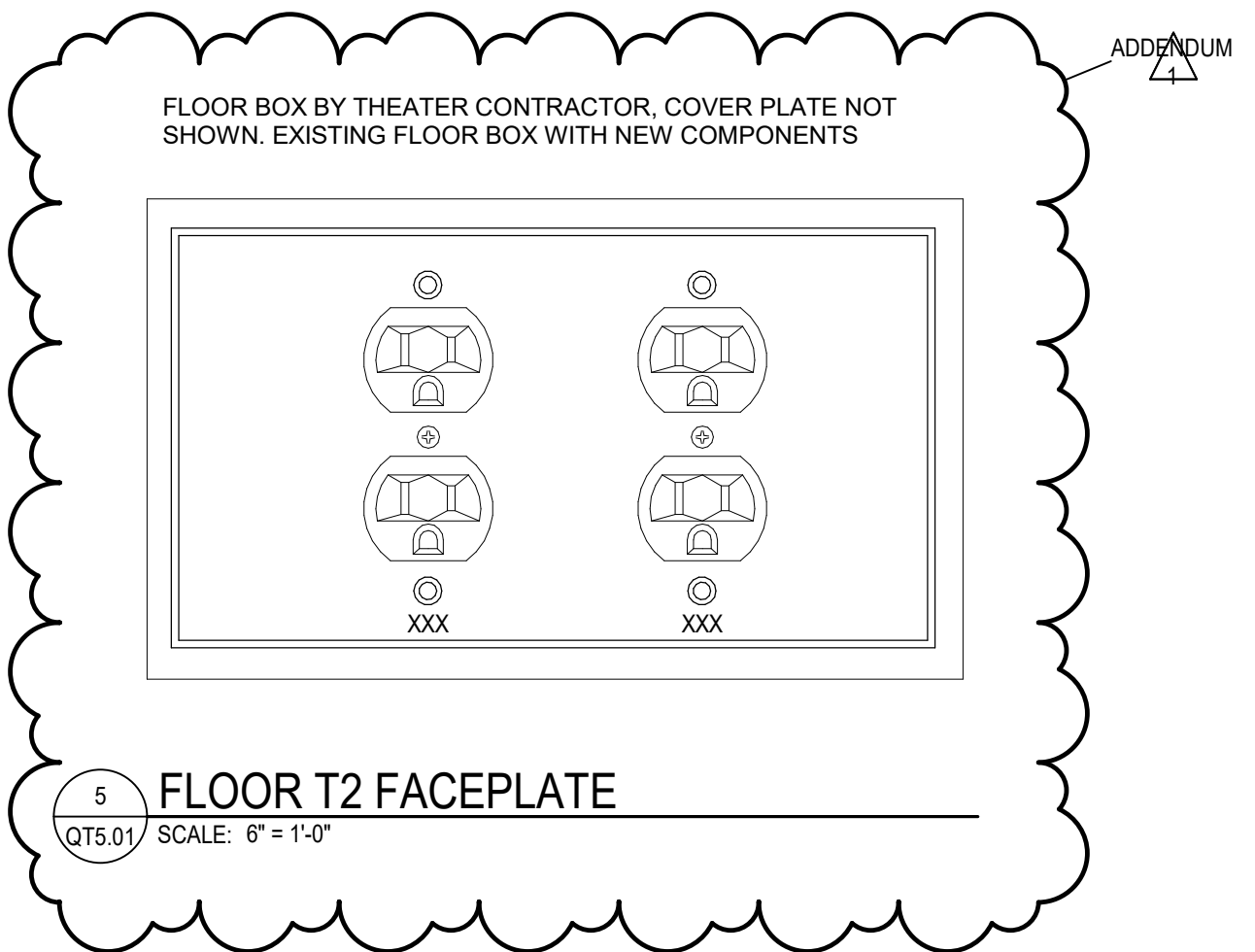
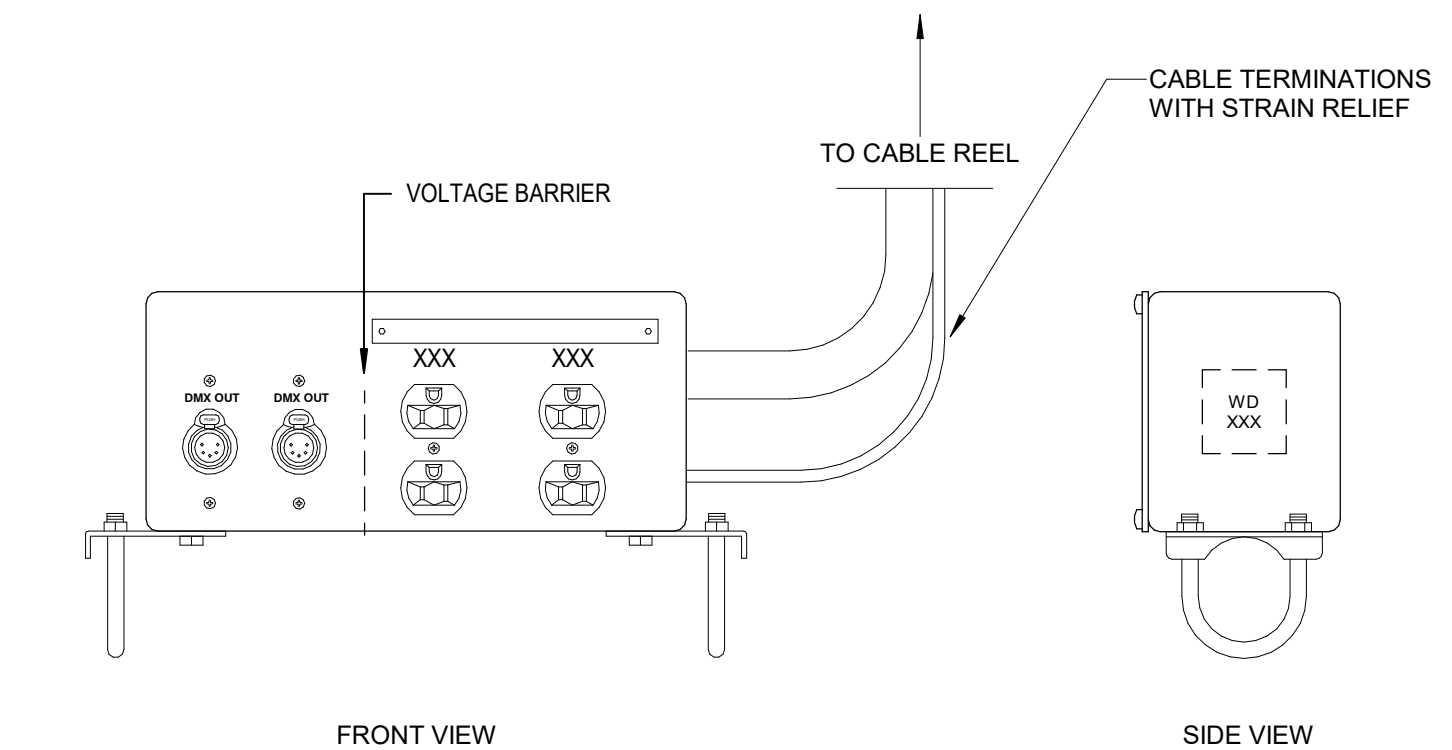
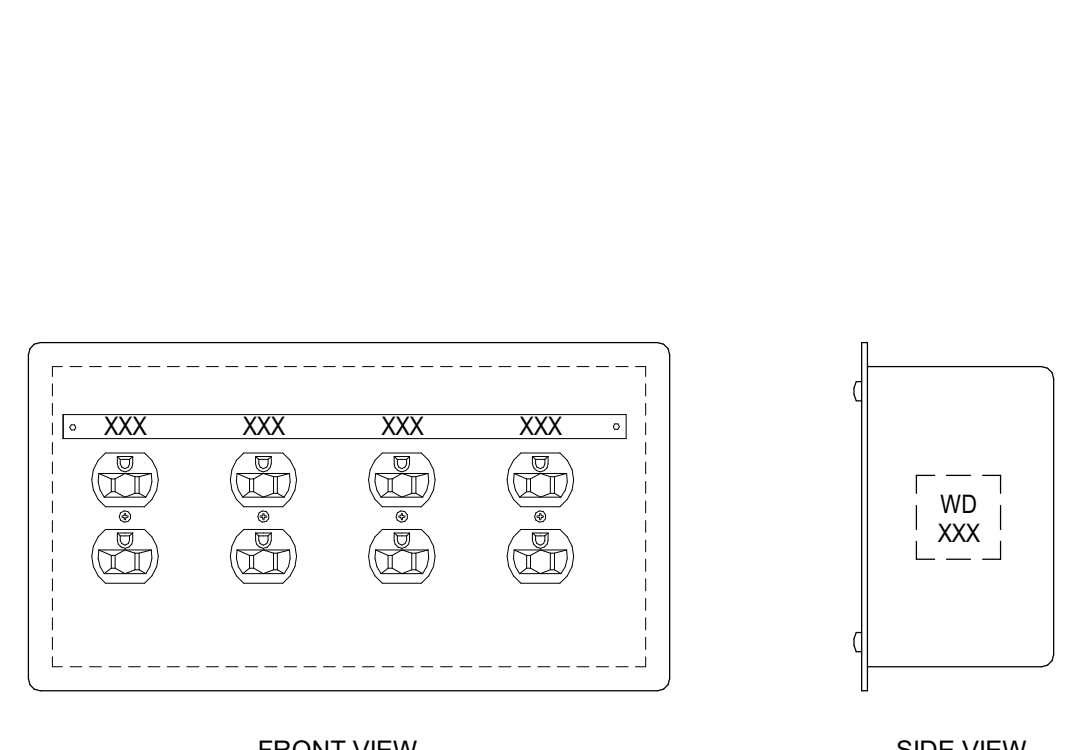
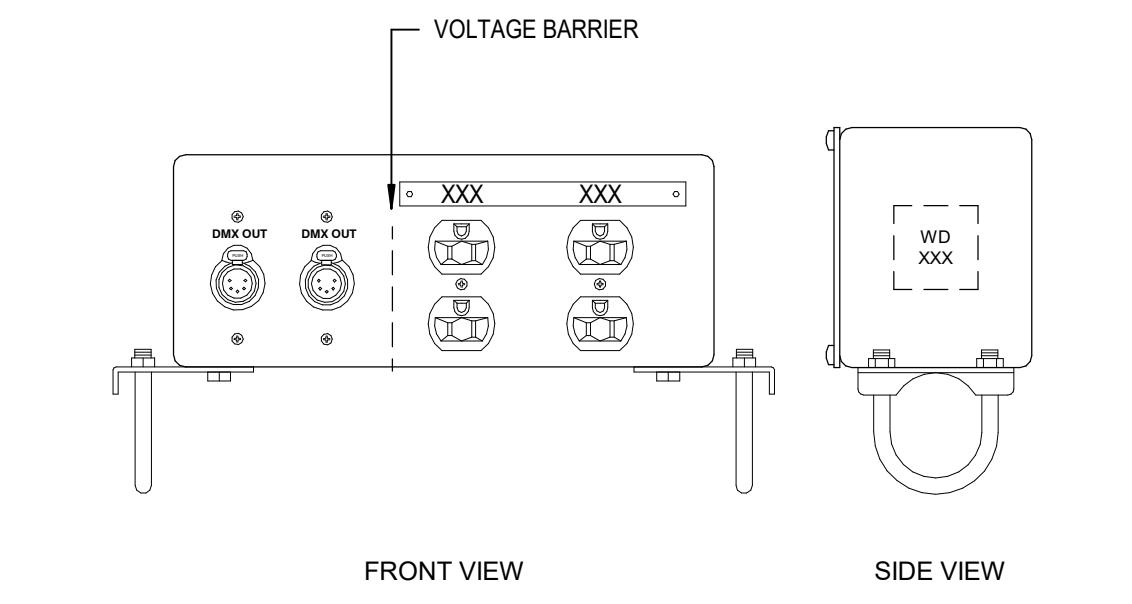
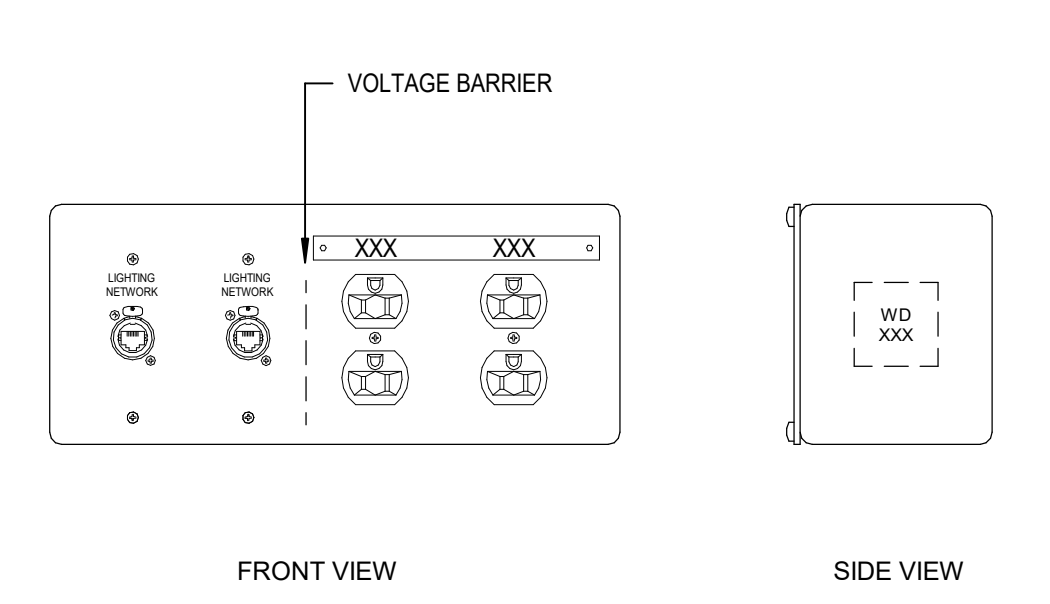
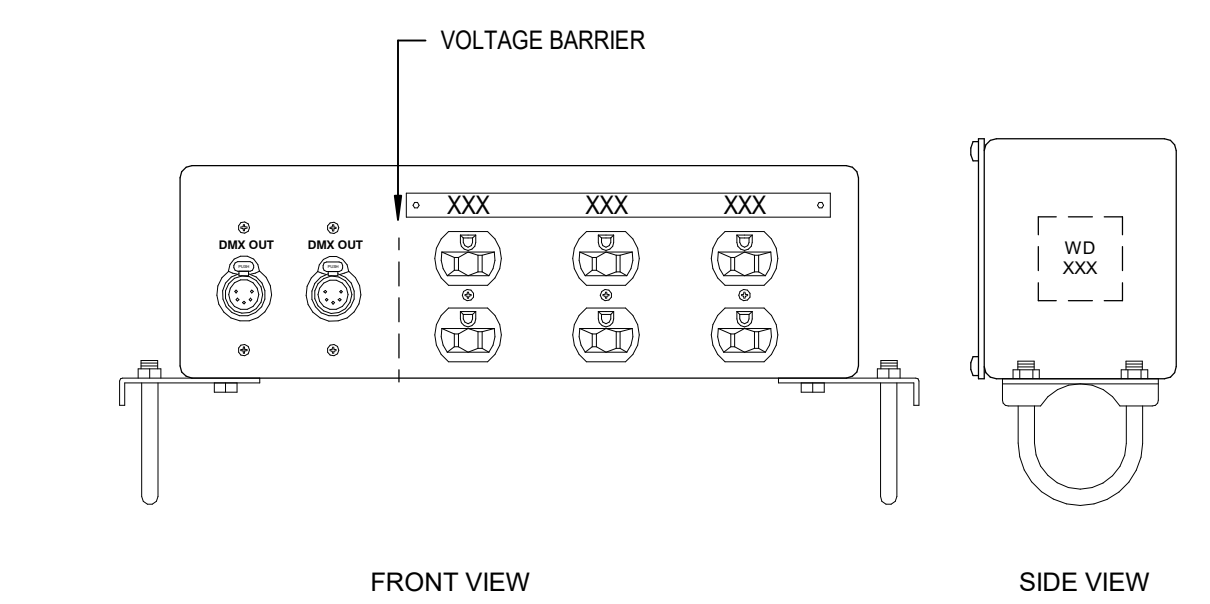
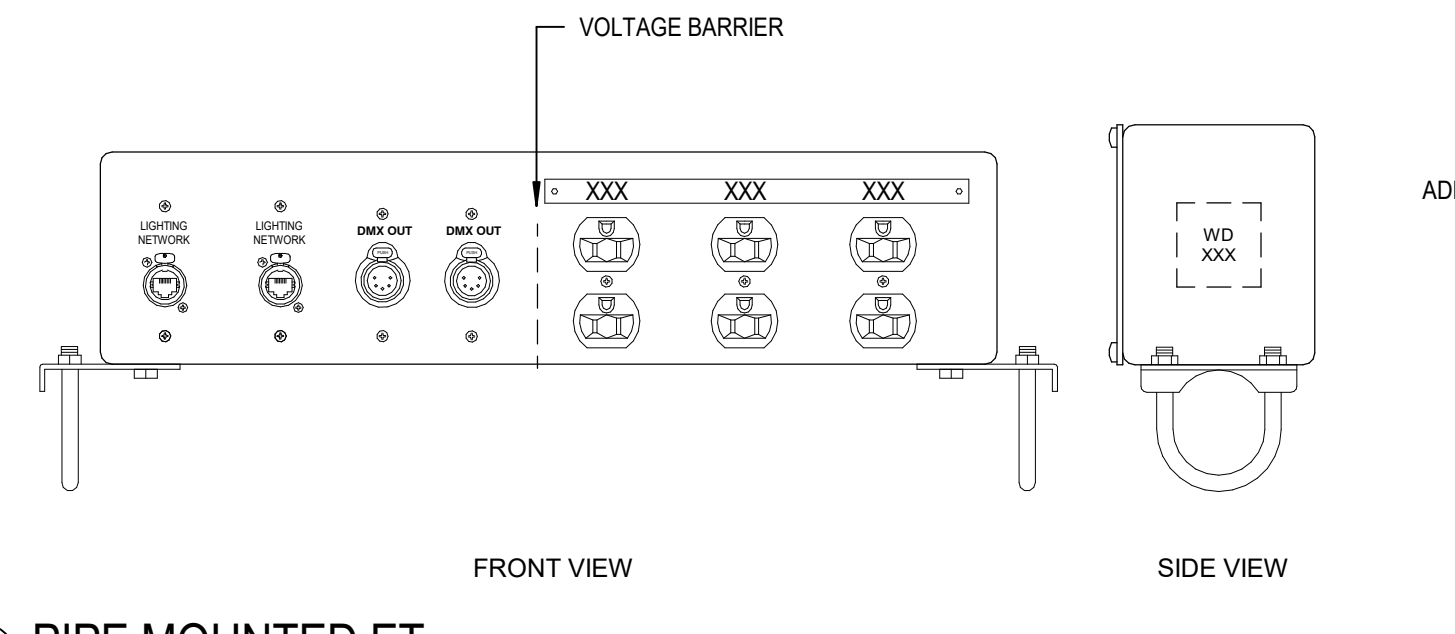
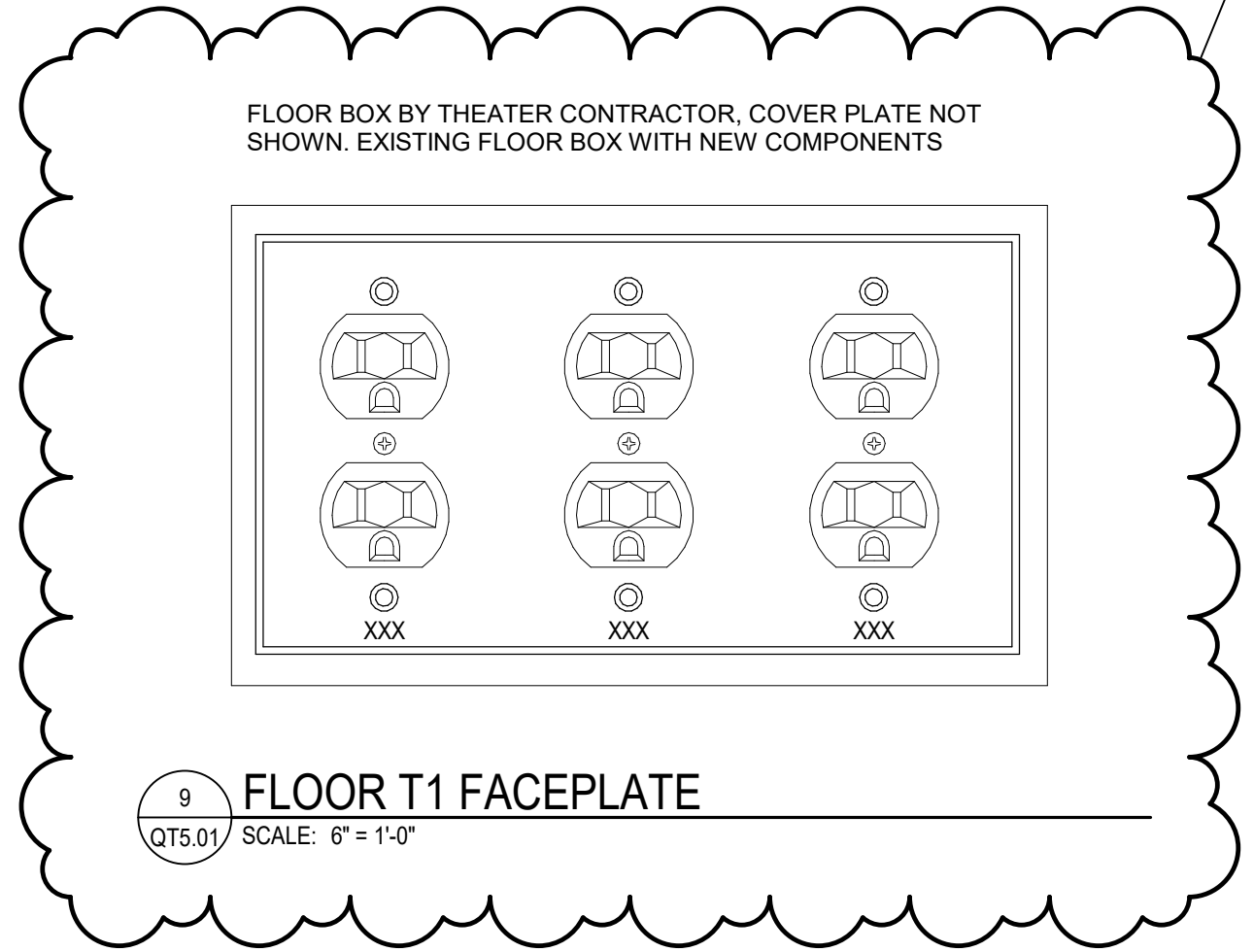
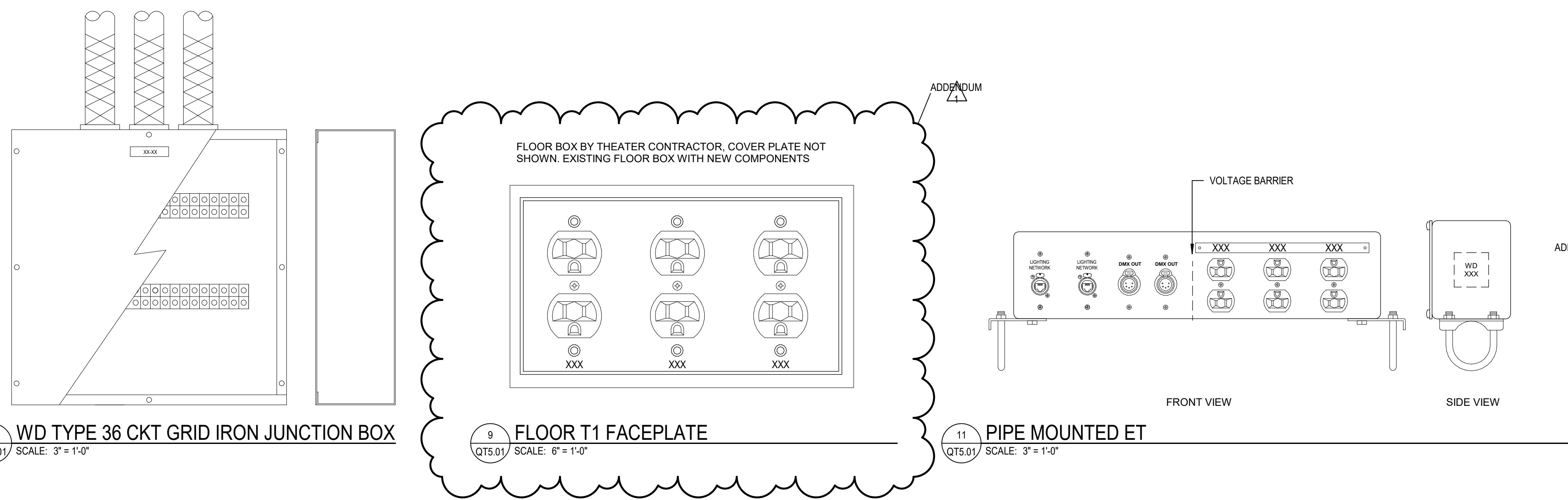
GENERAL NOTES  
1. "VERIFY" = FINAL COLOR SELECTION BY ARCHITECT AND SPECIFIER AT SUBMITTAL PHASE. FOR BIDDING PURPOSES, ASSUME CUSTOM COLOR WITH SAMPLE VERIFICATION.  
2. "MFR" = MANUFACTURER'S DEFAULT COLOR.

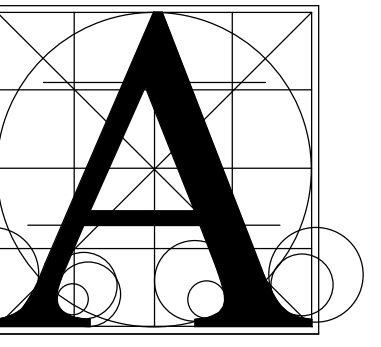
| DEVICE NO. | DEVICE TYPE       | DESCRIPTION AND MOUNTING   | MOUNTING HEIGHT     | COLOR | LOCATION                           | CIRCUIT QTY | FED FROM         | CONDUIT & FEEDER SIZE |
|------------|-------------------|--|---------------------|-------|------------------------------------|-------------|------------------|-----------------------|
| BCELTS-01  | LRP-04 (ECHO)     | FEEDTHROUGH RELAY PANEL WITH (4) RELAYS  | WALL                | MFR.  | PROJECTION C202                    | 1-20A       | REFER ELECTRICAL | REFER ELECTRICAL      |
| WD-01      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | BOX BOOM, CROSS AISLE, HL          | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-02      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | BOX BOOM, CROSS AISLE, HR          | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-03      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | BOX BOOM, STAGE STAIR, HL          | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-04      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | BOX BOOM, STAGE STAIR, HR          | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-05      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | BOX BOOM, APRON, HL                | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-06      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | BOX BOOM, APRON, HR                | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-07      | SURFACE 2C 2ET    | SURFACE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) RJ45 PORTS  | -24" A.F.F.         | BLACK | PROSCENIUM WALL, SR                | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-08      | FACE PLATE        | FLOOR BOX WITH (3) NEMA 5-20R EDISON DUPLEX RECEPTACLES  | -24" A.F.F.         | BLACK | PROSCENIUM WALL, SL                | 3-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-09      | FLOOR T1          | FLOOR BOX WITH (3) NEMA 5-20R EDISON DUPLEX RECEPTACLES  | -24" A.F.F.         | BLACK | EXIST FLOOR POCKET DSR             | 3-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-10      | FLOOR T1          | FLOOR BOX WITH (3) NEMA 5-20R EDISON DUPLEX RECEPTACLES  | -24" A.F.F.         | BLACK | EXIST FLOOR POCKET DSL             | 3-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-11      | FLOOR T1          | FLOOR BOX WITH (3) NEMA 5-20R EDISON DUPLEX RECEPTACLES  | -24" A.F.F.         | BLACK | EXIST FLOOR POCKET USR             | 3-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-12      | FLOOR T1          | FLOOR BOX WITH (3) NEMA 5-20R EDISON DUPLEX RECEPTACLES  | -24" A.F.F.         | BLACK | EXIST FLOOR POCKET USL             | 3-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-13      | FLOOR T2          | FLOOR BOX WITH (2) NEMA 5-20R EDISON DUPLEX RECEPTACLES  | -24" A.F.F.         | BLACK | EXIST FLOOR POCKET USC             | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-31      | RACEWAY           | FLYPIPE RACEWAY, HORIZONTAL, WITH (4) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS   | PIPE-MOUNT AS SHOWN | BLACK | FOH PIPE, HL                       | 4-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-32      | RACEWAY ET        | FLYPIPE RACEWAY, HORIZONTAL, WITH (4) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS + (2) RJ45 PORTS  | PIPE-MOUNT AS SHOWN | BLACK | FOH PIPE, HC                       | 4-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-33      | RACEWAY           | FLYPIPE RACEWAY, HORIZONTAL, WITH (4) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS   | PIPE-MOUNT AS SHOWN | BLACK | FOH PIPE, HR                       | 4-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-34      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | APRON PIPE, HL                     | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-35      | PIPE MOUNTED ET   | PIPE-MOUNT, HORIZONTAL, WITH (3) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS + (2) RJ45 PORTS   | -24" A.F.F.         | BLACK | APRON PIPE, CENTER                 | 3-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-36      | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | APRON PIPE, HR                     | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-41      | OVSTG-1           | HORIZONTAL CONNECTOR STRIP, RAILING MOUNT, WITH (12) 20A CIRCUITS AND (24) FLUSH MOUNT NEMA 5-20R EDISON DUPLEX RECEPTACLES + (2) DMX-OUT + (2) RJ45 PORTS                 | PIPE-MOUNT AS SHOWN | BLACK | 1ST ELECTRIC                       | 12-20A      | LCP-##           | REFER ELECTRICAL      |
| WD-42      | OVSTG-2           | HORIZONTAL CONNECTOR STRIP, RAILING MOUNT, WITH (10) 20A CIRCUITS AND (30) FLUSH MOUNT NEMA 5-20R EDISON DUPLEX RECEPTACLES + (2) DMX-OUT DUPLEX RECEPTACLES + (2) DMX-OUT | PIPE-MOUNT AS SHOWN | BLACK | 2ND ELECTRIC                       | 10-20A      | LCP-##           | REFER ELECTRICAL      |
| WD-43      | OVSTG-2           | HORIZONTAL CONNECTOR STRIP, RAILING MOUNT, WITH (10) 20A CIRCUITS AND (30) FLUSH MOUNT NEMA 5-20R EDISON DUPLEX RECEPTACLES + (2) DMX-OUT DUPLEX RECEPTACLES + (2) DMX-OUT | PIPE-MOUNT AS SHOWN | BLACK | 3RD ELECTRIC                       | 10-20A      | LCP-##           | REFER ELECTRICAL      |
| WD-44      | OVSTG-2           | HORIZONTAL CONNECTOR STRIP, RAILING MOUNT, WITH (10) 20A CIRCUITS AND (30) FLUSH MOUNT NEMA 5-20R EDISON DUPLEX RECEPTACLES + (2) DMX-OUT DUPLEX RECEPTACLES + (2) DMX-OUT | PIPE-MOUNT AS SHOWN | BLACK | 4TH ELECTRIC                       | 10-20A      | LCP-##           | REFER ELECTRICAL      |
| WD-B01     | W2                | RECESSED, HORIZONTAL, WITH (4) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES  | -24" A.F.F.         | BLACK | LITTLE THEATER, SL                 | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B02     | W2                | RECESSED, HORIZONTAL, WITH (4) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES  | -24" A.F.F.         | BLACK | LITTLE THEATER, SR                 | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B21     | PIPE MOUNTED - T2 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, FOH ELECTRIC 1     | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B22     | PIPE MOUNTED - T2 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, FOH ELECTRIC 2, HL | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B23     | PIPE MOUNTED - T2 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, FOH ELECTRIC 2, HR | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B24     | PIPE MOUNTED - T2 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, FOH ELECTRIC 3     | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B25     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE A, SR         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B26     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE A, CENTER     | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B27     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE A, SL         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B28     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE B, SR         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B29     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE B, SL         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B30     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE C, SR         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B31     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE C, CENTER     | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B32     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE C, SL         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B33     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE D, SR         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B34     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE D, SL         | 2-20A       | LCP-##           | REFER ELECTRICAL      |
| WD-B35     | PIPE MOUNTED - T1 | PIPE-MOUNT, HORIZONTAL, WITH (2) NEMA 5-20R EDISON DUPLEX PANEL-MOUNT RECEPTACLES + (2) DMX PORTS  | -24" A.F.F.         | BLACK | LITTLE THEATER, PIPE E, CENTER     | 2-20A       | LCP-##           | REFER ELECTRICAL      |

**THEATRICAL ELECTRICAL EQUIPMENT SCHEDULE**

GENERAL NOTES  
1. "VERIFY" = FINAL COLOR SELECTION BY ARCHITECT AND SPECIFIER AT SUBMITTAL PHASE. FOR BIDDING PURPOSES, ASSUME CUSTOM COLOR WITH SAMPLE VERIFICATION.  
2. "MFR" = MANUFACTURER'S DEFAULT COLOR.

| DEVICE NO. | DEVICE TYPE      | DESCRIPTION AND MOUNTING                                    | MOUNTING HEIGHT | LOCATION        | CIRCUIT QTY | FED FROM         | CONDUIT AND FEEDER SIZE |
|------------|------------------|---|-----------------|-----------------|-------------|------------------|-------------------------|
| BCELTS-01  | LRP-04 (ECHO)    | FEEDTHROUGH RELAY PANEL WITH (4) RELAYS                     | WALL            | PROJECTION C202 | 1-20A       | REFER ELECTRICAL | REFER ELECTRICAL        |
| DR-01      | DIMMER RACK (24) | HIGH-DENSITY DIMMER RACK WITH (12) MODULES AND (24) DIMMERS | WALL            | PROJECTION C202 | 24-20A      | REFER ELECTRICAL | REFER ELECTRICAL        |
| EBDK-01    | EBDK             | EMERGENCY BYPASS DETECTION KIT                              | +48" A.F.F.     | PROJECTION C202 | 1           | REFER ELECTRICAL | REFER ELECTRICAL        |
| LCP-01     | LCP-48 (SENS-IQ) | MAINS-FED MOTORIZED BREAKER PANEL WITH (48) BREAKERS        | WALL            | PROJECTION C202 | 48-20A      | REFER ELECTRICAL | REFER ELECTRICAL        |
| LCP-02     | LCP-48 (SENS-IQ) | MAINS-FED MOTORIZED BREAKER PANEL WITH (48) BREAKERS        | WALL            | PROJECTION C202 | 48-20A      | REFER ELECTRICAL | REFER ELECTRICAL        |
| LCP-L1     | LCP-48 (SENS-IQ) | MAINS-FED MOTORIZED BREAKER PANEL WITH (48) BREAKERS        | WALL            | STORAGE B102-B  | 48-20A      | REFER ELECTRICAL | REFER ELECTRICAL        |





Architecture  
Incorporated

415 South Main Avenue  
P.O. Box 2140  
Souix Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158

### THEATRICAL CONTROL DEVICE SCHEDULE

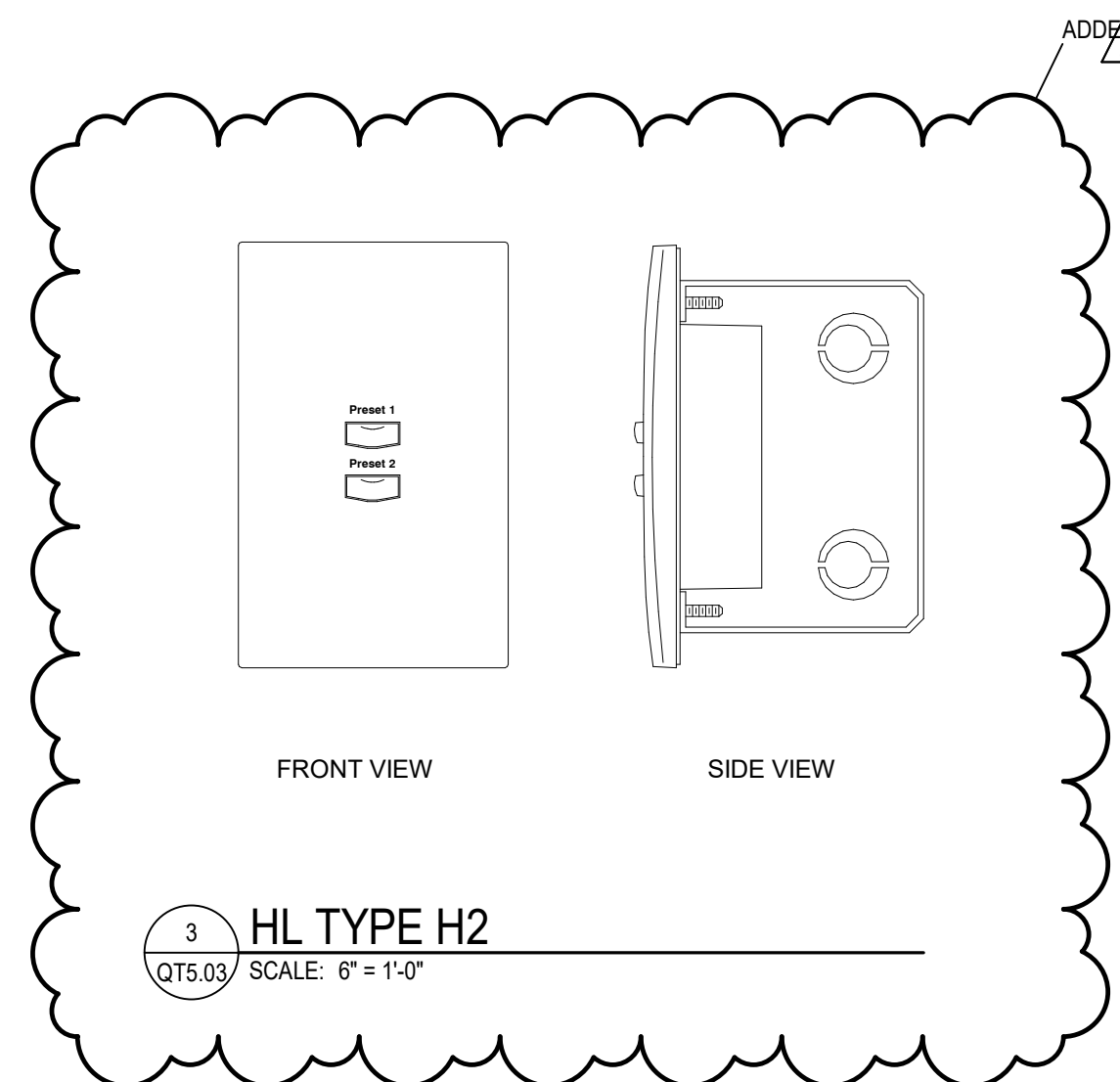
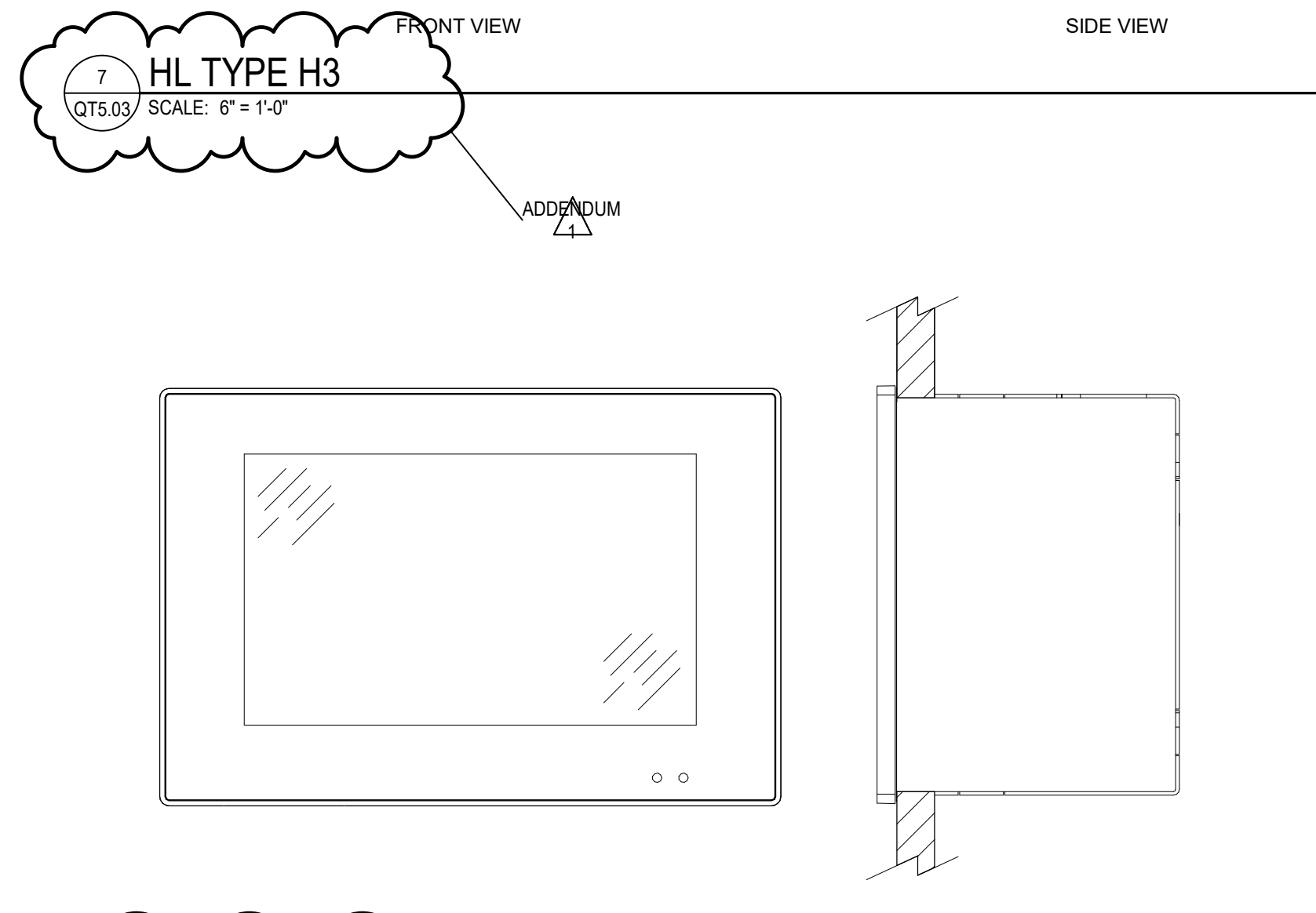
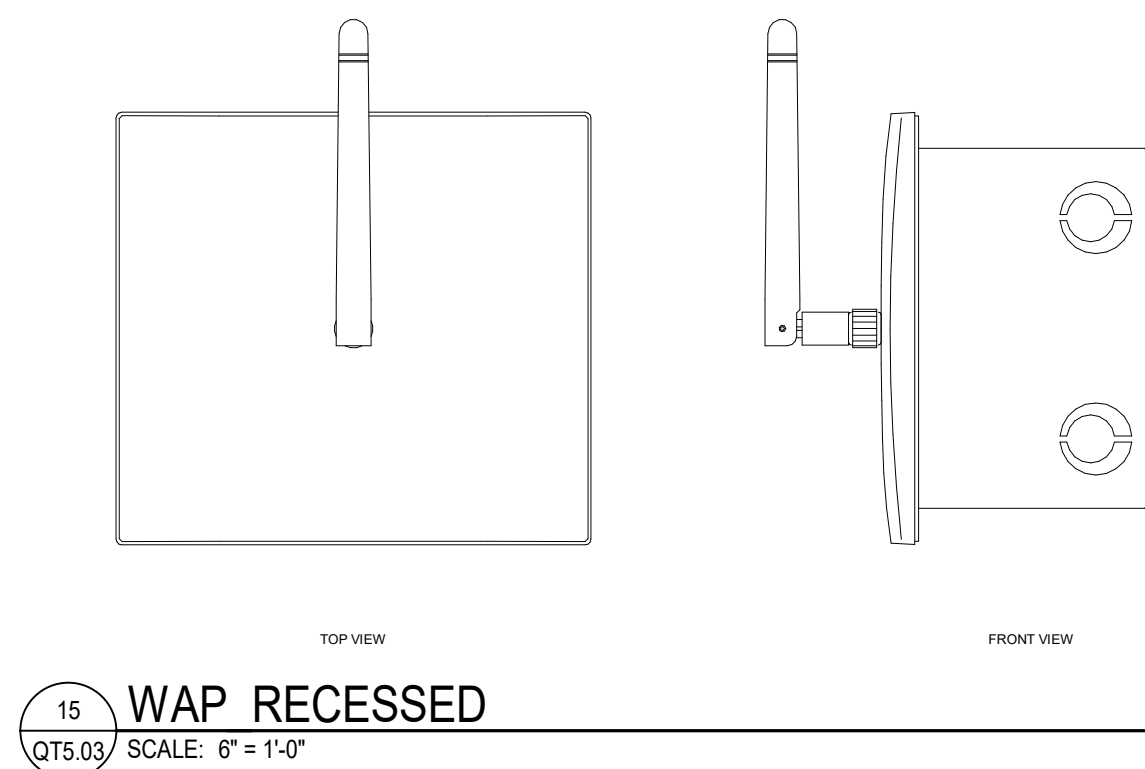
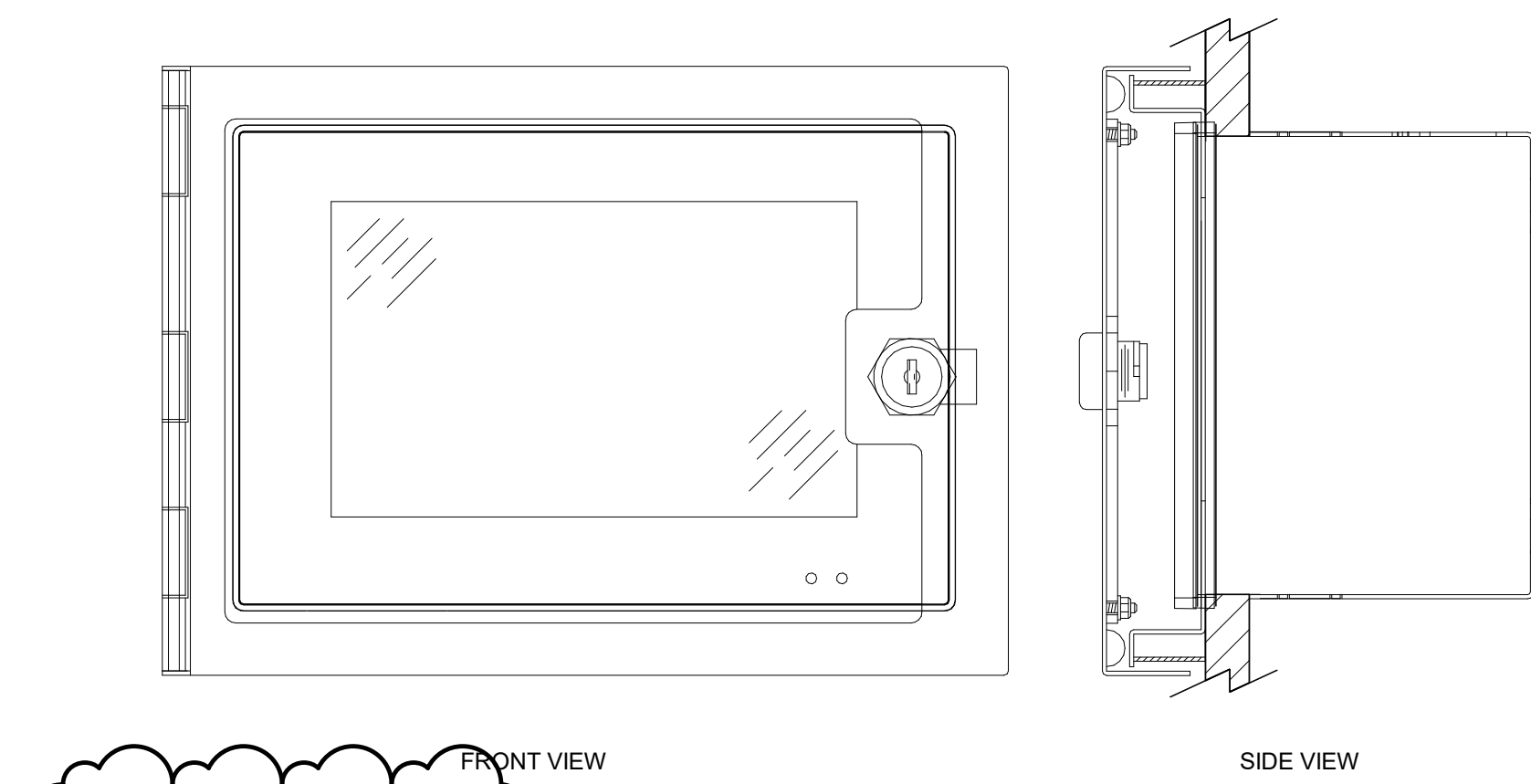
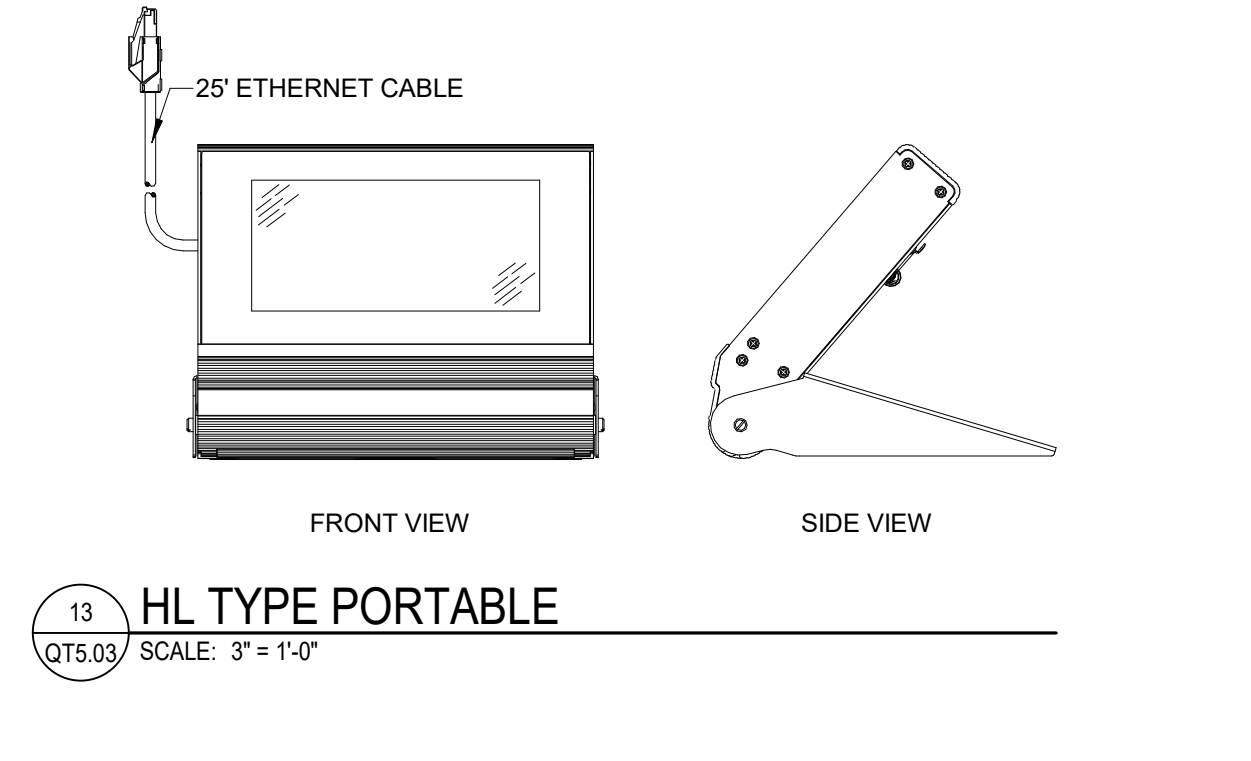
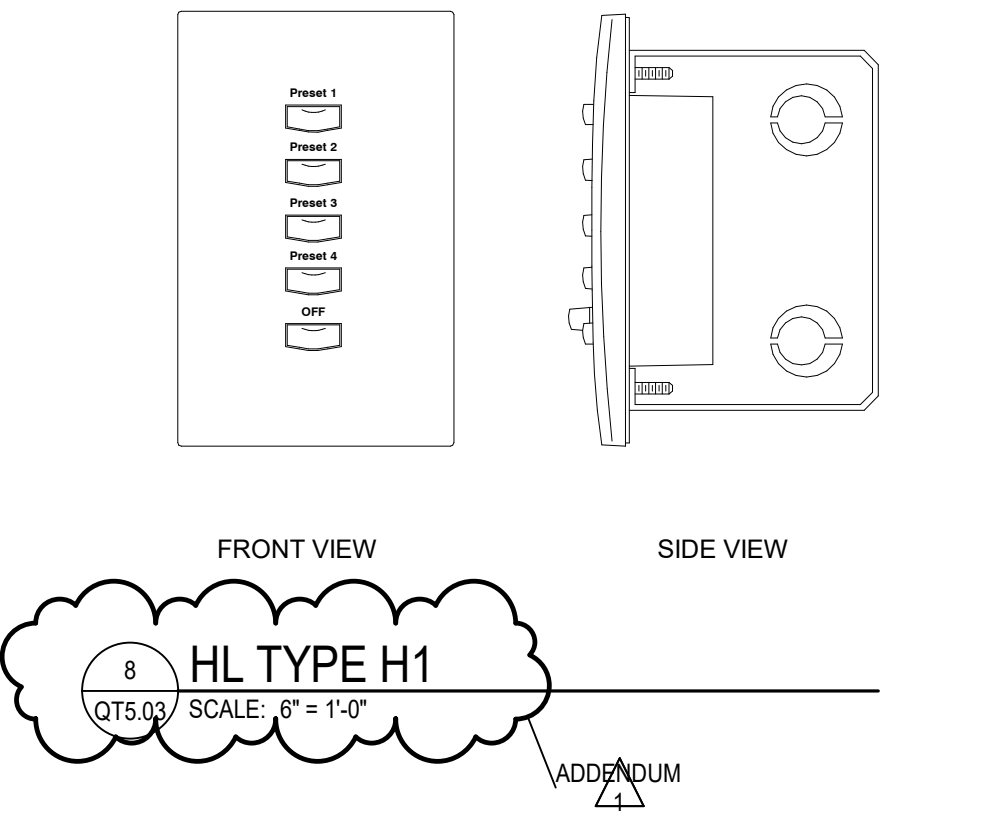
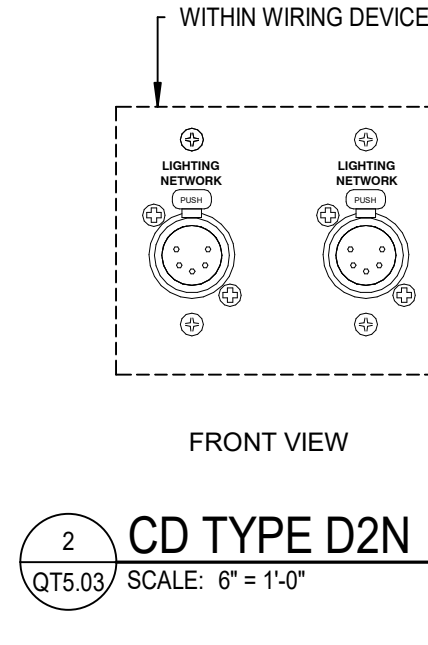
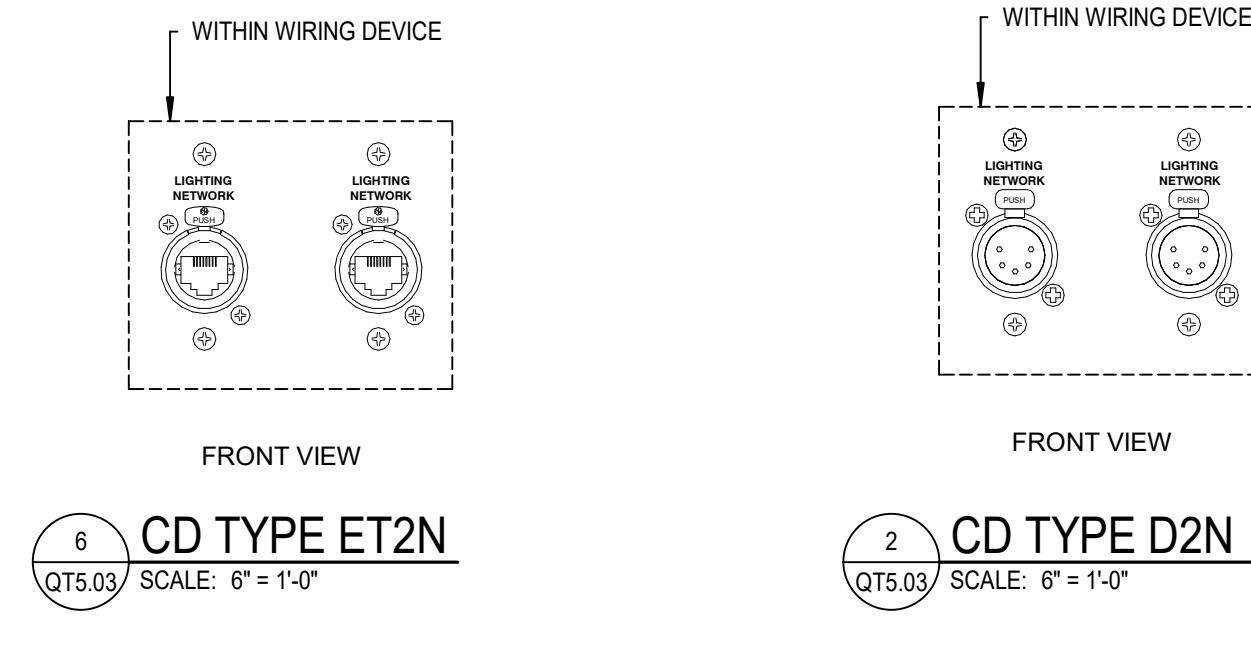
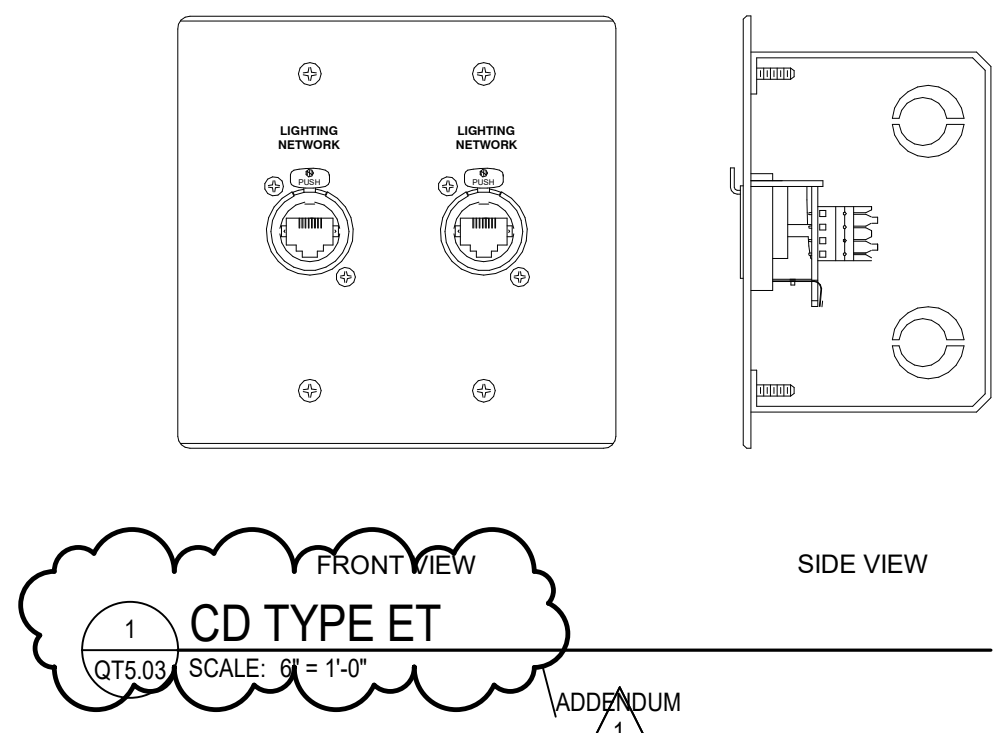
GENERAL NOTES  
1. "VERIFY" = FINAL COLOR SELECTION BY ARCHITECT AND SPECIFIER AT SUBMITTAL PHASE. FOR BIDDING PURPOSES, ASSUME CUSTOM COLOR WITH SAMPLE VERIFICATION.  
2. "MFR" = MANUFACTURER'S DEFAULT COLOR.

| DEVICE NO. | DEVICE TYPE          | DESCRIPTION AND MOUNTING   | COLOR | MOUNTING HEIGHT | LOCATION                               | PORTS |      | FED FROM |
|------------|----------------------|--|-------|-----------------|--|-------|------|----------|
|            |                      |  |       |                 |  | DMX   | R445 |          |
| ALF-01     | FLOOR RACK           | 3BRU LIGHTING NETWORK RACK WITH ARCH LIGHTING CONTROL PROCESSOR. REFER SPECIFICATIONS. | BLACK | FLOOR           | PROJECTION C202                        |       |      | N/A      |
| ALF-11     | WALL RACK - 12RU     | LIGHTING NETWORK RACK WITH ARCH LIGHTING CONTROL PROCESSOR. REFER SPECIFICATIONS.      | BLACK | WALL            |  |       |      | N/A      |
| DEBC-01    | DEBC1                | DMX EMERGENCY BYPASS CONTROLLER 1-PORT   | MFR   | +48" A.F.F.     | PROJECTION C202                        |       |      | ALP-01   |
| DMX-01     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-02     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-03     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-04     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-05     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-06     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-11     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-31     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-32     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-33     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-34     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-35     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-36     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-41     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-42     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-43     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-44     | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| DMX-801    | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-##   |
| DMX-802    | WITHIN WIRING DEVICE | DMX DEVICE, WITHIN WIRING DEVICE, WITH (2) 5-PIN DMX-OUT PORTS                         | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-##   |
| EG-821     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-822     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-823     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-824     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-825     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-826     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-827     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-828     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-829     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-830     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-831     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-832     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-833     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| EG-835     | WITHIN WIRING DEVICE | ETHERNET-TO-DMX GATEWAY, WITHIN WIRING DEVICE  | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 1     |      | ALP-##   |
| ET-01      | SURFACE              | ETHERNET TAP, SURFACE MOUNT, WITH (2) RJ45 JACKS                                       | BLACK | +24" A.F.F.     | PROJECTION C202                        | 2     |      | ALP-##   |
| ET-07      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-08      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-09      | FLUSH                | ETHERNET TAP, FLUSH MOUNT, WITH (2) RJ45 JACKS   | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-11      | SURFACE              | ETHERNET TAP, SURFACE MOUNT, WITH (2) RJ45 JACKS                                       | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-12      | SURFACE              | ETHERNET TAP, SURFACE MOUNT, WITH (2) RJ45 JACKS                                       | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-13      | SURFACE              | ETHERNET TAP, SURFACE MOUNT, WITH (2) RJ45 JACKS                                       | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-14      | FLUSH                | ETHERNET TAP, FLUSH MOUNT, WITH (2) RJ45 JACKS   | BLACK | +24" A.F.F.     | CONTROL BOOTH C106E                    | 2     |      | ALP-01   |
| ET-21      | FLUSH                | ETHERNET TAP, FLUSH MOUNT, WITH (2) RJ45 JACKS   | BLACK | +24" A.F.F.     | PROJECTION C202                        | 2     |      | ALP-01   |
| ET-22      | FLUSH                | ETHERNET TAP, FLUSH MOUNT, WITH (2) RJ45 JACKS   | BLACK | +24" A.F.F.     | PROJECTION C202                        | 2     |      | ALP-01   |
| ET-23      | FLUSH                | ETHERNET TAP, FLUSH MOUNT, WITH (2) RJ45 JACKS   | BLACK | +24" A.F.F.     | PROJECTION C202                        | 2     |      | ALP-01   |
| ET-32      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-35      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-41      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-42      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-43      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-44      | WITHIN WIRING DEVICE | ETHERNET TAP, WITHIN WIRING DEVICE, WITH (2) RJ45 JACKS                                | N/A   | N/A             | WITHIN WIRING DEVICE, REFER WD DETAILS | 2     |      | ALP-01   |
| ET-B12     | SURFACE              | ETHERNET TAP, SURFACE MOUNT, WITH (2) RJ45 JACKS                                       | BLACK | +24" A.F.F.     | LITTLE THEATER CONTROL BOOTH           | 2     |      | ALP-##   |
| WAP-01     | FLUSH                | WIRELESS ACCESS POINT, FLUSH MOUNT   | BLACK | +48" A.F.F.     | CONTROL BOOTH C106E                    |       |      | ALP-01   |

### THEATRICAL HOUSE LIGHT CONTROL STATION SCHEDULE

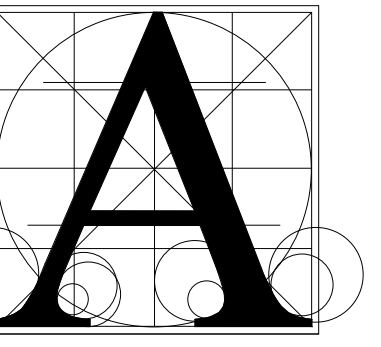
GENERAL NOTES  
1. "VERIFY" = FINAL COLOR SELECTION BY ARCHITECT AND SPECIFIER AT SUBMITTAL PHASE. FOR BIDDING PURPOSES, ASSUME CUSTOM COLOR WITH SAMPLE VERIFICATION.  
2. "MFR" = MANUFACTURER'S DEFAULT COLOR.

| DEVICE NO. | DEVICE TYPE | DESCRIPTION AND MOUNTING  | COLOR  | MOUNTING HEIGHT | LOCATION                                  | INPUTS                |        | FED FROM |
|------------|-------------|---|--------|-----------------|---|-----------------------|--------|----------|
|            |             |   |        |                 |   | PRESETS               | FADERS |          |
| HL-01      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     | AUDITORIUM ENTRY HLC                      | 5                     |        | ALP-01   |
| HL-02      | H2          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (2) PRESET BUTTONS                     | VERIFY | CEILING         | VEST. C106C                               | 2                     |        | ALP-01   |
| HL-03      | H2          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (2) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     | RAMP C106D                                | 2                     |        | ALP-01   |
| HL-04      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     | AUDITORIUM ENTRY HRC                      | 5                     |        | ALP-01   |
| HL-05      | H2          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (2) PRESET BUTTONS                     | VERIFY | CEILING         | VEST. C106F                               | 2                     |        | ALP-01   |
| HL-06      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-01   |
| HL-07      | H3 LC       | HOUSE LIGHT STATION, FLUSH MOUNT COLOR TOUCHSCREEN STATION WITH LOCKING COVER | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-01   |
| HL-08      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-01   |
| HL-09      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-01   |
| HL-10      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-01   |
| HL-11      | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     | AUDITORIUM ENTRY HL                       | 5                     |        | ALP-01   |
| HL-12      | PORTABLE    | HOUSE LIGHT STATION, PORTABLE   | VERIFY | +48" A.F.F.     | LOOSE EQUIPMENT, DELIVER TO CONTROL BOOTH | PORTABLE TOUCH SCREEN |        | ALP-01   |
| HL-B01     | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-##   |
| HL-B02     | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-##   |
| HL-B03     | H3          | HOUSE LIGHT STATION, FLUSH MOUNT COLOR TOUCHSCREEN STATION                    | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-##   |
| HL-B04     | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-##   |
| HL-B05     | H1          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (5) PRESET BUTTONS                     | VERIFY | +48" A.F.F.     |   | 5                     |        | ALP-##   |
| HL-B06     | H2          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (2) PRESET BUTTONS                     | VERIFY | CEILING         |   | 2                     |        | ALP-##   |
| HL-B07     | H2          | HOUSE LIGHT STATION, FLUSH MOUNT, WITH (2) PRESET BUTTONS                     | VERIFY | CEILING         |   | 2                     |        | ALP-##   |
| HL-B11     | H5          | HOUSE LIGHT STATION, SURFACE MOUNT, WITH (5) PRESET BUTTONS                   | VERIFY | +48" A.F.F.     | LITTLE THEATER CONTROL BOOTH              | 5                     |        | ALP-##   |
| HL-B13     | PORTABLE    | HOUSE LIGHT STATION, PORTABLE   | VERIFY | +48" A.F.F.     | LOOSE EQUIPMENT, DELIVER TO CONTROL BOOTH | PORTABLE TOUCH SCREEN |        | ALP-##   |



**ELECTRICAL NOTES**

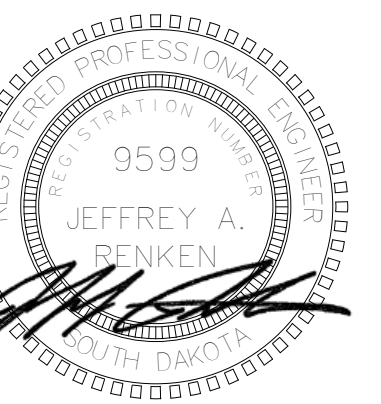
- 1 EXISTING PANEL "PBA".
- 2 EXISTING PANEL "PC2" LOCATED IN SECOND FLOOR PROJECTION ROOM.
- 3 EXISTING DATA RACK LOCATION. TERMINATE NEW DATA CABLES AT THIS LOCATION. PROVIDE NEW MOUNTING HARDWARE AS REQUIRED FOR TERMINATION OF NEW CABLING.
- 4 APPROXIMATE LOCATION OF EXISTING FIRE ALARM CONTROL PANEL (FCI) ON LOWER LEVEL. FIELD VERIFY EXACT LOCATION.



**Architecture  
Incorporated**

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158

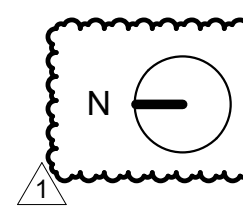
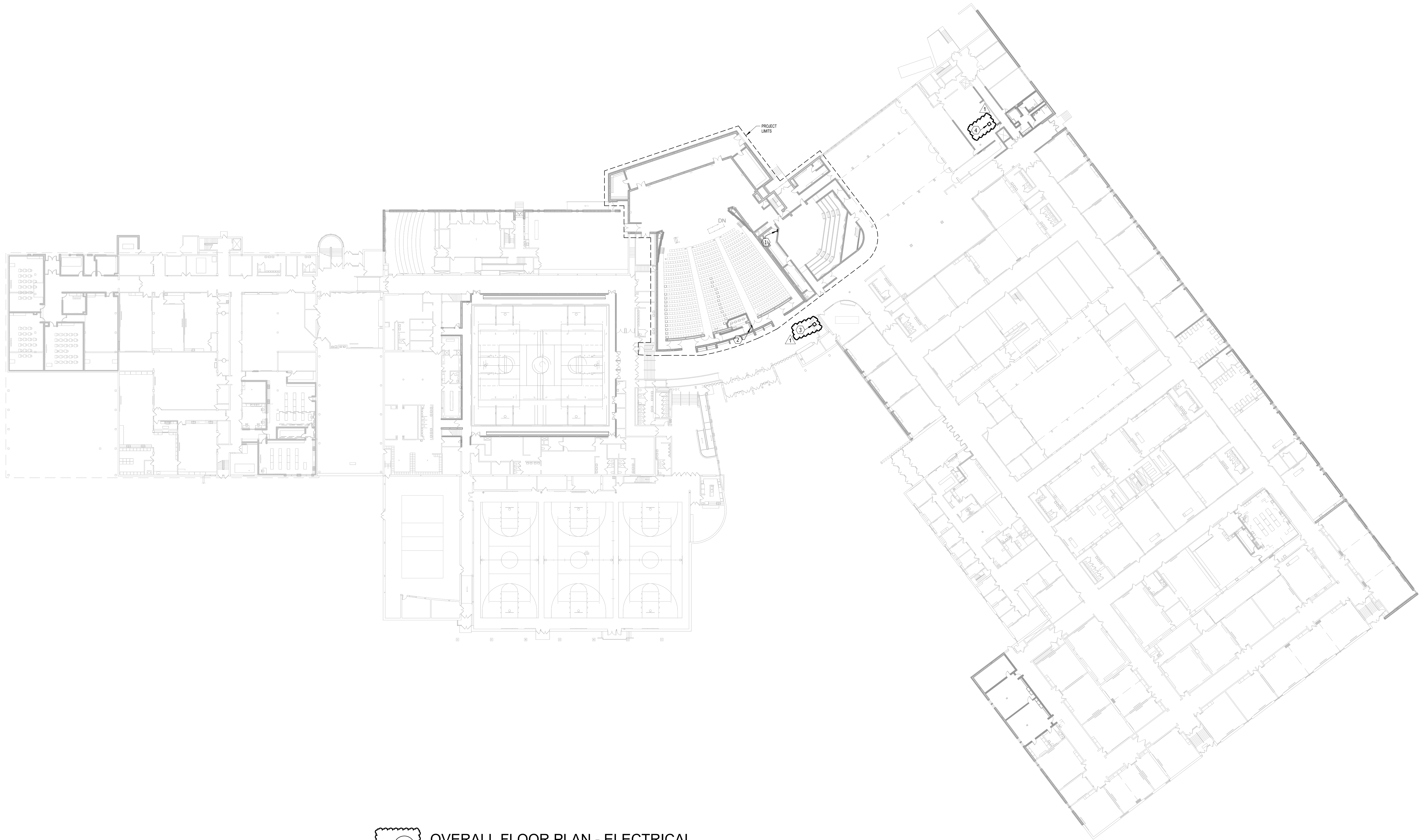


**Associated  
Consulting  
Engineering,  
Incorporated**

340 S. Phillips Ave.  
Sioux Falls, SD 57104

(605) 335-3720  
Fax 335-6220  
E-mail: acei@aceinet.com

ACEI PROJ. #124061



**OVERALL FLOOR PLAN - ELECTRICAL**

SCALE 0 20 40 60 80

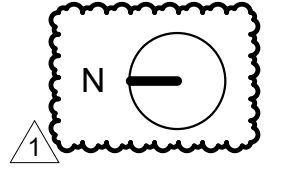
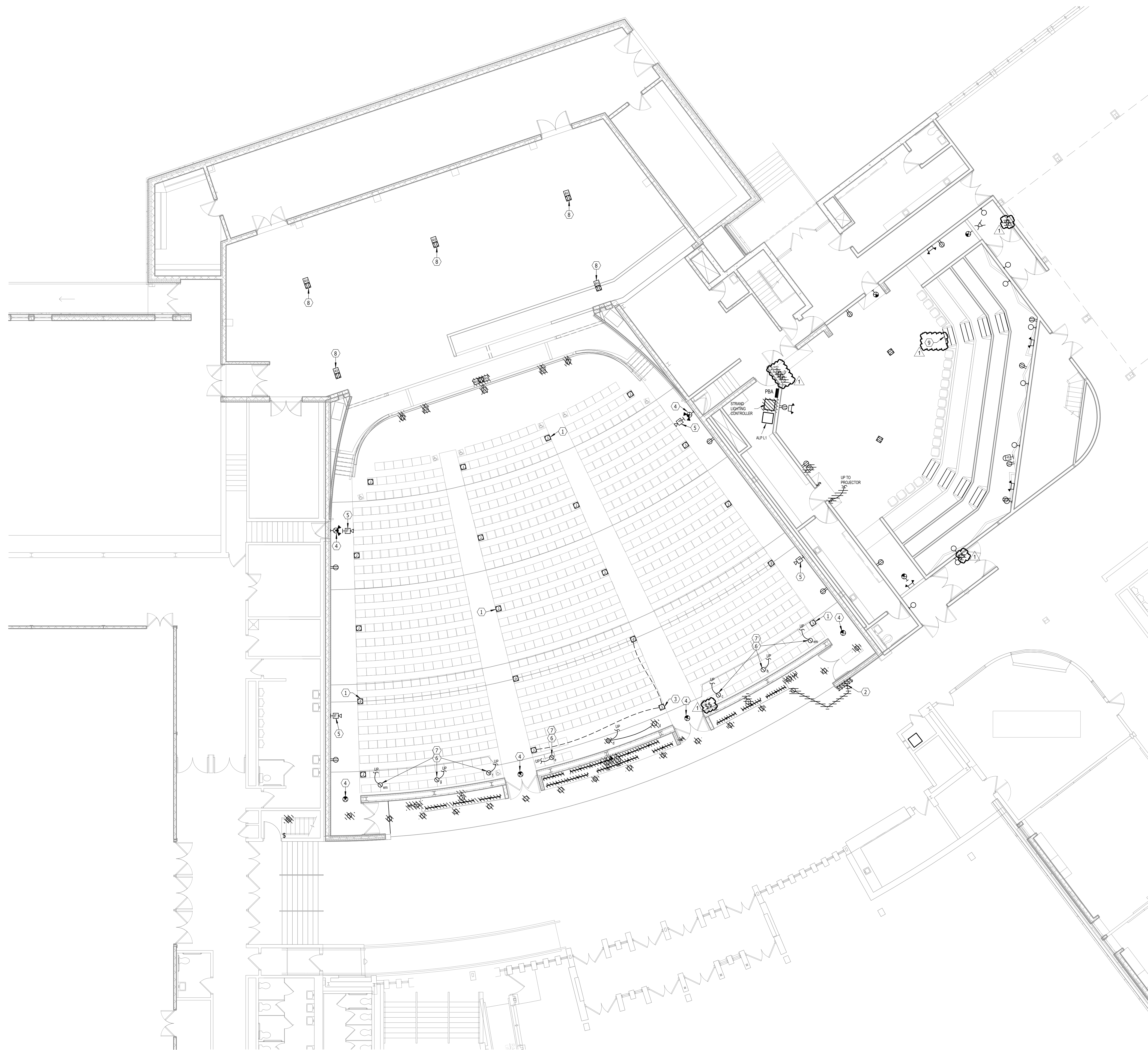
**LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**

**OVERALL FLOOR PLAN - ELECTRICAL**

|         |          |                  |
|---------|----------|------------------|
| Project | number   | 0228.3021.23     |
|         | date     | January 30, 2024 |
|         | revision |                  |
|         | drawn    | KMT              |
|         | checked  | JAR              |
| NO.     | DATE     | DESCRIPTION      |
| 1       | 2-17-25  | Addendum #1      |

**9.10**

2/17/2025 9:35:19 AM



**FIRST FLOOR DEMOLITION PLAN - ELECTRICAL**

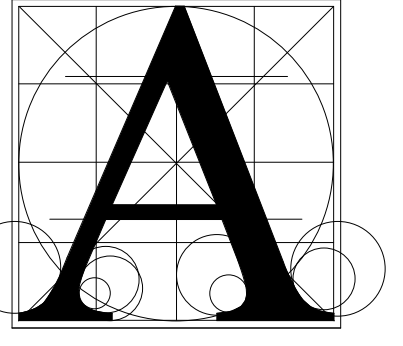
SCALE 0 4 8 12 16

**ELECTRICAL NOTES**

- 1 DISCONNECT AISLE LIGHTS THAT ARE INTEGRAL TO THE EXISTING SEATS, TYPICAL.
- 2 EXISTING KEYED SWITCH TO REMAIN. DISCONNECT EXISTING DOWNLIGHTS AND REUSE TO CONTROL NEW TROPHY CASE FIXTURES.
- 3 DEMO EXISTING JUNCTION BOX AND EXTEND EXISTING RACEWAY AND CONDUCTOR TO NEW WALL MOUNTED TYPE 'A' AISLE LIGHT.
- 4 DEMO EXISTING EXIT LIGHTS, TYPICAL. EXTEND RACEWAY AND CONDUCTOR AS REQUIRED TO INSTALL NEW EXIT LIGHTS TO THE SAME CIRCUITS.
- 5 DEMO EXISTING FIRE ALARM DEVICES (FCI) AND SURFACE MOUNT RACEWAY TO JUNCTION BOX.
- 6 UNDER BASE BID, ALL DOWNLIGHTS ARE TO REMAIN, TYPICAL. CONNECT TO NEW HOUSE DIMMER PANEL WHICH IS FURNISHED BY THEATRICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
- 7 UNDER ALTERNATE NUMBER 1, REPLACE ALL EXISTING DOWNLIGHTS IN AUDITORIUM WITH NEW, TYPICAL. CONNECT NEW TO INTELLIGENT BREAKER PANEL FURNISHED BY THEATRICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR. DMX CONTROL WIRING TO ALL NEW FIXTURES BE PROVIDED BY ELECTRICAL CONTRACTOR.
- 8 DEMO EXISTING FLOOR BOXES. INSTALL NEW FLOOR BOX FURNISHED BY THEATRICAL CONTRACTOR IN SAME LOCATION. COORDINATE CUTTING & PATCHING WITH GENERAL CONTRACTOR.
- 9 EXISTING STEP LIGHTS TO REMAIN, TYPICAL.

**GENERAL DEMOLITION SHEET NOTES**

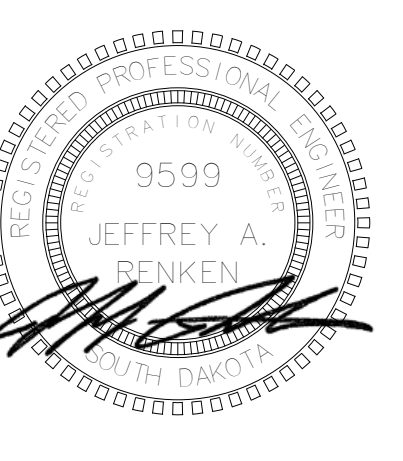
- A. DEMO HATCHED ITEMS.
- B. PERFORM ALL DEMOLITION WORK AS REQUIRED AND REMODELING WORK AS SHOWN ON THE DRAWINGS INCLUDING MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- C. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND SHOULD HAVE VISITED THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE/SHE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS/HER PART.
- D. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATIONS OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC. IN EXISTING AREA ARE APPROXIMATE ONLY (FIELD VERIFY).
- E. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE SURFACE MOUNTED, MULTI-OUTLET RACEWAY, PANDUIT T70 SERIES. EXISTING RUNS SHALL BE VERIFIED.
- F. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED. OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES, IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
- G. OUTLETS FROM WHICH FIXTURES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF NOT POSSIBLE, PROVIDED WITH A BLANK PLATE ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC. ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
- H. WHERE EXISTING LIGHT FIXTURES ARE TO BE RE-USED, THE CONTRACTOR SHALL CLEAN THE FIXTURES AND REPLACE LAMPS. THE CONTRACTOR SHALL ALSO REPAIR OR REPLACE DEFECTIVE PARTS, INCLUDING LENSES, BALLASTS, ETC. AS REQUIRED SO THAT THE FIXTURES ARE FUNCTIONING CORRECTLY.
- I. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, SO THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.
- J. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, INTO A CRAWL SPACE OR ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED.
- K. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC. AS REQUIRED.
- L. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
- M. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- N. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
- O. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SELECTED SALVAGE ITEMS. ALL OTHER ITEMS SHALL BE THE CONTRACTORS RESPONSIBILITY FOR LEGAL DISPOSAL.



**Architecture Incorporated**

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158



**Associated Consulting Engineering, Incorporated**  
340 S. Phillips Ave.  
Sioux Falls, SD 57104  
(605) 335-3720  
Fax 335-6220  
E-mail: acei@aceinet.com  
ACEI PROJ. #124061

**LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**  
**FIRST FLOOR DEMOLITION PLAN - ELECTRICAL**

|         |          |                  |
|---------|----------|------------------|
| Project | number   | 0228.3021.23     |
|         | date     | January 30, 2024 |
|         | revision |                  |
| drawn   | KMT      | checked JAR      |
| NO.     | DATE     | DESCRIPTION      |
| 1       | 2-17-25  | Addendum #1      |

**9.21**



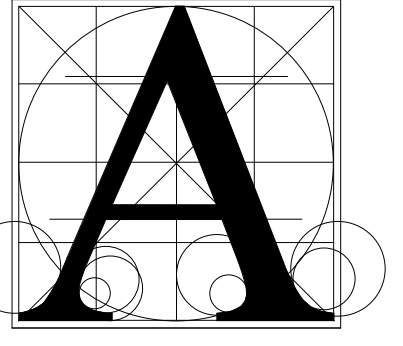
**UPPER FLOOR DEMOLITION PLAN - ELECTRICAL**  
 SCALE 0 4 8 12 16

**ELECTRICAL NOTES**

- 1 REMOVE SWITCH FOR CATWALK LIGHTING. REINSTALL NEW SWITCH AS SHOWN.
- 2 REMOVE SWITCH FOR EXHAUST FAN. REINSTALL NEW SWITCH AS SHOWN.
- 3 UNDER BASE BID, ALL DOWNLIGHTS ARE TO REMAIN. TYPICAL. CONNECT TO NEW HOUSE DIMMER PANEL WHICH IS FURNISHED BY THEATRICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR.
- 4 UNDER ALTERNATE NUMBER 1, PROVIDE NEW DOWNLIGHTS IN AUDITORIUM. TYPICAL. CONNECT NEW TO INTELLIGENT BREAKER PANEL FURNISHED BY THEATRICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR. DMX CONTROL WIRING TO ALL NEW DOWNLIGHTS BE PROVIDED BY ELECTRICAL CONTRACTOR.
- 5 EXISTING SENSOR PLUS THEATRICAL DIMMING RACK. DEMO ALL CONNECTED THEATRICAL LIGHTS AND CONDUCTORS TO THE EXTENT POSSIBLE. THEATRICAL LIGHTS NOT SHOWN ON PLANS. FIELD VERIFY CONDITIONS. SALVAGE THEATRICAL LIGHTS TO OWNER.
- 6 EXISTING UNIFORM LIGHTING CONTROL RACK FOR HOUSE LIGHTS.
- 7 EXISTING HOUSE LIGHTS IN THIS ROOM TO REMAIN. SHOWN FOR REFERENCE ONLY.
- 8 EXISTING SOUND SYSTEM RACK. DEMO ALL CONNECTED SPEAKER WIRES AND SPEAKERS TO THE EXTENT POSSIBLE. NOT ALL SPEAKERS SHOWN. FIELD VERIFY CONDITIONS.
- 9 COORDINATE CEILING PATCHING WITH GENERAL CONTRACTOR.

**GENERAL DEMOLITION SHEET NOTES**

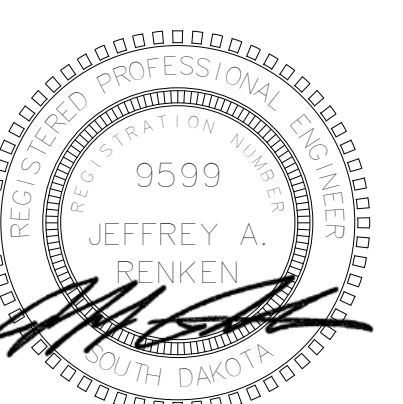
- A. DEMO HATCHED ITEMS.
- B. PERFORM ALL DEMOLITION WORK AS REQUIRED AND REMODELING WORK AS SHOWN ON THE DRAWINGS INCLUDING MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- C. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND SHOULD HAVE HAD VISITED THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE/SHE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS/HER PART.
- D. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATIONS OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC. IN EXISTING AREA ARE APPROXIMATE ONLY (FIELD VERIFY).
- E. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE SURFACE MOUNTED, MULTI-OUTLET RACEWAY, PANDUIT T70 SERIES. EXISTING RUNS SHALL BE VERIFIED.
- F. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED. OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES, IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
- G. OUTLETS FROM WHICH FIXTURES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF NOT POSSIBLE, PROVIDED WITH A BLANK PLATE ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC. ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
- H. WHERE EXISTING LIGHT FIXTURES ARE TO BE RE-USED, THE CONTRACTOR SHALL CLEAN THE FIXTURES AND REPLACE LAMPS. THE CONTRACTOR SHALL ALSO REPAIR OR REPLACE DEFECTIVE PARTS, INCLUDING LENSES, BALLASTS, ETC. AS REQUIRED SO THAT THE FIXTURES ARE FUNCTIONING CORRECTLY.
- I. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, SO THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.
- J. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, INTO A CRAWL SPACE OR ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED.
- K. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC. AS REQUIRED.
- L. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
- M. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- N. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
- O. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SELECTED SALVAGE ITEMS. ALL OTHER ITEMS SHALL BE THE CONTRACTORS RESPONSIBILITY FOR LEGAL DISPOSAL.



**Architecture Incorporated**

415 South Main Avenue  
 P.O. Box 2140  
 Sioux Falls, South Dakota  
 Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
 P.O. Box 8047  
 Rapid City, South Dakota  
 Phone: (605) 721-1158



**Associated Consulting Engineering, Incorporated**  
 340 S. Phillips Ave.  
 Sioux Falls, SD 57104  
 (605) 335-3720  
 Fax 335-6220  
 E-mail: acei@aceinet.com  
 ACEI PROJ. #124061

**LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**  
**UPPER DEMOLITION FLOOR PLANS - ELECTRICAL**

|         |          |                  |
|---------|----------|------------------|
| Project | number   | 0228.3021.23     |
|         | date     | January 30, 2024 |
|         | revision |                  |
| drawn   | KMT      | checked JAR      |
| NO.     | DATE     | DESCRIPTION      |
| 1       | 2-17-25  | Addendum #1      |

**9.22**

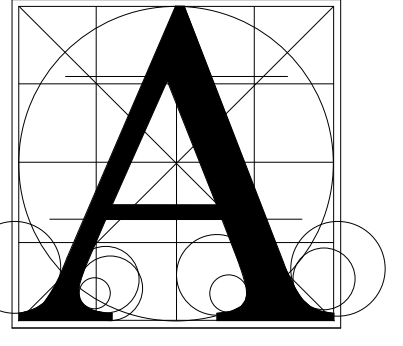
2/17/2025 9:35:21 AM



**FIRST FLOOR PLAN - LIGHTING**  
SCALE 0 4 8 12 16

**ENLARGED TROPHY CASE DETAIL**  
SCALE 0 4 8 12 16

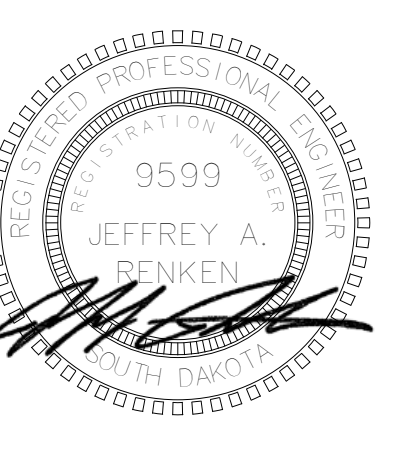
- ELECTRICAL NOTES**
- 1 PROVIDE CONNECTIONS TO AISLE LIGHTS BUILT INTO THEATER SEATING CURSORS. PROVIDE TYPICAL UNDERGROUND RACEWAY AND CONDUIT TO NEW TYPICAL LIGHT FIXTURE.
  - 2 RECONNECT NEW EXIT LIGHTS TO SAME CIRCUIT THAT WAS SERVING EXISTING TYPICAL.
  - 3 UNDER BASE BID, CONNECT TO SPARE CARD IN LCP-A02 WITH 8 OUTPUTS. UNDER ALTERNATE, CONNECT TO NEW CIRCUIT IN HOUSE LIGHTS INTELLIGENT BREAKER PANEL.
  - 4 RECONNECT TO CIRCUIT PREVIOUSLY SERVING TROPHY CASE LIGHTS.
  - 5 WALL STATION FOR CONTROLLING "HOUSE" LIGHTS. STATION I.D. NUMBER AS INDICATED. SEE HOUSE LIGHTING STATION SCHEDULE ON SHEET QTS.03. TYPICAL.
  - 6 LIGHTING CONTROL DEVICE FOR CONTROLLING "HOUSE" LIGHTS. STATION I.D. NUMBER AS INDICATED. SEE HOUSE LIGHTING STATION SCHEDULE ON SHEET QTS.03. TYPICAL.
  - 7 THEATRICAL LIGHTING WIRING DEVICE. I.D. NUMBER AS INDICATED. PROVIDE POWER CIRCUITS INDICATED WITH SEPARATE NEUTRALS. PROVIDE QUANTITY OF DATA DROPS INDICATED, WHICH SHALL TERMINATE AT THEATER CONTROL EQUIPMENT IN PROJECTION C202. SEE STAGE LIGHTING WIRE DEVICE SCHEDULE ON SHEET QTS.01. TYPICAL. WITHIN AUDITORIUM C106.
  - 8 OVERHEAD RAIL INDEX LIGHTS PROVIDED BY RIGGING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE TWO (2) 120V, 20A/1P BRANCH CIRCUITS, ONE FOR "WHITE" LIGHT AND ONE FOR "BLUE" LIGHT, EACH CONTROLLED BY A WALL DIMMER SWITCH AS SHOWN. COORDINATE REQUIREMENTS WITH RIGGING CONTRACTOR.
  - 9 UNDER BASE BID, ALL DOWNLIGHTS ARE TO REMAIN. TYPICAL. CONNECT TO NEW HOUSE DIMMER PANEL WHICH IS FURNISHED BY THEATRICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR.
  - 10 UNDER ALTERNATE NUMBER 1, PROVIDE NEW DOWNLIGHTS IN AUDITORIUM. TYPICAL. CONNECT NEW TO INTELLIGENT BREAKER PANEL FURNISHED BY THEATRICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR. DMX CONTROL WIRING TO ALL NEW FIXTURES BE PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE CEILING PATCHING WITH GENERAL CONTRACTOR.
  - 11 INSTALL NEW FLOOR BOX FURNISHED BY THEATRICAL CONTRACTOR. COORDINATE CUTTING & PATCHING WITH GENERAL CONTRACTOR.
  - 12 INSTALL OCCUPANCY SENSOR FURNISHED BY THEATRICAL CONTRACTOR FOR CONTROLLING "HOUSE" LIGHTS. STATION I.D. NUMBER AS INDICATED. SEE HOUSE LIGHTING STATION SCHEDULE ON SHEET QTS.03. TYPICAL.
  - 13 THEATRICAL LIGHTING WIRING DEVICE. I.D. NUMBER AS INDICATED. PROVIDE POWER CIRCUITS INDICATED WITH SEPARATE NEUTRALS. PROVIDE QUANTITY OF DATA DROPS INDICATED, WHICH SHALL TERMINATE AT THEATER CONTROL EQUIPMENT IN STORAGE B102-B. SEE STAGE LIGHTING WIRE DEVICE SCHEDULE ON SHEET QTS.01. TYPICAL WITHIN SMALL THEATER ROOM B102.
  - 14 UNDER ALTERNATE NUMBER 1, REWIRE THIS CIRCUIT THRU INVERTER "INV-EM" VIA A BACELTS DEVICE. SEE THEATRICAL LIGHTING POWER & CONTROL RISER DIAGRAM.
  - 15 TO EXISTING EMERGENCY LIGHTING CIRCUIT IN PROJECTION ROOM.
- GENERAL SHEET NOTES**
- A. SEE AV DRAWINGS FOR ADDITIONAL DETAILS.



**Architecture Incorporated**

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158



**Associated Consulting Engineering, Incorporated**

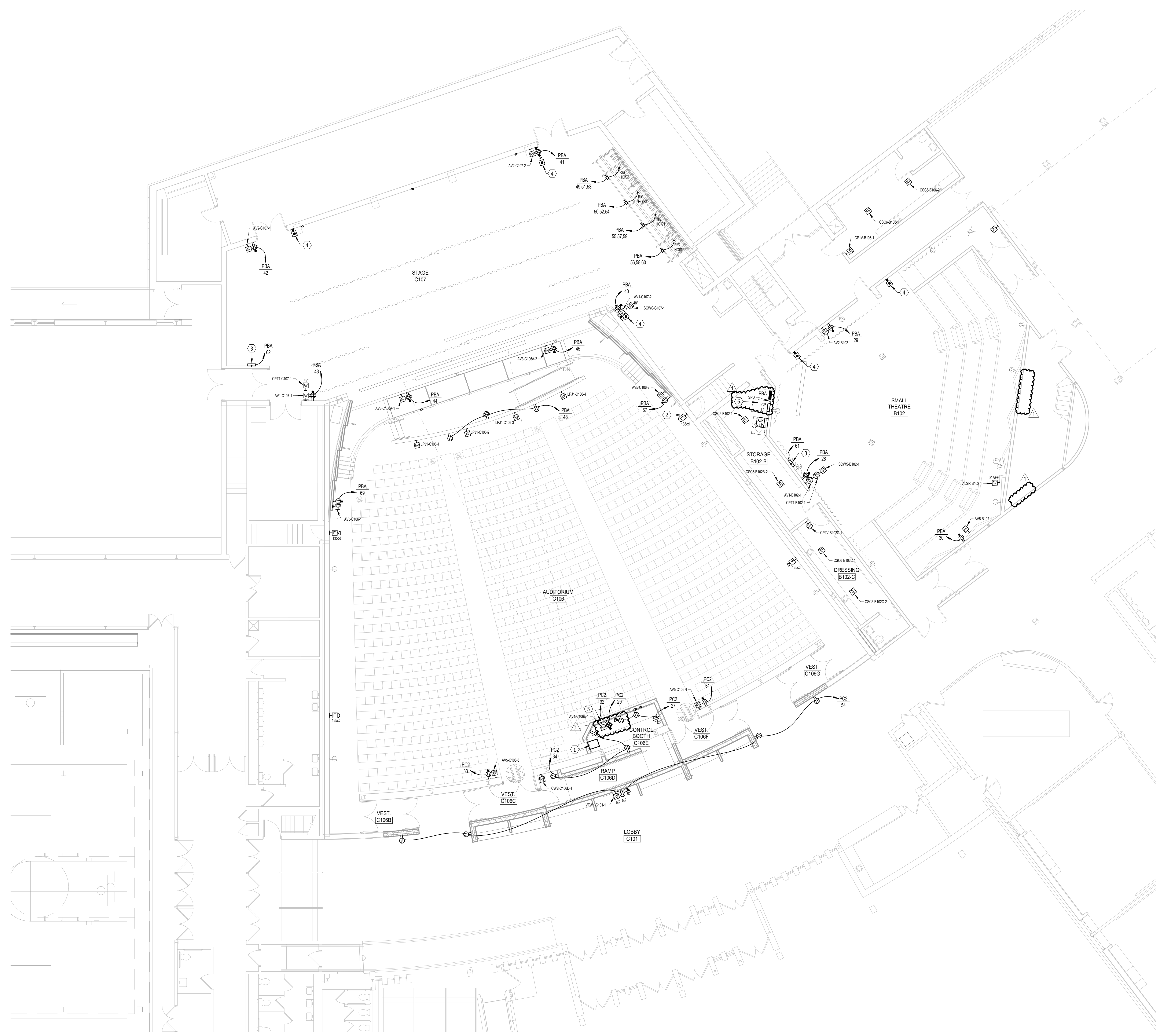
340 S. Phillips Ave.  
Sioux Falls, SD 57104  
(605) 335-3720  
Fax 335-6220  
E-mail: acei@aceinet.com  
ACEI PROJ. #124061

**LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**  
**FIRST FLOOR PLAN - LIGHTING**

|         |          |                  |
|---------|----------|------------------|
| Project | number   | 0228.3021.23     |
|         | date     | January 30, 2024 |
|         | revision |                  |
|         | drawn    | KMT checked JAR  |
| NO.     | DATE     | DESCRIPTION      |
| 1       | 2-17-25  | Addendum #1      |

**9.30**

2/17/2025 9:35:23 AM

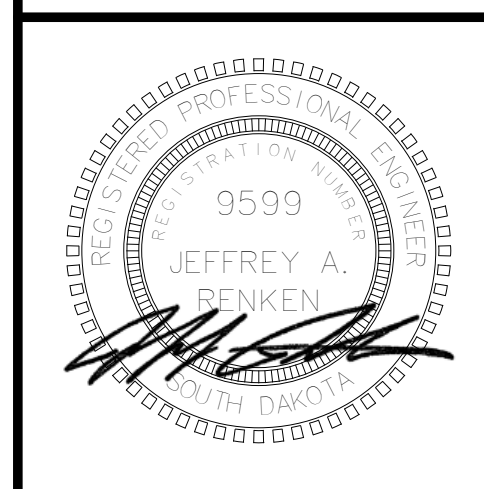


**FIRST FLOOR PLAN - POWER & SIGNAL**  
 SCALE 0 4 8 12 16

- ELECTRICAL NOTES**
- 1 AV EQUIPMENT RACK
  - 2 PROVIDE NEW FIRE ALARM DEVICE TO MATCH EXISTING (FC). INSTALL AT EXISTING JUNCTION BOX HEIGHT WITHOUT ANY SURFACE MOUNTED RACEWAY. TYPICAL
  - 3 RIGGING MOTOR CONTROL PANEL WITH E-STOP AND PENDANT RECEPTACLE. SEE DETAIL ON SHEET E9.42
  - 4 HOIST E-STOP. SEE DETAIL ON SHEET E9.42
  - 5 PROVIDE CABLE MANAGEMENT TO AV RACK
  - 6 REMOVE (3) HOUSE LIGHT CIRCUITS FROM PANEL PBA AND CONNECT TO LIGHTING CONTROL PANEL BOARD LCP-801
- GENERAL SHEET NOTES**
- A ALL NEW RECEPTACLES TO BE TAMPER RESISTANT IN ACCORDANCE WITH NEC AND LOCAL CODE REQUIREMENTS.
  - B SEE AV DRAWINGS FOR ADDITIONAL DETAILS.
  - C SEE AV DRAWING TAT.01 FOR BACKBOX DETAILS, MOUNTING HEIGHTS & DETAILS, CONDUIT SIZES & QUANTITIES AND ROUTING INFORMATION. COORDINATE ALL DETAILS WITH AV CONTRACTOR BEFORE INSTALLATION.
  - D TELECOMMUNICATIONS OUTLETS TO BE COMPRISED OF (2) TWO DATA DROPS UNLESS OTHERWISE NOTED. CABLING TO BE CAT 6. PROVIDE ALL CONNECTIONS AND ASSOCIATED ITEMS AS REQUIRED FOR SYSTEM INTEGRITY. SEE SPECIFICATIONS.

**Architecture Incorporated**  
 415 South Main Avenue  
 P.O. Box 2140  
 Sioux Falls, South Dakota  
 Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
 P.O. Box 8047  
 Rapid City, South Dakota  
 Phone: (605) 721-1158



**Associated Consulting Engineering, Incorporated**  
 340 S. Phillips Ave.  
 Sioux Falls, SD 57104  
 (605) 335-3720  
 Fax 335-6220  
 E-mail: acei@aceinet.com  
 ACEI PROJ. #124061

**LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**  
**FIRST FLOOR PLAN - POWER & SIGNAL**

|         |          |                  |
|---------|----------|------------------|
| Project | number   | 0228.3021.23     |
|         | date     | January 30, 2024 |
|         | revision |                  |
|         | drawn    | KMT              |
|         | checked  | JAR              |
| NO.     | DATE     | DESCRIPTION      |
| 1       | 2-17-25  | Addendum #1      |



2/17/2025 9:35:25 AM



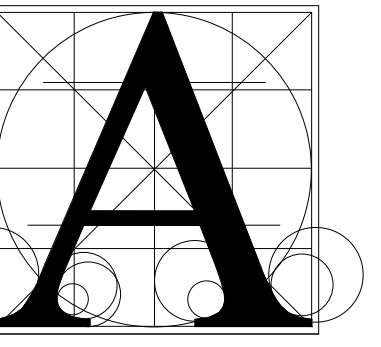
**UPPER FLOOR PLAN - LIGHTING**  
 SCALE 0 4 8 12 16

**ELECTRICAL NOTES**

- 1 NEW CATWALK LIGHT SWITCH.
- 2 RECONNECT TO SAME CIRCUIT THAT WAS PREVIOUSLY SERVING THIS SPACE.
- 3 LIGHTING CONTROL DEVICE FOR CONTROLLING 'HOUSE' LIGHTS. STATION I.D. NUMBER AS INDICATED. SEE HOUSE LIGHTING STATION SCHEDULE ON SHEET QTS.03. TYPICAL.
- 4 UNDER BASE BID, ALL DOWNLIGHTS ARE TO REMAIN. TYPICAL. CONNECT TO NEW HOUSE DIMMER PANEL WHICH IS FURNISHED BY THEATRICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR.
- 5 UNDER ALTERNATE NUMBER 1, PROVIDE NEW DOWNLIGHTS IN AUDITORIUM. TYPICAL. CONNECT NEW TO INTELLIGENT BREAKER PANEL FURNISHED BY THEATRICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR. DMX CONTROL WIRING TO ALL NEW FIXTURES BE PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE CEILING PATCHING WITH GENERAL CONTRACTOR.
- 6 THEATRICAL LIGHTING WIRING DEVICE. I.D. NUMBER AS INDICATED. PROVIDE POWER CIRCUITS INDICATED WITH SEPARATE NEUTRALS. PROVIDE QUANTITY OF DATA DROPS INDICATED. WHICH SHALL TERMINATE AT THEATER CONTROL EQUIPMENT IN PROJECTION C202. SEE STAGE LIGHTING WIRE DEVICE SCHEDULE ON SHEET QTS.01. TYPICAL. WITHIN AUDITORIUM C106.
- 7 THEATRICAL LIGHTING WIRING DEVICE. I.D. NUMBER AS INDICATED. PROVIDE POWER CIRCUITS INDICATED WITH SEPARATE NEUTRALS. PROVIDE QUANTITY OF DATA DROPS INDICATED. WHICH SHALL TERMINATE AT THEATER CONTROL EQUIPMENT IN STORAGE B102-B. SEE STAGE LIGHTING WIRE DEVICE SCHEDULE ON SHEET QTS.01. TYPICAL WITHIN SMALL THEATER ROOM B102.
- 8 UNDER ALTERNATE NUMBER 1, CONNECT ADDITIONAL TYPE H FIXTURES TO THE MAIN ELECTRICAL PANEL FROM UPPER FLOOR AS SHOWN.
- 9 GRIDIRON JUNCTION BOX. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH THEATER CONTRACTOR.

**GENERAL SHEET NOTES**

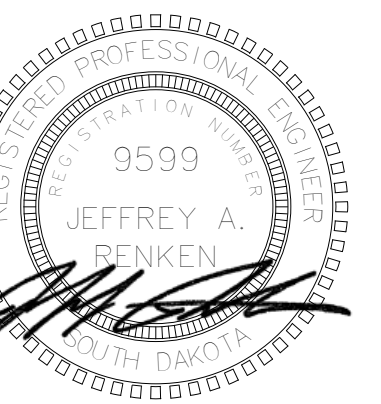
- A. SEE AV DRAWINGS FOR ADDITIONAL DETAILS.



**Architecture  
Incorporated**

415 South Main Avenue  
P.O. Box 2140  
Sioux Falls, South Dakota  
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
P.O. Box 8047  
Rapid City, South Dakota  
Phone: (605) 721-1158



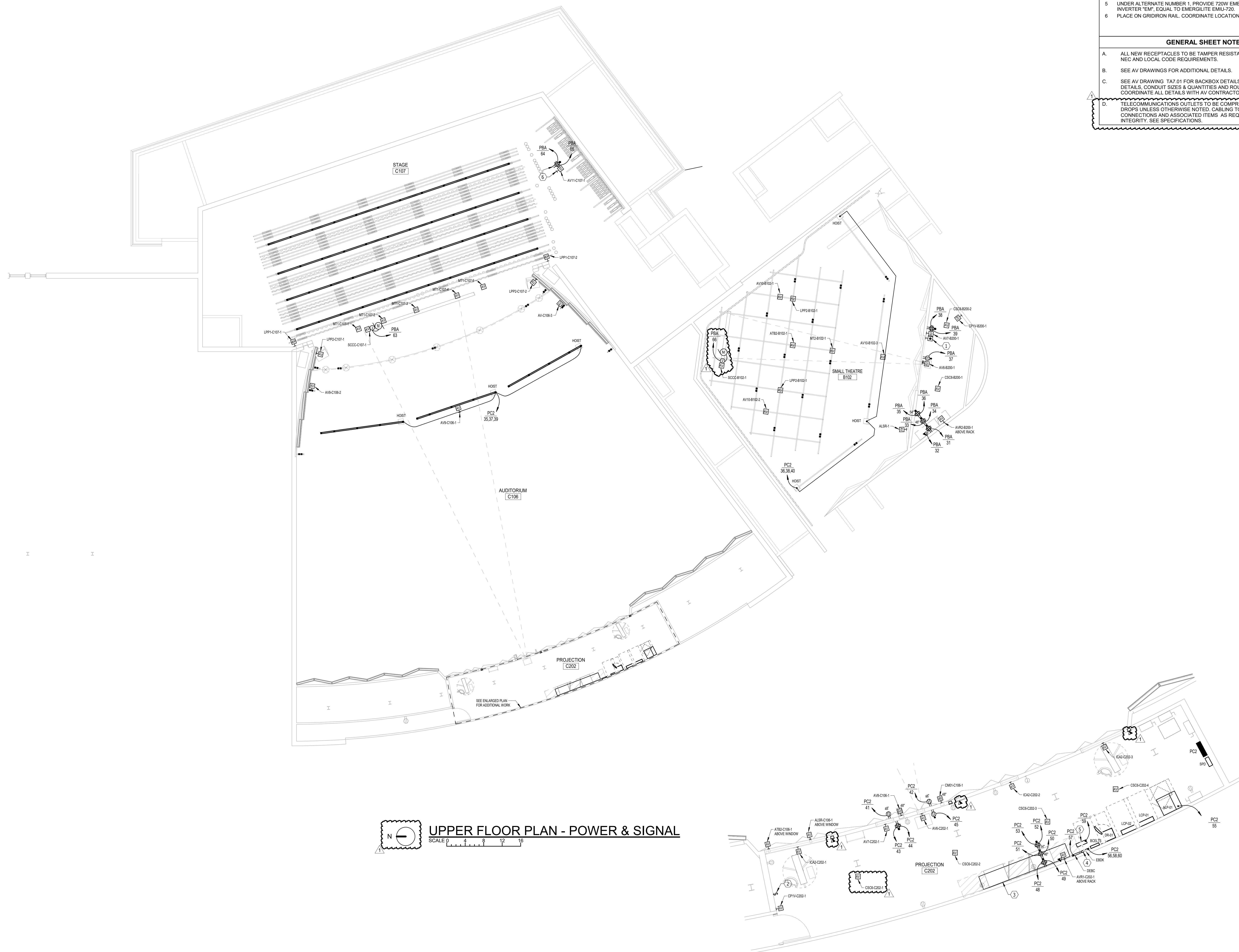
**Associated  
Consulting  
Engineering,  
Incorporated**

340 S. Phillips Ave.  
Sioux Falls, SD 57104  
(605) 335-3720  
Fax 335-6220  
E-mail: acei@aceinet.com  
ACEI PROJ. #124061

Project **LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**

Sheet Contents **UPPER FLOOR PLAN - LIGHTING**

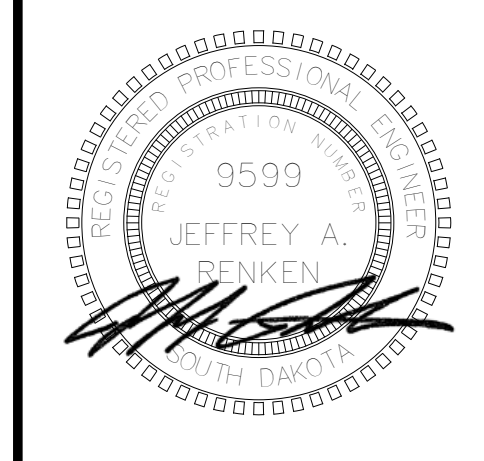
|          |                  |             |
|----------|------------------|-------------|
| number   | 0228.3021.23     |             |
| date     | January 30, 2024 |             |
| revision |                  |             |
| drawn    | KMT checked JAR  |             |
| NO.      | DATE             | DESCRIPTION |
| 1        | 2-17-25          | Addendum #1 |



- ELECTRICAL NOTES**
- 1 HOIST E-STOP. SEE DETAIL ON SHEET E9.42.
  - 2 RELOCATED EXHAUST FAN SWITCH.
  - 3 PROVIDE 18" WIDE LADDER RACKING ABOVE AV RACK.
  - 4 PROVIDE FIRE ALARM CONNECTION TO EBDK.
  - 5 UNDER ALTERNATE NUMBER 1, PROVIDE 720W EMERGENCY LIGHTING INVERTER "EM", EQUAL TO EMERGLITE EMU-720
  - 6 PLACE ON GRIDIRON RAIL. COORDINATE LOCATION IN FIELD.
- GENERAL SHEET NOTES**
- A. ALL NEW RECEPTACLES TO BE TAMPER RESISTANT IN ACCORDANCE WITH NEC AND LOCAL CODE REQUIREMENTS.
  - B. SEE AV DRAWINGS FOR ADDITIONAL DETAILS.
  - C. SEE AV DRAWING T47.01 FOR BACKBOX DETAILS, MOUNTING HEIGHTS & DETAILS, CONDUIT SIZES & QUANTITIES AND ROUTING INFORMATION. COORDINATE ALL DETAILS WITH AV CONTRACTOR BEFORE INSTALLATION.
  - D. TELECOMMUNICATIONS OUTLETS TO BE COMPRISED OF (2) TWO DATA DROPS UNLESS OTHERWISE NOTED. CABLING TO BE CAT 6. PROVIDE ALL CONNECTIONS AND ASSOCIATED ITEMS AS REQUIRED FOR SYSTEM INTEGRITY. SEE SPECIFICATIONS.

**Architecture Incorporated**  
 415 South Main Avenue  
 P.O. Box 2140  
 Sioux Falls, South Dakota  
 Phone: (605) 339-1711

815 St. Joseph Street, Suite 203  
 P.O. Box 8047  
 Rapid City, South Dakota  
 Phone: (605) 721-1158



**Associated Consulting Engineering, Incorporated**  
 340 S. Phillips Ave.  
 Sioux Falls, SD 57104  
 (605) 335-3720  
 Fax 335-6220  
 E-mail: acei@aceinet.com  
 ACEI PROJ. #124061

**LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION**

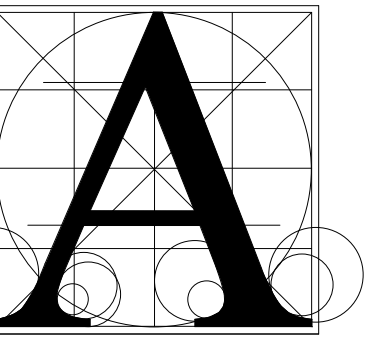
**UPPER FLOOR PLAN - POWER & SIGNAL**

Project: 0228.3021.23  
 date: January 30, 2024  
 revision:  
 drawn: KMT checked: JAR  
 NO. DATE DESCRIPTION  
 1 2-17-25 Addendum #1

**UPPER FLOOR PLAN - POWER & SIGNAL**  
 SCALE 0 4 8 12 16

**ENLARGED PROJECTION C202 - POWER & SIGNAL**  
 SCALE 0 2 4 6 8

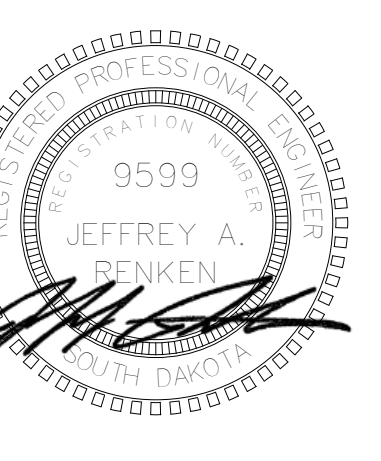
2/17/2025 9:35:27 AM



Architecture Incorporated

415 South Main Avenue P.O. Box 2140 Sioux Falls, South Dakota Phone: (605) 339-1711

815 St. Joseph Street, Suite 203 P.O. Box 8047 Rapid City, South Dakota Phone: (605) 721-1158



Associated Consulting Engineering, Incorporated 340 S. Phillips Ave. Sioux Falls, SD 57104 (605) 335-3720 Fax 335-6220 E-mail: ace@aceinc.net ACEI PROJ #124061

LIGHTING FIXTURE SCHEDULE

Table with columns: Project Name, MFR, NUMBER, LAMPS, VOLTS, DESCRIPTION, NOTES. Lists various lighting fixtures like EMER-LITE, PORTFOLIO, HALO JUNO, etc.

- NOTES: 1. REPLACE EXISTING J-BOX WITH DEEP J-BOX AS REQUIRED TO ACCOMMODATE BATTERY BACKUP. 2. PROVIDE ALL REQUIRED CONNECTORS, ENDCAPS, AND POWER SUPPLIES FOR A FUNCTIONAL SYSTEM. 3. SEE FLOOR PLANS AND ARCHITECTURAL DETAILS FOR LOCATIONS AND LAYOUT. 4. COORDINATE MOUNTING HEIGHT TO MATCH AISLE LIGHTS BUILT INTO THEATER SEATING. 5. MOUNT SO THE TOP OF FIXTURE IS AT 16" ABOVE FINISHED FLOOR.

FEEDER SCHEDULE

Table with columns: MARK (AMPS), 4-WIRE FEEDER (PH, GND, C), 3-WIRE FEEDER (PH, GND, C), "K" RATED 4-WIRE FEEDER (PH, N, GND, C), MARK (AMPS). Lists various feeder configurations and their ratings.

MOTOR & APPLIANCE FEEDER SCHEDULE (100 Amps & Less)

Table with columns: MARK (AMPS), MOTOR LOAD (HP), 4-WIRE FEEDER (PH, GND, C), 3-WIRE FEEDER (PH, GND, C), MARK (AMPS). Lists motor and appliance feeder specifications.

- NOTES: 1. FEEDERS SHALL BE 4-WIRE, UNLESS DENOTED WITH "-3W" WHICH SHALL BE 3-WIRE (3W). 2. SERVICE ENTRANCE CONDUCTORS SHALL NOT BE PROVIDED WITH GROUND CONDUCTOR. 3. ALL FEEDERS SHALL HAVE EQUIPMENT GROUND CONDUCTOR. 4. NEUTRAL SHALL BE SAME SIZE AS PHASE CONDUCTOR, UNLESS OTHERWISE NOTED. 5. CONDUCTOR SIZES FOR FEEDERS OVER 40A ARE BASED ON TERMINATIONS TO EQUIPMENT LISTED FOR 75°C. INCREASE FEEDER SIZES AS REQUIRED FOR TERMINATIONS TO EQUIPMENT NOT LISTED FOR 75°C. 6. RACEWAY AND CONDUCTOR SIZING IS BASED ON THE USE OF THHN/THWN COPPER CONDUCTORS AND EMT CONDUIT. MODIFY RACEWAY AND CONDUCTOR SIZING AS REQUIRED FOR THE USE OF OTHER RACEWAY AND CONDUCTOR TYPES. 7. SEE SPECIFICATIONS FOR ALLOWABLE CONDUCTOR MATERIAL, INSULATION AND RACEWAY TYPES. WHERE ALUMINUM CONDUCTORS ARE ALLOWED THE AMPACITY RATING OF THE SERVICE OR FEEDER SHALL BE EQUAL TO OR GREATER THAN THE CALCULATED AMPACITY RATING OF THE COPPER CONDUCTORS SHOWN IN THIS SCHEDULE. 8. NOT ALL FEEDER SIZES SHOWN IN THIS SCHEDULE ARE USED IN THIS PROJECT.

ELECTRICAL SYMBOL LEGEND

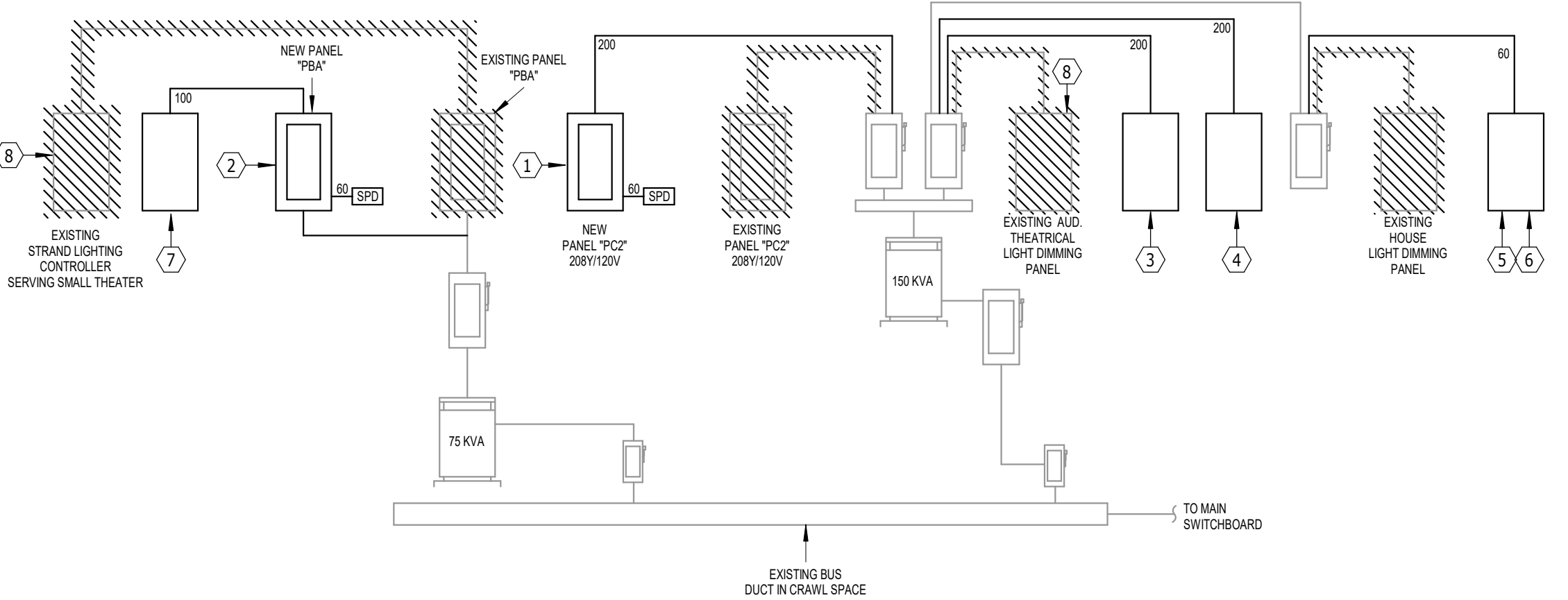
Table with columns: HT AFF, SYMBOL, DESCRIPTION. Lists various electrical symbols and their corresponding descriptions, such as SURFACE LIGHT, RECEPT ON CORD DROP, etc.

ELECTRICAL ABBREVIATIONS LIST

Table with columns: ABBREVIATION, DESCRIPTION. Lists various electrical abbreviations and their meanings, such as 1P, 1P, 1P, 1P, etc.

ELECTRICAL NOTES

- 1. REPLACE EXISTING PANEL PCB WITH NEW. REFEED ALL EXISTING CIRCUITS TO REMAIN. SEE PANELBOARD SCHEDULE. 2. REPLACE EXISTING PANEL PBA WITH NEW. REFEED ALL EXISTING CIRCUITS TO REMAIN. SEE PANELBOARD SCHEDULE. 3. LIGHTING CONTROL PANELBOARD 'LCP-A01'. 4. LIGHTING CONTROL PANELBOARD 'LCP-A02'. 5. DIMMER RACK 'DR-1' UNDER BASE BID. REFEED ALL EXISTING CIRCUITS. 6. 24 CIRCUIT LIGHTING CONTROL PANELBOARD UNDER ALTERNATE. REFEED ALL EXISTING CIRCUITS. 7. LIGHTING CONTROL PANELBOARD 'LCP-B01'. 8. DEMO ALL CIRCUIT CONDUCTORS BACK TO EACH FIXTURE. THEATRICAL LIGHTING NOT SHOWN. FIELD VERIFY CONDITIONS.



PARTIAL POWER RISER DIAGRAM NO SCALE

LINCOLN HIGH SCHOOL AUDITORIUM RENOVATION ELECTRICAL SYMBOLS AND ABBREVIATIONS

Table with columns: number, date, revision, drawn, checked, description. Contains project metadata.

9.40

2/17/2025 9:35:28 AM