AIA® Document G709™ – 2018

Proposal Request

PROJECT: *(name and address)*
AWSOM
Bentonville, Arkansas

CONTRACT INFORMATION:
Contract For: General Construction
Date: 11.29.2021

Architect's Project Number: 993A
Proposal Request Number: 089R
Proposal Request Date: 03.06.2025

OWNER: *(name and address)*
AWSOM Lands, LLC
PO Box 2030
Bentonville, AR 72712

ARCHITECT: *(name and address)*
Polk Stanley Wilcox
509 W. Spring St., Ste 150
Fayetteville, AR 72701

CONTRACTOR: *(name and address)*
Crossland Construction Company
1800 S. 52nd Street, Suite 410
Rogers, AR 72758

The Owner requests an itemized proposal for changes to the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein. The Contractor shall submit this proposal within five (5) days or notify the Architect in writing of the anticipated date of submission.
(Insert a detailed description of the proposed modifications to the Contract Documents and, if applicable, attach or reference specific exhibits.)
Refer to the attached Proposal Request 089R Narrative listing revised drawings with brief description of changes.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE, OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS.

REQUESTED BY THE ARCHITECT:

Mark Herrmann, AIA
PRINTED NAME AND TITLE

POLK STANLEY WILCOX

PROPOSAL REQUEST 089R

Green Roof Devices and High Roof Security Cameras Ver. 2

ISSUED:	**March 06, 2025**
PROJECT:	**AWSOM** **BENTONVILLE, AR**
FROM ARCHITECT:	**POLK STANLEY WILCOX ARCHITECTS** **801 SOUTH SPRING ST.** **LITTLE ROCK AR 72201**
TO CONTRACTOR:	**CROSSLAND CONSTRUCTION COMPANY, INC**

PROPOSAL REQUEST 89R BRIEF

Revised and new drawings in PR 089 add wireless access points and add security cameras to the high roof per owner request. Devices on the Green Roof are also relocated in coordination with signage updates, COB comments and landscape scope. PR 089R addresses further revisions shown in RED in response to COB comments for updated lighting layout, green roof fire alarm coverage, green roof security cameras, and wireless access points.

REVISED DRAWING SHEETS AND SPECIFICATIONS

1) **LANDSCAPE ARCHITECTURAL** – No change in Landscape Sheets from PR.089 except for issue date and labeling as PR.089R.

   a) Refer to Revised Sheet **L000B,** with original issue date 10.21.2024 and revised date 03.06.2025.
      - Updated sheet issuance for PR 089R.

   b) Refer to Revised Sheet **L224,** with original issue date 03.13.2023 and revised date 03.06.2025.
      - Revised Holiday Controlled Receptacle locations.
      - Revised Charging Pedestal locations.
      - Added Strobe on Post locations.
      - Added Exit Sign on Post locations.
      - Added Light and Strobe on 16’ Tall Pole locations.
      - Added Light, Exit Sign, and Strobe on 16’ Tall Pole locations.
      - Updated Legend.

   c) Refer to Revised Sheet **L225,** with original issue date 03.13.2023 and revised date 03.06.2025.
      - Revised Holiday Controlled Receptacle locations.
      - Revised Charging Pedestal locations.
      - Added Strobe on Post locations.
      - Added Exit Sign on Post locations.
      - Added Light and Strobe on 16’ Tall Pole locations.
      - Added Light, Exit Sign, and Strobe on 16’ Tall Pole locations.
      - Updated Legend.

2) **ARCHITECTURAL**

a) Refer to Revised Sheet **A940,** with original issue date 12.12.2024 (PR.089) and revised date 03.06.2025.
- Legend added elevating rooftop devices.
- Heights of Strobe on Post and Exit Sign and Strobe on Post modified.

3) ELECTRICAL

a) General clarification: For all charging pedestals and precise dimensions for locations of devices, refer to landscape plans. The revisions indicated below are intended to identify significant location changes.
b) Revised Sheet **E100.2**, Detail 1, with original issue date 02.24.2023 and revised date 03.06.2025.
- To align with landscape coordination:
  (1) Adjust location of two type SB4 light fixtures.
  (2) Adjust location of one XWB2 fixture.
  (3) Adjust location of one type H holiday receptacle pedestal.

c) Revised Sheet **E100.2**, Detail 2, with original issue date 02.24.2023 and revised date 03.06.2025.
- To align with landscape coordination and RFI 525:
  (1) Remove exit sign on level 3 plaza.
  (2) Adjust location of fixture SB4.

4) FIRE PROTECTION

a) Revised Sheet **FP105A**, Detail 1, with original issue date 02.24.2023 and revised date 03.06.2025.
- To align with landscape coordination:
  (1) Adjust location of 15 fire alarm appliances.
  (2) Remove 1 fire alarm appliance.

b) Revised Sheet **FP105B**, Detail 1, with original issue date 02.24.2023 and revised date 03.06.2025.
- To align with landscape coordination:
  (1) Adjust location/orientation of 1 fire alarm appliance.

5) TELECOM

a) Revised Sheet **TN000** with original issue date 02.24.2023 and revised date 03.06.2025.
- Added note for wireless access points to legend.

b) Added Sheet **TN100.2** with issue date 12.12.2024.
- Added 5 wireless access point bollards to green roof.
- Added conduit, pull box, and cabling for wireless access points.

c) Revised Sheet **TN500** with original issue date 02.24.2023 and revised date 03.06.2025.
- Added Exterior Wireless Access Point in Bollard detail.

6) SECURITY

a) Added Sheet **TY105A** with issue date 03.06.2025.
- Added three cameras to Roof Plan – Section A for surveilling Green Roof, Area B, of Roof Plan. Revised mounting location of Northeast Rooftop Camera.

b) Revised Sheet **TY500** with original issue date 02.24.2023 and revised date 03.06.2025.
- Revised sheet to include Details for Parapet mounting guidelines for Rooftop Cameras.

7) REVISED SPECIFICATION

a) Revised Specification Section **271500 Communications Horizontal Cabling.**
- Added section 2.05 Wireless Access Point Bollard

End of PR 089R

PART 1 - GENERAL REQUIREMENTS

1.01 SUMMARY

A. Provide a complete Category 6A horizontal (work area) telecommunications cabling system as shown on the TN sheets and in accordance with these Contract Documents.

B. This section specifies the following:

1. Horizontal Copper Cable
2. Copper Connectivity
    a) Faceplates
    b) Surface Box
    c) Jacks/plugs/inserts
3. Power Over Ethernet Extenders

1.02 RELATED SECTIONS INCLUDE THE FOLLOWING

A. Except as modified by governing codes and by the Contract Documents, comply with the applicable provisions, requirements, and recommendations in Division 27 Section "General Communications Requirements"

B. Refer to Division 27 Section "Common Work Results for Communications" for general pathway, firestopping, access panel, identification, and other requirements.

C. Refer to Division 27 Section "Structured Cabling System" for Advanced System Warranty information and other requirements.

D. Refer to Division 27 Section "Telecommunications Equipment Room Fittings" for telecommunications equipment racks, patch panels, wall-blocks, surge suppressors, and other equipment room requirements.

E. Category 6 and fiber cabling and connectivity for Audio Video Systems (as required by the TA drawings) are specified in Division 27 Section "Telecommunications Requirements for Audio Video Systems".

1.03 CODES, STANDARDS, AND GUIDELINES

A. In addition to all applicable codes, standards, and guidelines listed in Division 27 Sections "General Communications Requirements" and "Structured Cabling System", follow the most recent editions of the following:

1. NFPA 70 (NEC) – "National Electrical Code" (NEC)
2. IEEE NESC - "National Electrical Safety Code"
3. ANSI/BICSI 005 – "Electronic Safety and Security System Design and Implementation Best Practices"

4. ANSI/NECA/BICSI-607 – "Standard for Telecommunications Bonding and Grounding Planning and Installation methods for Commercial Buildings"
5. ANSI/TIA-568 – "Commercial Building Telecommunications Cabling Standard Set"
6. ANSI/TIA-569 – "Commercial Building Standard for Telecommunications Pathways and Spaces"
7. ANSI/TIA-607 – "Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises"
8. ANSI/TIA-606 – "Administration Standard for Commercial Telecommunications Infrastructure"
9. BICSI – "Telecommunications Distribution Methods Manual"
10. BICSI – "Information Technology Systems Installation Methods Manual"
11. IEEE 142 – "Recommended Practice for Grounding of Industrial and Commercial Power Systems" (Green Book)
12. IEEE 1100 – "Recommended Practice for Powering and Grounding Electronic Equipment" (Emerald Book)

1. TIA-526 – "Standard Test Procedures for Fiber Optic Systems"

13. TIA-TSB-140 – "Additional Guidelines for Field-Testing Length, Loss and Polarity of Optical Fiber Cabling Systems"

1.04 DEFINITIONS

A. Advanced System Warranty – refer to Division 27 Section "Structured Cabling System".

B. Communications Equipment Room - This CSI MasterFormat term shall apply to spaces specifically designed to maintain communications equipment. This definition shall encompass ANSI/TIA-569 terms for Entrance Room, Common Equipment Room (CER), and Common Telecommunications Room (CTR). This definition also shall encompass BICSI Telecommunications Distribution Methods Manual terms for Telecommunications Room (TR), Telecommunications Enclosure (TE), Equipment Room (ER), and Entrance Facility (EF).

C. Direct Attach Method – as defined in ANSI/BICSI 005-2013, the horizontal cabling on the remote device end directly attaching (or connecting) to the device through a connectorized cable or hard-wired termination, eliminating the workstation outlet, jack and equipment cord.

D. Horizontal Cabling

1. Horizontal cable and its connecting hardware provide the means of transporting signals between the telecommunications outlet/connector and the horizontal cross-connect located in the communications equipment room. This cabling and its connecting hardware are called "permanent link," a term that is used in the testing protocols.

a) Horizontal cabling shall contain no more than one transition point or consolidation point between the horizontal cross-connect and the telecommunications outlet/connector
b) Bridged taps and splices shall not be installed in the horizontal cabling
c) Splitters shall not be installed as part of the optical fiber cabling

2. A work area is approximately 100 sqft (9.3 sqm), and includes the components that extend from the telecommunications outlet/connectors to the station equipment.
3. The maximum allowable horizontal cable length for Category copper cable is 295 feet (90 meter). This maximum allowable length does not include an allowance for the length of 16 feet (4.88 meter) to the workstation equipment. The maximum allowable length does not include an allowance for the length of 16 feet (4.88 meter) in the horizontal cross-connect.
4. Horizontal cables longer than 295 feet shall be hybrid optical fiber and power conductor cable with a Power Over Ethernet Extender transmitter/receiver on each end.

E. Structured Cabling / Telecommunications System – a fully-functional passive telecommunications system (infrastructure), that includes permanently installed copper Category and fiber optic cable terminated onto a patch panel or outlet.

1.05 QUALITY ASSURANCE

A. As a minimum, the person(s) conducting the testing for all Telecommunications cabling shall be a current BICSI Certified Level II Commercial Installer or higher.

B. All testing equipment used shall have the latest version of software and/or firmware installed prior to testing any cabling. Testing equipment shall also undergo all manufacturers' required and recommended routine maintenance.

1.06 SUBMITTALS

A. Follow the requirements for submittals in Division 27 Section "General Communications Requirements"

B. Pre-bid submittal

1. For all products for which a substitute is to be considered as an approved equivalent or acceptable substitution provide submittals with sufficient detail for review by the Engineer. Submittals shall at a minimum provide detailed information substantiating all performance requirements as well as all necessary code compliance and NRTL listing information.

C. Pre-construction submittal

1. Provide a typed list indicating part name, manufacturer, part number, and color (if applicable) for products specifically identified herein by the exact and complete part number (no wild-card characters)
2. Submit manufacturers' cut sheets or catalog cut sheets for:

    a) Each of the cables specified. Cut sheets shall include the following information at a minimum:

        1) Manufacturers name and logo
        2) Cable outside diameter
        3) Number of conductors/strands in each cable and binder group
        4) Gauge or strand thickness
        5) Minimum transmission performance rating
        6) Cable jacket material and rating
        7) Maximum pulling tension
        8) Jacket/Sheath color
        9) Individual conductor or strand insulation colors
        10) Minimum bend radius

            a) During installation and post installation.
            b) As well as any additional information required by individual sections of this Division.

    b) Faceplates and modules. Cut sheets shall include the following information at a minimum:

        1) Manufacturers name and logo
        2) Material type
        3) Performance rating
        4) Physical Dimensions
        5) Color

    c) Product information of test equipment to be used for the testing of cabling.

    d) Provide documentation indicating manufacturer required and recommended maintenance and calibration services and intervals at which these services shall be performed.

        1) Provide documentation indicating the dates at which all testing units have undergone these services. For services required on a daily or pre-test basis provide documentation on the procedures the contractor will undergo for performing such services.

3. Shop Drawings

    a) Submit for review scaled layout drawings showing the routing of all cabling, and the locations where terminal blocks, patch panels, Telecommunications outlets, cable types, cable jacket listing information, firestop locations (with quantity and NRTL system

number identified), furniture feed points, and fiber optic termination panels are to be installed.

b) Shall show the number of horizontal cables served by each room and the number of patch panels and termination blocks to be installed (including those to accommodate 25% growth).

c) Each individual outlet on the drawings shall have proposed outlet identification indicated.

d) Unless otherwise required by these specifications, it is permissible to show different cabling systems (voice, data, CATV, A/V) on the same shop drawing.

4. Testing

a) Qualifications: Identity and qualifications of the personnel who will perform the testing as required above in the Quality Assurance paragraph.

b) Submit all physical characteristics needed for appropriate testing setup and verification. I.e. Nominal velocity of propagation (NVP) for each and every cable type. This parameter shall be identified and submitted for review. Such submittals for all parameters shall be from printed manufacturers' cut-sheets or other manufacturers' printed material.

c) Submit the proposed schedule for performing testing at least 2 weeks prior to the start of testing.

5. Sample warranty information as indicated herein and elsewhere in this Division.

D. Project completion submittal

1. As-built Drawings

a) Submit scaled layout drawings showing the routing of all cabling, and the locations where terminal blocks, patch panels, Telecommunications outlets, cable types, cable jacket listing information, firestop locations (with quantity and NRTL system number identified), furniture feed points, and fiber optic termination panels have been installed.

b) Shall show the number of horizontal cables served by each room and the number of patch panels and termination blocks installed (including those to accommodate 25% growth).

c) Unless otherwise required by these specifications, it is permissible to show different cabling systems (voice, data, CATV, A/V) on the same As-built drawing.

2. After approval by the Owner, submit the test results in computer readable copy in CD, DVD or mutually acceptable format by the Contractor and Owner.

3. Advanced Structured Cabling System Warranty Certificate

1.07 WARRANTIES

A. Provide manufacturer warranties as required in Division 27 Section "Structured Cabling System".

PART 2 - PRODUCTS AND MATERIALS

2.01 HORIZONTAL (WORK AREA) COPPER CABLE

A. Horizontal cables for dry environments

1. Requirements

a) Unshielded Twisted Pair (UTP)
b) Minimum performance specifications: Cable shall meet requirements for Augmented Category 6 of ANSI/TIA-568.
c) Four pairs of 22-24 AWG solid copper conductors
d) Cable jacket color(s) shall be

1) Blue for general data cabling
2) Yellow for security cabling
3) White for wireless access point cabling

e) Cable jacket marking: Shall be legible and shall contain the following information:

1) Manufacturer's name
2) Copper Conductor Gauge
3) Pair Count
4) UL and CSA listing
5) Manufacturer's trade mark
6) Category rating
7) Sequential distance markings, in one foot increments

f) Individually insulated conductors under a common sheath
g) Plenum (CMP or MPP) rated.

2. Manufacturer shall be:

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

B. Horizontal cables for Wet Locations (as defined in Division 27 Section "Structured Cable System")

1. Requirements

a) Suitable to be in contact with standing water
b) Cable construction shall be consistent with manufacturer's requirements to be covered under warranty specified in Division 27 Section "General Communications Requirements".

c) Minimum performance specifications: Cable shall meet requirements for Augmented Category 6 of ANSI/TIA-568.
d) Cable jacket marking: Shall be legible and shall contain the following information:

1) Manufacturer's name
2) Copper Conductor Gauge
3) Pair Count
4) UL and CSA listing
5) Manufacturer's trade mark
6) Category rating
7) Sequential distance markings, in one foot increments

2. Product shall be:

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

2.02 FACEPLATES FOR COPPER CONNECTIVITY

A. Single-gang faceplate:

1. Requirements

a) High impact nylon with number of ports to allow all modular jacks to be installed as required, and as indicated on the drawings.
b) Color shall match electrical, U.O.N. by owner
c) Single gang, U.O.N

2. Product shall be

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

B. Double-gang faceplate:

1. Requirements

a) High impact nylon with number of ports to allow all jacks to be installed as required, and as indicated on the drawings.
b) Color shall match electrical, U.O.N. by owner
c) Double gang, U.O.N

2. Product shall be

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

C. Weatherproof faceplate:

1. Requirements

a) Water resistant faceplate (to IP56 rating, or equivalent) with number of ports to allow all jacks to be installed as required, and as indicated on the drawings.
b) With in-use cover

2. Product shall be:

a) Panduit Mini-Com Water Resistant Faceplate with integral cover.
b) Hubbell RW57300 (Or Approved Equivalent) with decora-insert and jacks from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements).

D. Surface mount box

1. Requirements

a) With number of ports to allow all jacks to be installed as required, and as indicated on the drawings.
b) Mount into backbox, U.O.N

2. Product shall be

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

2.03 COPPER CONNECTIVITY

A. Modular jacks

1. Requirements

a) Outlets shall meet requirements for Augmented Category 6 of ANSI/TIA-568.
b) All 8-position modular jacks are to be wired according to the TIA T568B pin/pair assignments.
c) Outlet hardware shall be UL listed.
d) One port
e) Color shall match electrical, U.O.N. by owner

2. Product shall be

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

B. Field termination plugs

1. Requirements

a) Outlets shall meet requirements for Augmented Category 6 of ANSI/TIA-568.
b) All 8-position modular jacks are to be wired according to the TIA T568B pin/pair assignments.
c) UL Listed: UL 2043 (plenum)

2. Product shall be

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

C. Blank inserts

1. Requirements

a) Provide blank modules to fill any unused openings in faceplates
b) Color shall match other jack colors

2. Product shall be

a) Submit product data from Conditionally Approved manufacturer listed above (subject to Advanced System Warranty requirements)

2.04 POWER OVER ETHERNET EXTENDER

A. General:

1. Shall be utilized where noted on drawings and for any work area outlets that requires a Category 6 connection, where the cable distance exceeds 295 feet.
2. The Power over Ethernet (PoE) extender system shall provide the capability to upgrade a channel of a standard Ethernet switch to deliver PoE (IEEE 802.3af), PoE+ (IEEE 802.3at), or HPoE (non-standard) over a composite fiber/power cable.
3. The system shall utilize an external power injector at the source end.
4. The system shall provide power that is compliant with the requirements of a Class 2 Power Source per NFPA 70 or CSA C22.1 and be listed as such.
5. The system shall be comprised of a power injector and converter that generates and injects DC power and converts electrical signals to optical signals in the head end room, a receiver that converts the optical signals back to electrical signals and acts as a power supply for Power Over Ethernet at the work area outlets, and a composite cable for both fiber optic and copper power elements.

B. Media Converters - Power Source Devices

1. Shall be capable of being mounted on a horizontal or vertical surface or rack-mount bracket or chassis. Chassis modules shall take power from a common power supply.
2. The operating temperature range shall be 0°C to 40°C (32°F to 104°F).
3. The Power over Ethernet capabilities shall be:

a) Input voltage range 100 – 240 VAC.
b) Complies with the universal IEEE 802.3at PoE endpoint standard, supplying PoE to class 0, 1, 2 and 3 devices or PoE+ to class 0, 1, 2, 3 and 4 devices.

4. Product shall be

a) Berk-Tek One Reach

b) Commscope Powered Fiber

C. Media Converters – Work Area Outlet Devices

1. Shall accept power from power source equipment at head end.
2. Shall be available in 1 and 2 port modules.
3. Remotes shall be placed in enclosures/boxes suitable for the environment such as NEMA Type 1 (indoors, typical) or NEMA Type 3R (outdoors, typical).
4. The operating temperature shall be -40°C to 50°C (-40°F to 122°F).
5. Product shall be

a) Berk-Tek One Reach
b) Commscope Powered Fiber

D. Hybrid Optical Fiber/Copper Cable

1. The cable shall be a composite, containing single-mode fibers and solid copper conductors of size 12 AWG.
2. Outdoor rated.
3. Product shall be

a) Berk-Tek One Reach
b) Commscope Powered Fiber

2.05 WIRELESS ACCESS POINT BOLLARD

A. General:

1. Cylindrical polyethylene plastic Wi-Fi bollard. Shall protect APs and antennas in outdoor public spaces. Designed for permanent or temporary low voltage installations.
2. Shall protect equipment from tampering, spilling liquids and weather. Shall be NEMA 3R performance-rated for indoor/ outdoor environments.
3. Shall anchor to pre-installed concrete pedestal or anchor with ground or asphalt screws.
4. The operating temperature shall be -40°F (-40°C) to +140°F (+60°C)

B. Bollard

1. Confirm color and height with architect.
2. Product shall be:

a) Oberon Model 3032-00-XX

PART 3 - EXECUTION

3.01 INSTALLATION, GENERAL

A. Install in accordance with manufacturer's instructions.

3.02 CABLE INSTALLATION

A. General

1. Place all horizontal cabling in accordance with these specifications, on the Drawings, and as indicated on any cable schedules
2. Install each cable as an uninterrupted conductor section between the designated termination points, unless otherwise directed by the cable installation specifications.

    a) There shall be no splices or mechanical couplers installed between the cable points of origin and termination except as shown on the Drawings and/or specified herein.

    b) There shall be no Bridged taps (multiple appearances of the same cable pairs at several distribution points) installed.

        1) Horizontal cabling shall be terminated in a Telecommunications room that is on the same floor as the area (outlet) being served in accordance with ANSI/TIA-568.

        2) No horizontal Category cables shall exceed the allowed maximum distance of 295 feet (90 meters) by ANSI/TIA-568.

        3) Horizontal cables longer than 295 feet shall be hybrid optical fiber and power conductor cable with a Power Over Ethernet Extender transmitter/receiver on each end.

3. Unless otherwise noted, all cables shall be routed through the building cable tray/conduit/surface-mounted raceway system. Refer to the electrical drawings for the layout of the conduits. Refer to the Telecommunications drawings for layout of cable tray.

    a) All horizontal cables shall be plenum (CMP, MPP, OFNP, or OFCP) rated. UON

    b) Horizontal cables installed in “wet” locations as defined by the NEC or in these construction documents (such as conduits embedded or routed below a ground floor slab) shall be suitable for installation in such environments and follow the installation requirements for outside plant cables as specified herein.

4. Cables shall remain unattached to pathways or other cables and shall simply lay at rest on the supports provided by its pathway (including cable trays, wire basket, j-hooks, conduit, etc.). Wire ties, velcro straps, electrical tape or any other method shall not be used to attach cables to cable supports or to create cable bundles.

    a) Except when supported by ladder racking within each Telecommunications room, UON.

5. At the same time horizontal cables are pulled into a conduit also install a pull cord to facilitate future cable pulls along those. Use polypropylene or

monofilament plastic line with not less than 200 lb (90.72 kg) tensile strength. Leave at least 12 inches (304.8 mm) of slack at each end of pull cord.

6. Do not install kinked, scored, deformed, or abraded cable. Remove and discard cable if damaged during installation and replace it with new cable
7. Comply with all referenced standards and guidelines.
8. Cables shall be masked, covered, or otherwise protected from being painted or coming in contact with any other substance that may degrade the performance or physical characteristics of the cable jacket or insulation over time.
9. Where distance allows all horizontal cables shall be provided with slack/service loops at each end of the cable, one at the work area outlet and one at the Telecommunications room/enclosure. Each slack/service loop shall be:

    a) A minimum of 8 feet (2.44 meter) in length, UNO
    b) Configured in a loosely formed figure eight configuration (i.e. not coiled)

10. Prior to using any cable pulling lubricants provide the Engineer with written documentation from the cable manufacturer supporting the cable manufacturers' acceptance of its use in compliance with all required warranties as part of these contract documents. The use of non-water based lubricants shall be provided when pulling PVC jacketed and all cables not suitable for contact with water.

B. Outside plant cable installation: for cables placed in "wet locations" or as required by these construction documents. (I.e. all cables which extend beyond the footprint/envelope of the building or pathways leading to floor-boxes embedded in a ground floor slab)

1. Unlisted cables shall transition to an indoor rated cable within 50 feet (15.24 meter) of the entrance point as required the NEC.

    a) This 50 feet (15.24 meter) allowed by code is only to allow termination as close as practicable to the entrance point. Terminate all outdoor only (unlisted) cables at the closest point of entrance and transition to an indoor rated cable to extend to additional Telecommunications rooms (spaces)

2. No portion of outdoor only (unlisted) cables may be installed with the cable jacket exposed in any plenum or other air handling space nor shall they be allowed to transition between different levels of the building.
3. Where specifically allowed by these construction documents cable jackets rated for dual use by a NRTL, such as an indoor/outdoor rated cable may be used.

    a) These cables may be installed in locations within the building in which the cable jacket is appropriately rated to meet all applicable building codes.

4. Rigid metallic conduit shall be used to route outdoor (unlisted) cabling to within 50 feet (15.24 meter) of the transition point to indoor rated cabling in accordance with the NEC.
5. All cables which extend beyond the envelope/footprint of the building shall be installed with entrance protectors in accordance with Division 27 Section "Communications Equipment Room Fittings"

C. Horizontal (work area) Cables:

1. From the appropriate Telecommunications room, provide each work area outlet, the types and quantities of horizontal cables as described in the applicable system specification sections. Cables will leave the Telecommunications room via cable tray, conduit/sleeve or floor duct. Each cable will be terminated except for pay phone and elevator machine room junction box locations.
2. Install all horizontal cables in accordance with Division 27 Section "Common Work Results for Communications" and as indicated on the drawings.

3.03 CABLE & WIRE INSTALLATION

A. General:

1. Place all station cabling in accordance with these specifications, and as indicated on the cable schedules and the Drawings.

B. Station Cables:

1. Install station cabling, outlets and jacks as detailed in the horizontal cable placement schedules and the Drawings. The typical configuration for outlets shall be two unshielded twisted pair (UTP) cables of 4-pairs each, unless otherwise noted on the drawings or the Horizontal Cable Placement Schedules.

C. Cables located in "wet" locations

1. Provide all required entrance protection in accordance with Division 27 "Communications Equipment Room Fittings".
2. Follow the requirements for installing outside plant rated cable as specified in Division 27 Section "Communications Horizontal Cabling"
3. All cables routed to floor boxes in the slab shall route to a transition box within 50 feet (15.24 meter) of where the conduit emerges from the slab. Provide connecting hardware within an appropriately rated enclosure to allow a transition from outside plant cable to indoor rated cable. Indoor rated cable shall be rated as required by building code and as specified herein. Route indoor cables as indicated for horizontal cable distribution. Transition hardware shall meet or exceed the category performance of the highest rated cable being terminated.

a) Cables from multiple different floor boxes may be routed to a single, appropriately sized, transition enclosure.

D. Elevator Phone Cables:

1. Install elevator phone cables to support communications to each individual elevator cab. These cables will be run from each elevator's respective elevator equipment room to the nearest Telecommunications room as shown on the Drawings. Leave 15 feet (4.47 m) of coiled slack in the elevator equipment room junction box for eventual termination by the elevator contractor.

3.04 CONNECTOR INSTALLATION

A. Furnish and install all cable connectors as shown on the Drawings.

B. Provide number of connectors as required by the Drawings and as required by these documents, where the number of connectors required does not fill the entire faceplate provide blank inserts so that no opening is left.

C. The provision and termination of connectors from each cable shall be done as follows:

1. Where connector types are identified on the applicable drawings or in the specifications, furnish and install the specified connectors on the specified cables. Installation of the connectors shall be in accordance with the manufacturer's printed instructions.
2. All installed connectors, regardless of type, method of procurement or permanency, shall be adequately protected during and after installation.

D. Copper Connector Installation

1. Terminate all four pairs of each cable on one outlet jack.
2. Furnish and install all cable connectors as shown on the Drawings or as indicated herein, unless otherwise noted.
3. The provision and termination of connectors for each cable shall be done as follows:

a) Where connector types are identified on the applicable drawings or in the specifications, Furnish and install the specified connectors on the specified cables. Installation of the connectors shall be in accordance with the manufacturer's printed instructions.

b) All installed connectors, regardless of type, method of procurement or permanency, shall be adequately protected during and after installation.

3.05 FLOORBOX LOCATIONS

A. Refer to Division 27 "Common Work Results for Communications" for size, type, and specifications.

1. Provide appropriate mounting brackets (as required), faceplates, modular jacks, inserts, mounting frames and cabling required to fully populate and provide a fully functional system.

B. For slab-on-grade floorbox locations, coordinate with the Common Work contractor to extend underground or in-slab conduit all of the way to the serving Telecommunications Room. If that is not practical, coordinate with Common Work contractor on stub-up location and overhead enclosure size/location to transition OSP (wet-rated) cable to plenum-rated cable.

1. Note underground conduit routing and overhead transition point locations on pre-construction shop drawings and Record Drawings.

3.06 FACEPLATE INSTALLATION

A. Furnish and install all faceplates in locations as shown on the Drawings.

3.07 CABLE IDENTIFICATION

A. Label all horizontal cabling with machine-printed labels according to the labeling scheme identified on the drawings. Where the drawings are silent, submit RFI through appropriate channels requesting labeling scheme.

1. Shop drawings shall include floor plan that indicates proposed cable/outlet identification for each outlet.

B. Cables shall be labeled within 6” at each end.

C. All cable labels shall be thermal-transfer type and utilize self-adhesive labels. The following are approved manufacturers:

1. Brady, IDXPERT
2. Hellermann Tyton, Spirit 2100
3. Panduit LS9
4. Or equivalent

3.08 CABLE TERMINATIONS

A. Terminate all horizontal cables in accordance with Division 27 Section “Communications Equipment Room Fittings”. No cables shall contain unterminated elements UON.

3.09 CABLE TESTING

A. Refer to Division 27 Section “Structured Cabling System” for testing requirements.

3.010 ACCEPTANCE

A. The Owner and Design Consultant reserves the right to observe the conduct of any or all portions of the testing process.

B. All cables that fail testing are to be corrected prior to substantial completion and acceptance by owner. Replace entire cable if bad pair or conductor is found.

END OF SECTION

Sheet No.	Sheet Title	Issuance ASI 028 10.21.2024	PR 099R 03.06.2025	ASI 030 12.13.2024	PR 104 01.17.2025	PR 107 01.21.25	ASI 031 01.31.25	PR 114 02.12.25	ASI 033 02.14.2025
General									
L000	Drawing list, symbols + Abbreviations								
L000A	Drawing List Continued								
L000B	Drawing List Continued		X	X	X	X	X	X	X
L001	Symbols, Abbeviations, Legends								
Reference Plan									
L010	Reference Plan								
L011	LSD Site Plan								
Site Preparation									
LSP-0	Site Preparation - Key Plan, Legend and Notes								
LSP-1	Site Preparation Plan 1/3								
LSP-2	Site Preparation Plan 2/3								
LSP-3	Site Preparation Plan 3/3								
Materials									
L100	Materials - Key Plan, Legend and Notes								
L101	Materials Plan - Ground Floor 1/3								
L102	Materials Plan - Ground Floor 2/3			X		X	X		
L103	Materials Plan - Ground Floor 3/3				X			X	
L104	Materials Plan - Roof 1/2								
L105	Materials Plan - Roof 2/2								
L106	Materials Plan - Roof Level 3								
Layout - Hardscape									
L200A	Layout - Hardscape - Key Plan, Legend and Notes								
L200B	Layout - Hardscape - Data Chart								
L201	Layout - Hardscape - Groundfloor 1/3								
L202	Layout - Hardscape - Groundfloor 2/3								
L203	Layout - Hardscape - Groundfloor 3/3							X	
L204	Layout - Hardscape - Roof 1/2								
L205	Layout - Hardscape - Roof 2/2								
Layout - Furnishings									
L210	Layout - Furnishings - Key Plan, Legend and Notes								
L211	Layout - Furnishings - Ground Floor 1/3								
L212	Layout - Furnishings - Ground Floor 2/3			X					
L213	Layout - Furnishings - Ground Floor 3/3								
L214	Layout - Furnishings - Roof 1/2								
L215	Layout - Furnishings - Roof 2/2								
Layout - Lighting									
L220A	Layout - Lighting - Key Plan, Legend and Notes								
L221	Layout - Lighting - Ground Floor 1/3								
L222	Layout - Lighting - Ground Floor 2/3			X		X			
L223	Layout - Lighting - Ground Floor 3/3							X	
L224	Layout - Lighting - Roof 1/2		X						
L225	Layout - Lighting - Roof 2/2		X						
Layout - Wayfinding									
L231	Layout - Wayfinding - Ground Floor 1/3								
L232	Layout - Wayfinding - Ground Floor 2/3						X		
L233	Layout - Wayfinding - Ground Floor 3/3							X	
L234	Layout - Wayfinding - Roof 1/2								
L235	Layout - Wayfinding - Roof 2/2								
Grading									
L300	Grading Plan - Key Plan, Legend and Notes								
L301	Grading Plan - Ground Floor 1/3								
L302	Grading Plan - Ground Floor 2/3			X					
L303	Grading Plan - Ground Floor 3/3							X	
L304	Grading Plan - Roof 1/2				X				
L305	Grading Plan - Roof 2/2				X				
L306	Grading Plan - Roof - Level 3								
Planting Soils									
L400	Planting Soils - Key Plan, Legend and Notes								
L401	Planting Soils - Ground Floor 1/3								
L402	Planting Soils - Ground Floor 2/3								
L403	Planting Soils - Ground Floor 3/3							X	
L404	Planting Soils - Roof 1/2				X				
L405	Planting Soils - Roof 2/2				X				
Planting									
L500A	Planting - Key Plan, Legend and Notes								
L500B	Planting Schedule 1/4								X
L500C	Planting Schedule 2/4								X
L500D	Planting Schedule 3/4								X
L500E	Planting Schedule 4/4								X
L501	Planting Plan - Ground Floor 1/3								
L502	Planting Plan - Ground Floor 2/3								
L503	Planting Plan - Ground Floor 3/3							X	
L504	Planting Plan - Roof 1/2				X				
L505	Planting Plan - Roof 2/2				X				
L506	Tree Planting Plan - Ground Floor 1/3								
L507	Tree Planting Plan - Ground Floor 2/3								
L508	Tree Planting Plan - Ground Floor 3/3				X				
L509	Tree Planting Plan - Roof 1/2				X				
L510	Tree Planting Plan - Roof 2/2								
L511	Shrub Planting Plan - Ground Floor 1/3								
L512	Shrub Planting Plan - Ground Floor 2/3								
L513	Shrub Planting Plan - Ground Floor 3/3								
L514	Shrub Planting Plan - Roof 1/2				X				X
L515	Shrub Planting Plan - Roof 2/2								X

Sheet No.	Sheet Title	Issuance PR 104 01.17.2025	PR 107 01.21.25	ASI 031 01.31.25
Sections				
L600	1 - Parking + Swale			
	2 - Pond + Wetland Terrace			
L610	1 - Tail + Grotto			
	2 - Steep Roof Cross Section			
L611	1 - L4 Terrace Section			
Basin & Runnel Enlargements - Plans				
L700A	Enlargements Key Plan - Woodland Amphitheater and Welcome Plaza			
L700B	Enlargements Key Plan - Stone Paving and Benches			
L701	Woodland Amphitheater Enlargement 1 - Materials			
L702	Woodland Amphitheater Enlargement 2 - Materials			
L703	Welcome Plaza Enlargement - Materials			
L704	Amphitheater Enlargement 1 - Layout			
L705	Amphitheater Enlargement 2 - Layout			
L706A	Welcome Plaza Enlargement 1 - Layout - Hardscape			
L706B	Welcome Plaza Enlargement 1 - Layout - Lighting			
L707	Amphitheater Enlargement 1 - Grading	X		
L708	Amphitheater Enlargement 2 - Grading	X		
L709	Welcome Plaza Enlargement 1 - Grading			
L710	Woodland Amphitheater Section			
L711	Amphitheater Seat Wall Sections and Schedule			
L712	Woodland Amphitheater Stone Stair Schedule			
L720	Basin 1 and Runnel Plans			
L720A	Cascade Falls Details			
L721	Basin 2 Plans			
L722	Basin 3 Plans			
L723	Basin Sections			
L724	Basin Sections			
L725	Basin Sections			
L730	Runnel - 3d Views			
L731	Runnel and Basin Section Elevation			
L732	Runnel Stone Schedule			
L733	Runnel Stone Schedule			
L734	Runnel Stone Schedule			
L735	Runnel Stone Schedule			
L750	Roof Tail Flake Stone Enlargement			
L751	Cafe Plaza Stone Enlargement			
L752	Prospect Bluff Stone Enlargement			
L753	Healing Garden Stone Enlargement			
L754	Winter Terrace Stone Enlargement			X
L755	Stone Schedules			X
L761	Teaching Garden Enlargement - Layout			
L762	Teaching Garden Enlargement - Grading			
L790	Water Feature - Details			
L791	Water Feature - Details			
Details				
L901	Details - Paving			
L902	Details - Paving			
L903	Details - Paving, Walls, Curbs			
L904	Details - Furnishing		X	
L905	Details - Furnishing			
L906	Details - Stairs, Drains, Handrails			
L907	Details - Fencing			
L908	Details - Lighting			
L909	Details - Boardwalk			
L910	Details - Boardwalk			
L911	Details - Planting			
L912	Details - Soils			
L913	Details - Roof Drain Access			
L914	Details - Teaching Garden			
L915	Details - Teaching Garden			
L916	Details			
Irrigation Drawings				
I101	Ground Floor Irrigation Plan 1			
I102	Ground Floor Irrigation Plan 2			
I103	Ground Floor Irrigation Plan 3			
I104	Irrigation Roof Plan			
I105	Irrigation Details			
I106	Irrigation Details			
Water Feature Drawings				
WF101	Water Feature Site Plan			
WF102	Water Feature Piping Plan			
WF201	Runnel Hydraulic Schematic			
WF202	Basins 2 & 3 Hydraulic Schematic			
WF301	Water Feature Equipment			
WF302	Water Feature Equipment			
WF401	Water Feature Section and Details			
WF501	Water Feature Fabrication and General Details			
WF601	Water Feature Electrical Plan			
WF602	Water Feature Electrical Details			

4 Drawing List (Continued)
Scale: N/A

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PSW Job Number:
933A

REGISTERED LANDSCAPE ARCHITECT
SIMON DAVID
License Number 10167
STATE OF ARKANSAS

AWSOM
Bentonville, AR

1 Issue Date:
10.21.2024

REVISIONS

NUMBER	DATE	DESCRIPTION
1	10.21.2024	ASI 028
2	03.06.2025	PR 099R
3	12.13.2024	ASI 030
4	01.17.2025	PR 104
5	01.21.2025	PR 107
6	01.31.2025	ASI 031
7	02.12.2025	PR 114
8	02.14.2025	ASI 033

Contents:
Drawing List, Symbols and Abbreviations

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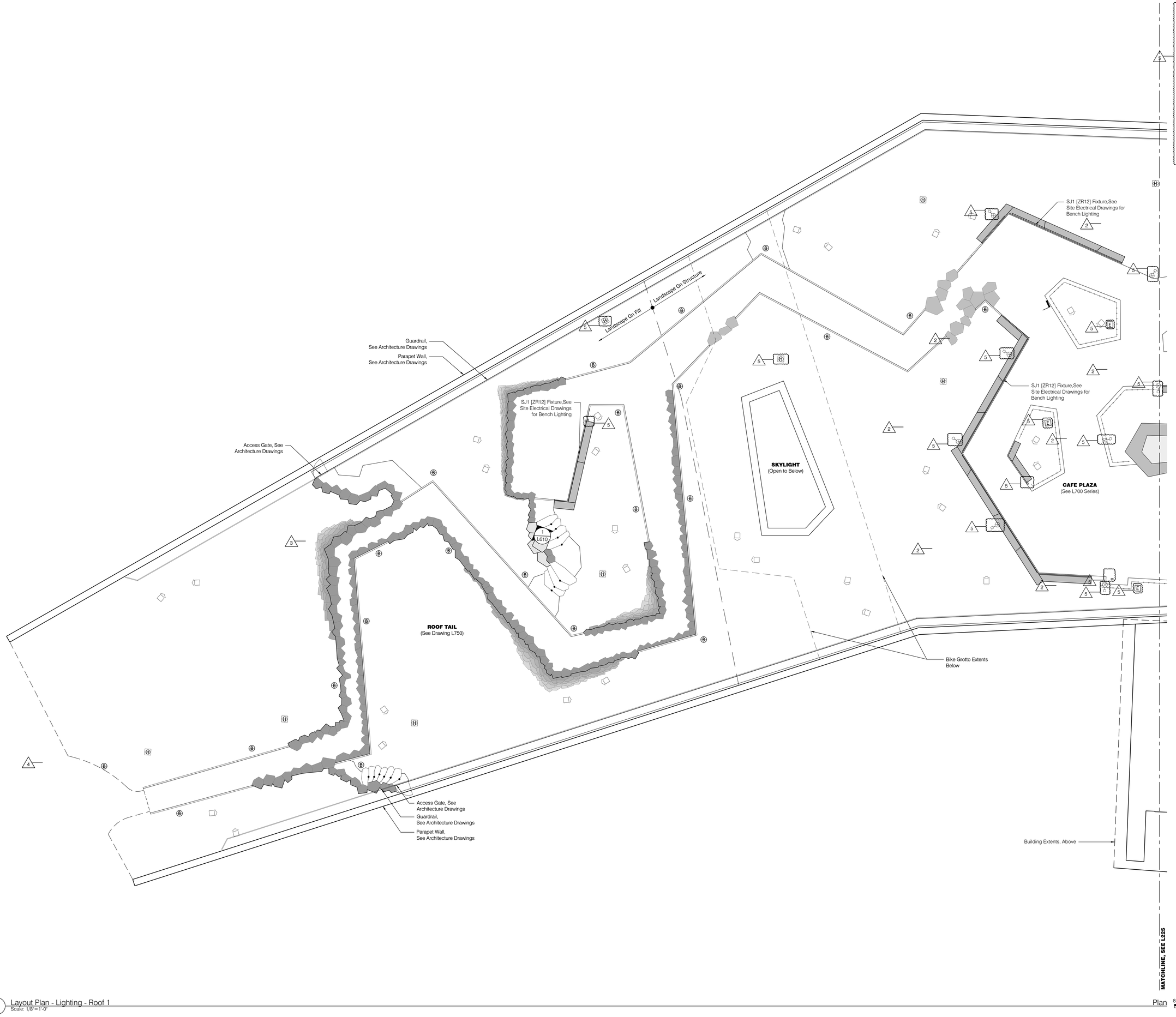
1 L000B



Lighting Layout Legend

- Light on 16' Tall Pole
- Light and Strobe on 16' Tall Pole
- Light, Exit Sign, and Strobe on 16' Tall Pole
- Lit Bollard
- Wireless Access Point Inside Bollard Shroud
- Strobe on Post
- Exit Sign on Post
- Exit Sign and Strobe on Post
- Charging Pedestal
- Holiday Controlled Receptacle Pedestals

General Legend

- Property Line
- L.O.W. Limit of Work
- R.O.W. Right of Way
- Building Entry
- Landscape Area Drain Inlet, See Civil Drawings
- TD 9/L906 Trench Drain
- SD 2/L906 Slot Drain
- Roof Drain, See Architecture Drawings

1 Layout Plan - Lighting - Roof 1
Scale: 1/8"=1'-0"

Plan 8 0 8 16 SCALE OF FEET

N

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L224

BENTONVILLE PROJECT NUMBER LSD22-0068

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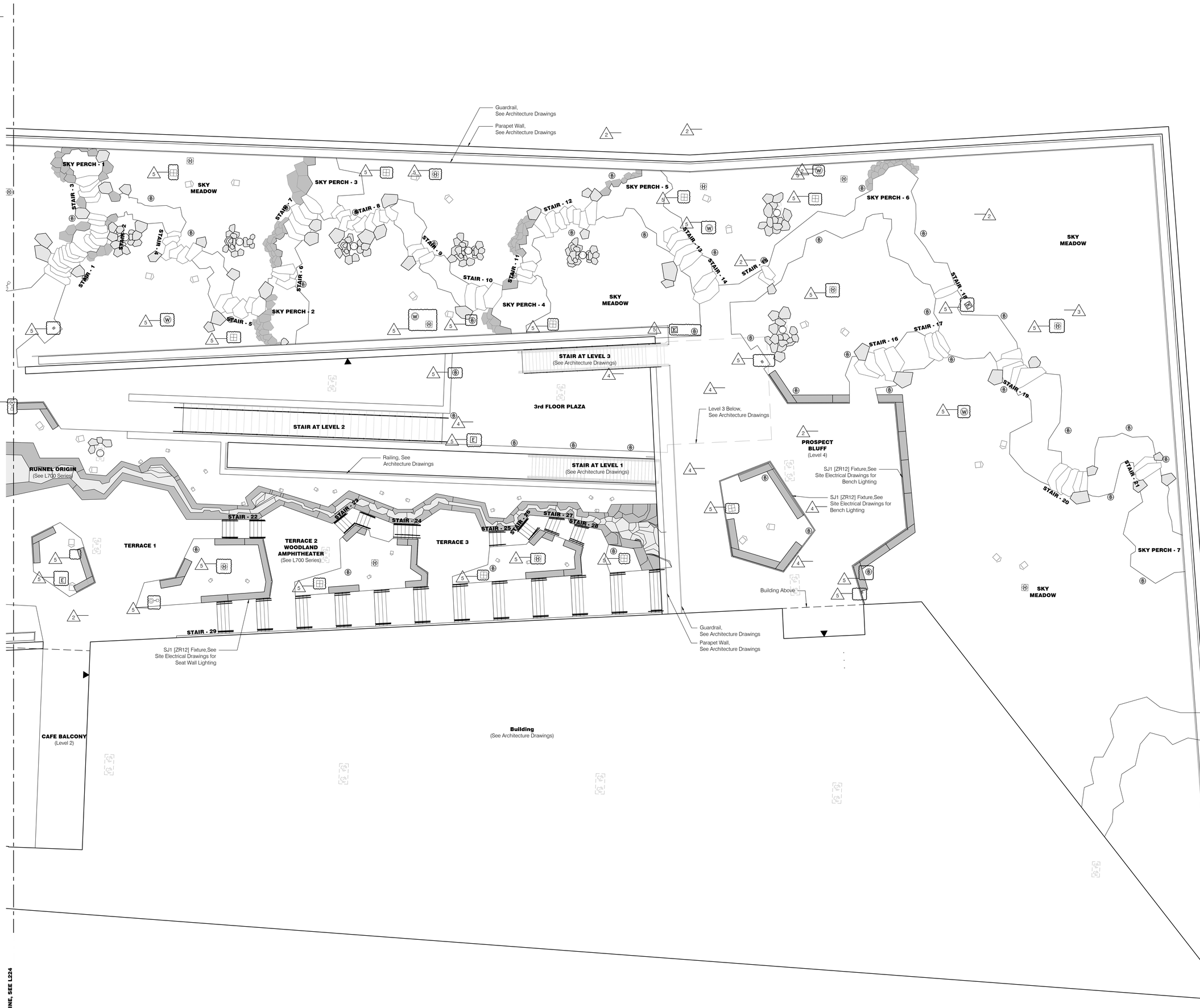
Issue Date:
03.13.2023

REVISIONS

NUMBER	DATE	DESCRIPTION
1	03.13.2023	ADDENDUM 1
2	06.09.2023	ADDENDUM 2
3	06.06.2024	PR 048
4	11.21.2024	PR 073R2
5	03.06.2025	PR 089R

Contents:
Layout - Lighting - Roof 1/2



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- TD 9/L906 Trench Drain
- SD 2/L906 Slot Drain
- Roof Drain, See Architecture Drawings

1 Layout Plan - Lighting - Roof 2
Scale: 1/8"= 1'-0"

Plan 8 0 8 16 SCALE OF FEET

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L225

BENTONVILLE PROJECT NUMBER LSD22-0068

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PSW Job Number:
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SIMON DAVID
License Number 10167
STATE OF ARKANSAS

AWSOM
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Issue Date:
03.13.2023

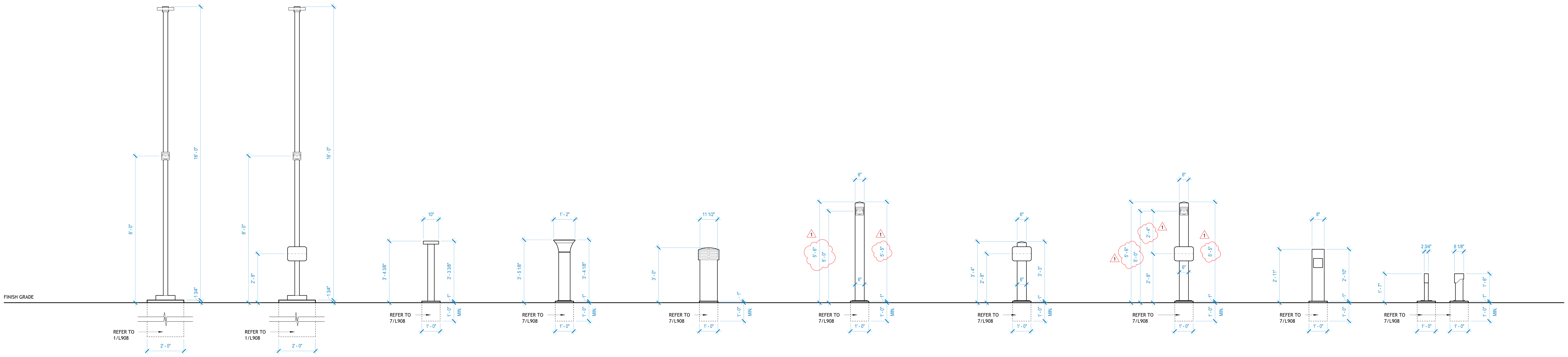
REVISIONS

NUMBER	DATE	DESCRIPTION
1	03.13.2023	ADDENDUM 1
2	06.09.2023	ADDENDUM 2
3	06.06.2024	PR 048
4	08.29.2024	ASI 025
5	03.06.2025	PR 089R

Contents:
Layout - Lighting - Roof 2/2

GREEN ROOF DEVICE ELEVATIONS

SCALE: 1/2" = 1'-0"



LIGHT AND STROBE ON 16' TALL POLE

POLE AND LIGHT: SP3S BEGA 99401-79511

STROBE: SIEMENS CLEAR LENS SPEAKER STROBE WALL MOUNT

LIGHT, EXIT SIGN, AND STROBE ON 16' TALL POLE

POLE AND LIGHT: BEGA 99401-79511

STROBE: SIEMENS CLEAR LENS SPEAKER STROBE WALL MOUNT

EXIT SIGN: EXIT/WET/CP LED COMPACT WET LOCATION EXIT SIGN
GREEN, BLACK HOUSING, EMERGENCY BATTERY

SB1
LIT BOLLARD

BEGA BOLLARD 88264-K3-BLK

SB4
LIT BOLLARD, LIGHT FIXTURE ON TUBE

BEGA 84244-K3-BLK-99635

WIRELESS ACCESS POINT INSIDE BOLLARD SHROUD

BOLLARD SHROUD: OBERON MODEL 3032-00-XX COLOR TBD

WIRELESS ACCESS POINT: BY OWNER

STROBE ON POST

STROBE: SIEMENS CLEAR LENS SPEAKER STROBE WALL MOUNT

POST: VALMONT STRUCTURES 6" SOFT SQUARE ALUMINUM POLE

EXIT SIGN ON POST

EXIT SIGN: EXIT/WET/CP LED COMPACT WET LOCATION EXIT SIGN
GREEN, BLACK HOUSING, EMERGENCY BATTERY

POST: VALMONT STRUCTURES 6" SOFT SQUARE ALUMINUM POLE

EXIT SIGN AND STROBE ON POST

EXIT SIGN: EXIT/WET/CP LED COMPACT WET LOCATION SINGLE FACE, GREEN, BLACK HOUSING, EMERGENCY BATTERY

STROBE: SIEMENS CLEAR LENS SPEAKER STROBE WALL MOUNT

POST: VALMONT STRUCTURES 6" SOFT SQUARE ALUMINUM POLE

CHARGING PEDESTAL

LEGRAND WIREMOLD CHARGING STATION 3 GANG 2 DUPLEX GFCI AND 4 PORT USB A OUTLETS, BLACK XCSPP3GRRU-BK

HOLIDAY CONTROLLED RECEPTACLE PEDESTALS

PEDOC HINGE TOP OUTLET BOX W/ INTEGRAL BASE

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PSW Job Number:
993A

AWSOM
Bentonville, AR

Issue Date:
12.12.2024

REVISIONS

NUMBER	DATE	DESCRIPTION
1	03.06.2025	PR 089R

Contents:
GREEN ROOF DEVICE ELEVATIONS

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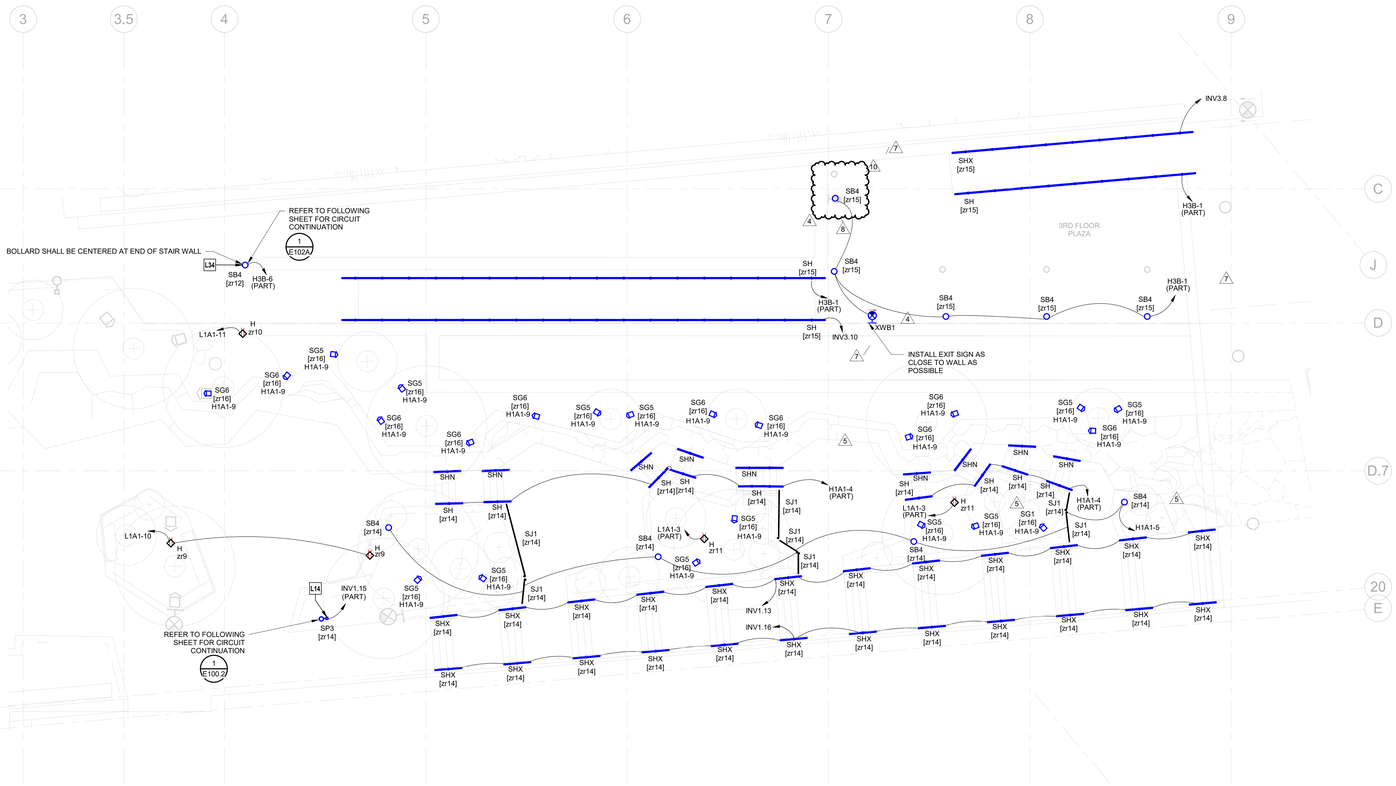
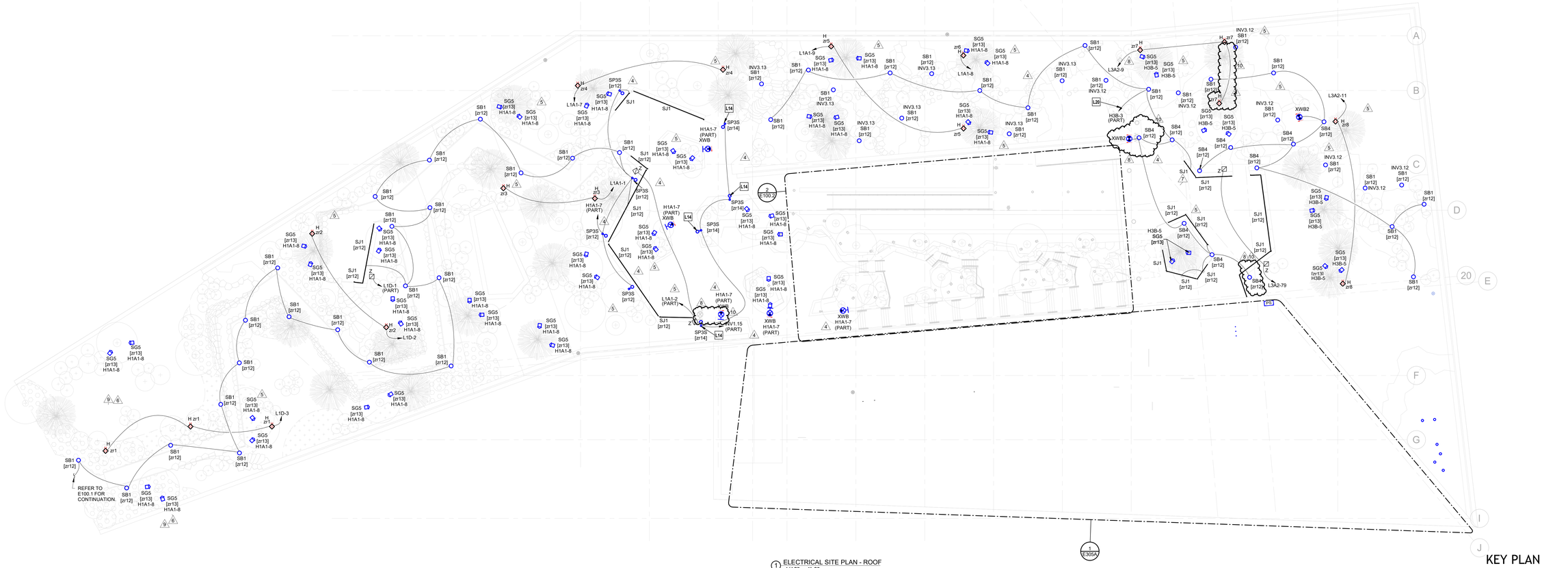
A940

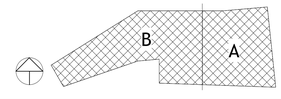


2 ELECTRICAL SITE - ROOF COURTYARD
1/8" = 1'-0"



1 ELECTRICAL SITE PLAN - ROOF
1/16" = 1'-0"

KEY PLAN



ELECTRICAL PLAN NOTES:

L14 LIGHT FIXTURE SHALL BE UTILIZED FOR EMERGENCY EGRESS AND POWERED THROUGH REMOTE BATTERY INVERTER. FIXTURE SHALL BE NORMALLY CONTROLLED WITH CONTROL ZONE INDICATED.

L20 PROVIDE UNCONTROLLED HOT TO ALL EXTERIOR EMERGENCY LIGHTING FIXTURES.

L34 FIXTURE PROVIDE WITH INTEGRAL EMERGENCY BATTERY AND SHALL BE PROVIDED WITH UNCONTROLLED HOT FOR CIRCUIT SENSING.

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PSW Job Number:
993A

Henderson Job Number:
2150002607

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18598
APRIL L. HALLING
03/06/2025

AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS

NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	06.09.23	Addendum 2
3	12.18.23	PR-024
4	05.01.24	PR-051
5	06.04.24	PR-048
6	08.29.24	PR-073
7	08.29.24	ASI-025
8	12.12.24	PR-089
9	11.06.24	PR-079R2
10	03.06.25	PR-089R

Contents:
ELECTRICAL SITE PLAN - ROOF

THIS PAGE IS BEST VIEWED IN COLOR

E100.2

APRIL L. HALLING

FIRE ALARM SCOPE OF WORK NOTES:

1. FIRE ALARM SCOPE OF WORK IS TO PROVIDE A COMPLETE, IN-BUILDING MASS NOTIFICATION FIRE ALARM SYSTEM.
2. ALL CEILING MOUNTED FIRE ALARM APPLIANCES AND DEVICES SHALL BE INSTALLED IN A SYMMETRICAL PATTERN AND ALIGNED WITH LIGHTS AND OTHER CEILING EQUIPMENT WHERE CODE PERMITS.
3. WHERE CEILING MOUNTED FIRE ALARM EQUIPMENT ARE SHOWN IN WOOD CEILINGS, CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND APPLIANCE COLOR WITH ARCHITECT.
4. WHERE CEILING MOUNTED SPEAKERS ARE SHOWN IN AREAS OPEN TO STRUCTURE, SPEAKERS SHALL BE LOCATED 18" ABOVE THE NEAREST CEILING ELEVATION.

FIRE SPRINKLER SCOPE OF WORK NOTES:

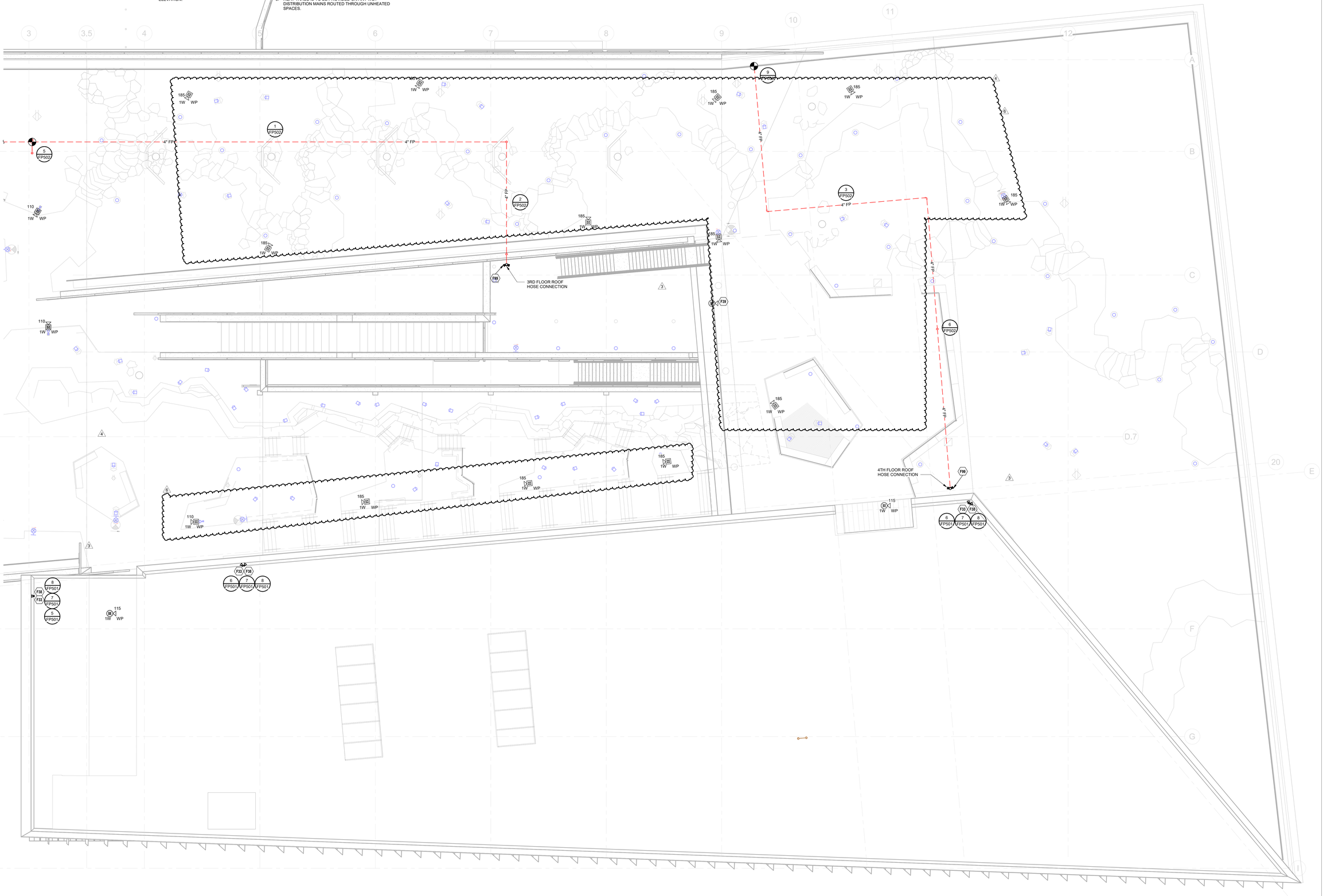
1. FIRE SPRINKLER SCOPE OF WORK IS TO PROVIDE A COMPLETE, AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING.
2. SPRINKLER PROTECTION WITH FREEZE PROTECTION SHALL BE PROVIDED FOR ALL EXTERIOR BUILDING PROJECTIONS AND EXTERIOR OCCUPIED BALCONIES OR DECKS.
3. SPRINKLER SYSTEM CONTAINS A COMBINATION OF WET, DRY, AND PREACTION SPRINKLER SYSTEMS. ANTIFREEZE SOLUTION PROVIDED IN SELECT WET SYSTEMS.
4. ALL DRY-PIPE AND PREACTION SPRINKLER SYSTEMS SHALL BE FILLED WITH NITROGEN.
5. HEAT TRACE IS TO BE PROVIDED ON ANY WET DISTRIBUTION MAINS ROUTED THROUGH UNHEATED SPACES.

FIRE SPRINKLER SCOPE OF WORK NOTES:

6. FIRE SPRINKLER SYSTEM DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13 2019 EDITION WITH THE EXCEPTION OF THE GARAGE SPRINKLER SYSTEM DESIGN CRITERIA. REFER TO FP100.2 FOR ADDITIONAL INFORMATION.
7. WERE ANTIFREEZE SYSTEMS ARE PROVIDED, SYSTEM SHALL BE CALCULATED AS A DRY-PIPE SPRINKLER SYSTEM WHERE NEEDED TO ACHIEVE LARGER SYSTEM SIZES PER MANUFACTURER'S DATA.
8. FIRE SPRINKLER PIPE SHALL NOT BE ROUTED THROUGH ELECTRICAL ROOMS, I.T./DATA ROOMS, A/V ROOMS OR SIMILAR. PIPING SHALL BE LIMITED TO BRANCHLINES SERVING SPRINKLERS WITHIN THOSE ROOMS.

FIRE PROTECTION PLAN NOTES:

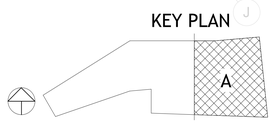
3
- F33 PROVIDE HYPERSPIKE TCPA-10 MODEL 90215A-801-01-L FIRE ALARM LOUDSPEAKER. PROVIDE 70V 12W OUTPUT.
- F38 LOUDSPEAKERS SHALL BE POLE MOUNTED BEHIND THE PARAPET. SPEAKERS SHALL BE INSTALLED SUCH THAT THE ENTIRE SPEAKER IS ABOVE THE PARAPET AND CAN BE ANGLED TOWARD THE OPPOSITE SIDE OF THE OCCUPIED BOUNDARY.
- F39 APPLIANCE SHOWN FOR REFERENCE. PROVIDED IN LEVEL 3 EXTERIOR CEILING. REFER TO FP103A FOR ADDITIONAL INFORMATION.
- F99 FREESTANDING ROOF LEVEL STANDPIPE WITH TWO 2-1/2" HOSE VALVES, CAP AND CHAIN. PROVIDE SHUT-OFF VALVE WITH TAMPER SWITCH AND BALL DRIP WITHIN STAIRWAY.



1 FIRE PROTECTION PLAN - ROOF - AREA A
1/8" = 1'-0"

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

KEY PLAN



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03/06/2025

ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13123
DARRELL E. STEIN

AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS

NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	12.18.23	PR-024
3	05.10.24	PR-053
4	12.12.24	PR-089
5	02.27.25	ASI 035
6	03.06.25	PR-089R

Contents:
FIRE PROTECTION - ROOF PLAN- AREA A

THIS PAGE IS BEST VIEWED IN COLOR

FP105A

DARRELL E. STEIN

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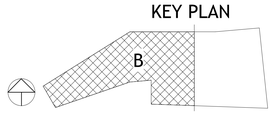
1 FIRE PROTECTION PLAN - ROOF - AREA B
1/8" = 1'-0"

0 4' 8' 12'
SCALE: 1/8"=1'-0"

KEY PLAN



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AWSOM
Bentonville, AR

Issue Date:
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REVISIONS

NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	12.18.23	PR-024
3	03.06.25	PR-068R

Contents:
FIRE PROTECTION - ROOF PLAN - AREA B

THIS PAGE IS BEST VIEWED IN COLOR

FP105B

DARRELL E. STEIN

TELECOMMUNICATIONS SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. V2.00

STANDARD MOUNTING HEIGHTS

TELECOM BACKBOARD (BOTTOM OF BACKBOARD)	4"
LADDER RACK IN TELECOM ROOMS (BOTTOM OF DEVICE)	90"
CABLE TRAY / CONDUIT AFC (BOTTOM OF PATHWAY)	3"(MIN)
LIGHT FIXTURE IN TELECOM ROOMS (BOTTOM OF DEVICE)	108"(MIN)
TELEPHONE WALL OUTLET (CENTERLINE)	48"
DATA WALL OUTLET	SAME AS ADJACENT DEVICE, UNO
TELEVISION OUTLET	REFER TO ARCH DRAWINGS
TMGB/TGB (CENTERLINE)	84"
WALL CLOCK (CENTERLINE)	84"
INTERCOM (CENTERLINE)	48"

USE THE DEFAULT MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ARE ABOVE FINISHED FLOOR (AFF) OR ABOVE FINISHED GRADE (AFG) TO BOTTOM OF OUTLET BOX. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ABBREVIATIONS

A	AMPERES
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS POINT
AV	AUDIO-VIDEO
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BBC	BACKBONE BONDING CONDUCTOR
BD	BUILDING DISTRIBUTOR
BDF	BUILDING DISTRIBUTION FRAME
BFC	BELOW FINISHED CEILING
C	CONDUIT
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CD	CAMPUS DISTRIBUTOR
CMP	COMMUNICATIONS PLENUM JACKET
CMR	COMMUNICATIONS RISER JACKET
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBELS
DEMO	DEMOLITION
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
ECIA	ELECTRONIC COMPONENTS INDUSTRY ASSOCIATION
EMI	ELECTROMAGNETIC INTERFERENCE
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ER	EQUIPMENT ROOM
ETR	EXISTING TO REMAIN
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DISTRIBUTOR
FMC	FLEXIBLE METAL CONDUIT
FS	FIRE STOP SYSTEM
FLR	FLOOR
F/UTP	SCREEN TWISTED PAIR (SHIELDED)
GC	GENERAL CONTRACTOR
GYP	GYPSUM BOARD
HC	HORIZONTAL CROSS-CONNECT
HCM	HORIZONTAL CABLE MANAGER
HH	HAND HOLE
Hz	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
IP	INTERNET PROTOCOL
ISP	INTERNET SERVICE PROVIDER
ISP	INSIDE PLANT CABLE
JB	JUNCTION BOX
J-BOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
LCC	LIMITED COMBUSTIBLE CABLE
LEC	LOCAL EXCHANGE CARRIER
LED	LIGHT-EMITTING DIODE
LF	LINEAR FEET
MAN	METROPOLITAN AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MC	MAIN CROSS-CONNECT
MDF	MAIN DISTRIBUTION FRAME
MFR	MANUFACTURER
MH	MAINTENANCE HOLE
MM	MULTIMODE
MPOE	MAIN POINT OF ENTRANCE
MPOP	MAIN POINT OF PRESENCE
MTD	MOUNTED
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
nm	NANOMETER
NRTL	NATIONALLY RECOGNIZED TESTING LAB
OC	ON CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OSP	OUTSIDE PLANT
PBB	PRIMARY BONDING BUSBAR
PBX	PRIVATE BRANCH EXCHANGE
POE	POWER OVER ETHERNET
PON	PASSIVE OPTICAL NETWORK
POTS	PLAIN OLD TELEPHONE SERVICE
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
QTY	QUANTITY
RCDD	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
RMC	RIGID METAL CONDUIT
RU	RACK UNIT
SBB	SECONDARY BONDING BUSBAR
SCS	STRUCTURED CABLING SYSTEM
SF	SQUARE FEET
SM	SINGLEMODE
SPECS	SPECIFICATIONS
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBD	TO BE DETERMINED
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UL	UNDERWRITER LABORATORIES, INC
UPS	UNINTERRUPTIBLE POWER SUPPLY
U/UTP	UNSHIELDED TWISTED PAIR
V	VOLT(S)
VCM	VERTICAL CABLE MANAGER
W	WIRE
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHER PROOF
WR	WEATHER RESISTANT
WT	WATERTIGHT
XP	EXPLOSION-PROOF

ANNOTATION

- TECHNOLOGY PLAN CALLOUT
- EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED)
- CONNECTION POINT OF NEW WORK TO EXISTING
- DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER. LOWER NUMBER INDICATES SHEET NUMBER
- SECTION CUT DESIGNATION
- DEDICATED EQUIPMENT ACCESS TILE
- ACCESS PANEL

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINE-TYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF THE NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING	NEW
DEMOLISH	FUTURE

PATHWAYS

- WIRE MESH CABLE TRAY - DETAILS 1,3,4,6/TN501 (W"=WIDTH, "H"=HEIGHT)
- VERTICAL CABLE TRAY
- UNDERGROUND CONDUIT ("#"=QUANTITY, "D"=CONDUIT DIAMETER)
- CONDUIT ("#"=QUANTITY, "D"=CONDUIT DIAMETER)
- CABLE SUPPORTS OR J-HOOKS
- CONDUIT SLEEVE ("#"=QUANTITY, "D"=CONDUIT DIAMETER)
- UL FIRESTOP SYSTEM ASSEMBLY - DETAIL 2/TN501
- PULL BOX ("L"=LENGTH, "W"=WIDTH, "H"=HEIGHT)
- SPLICE

RISER DIAGRAMS

- FIBER OPTIC CROSS CONNECT - DETAIL 2/TN500
- COPPER UTP CROSS CONNECT
- 110-TYPE PROTECTOR BLOCK
- PATCH PANEL - DETAIL 8/TN500
- SECONDARY BONDING BUSBAR (SBB)
- PRIMARY BONDING BUSBAR (PBB)
- TELECOMMUNICATIONS BACKBONE CABLING (REFER TO RISER DIAGRAM FOR MORE INFORMATION)

TELECOMMUNICATIONS ROOM

- LADDER RACK - DETAILS 2,5/TN501
- PRIMARY BONDING BUSBAR (PBB) - WALL ELEVATION VIEW - DETAIL 7/TN501
- SECONDARY BONDING BUSBAR (SBB) - WALL ELEVATION VIEW - DETAIL 8/TN501
- PBB/SBB - PLAN VIEW
- TELECOM BACKBOARD
- TWO-POST EQUIPMENT RACK
- FOUR-POST EQUIPMENT RACK
- EQUIPMENT CABINET (REFER TO PLAN NOTES ON ENLARGED PLANS FOR MORE INFORMATION)

TELECOMMUNICATIONS OUTLETS

SYMBOL	DESCRIPTION	CABLE(S)	DETAIL
1D	DATA WALL OUTLET	1 CAT6	1,7,12/TN500
2D	DATA WALL OUTLET	2 CAT6	1,7,12/TN500
4D	DATA WALL OUTLET	4 CAT6	1,7,12/TN500
2D	DATA WALL OUTLET, ABOVE COUNTER	2 CAT6	1,7,12/TN500
1D,RS	DATA WALL OUTLET, ROOM SCHEDULER	1 CAT6	1,7,12/TN500
2D,TP	DATA WALL OUTLET FOR SIMULATION OR TOUCH PANEL	2 CAT 6	1,7,12/TN500
2D,ELEV	ELEVATOR PHONE OUTLET - VoIP	2 CAT6	4/TN500
2D,TV	DATA WALL OUTLET FOR DISPLAY. REFER TO TA DRAWINGS FOR INSTALLATION DETAILS.	2 CAT6	1,7,12/TN500
W,1D	TELEPHONE, VoIP WALL OUTLET	1 CAT6	3,7,12/TN500
WAP	DATA WALL OUTLET - WIRELESS ACCESS POINT.	2 CAT6A	1,7,12/TN500
2D	MULTI-SERVICE FLOOR BOX WITH DATA AND POWER OUTLETS, REFER TO DIV 26 FOR FLOOR BOX TYPE	2 CAT6	6,9/TN500
6D	MULTI-SERVICE FLOOR BOX WITH DATA AND POWER OUTLETS, REFER TO DIV 26 FOR FLOOR BOX TYPE	6 CAT6	6,9/TN500
2D	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER OUTLETS, REFER TO DIV 26 FOR POKE THROUGH TYPE	2 CAT6	5,9/TN500
4D	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER OUTLETS, REFER TO DIV 26 FOR POKE THROUGH TYPE	4 CAT6	5,9/TN500
8D	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER OUTLETS, REFER TO DIV 26 FOR POKE THROUGH TYPE	8 CAT6	5,9/TN500
2D	DATA CEILING OUTLET	2 CAT6A	7,11/TN500
2D,PROJ	DATA CEILING OUTLET FOR PROJECTOR	2 CAT6	7,11/TN500
2D,TV	DATA CEILING OUTLET FOR DISPLAY	2 CAT6	7,11/TN500

TELECOMMUNICATIONS END-POINT DEVICES

DEVICE SCHEDULE

SYMBOL	DESCRIPTION	CABLE(S)	DETAIL
C	CELLULAR DAS ANTENNA, CEILING MOUNT	1 CAT6	10/TN500
PS	PUBLIC SAFETY DAS ANTENNA, CEILING MOUNT MOUNT	1 CAT6	10/TN500

SECURITY IP END-POINT DEVICES

REFER TO TY-SERIES DRAWINGS FOR SECURITY DEVICES

SYMBOL	DESCRIPTION	CABLE(S)	DETAIL
R	CEILING SECURITY CAMERA	1 CAT6	REFER TO TY-SERIES
R	WALL SECURITY CAMERA	1 CAT6	REFER TO TY-SERIES

NURSE CALL END-POINT DEVICES

REFER TO TY-SERIES DRAWINGS FOR SECURITY DEVICES

SYMBOL	DESCRIPTION	CABLE(S)	DETAIL
	NURSE CALL WALL MOUNTED DOME LIGHT	1 CAT6	N/A
NM	NURSE CALL MASTER STATION	1 CAT6	N/A

TELECOMMUNICATIONS RESPONSIBILITY MATRIX

Description	Furnish: Construction Team	Furnish: Owner	Install: Construction Team	Install: Owner	Comments
General Communications					
Grounding and Bonding	X		X		
Hangers and Supports	X		X		
Conduits and Backboxes	X		X		
Cable Trays	X		X		
Underground pathways for utility entrance and floor boxes	X		X		
Firestops, Conduit Sleeves, and Sleeve Seals	X		X		
Structured Cabling					
Telecom Room Cabinets, Racks, Frames, and Enclosures	X		X		
Telecom Room Buildout (ex. backboard and ladder rack)	X		X		
Telecom Room Uninterruptible Power Supply (UPS)		X		X	
Telecom Room Power Strips	X		X		
Optical Fiber Patch Cables	X		X		
Optical Fiber Backbone Cable and Connectivity	X		X		
Copper Backbone Cable and Connectivity	X		X		
Copper Horizontal Cable and Connectivity	X		X		
Data Communications					
Router / Firewall		X		X	
Core Switch / Edge Switch		X		X	
Wireless Access Points		X		X	
Servers / Storage and Backup		X		X	
Laptops / Desktops / Copiers / Printers / Scanners		X		X	
Time Clock	X		X		
Software		X		X	
Voice Communications					
VoIP Gateway / Analog handsets		X		X	
VoIP handset wall mount kit		X		X	
VoIP handsets		X		X	
VoIP Network licensing		X		X	
Cellular Elevator Phones	X		X		
Distributed & Monitoring Communications					
Clock System	X		X		
Emergency Strobe System	X		X		
Public Safety Distributed Antenna Systems (DAS)	X		X		
Electronic Safety and Security					
Conduits and Backboxes for Security systems	X		X		
Refer to Security drawings for Security Scope					

GENERAL NEW WORK NOTES

1. READ THE SPECIFICATIONS AND REVIEW DRAWINGS OF ALL DIVISIONS OF WORK. COORDINATE THIS WORK WITH ALL OTHER DIVISIONS OF WORK AND ALL SUBCONTRACTORS.
2. ALL WORK SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS (DIVISION 26, DIVISION 27, DIVISION 28, ETC.) AND THE CUSTOMER PRE-ESTABLISHED STRUCTURED CABLING STANDARDS; SHOULD DIFFERENCES EXIST IN THE SPECIFICATIONS RELATING TO TECHNOLOGY AND THE CLIENT'S PRE-ESTABLISHED STANDARDS THE CONTRACTOR SHALL CONTACT THE LOW VOLTAGE ENGINEER FOR CLARIFICATION THROUGH THE RFI PROCESS.
3. FULLY COORDINATE ALL CABLE TRAY, FIRE STOP CONDUITS / SLEEVES, AND CONDUIT ROUTING WITH STRUCTURAL ELEMENTS. COORDINATE CABLE TRAY AND CONDUIT INSTALLATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR, AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. ROUTING IN CONCRETE SLAB OR UNDER SLAB (WHERE CONDUIT WOULD BE ON GRADE) REQUIRES THE USE OF WET LOCATION RATED CABLES.
4. ALL TELECOMMUNICATIONS CONTINUOUS PATHWAYS SHALL BE BONDED TO THE TELECOMMUNICATIONS BONDING BACKBONE. FOR CONDUITS, INSULATION BUSHINGS SHALL BE USED AT THE END OF THE CONDUIT THE FARTHEST AWAY FROM THE SERVING TR. A BONDING BUSHING SHALL BE USED AT THE END CLOSEST TO THE SERVING TR. CONTRACTOR TO REFER TO THE ANSI-STD-J 607 STANDARD FOR ADDITIONAL INFORMATION AS TO THE INSTALLATION OF THE TELECOMMUNICATIONS BONDING BACKBONE.
5. ALL FIRE RATED WALL / FLOOR ASSEMBLIES PENETRATED FOR TELECOMMUNICATIONS CABLING PATHWAYS SHALL BE FIRE STOPPED WITH THE APPROVED FIRE STOP SYSTEMS (FS). ALL FIRESTOP SYSTEMS SHALL BE INSTALLED AS DIRECTED BY THE MANUFACTURER AND AS SPECIFIED IN DIVISION 07 07 84 00 - "FIRESTOPPING". FIRE STOP ASSEMBLY LOCATIONS ARE TO BE COORDINATED WITH CABLE TRAY PATHWAY TO TELECOMMUNICATIONS ROOM.
6. BACK BOXES AND CONDUIT LOCATIONS IN PRECAST CONCRETE WALLS SHALL BE COORDINATED WITH ARCHITECT, STRUCTURAL ENGINEER, AND GC PRIOR TO ORDERING THE PRECAST WALLS.
7. ROUTING OF CABLES SHALL BE CONCEALED. CABLES SHALL BE ROUTED IN CONDUIT IN EXPOSED AREAS. MINIMIZE AMOUNT OF EXPOSED CONDUIT BY EMBEDDING CONDUIT IN SLAB WHEN POSSIBLE. EMBEDDED CONDUITS AND PENETRATIONS OF STRUCTURE SHALL FOLLOW DETAILS IN STRUCTURAL DRAWINGS. WHEN CONDUITS CAN ONLY BE INSTALLED EXPOSED, NOTIFY ARCHITECT PRIOR TO START OF INSTALLATION OF CONDUITS. CABLES SHALL BE ROUTED IN CONDUIT WHEN ABOVE HARD CEILINGS. CONDUITS FOR ELEVATOR PHONES AND FIRE ALARM CONTROL PANEL SHALL BE CONTINUOUS (HOMERUN) FROM THE TELECOMMUNICATIONS ROOM TO THE APPLICABLE BOX / CABINET. CONTRACTOR SHALL SIZE AND PROVIDE CONDUITS TO MEET TIA-569.
8. TELECOMMUNICATIONS ROOMS SHALL BE DEDICATED FOR INFORMATION TECHNOLOGY USE (I.E. NO SHARED SPACE WITH A JANITOR, FIRE ALARM SYSTEM, ETC.) NO SERVICES SHALL PASS THROUGH THE SPACE UNLESS DEDICATED TO THE SPACE (NO PLUMBING, MECHANICAL, ELECTRICAL, FIRE, ETC.)
9. LOCATIONS AND QUANTITIES SHOWN ON THE DRAWINGS FOR WIRELESS ACCESS POINTS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO BE USED TO ESTIMATE COST OF INSTALLATION OF SYSTEM. 2 3

CALL OUTS

- ENLARGED PLAN CALLOUT
- NOT IN SCOPE

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MCKEES ROCK, PA 14136
P: 844.231.7042

PSW Job Number:
993A

Henderson Job Number:
2150002607

STATE OF ARKANSAS
APRIL L HALLING
LICENSED PROFESSIONAL ENGINEER
No. 18598
03/06/2025

AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS

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1	03.10.23	Addendum 1
2	12.12.24	PR-BBR
3	03.06.25	PR-BBR

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TECHNOLOGY GENERAL NOTES AND LEGEND

CERTIFICATE OF AUTHORIZATION
HENDERSON ENGINEERS, INC.
No. 484
ARKANSAS ENGINEERS

THIS PAGE IS BEST VIEWED IN COLOR

TN000

APRIL L HALLING

TECHNOLOGY PLAN NOTES:

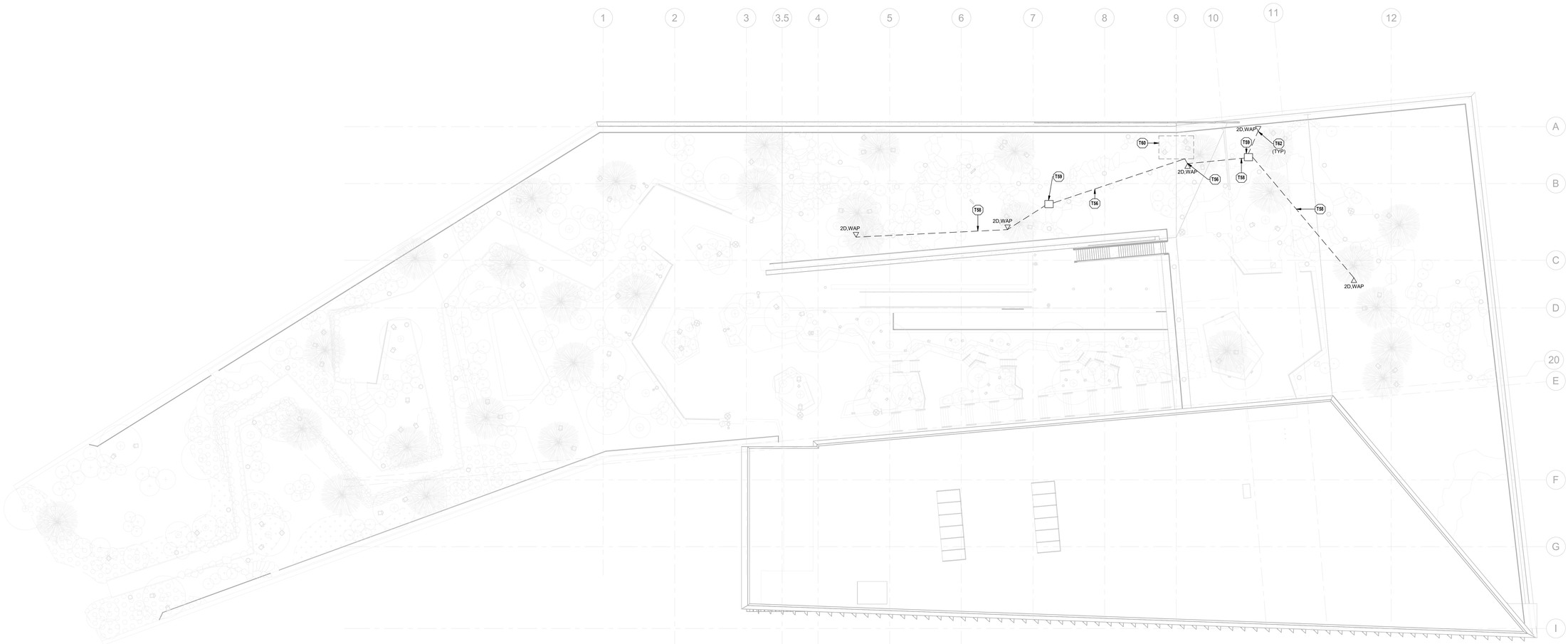
T56 PROVIDE (1) 2" CONDUIT FOR DATA FROM DATA ROOM #3504 TO WIRELESS ACCESS POINT IN BOLLARD. SEE DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

T58 PROVIDE (1) 2" CONDUIT FOR DATA FROM WIRELESS ACCESS POINT IN BOLLARD TO WIRELESS ACCESS POINT IN BOLLARD. SEE DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

T59 PROVIDE PULL BOX. SEE DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

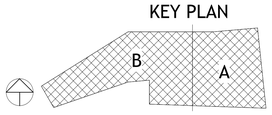
T60 APPROXIMATE LOCATION OF DATA ROOM #3504 ON LEVEL 3.

T62 PROVIDE (1) CAT6A FROM DATA ROOM #3504 TO WIRELESS ACCESS POINT IN BOLLARD.



1 TELECOM SITE PLAN - ROOF
1/16" = 1'-0"

KEY PLAN



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Contents:
TELECOM SITE PLAN - ROOF

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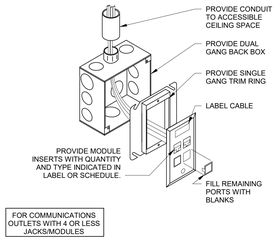

1 SINGLE GANG COMM OUTLET
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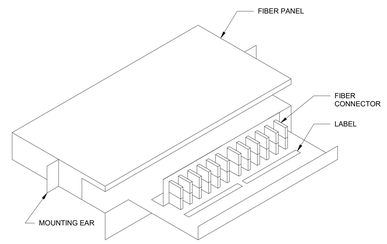

2 FIBER PANEL
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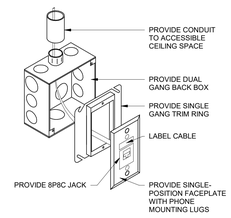

3 WALL PHONE OUTLET
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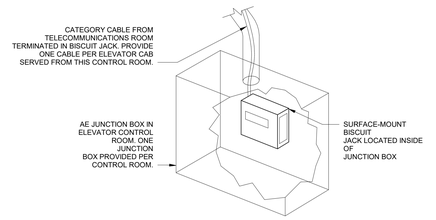

4 COMM OUTLET FOR ELEVATOR - LAND LINE
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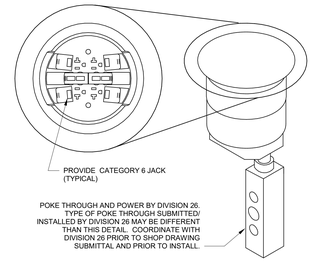

5 POKE THROUGH
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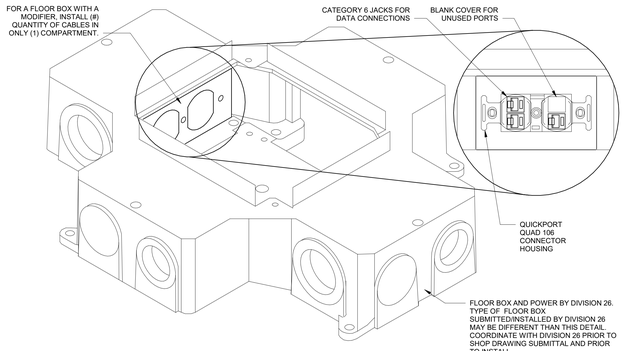

6 FLOOR BOX
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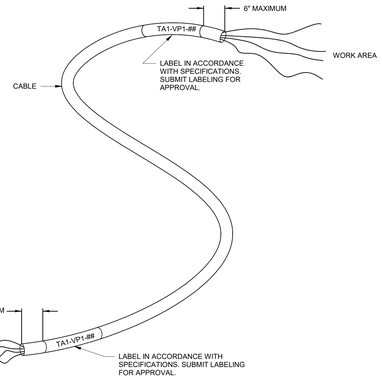

7 LABELING OF HORIZONTAL CABLE
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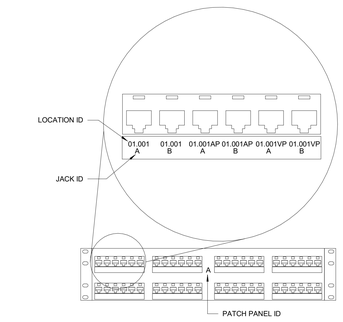

8 TYPICAL PATCH PANEL LABELING DETAIL
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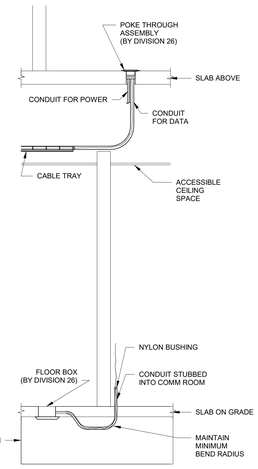

9 CABLE ROUTING FOR POKE THROUGHS AND FLOOR BOXES
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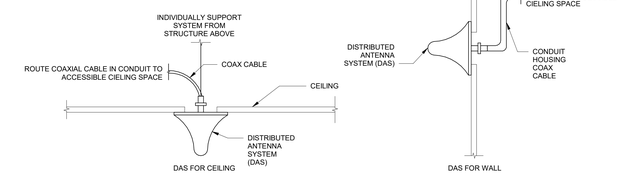

10 DAS INSTALLATION
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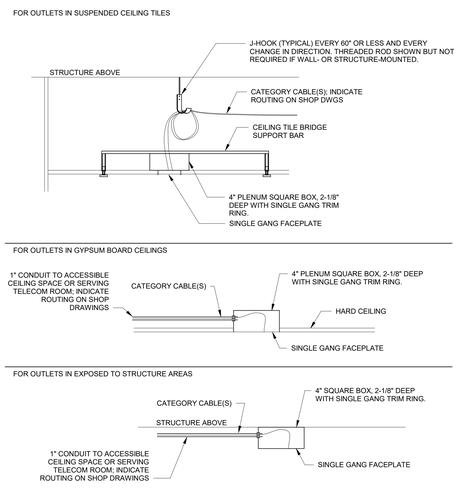

11 CEILING COMM OUTLET
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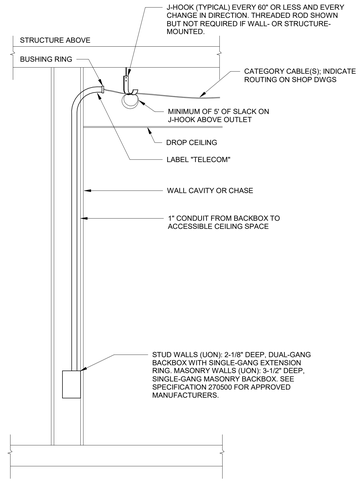

12 COMMUNICATIONS OUTLET MOUNTING
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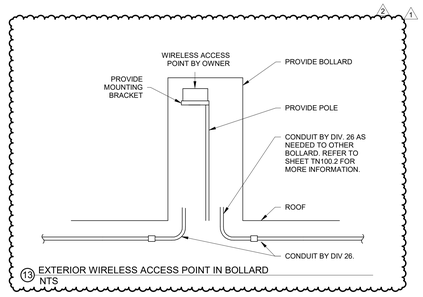

13 EXTERIOR WIRELESS ACCESS POINT IN BOLLARD
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Henderson Job Number:
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STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18598
APRIL L. HALLING
03/06/2025

AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS

NUMBER	DATE	DESCRIPTION
1	12.12.24	PR-089
2	03.06.25	PR-089R

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TECHNOLOGY DETAILS

TN500

APRIL L HALLING

SECURITY PLAN NOTES:

TY4 ALL CAMERAS SHALL HAVE CATEGORY CABLING TERMINATED BACK TO 4TH FLOOR IDF, DATA 4104, WITH POE INJECTORS SUPPLIED AS REQUIRED TO MEET MULTISENSOR/PTZ VOLTAGE REQUIREMENTS. EACH POE INJECTOR SHALL REQUIRE A 120V CONNECTION. CONTRACTOR SHALL UTILIZE DUPLEXES IN DATA RACKS FOR POWER REQUIREMENTS

REFER TO TN SERIES PLANS FOR SERVING ZONE INFROMATION.

1 SECURITY PLAN - ROOF - AREA A Copy 1
1/8" = 1'-0"

KEY PLAN

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TY105A

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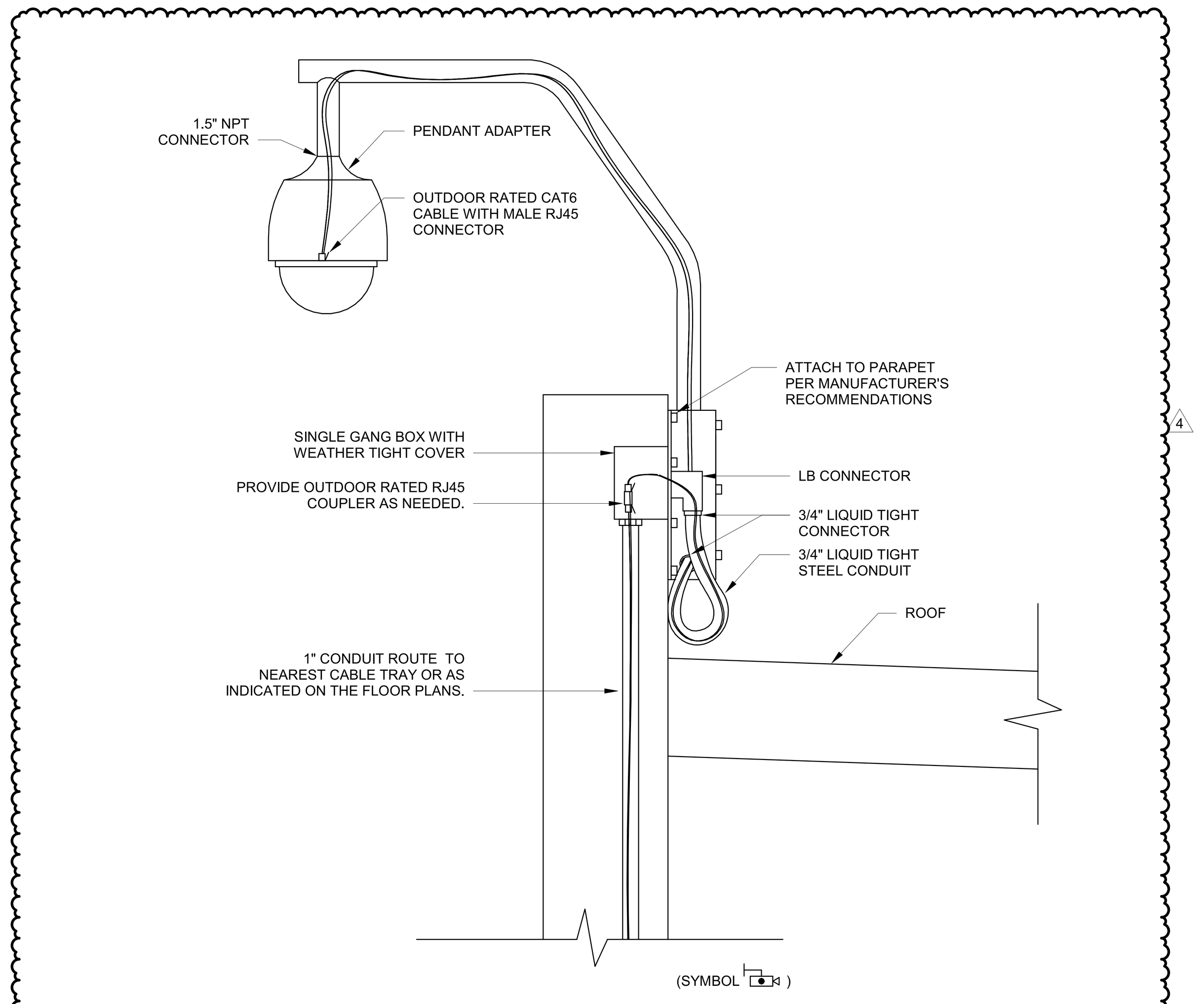
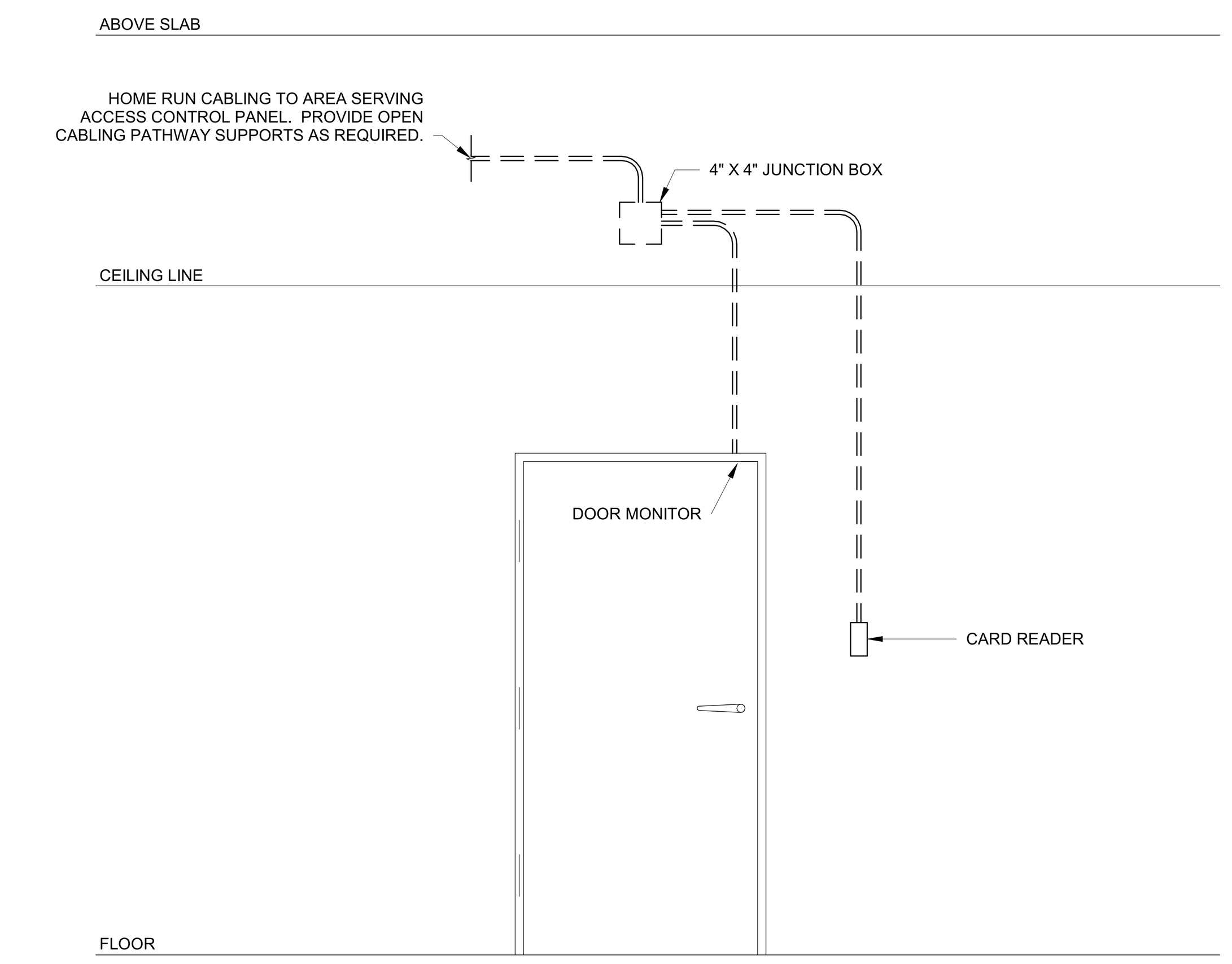
SECURITY - LEVEL 5 PLAN - ROOF AREA A



7 EXTERIOR ROOF MOUNTED CAMERA - PARAPET
12" = 1'-0"



1 TYPICAL ACCESS CONTROL PATHWAY ROUTING
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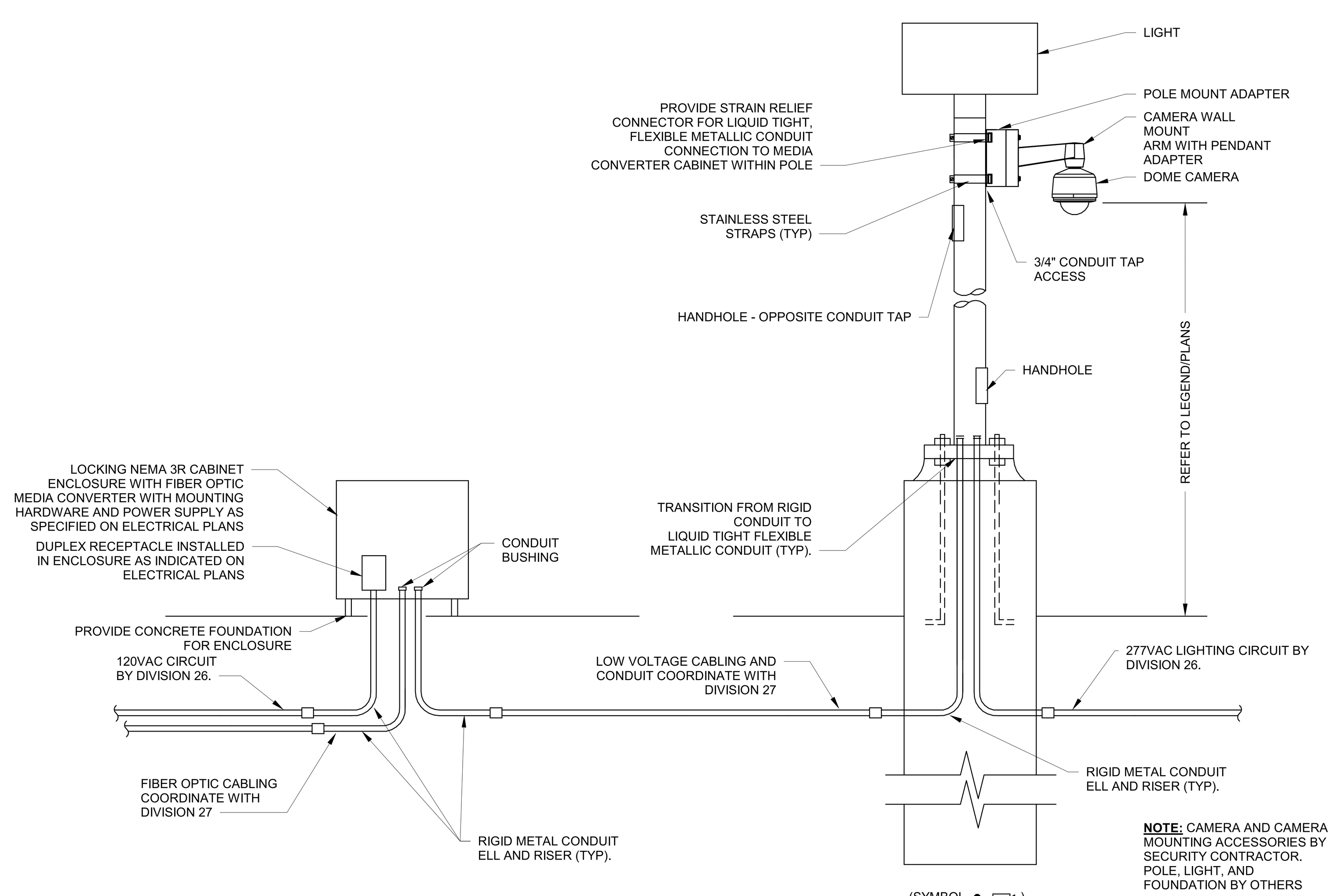

4 EXTERIOR POLE MOUNTED CAMERA
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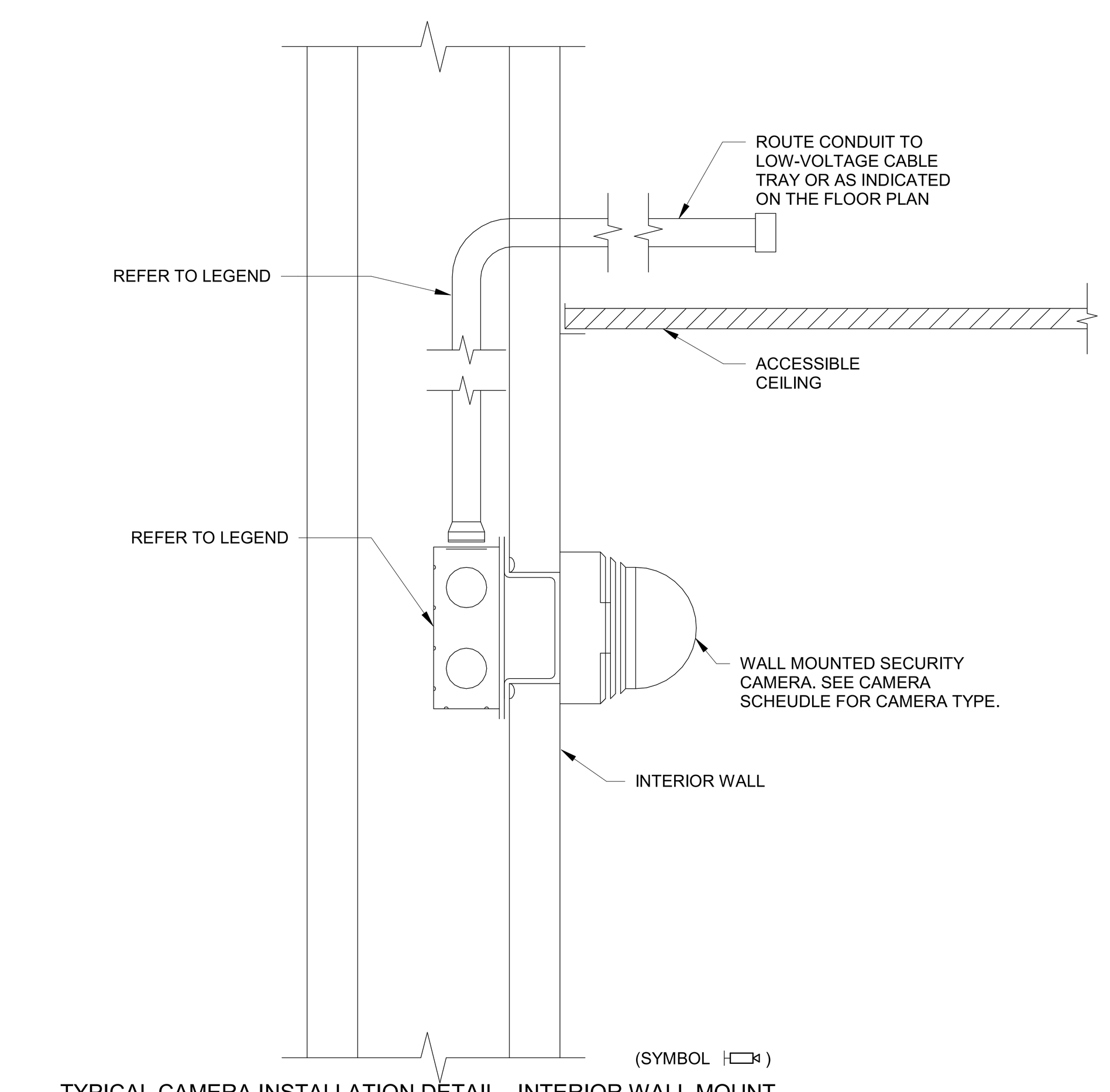
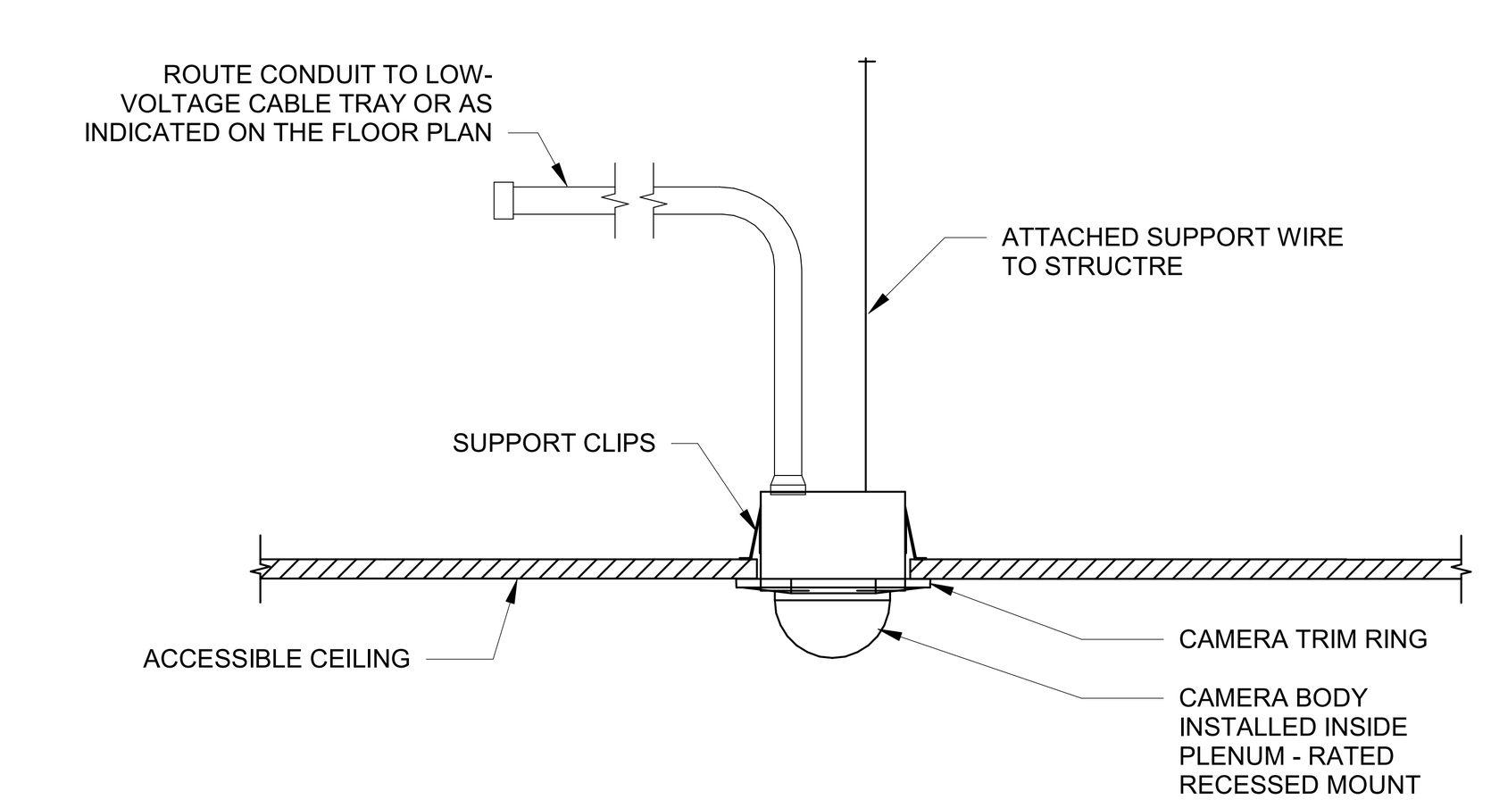
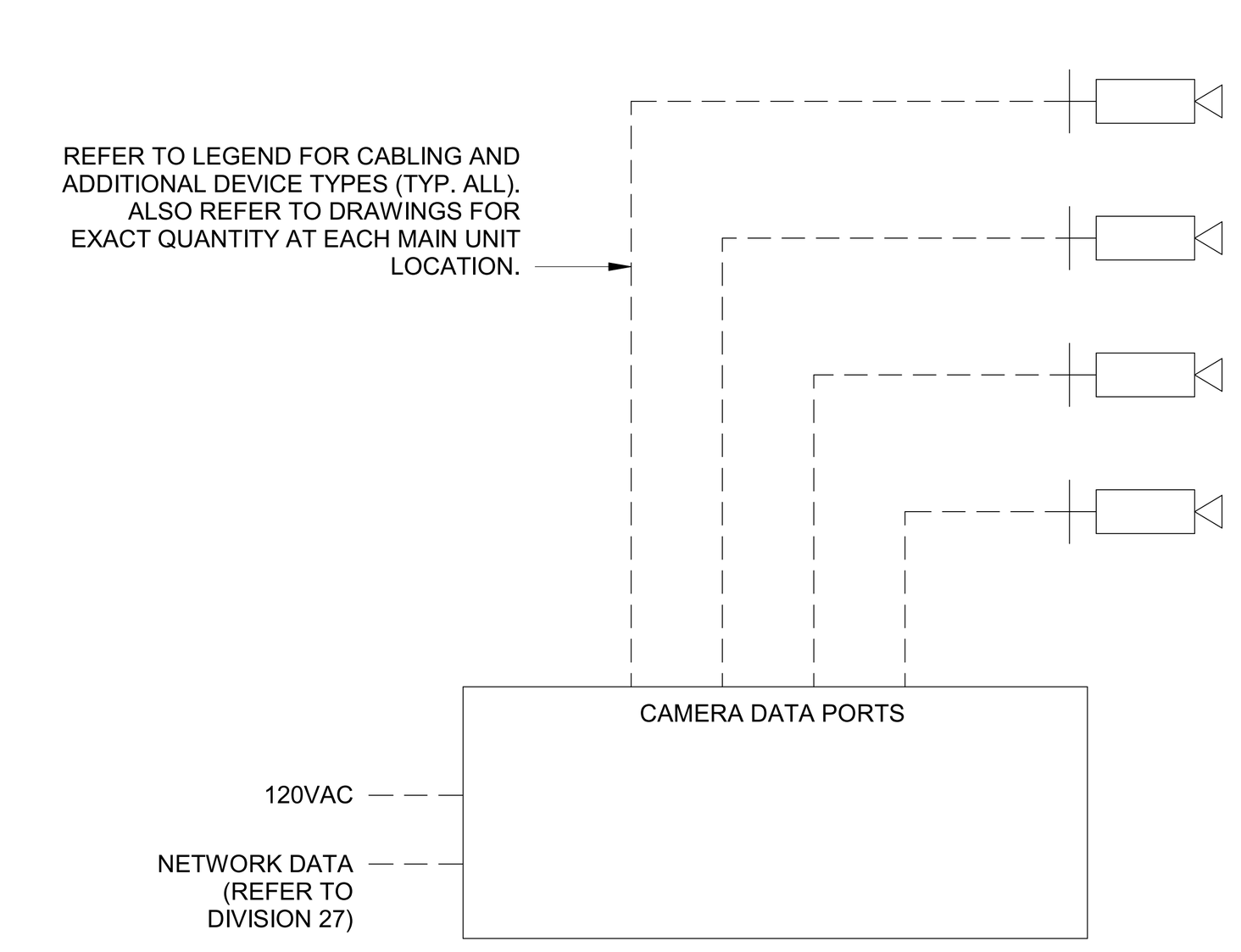


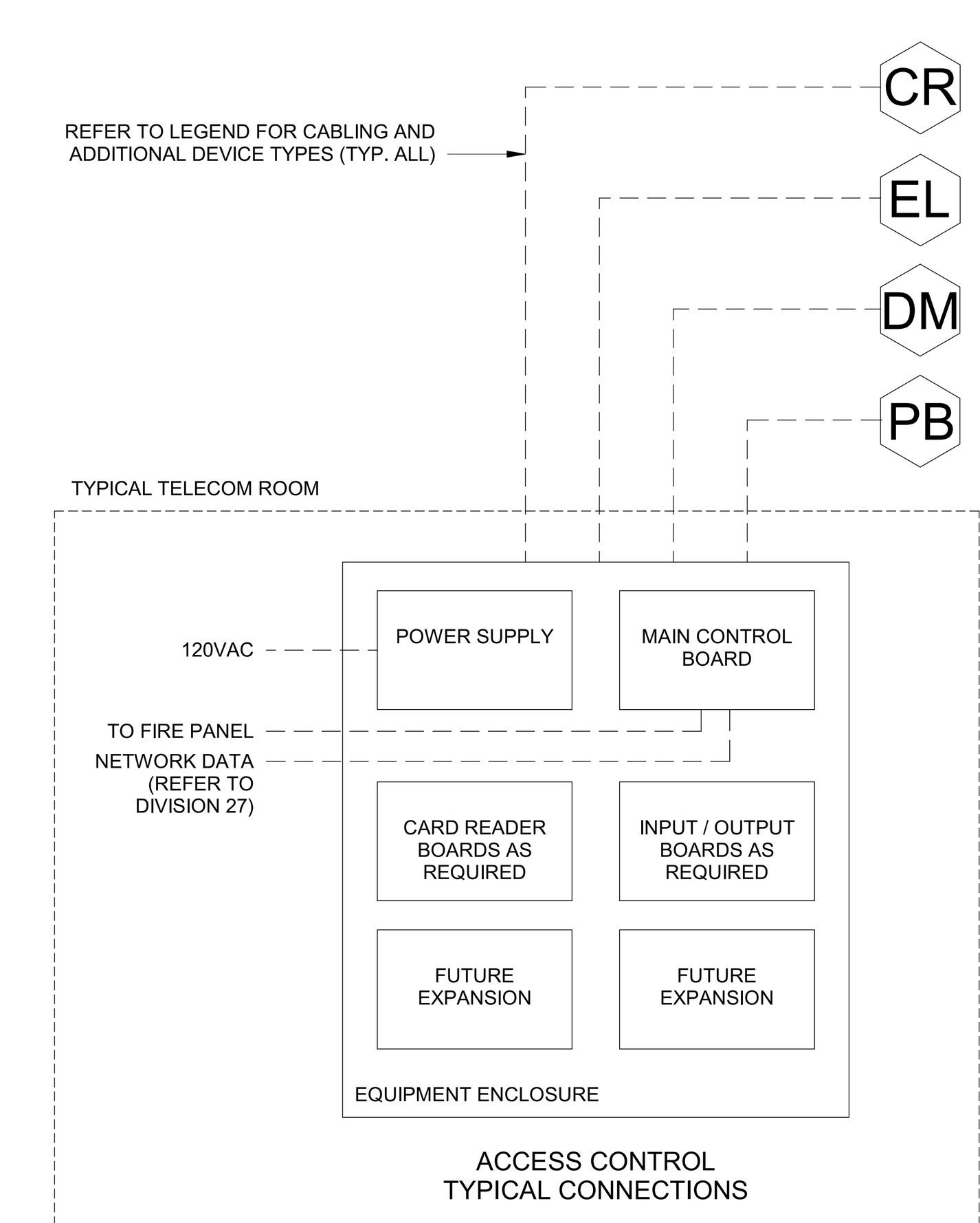
3 TYPICAL CAMERA INSTALLATION DETAIL - INTERIOR WALL MOUNT SURFACE
12" = 1'-0"



2 TYPICAL CAMERA INSTALLATION DETAIL - INTERIOR CEILING MOUNT RECESSED
12" = 1'-0"



6 AXIS FA SERIES CAMERA MAIN UNIT RISER
12" = 1'-0"



5 EXTERIOR POLE MOUNTED CAMERA
12" = 1'-0"

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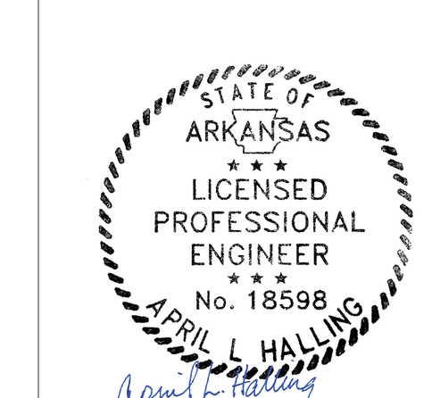

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