

**POWER PLAN GENERAL NOTES**

- 1 FINAL LOCATION OF ALL EQUIPMENT SHALL BE DETERMINED IN THE FIELD AND SHALL BE INSTALLED AS DIRECTED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL WALLS AND FLOORS AS REQUIRED TO PERMIT PASSAGE OF CONDUITS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A MARKED-UP PLAN WITH LOCATION PENETRATIONS FOR REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER BEFORE ROUGH-IN BEGINS.
- 2 RECEPTACLES FOR ALL EQUIPMENT SHALL BE COMPLETE WITH PLUGS FOR THIS EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL VERIFY NEMA CONFIGURATIONS OF PLUGS AND RECEPTACLES FOR EQUIPMENT IN THE SPACE.
- 3 DURING THE BIDDING PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES (ARCHITECTURAL, HVAC, PLUMBING AND SPECIALTY TRADES). ALL ITEMS REQUIRING POWER INDICATED ON THESE DRAWINGS BUT NOT INDICATED ON THE ELECTRICAL DRAWINGS SHALL BE CONSIDERED A PART OF THE ELECTRICAL CONTRACTOR'S WORK. THIS WORK SHALL BE INSTALLED AS PER NEC REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
- 4 THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MAKE ALL FEEDER RUNS CONTINUOUS (NO CABLE BREAKS). IF SPLICING CABLES IN BOXES BECOMES NECESSARY, USE O.Z.G. TYPE "XW" CABLE TAPS, OR APPROVED EQUAL, AND TAPE EACH TAP IN APPROVED MANNER.
- 5 THE MECHANICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES, VFD'S, OR COMBINATION STARTERS FOR ALL OF THEIR UNITS. THE ELECTRICAL CONTRACTOR SHALL RECEIVE THESE ITEMS FROM THE MECHANICAL CONTRACTOR FOR INSTALLATION BY THE ELECTRICAL CONTRACTOR.
- 6 PERFORM GROUND PENETRATING RADAR (GPR) SCANNING OF FLOORS/WALLS PRIOR TO MAKING ANY PENETRATIONS OR CORE DRILLING.
- 7 REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
- 8 PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS.
- 9 PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS. REFER TO PANELBOARD SCHEDULES.
- 10 REFER TO EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL REQUIREMENTS AND CIRCUIT DESIGNATIONS.
- 11 ROUTE CONDUIT HIGH AGAINST STRUCTURE AND OFFSET UP BETWEEN JOISTS WHERE NECESSARY TO AVOID DUCT WORK AND HVAC SYSTEM.
- 12 VERIFY AND COORDINATE EXACT ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF EQUIPMENT.
- 13 PROVIDE TAMPER RESISTANT RECEPTACLES IN WAITING ROOMS, LOUNGES, AND LOBBY AREAS.

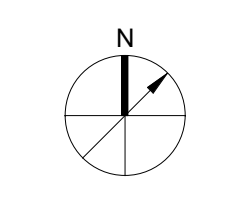
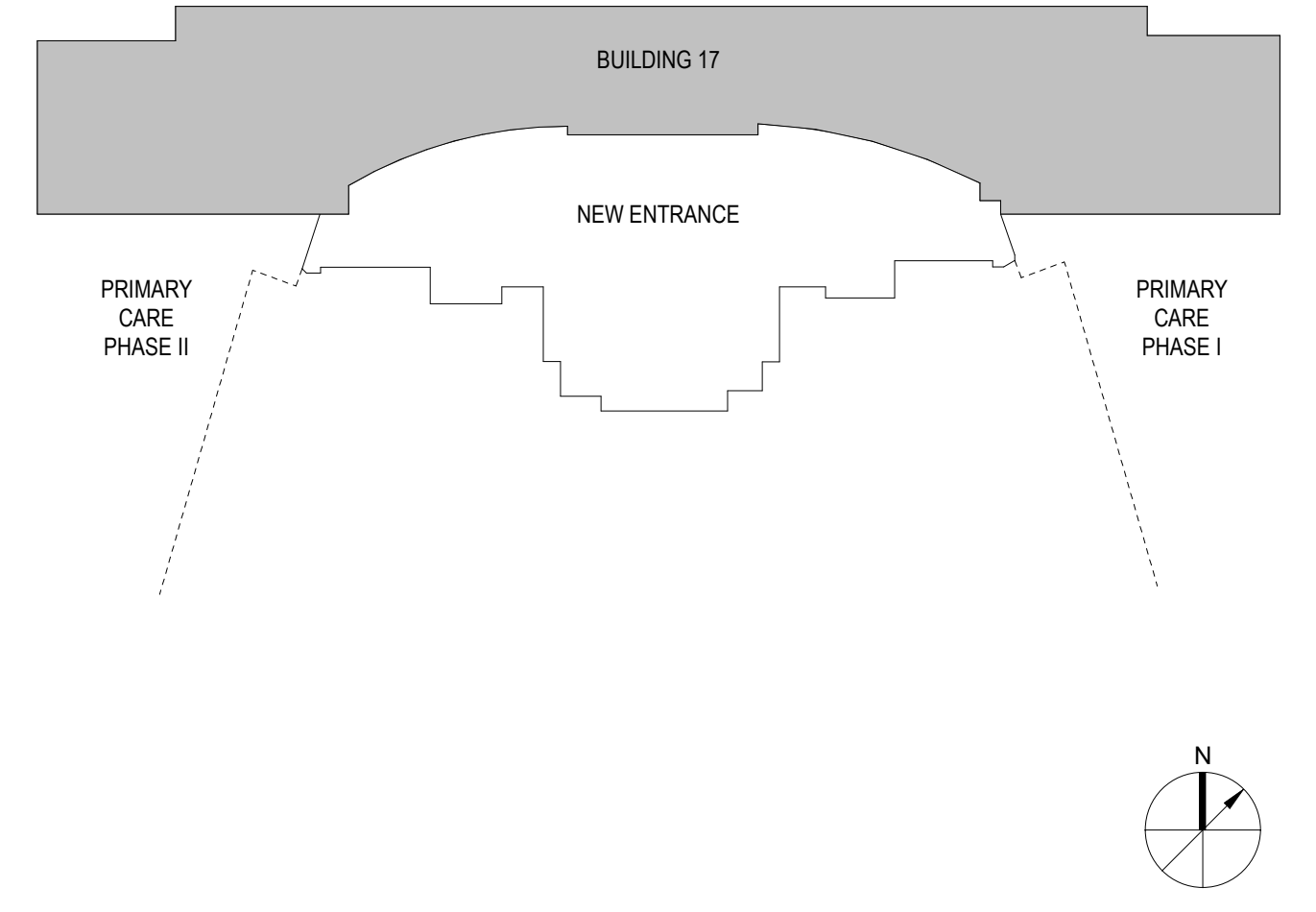
**POWER PLAN KEYNOTES**

- 1 TWO GANG RECESSED FLOOR BOX - LEGRAND OMINBOX CAST IRON (2) - 1" CONDUITS TO ELECTRIC CLOSET 107. PROVIDE AND INSTALL BLANK COVER PLATE - FLUSH WITH FLOOR.
- 2 CONNECT TO ADJACENT RECEPTACLE CIRCUIT.

**TEMPORARY ENTRANCE NOTES**

- 1 THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ALL EXISTING CONDITIONS MODIFIED BY THE TEMPORARY ENTRANCE WORK FOR THE PURPOSE OF RECONSTRUCTION OF ALL EXISTING CONDITIONS AT THE END OF THE PROJECT. THIS INCLUDES DECONSTRUCTION OF ALL TEMPORARY ENTRANCE WORK, RESTORATION OF ALL EXISTING EXTERIOR SITE CONDITIONS, RECONSTRUCTION OF ALL EXISTING ROOMS, SYSTEMS, AND FINISHES, AND INFILL OF EXTERIOR WALL CONSTRUCTION.
- 2 THE TEMPORARY ENTRANCES MUST BE COMPLETED BEFORE CONSTRUCTION ON THE NEW ENTRYWAY MAY BEGIN. MAINTAIN ACCESS TO TEMPORARY ENTRANCE AND ALL OTHER EGRESS POINTS FROM BUILDING 17 AND THE PRIMARY CARE BUILDING AT ALL TIMES.

1 GROUND FLOOR POWER PLAN  
E301 1/8" = 1'-0"



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#	Revisions	Date

Consultant

**WOODS · PEACOCK**  
ENGINEERING CONSULTANTS

**KOFFEL ASSOCIATES** Fire Protection ENGINEERS

**Pennoni**

Architect/Engineer of Record

**AE WORKS.**

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418 Beaver Street  
Sewickley, PA 15143  
Phone: 412-287-7333  
www.aeworks.com

Stamp

Professional Engineer Seal for Matthew P. Murphy, License No. 057008, State of Pennsylvania.

October 25, 2022

**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**GROUND FLOOR POWER AND SYSTEMS PLAN**

Approved:

Phase  
**BID DOCUMENTS**

Sprinkler Status  
**FULLY SPRINKLERED**

Project Title  
**NEW ENTRYWAY FOR BUILDING 17**

Location  
1700 S LINCOLN AVENUE LEBANON, PA 17042

Issue Date  
10.26.2022

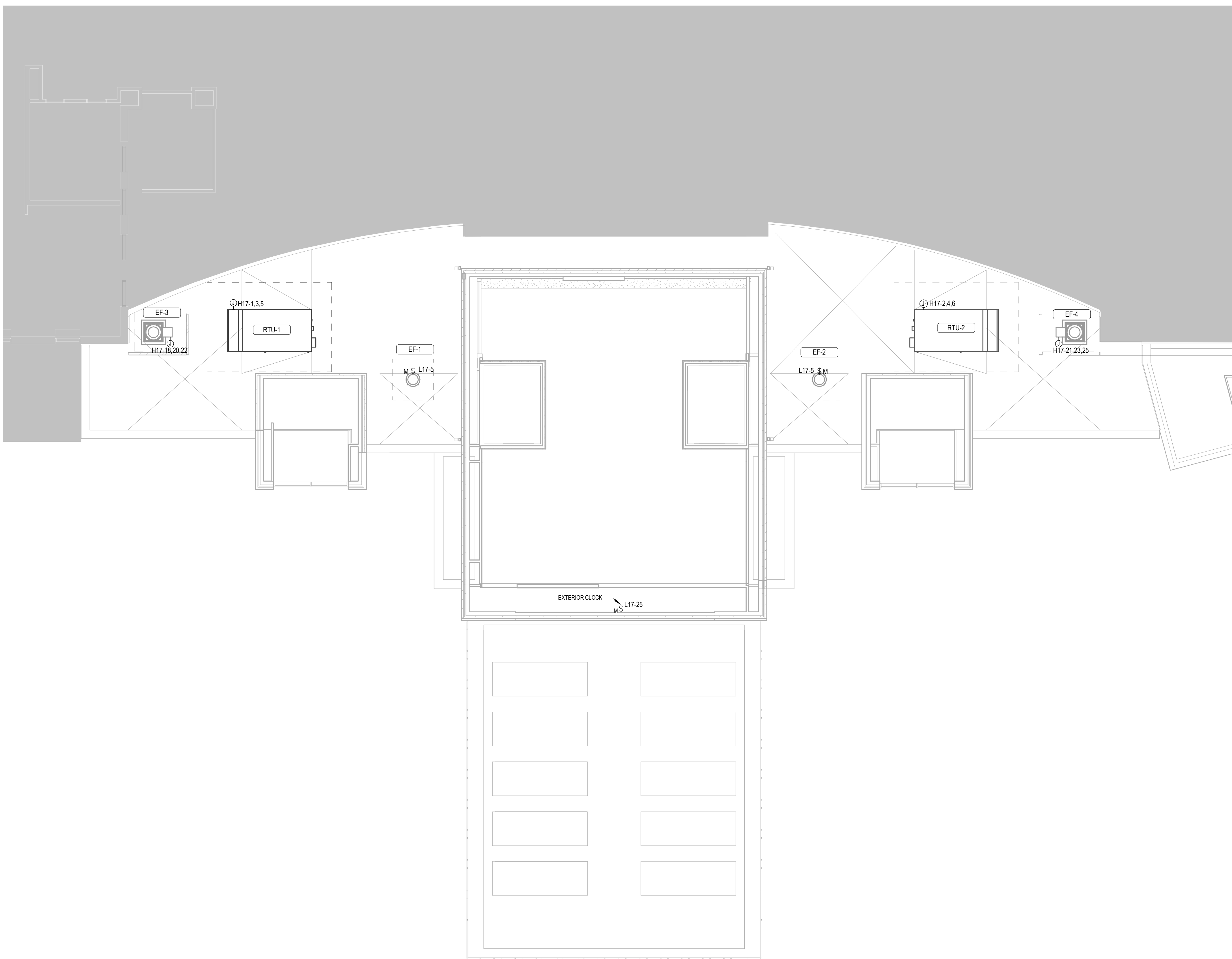
Checked  
BK

Drawn  
MM

Project Number  
595-668

Building Number  
17

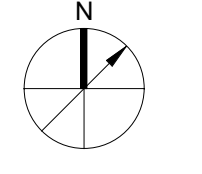
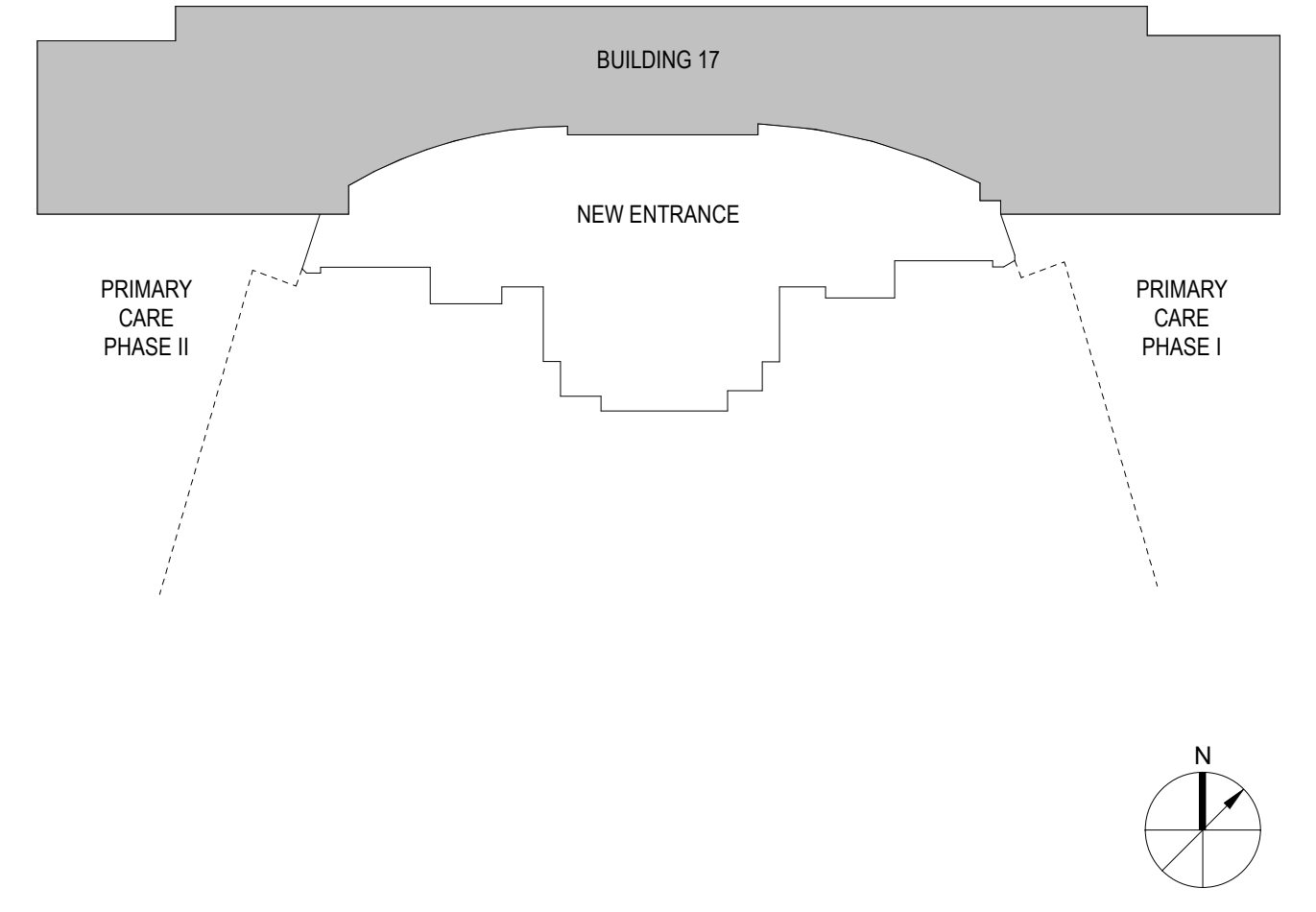
Drawing Number  
**E301**



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1 ROOF POWER AND SYSTEMS PLAN  
E302  
1/8" = 1'-0"



#	Revisions	Date

Consultant

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Sewickley, PA 15143  
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www.aeworks.com

Stamp

PROFESSIONAL ENGINEER  
MATTHEW P. MURPHY  
E-057000  
PENNSYLVANIA  
October 25, 2022

**OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
ROOF POWER PLAN

Approved:

Phase  
BID DOCUMENTS

Sprinkler Status  
FULLY SPRINKLERED

Project Title  
NEW ENTRYWAY FOR BUILDING 17

Location  
1700 S LINCOLN AVENUE LEBANON, PA 17042

Issue Date  
10.26.2022

Checked  
BK

Drawn  
MM

Project Number  
595-668

Building Number  
17

Drawing Number  
**E302**

EXISTING PANEL 17LS1. RATINGS: 208Y/120, 100 AMP, 10,000 AMP SYMMETRICAL. MAINS TYPE: MCB. MCB RATING: 125.0 A. LOCATION: ELEC. CLOSET 107. FED FROM: XFMR. MOUNTING: SURFACE.

PANEL L17. RATINGS: 208Y/120, 100 AMP, 10,000 AMP SYMMETRICAL. MAINS TYPE: MCB. MCB RATING: 100.0 A. LOCATION: ELEC. CLOSET 107. FED FROM: XFMR. MOUNTING: SURFACE.

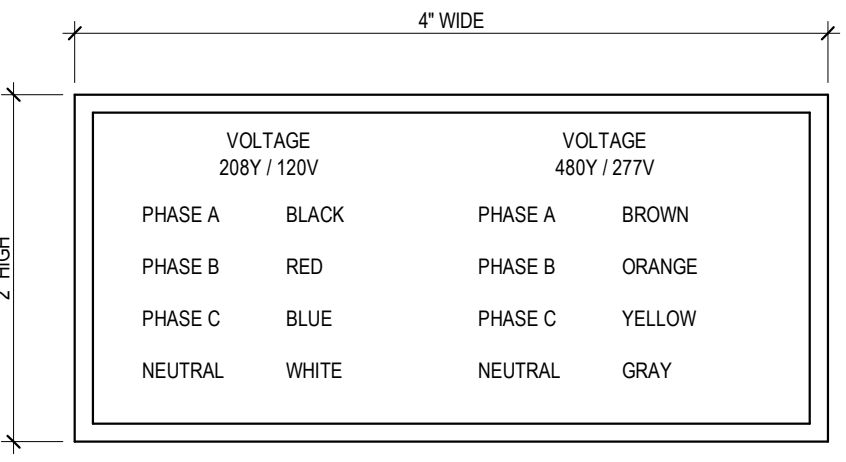
PANEL H17. RATINGS: 480Y/277, 600 AMP, 10,000 AMP SYMMETRICAL. MAINS TYPE: MCB. MCB RATING: 60A. LOCATION: ELEC. CLOSET 107. FED FROM: XFMR. MOUNTING: SURFACE.

EXISTING PANEL LS1. RATINGS: 208Y/120, 100 AMP, 10,000 AMP SYMMETRICAL. MAINS TYPE: MCO. LOCATION: ELECTRIC-173. FED FROM: MOUNTING: SURFACE.

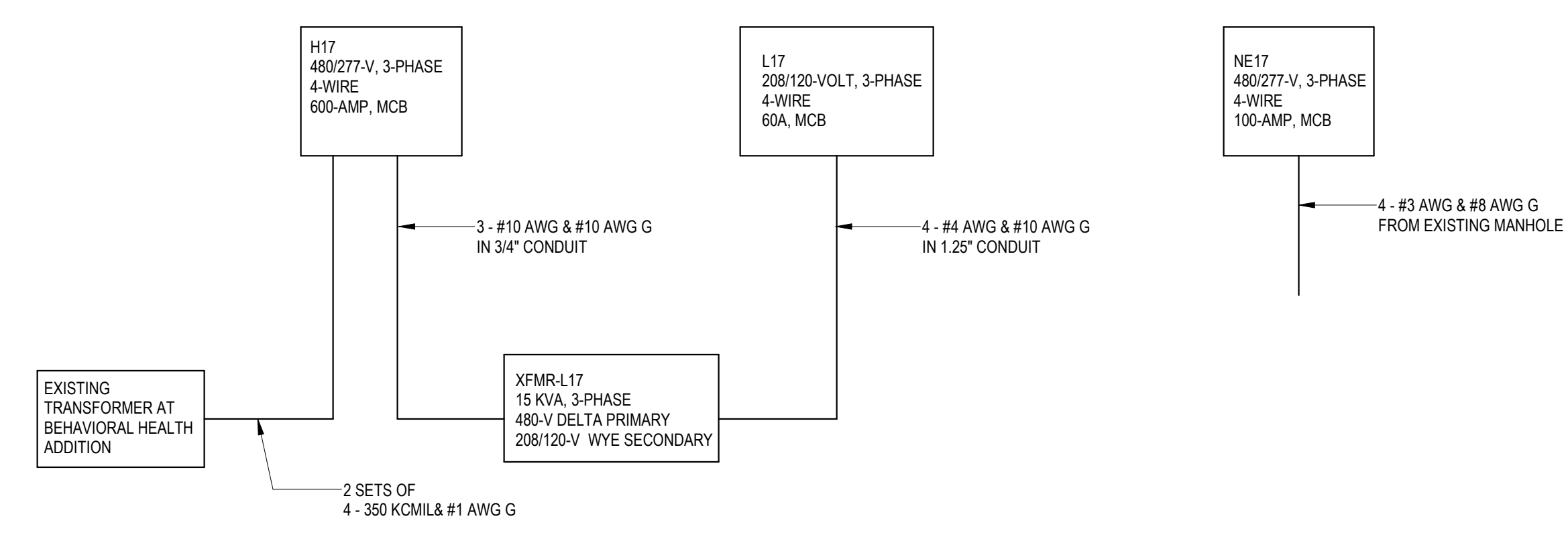
PANEL NE17. RATINGS: 480Y/277, 600 AMP, 10,000 AMP SYMMETRICAL. MAINS TYPE: MCB. MCB RATING: 100.0 A. LOCATION: ELEC. CLOSET 107. FED FROM: MOUNTING: SURFACE.

MECHANICAL EQUIPMENT WIRING SCHEDULE. TABLE with columns: NAME, VOLTAGE, WIRE & CONDUIT, DISCONNECT DEVICE.

LIGHTING FIXTURE SCHEDULE. TABLE with columns: TYPE, DESCRIPTION, MANUFACTURER, MODEL NUMBER, LAMP, VOLT, VA, NOTE.



- NOTES: 1. LABEL SHALL BE DISPLAYED ON ALL SWITCHBOARDS, PANELBOARDS, TRANSFER SWITCHES AND PULLBOXES (MULTIPLE VOLTAGES)...



PROPOSED ELECTRICAL ONE LINE DIAGRAM 1" = 1'-0"

- GENERAL NOTES: A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ACTUAL CEILING CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND FURNISH ALL LUMINAIRES WITH THE CORRECT MOUNTING DEVICES...

- SCHEDULE NOTES: 1. NUMBER OF FACE AND ARROW DIRECTIONS FOR EXIT SIGNS SHALL BE AS SHOWN ON THE PLANS. 2. AIM E FIXTURES AT 90 DEGREE ANGLE FROM VERTICAL.

A B C D E F

A B C D E F

Project information block including Consultant (WOODS · PEACOCK), Architect/Engineer of Record (AE WORKS), Office of Construction and Facilities Management, Drawing Title (ELECTRICAL SCHEDULES), Phase Bid Documents, Project Title (NEW ENTRYWAY FOR BUILDING 17), Project Number (595-668), Building Number (17), Drawing Number (E401), Location (1700 S LINCOLN AVENUE LEBANON, PA 17042), Issue Date (10.26.2022), Checked (BK), Drawn (MM).

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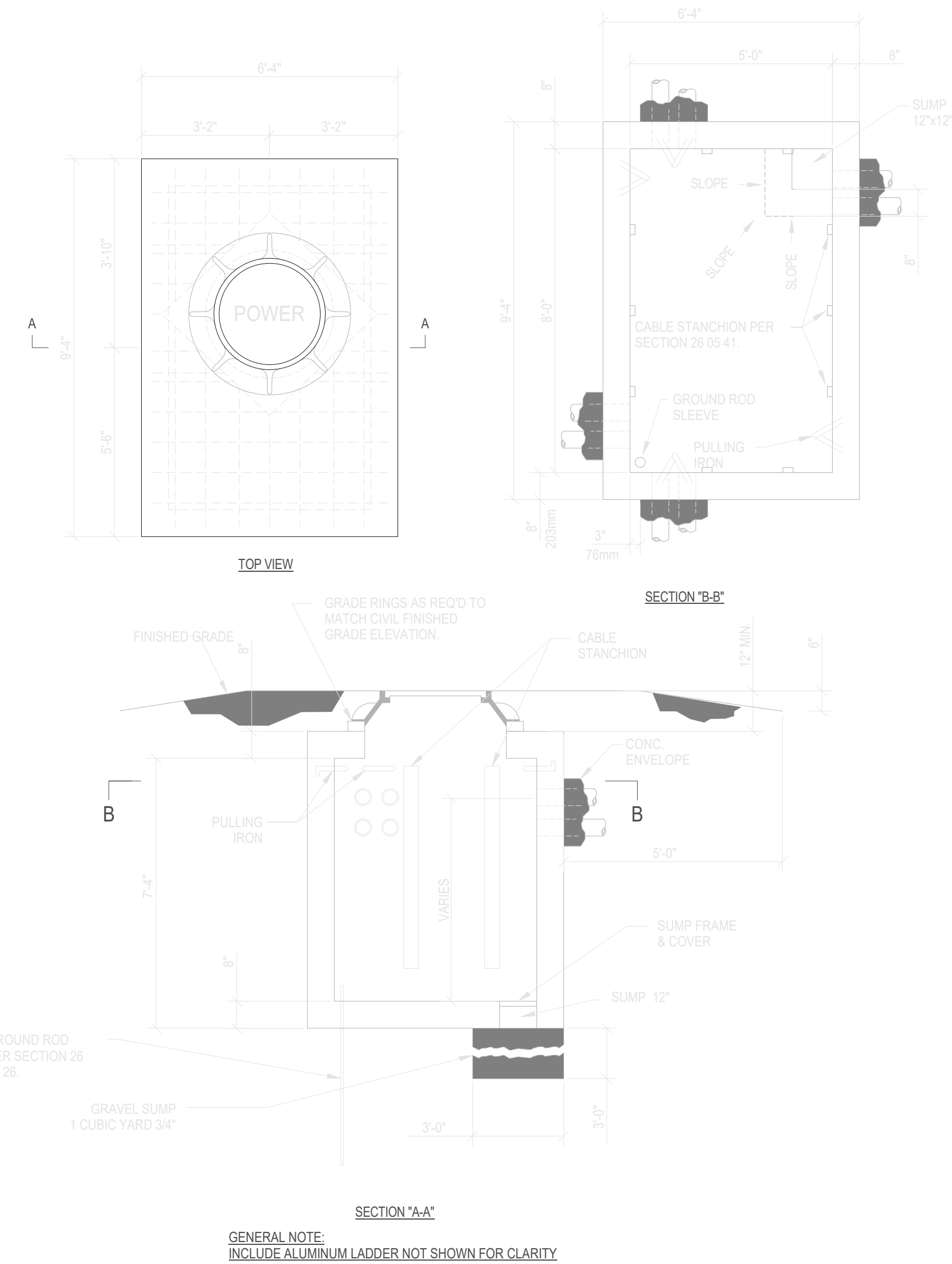
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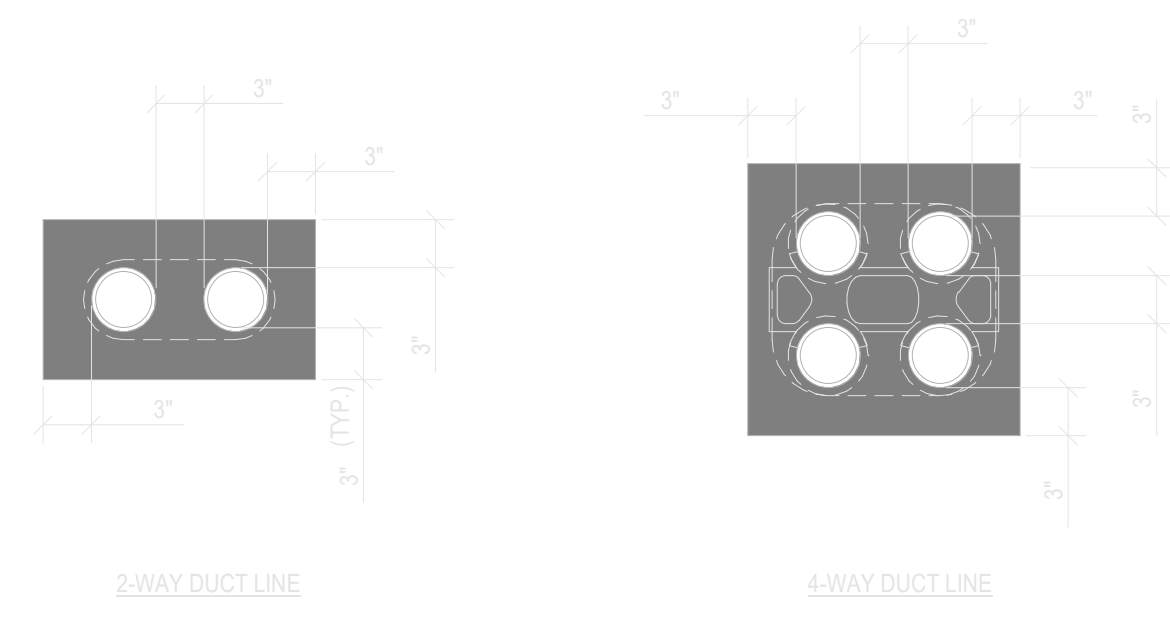
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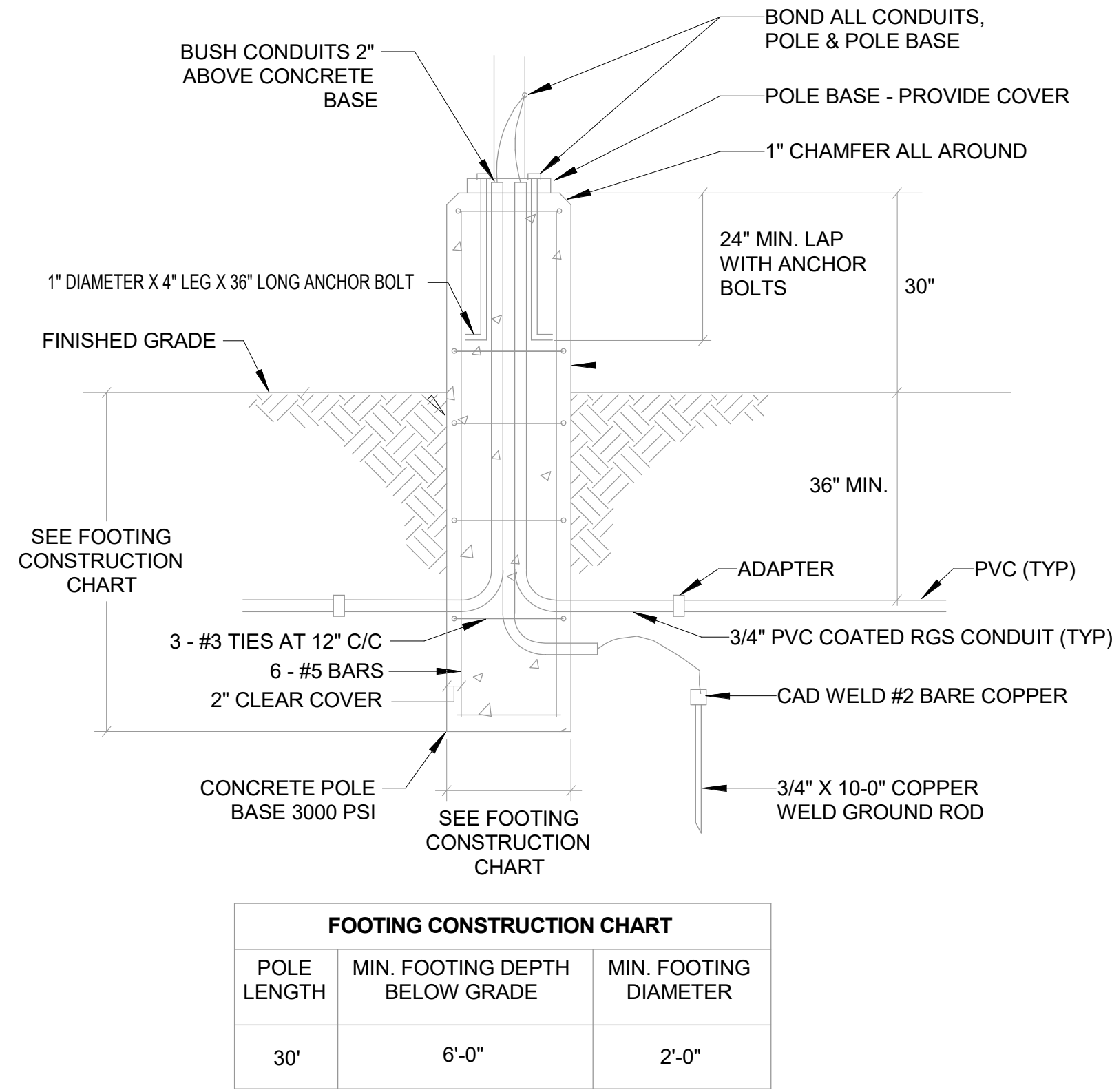


1 ELECTRICAL MANHOLE DETAIL  
E501 NOT TO SCALE

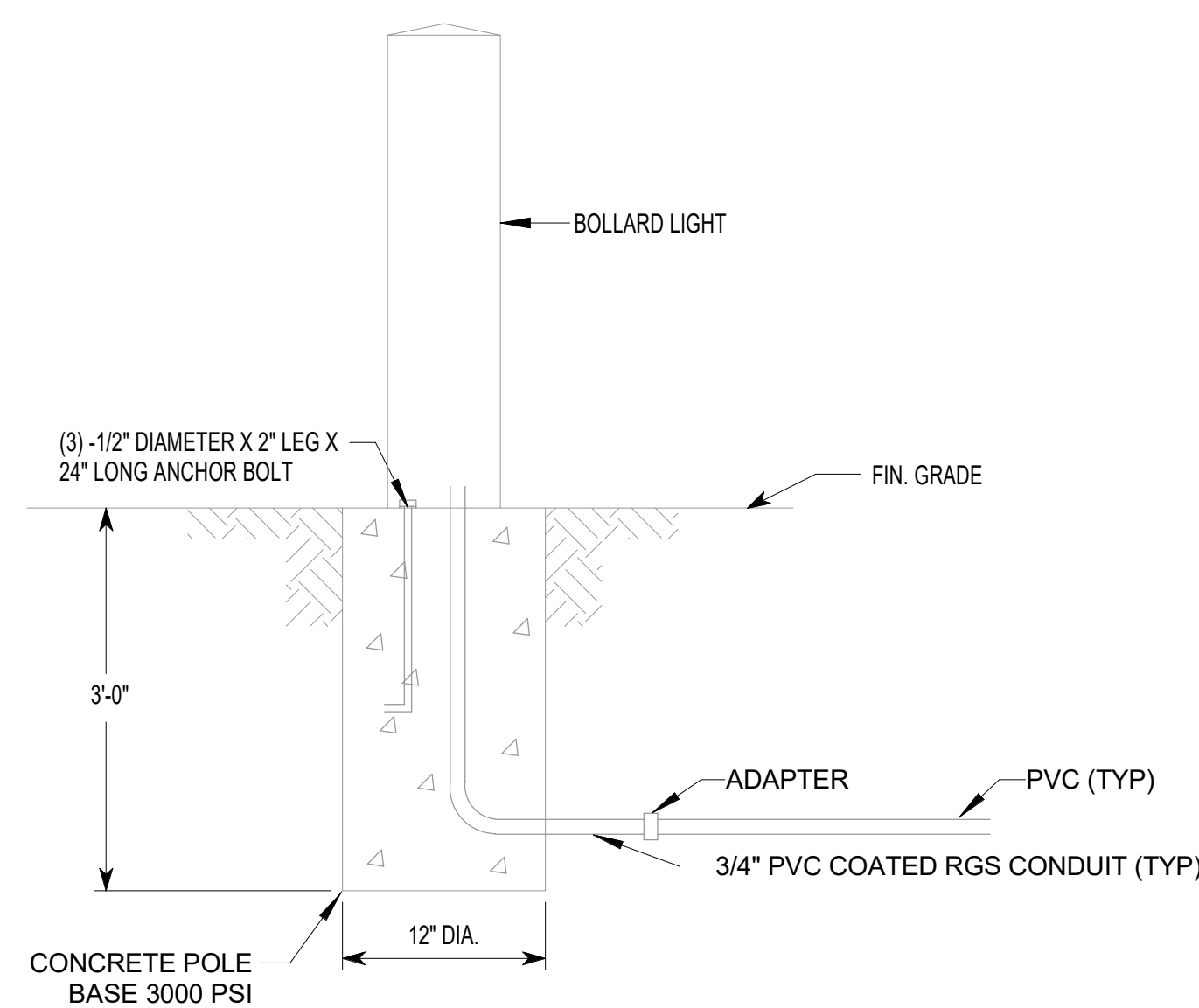


- GENERAL NOTES:
1. CONCRETE SHALL BE 2000 P.S.I. @ 28 DAYS.
  2. PROVIDE #4 REINFORCING RODS ON TOP AND BOTTOM OF DUCTS WHEN CROSSING OR PLACED IN ROADWAYS.
  3. MINIMUM COVER TO TOP OF ENVELOPE SHALL BE 24" OR AS OTHERWISE SPECIFIED IN SECTION 26 05 41.
  4. PROVIDE MINIMUM 6" SPACE BETWEEN POWER AND TELECOMMUNICATION DUCTS. INCREASE SIZE AS REQUIRED.

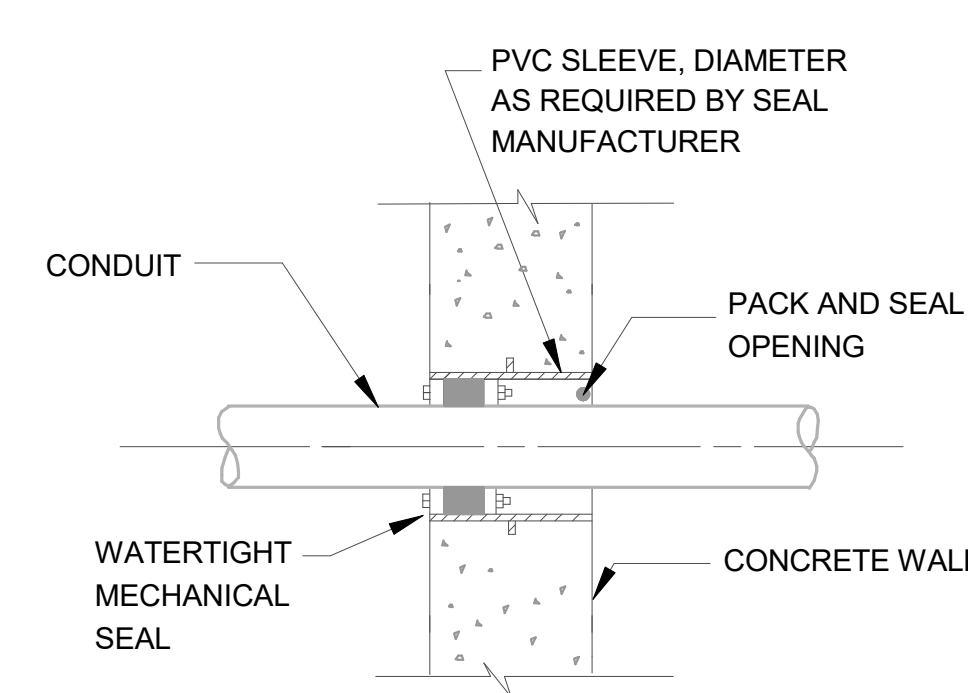
2 ELECTRICAL DUCT BANK DETAIL  
E501 NOT TO SCALE



3 LIGHT POLE DETAIL  
E501 NOT TO SCALE



4 LIGHTING BOLLARD DETAIL  
E501 NOT TO SCALE



5 LINK SEAL DETAIL  
E501 NOT TO SCALE

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#	Revisions	Date

Consultant  
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 Sewickley, PA 15143  
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Stamp  
  
 October 25, 2022

OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT  
**VA** U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL DETAILS**  
 Approved:

Phase  
**BID DOCUMENTS**  
 Sprinkler Status  
**FULLY SPRINKLERED**

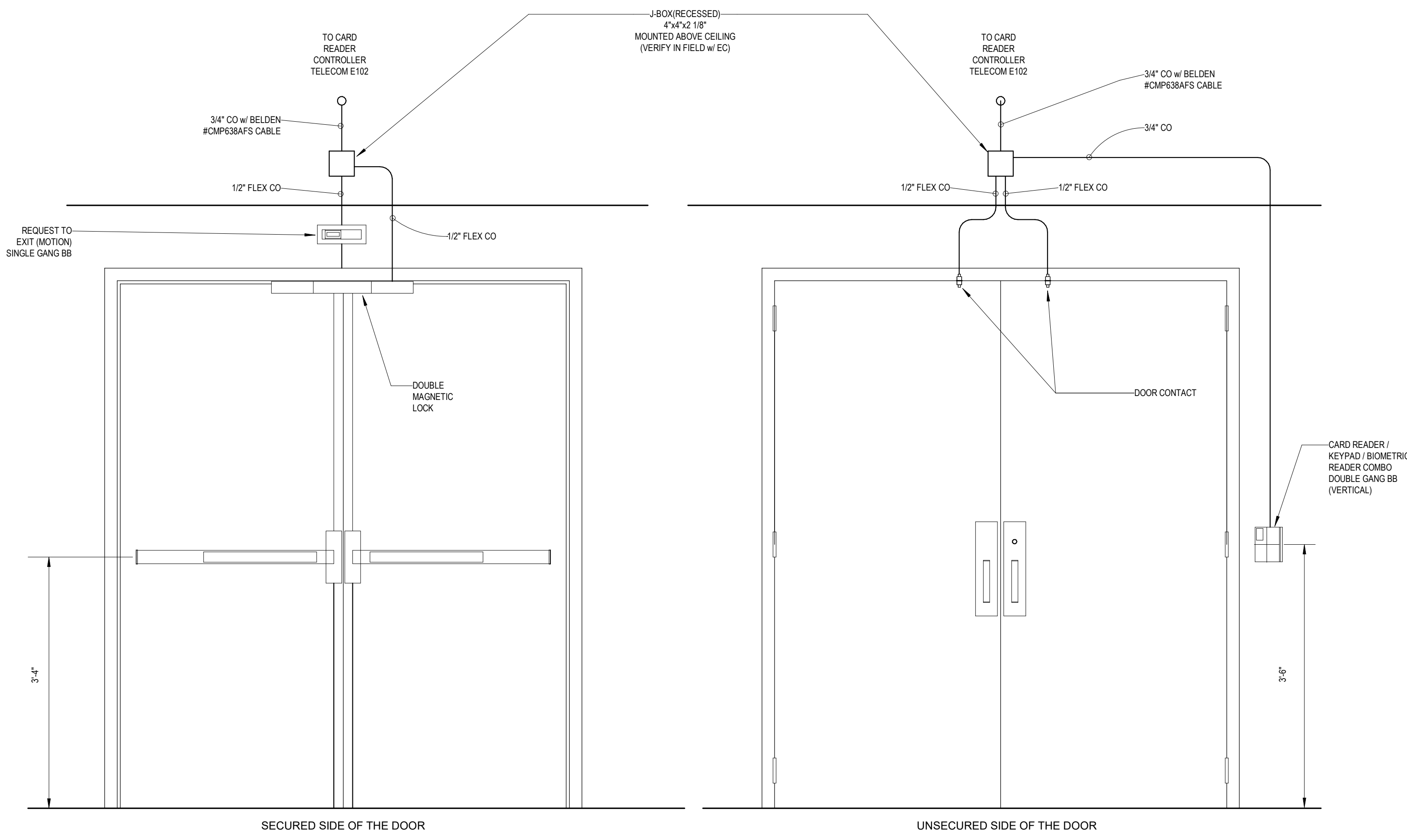
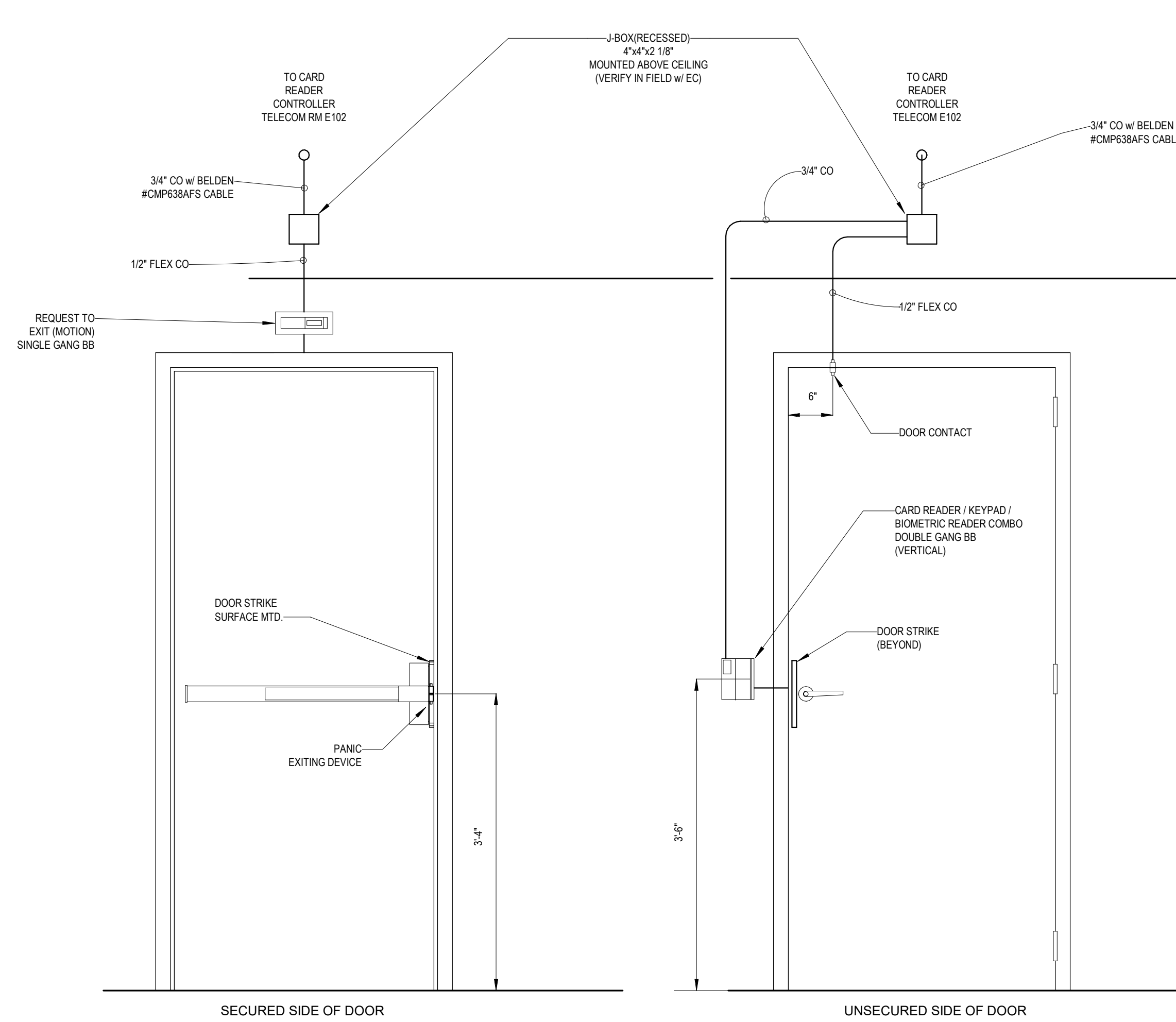
Project Title  
**NEW ENTRYWAY FOR BUILDING 17**  
 Location  
 1700 S LINCOLN AVENUE LEBANON, PA 17042  
 Issue Date  
 10.26.2022  
 Checked  
 BK  
 Drawn  
 MH

Project Number  
 595-668  
 Building Number  
 17  
 Drawing Number  
**E501**

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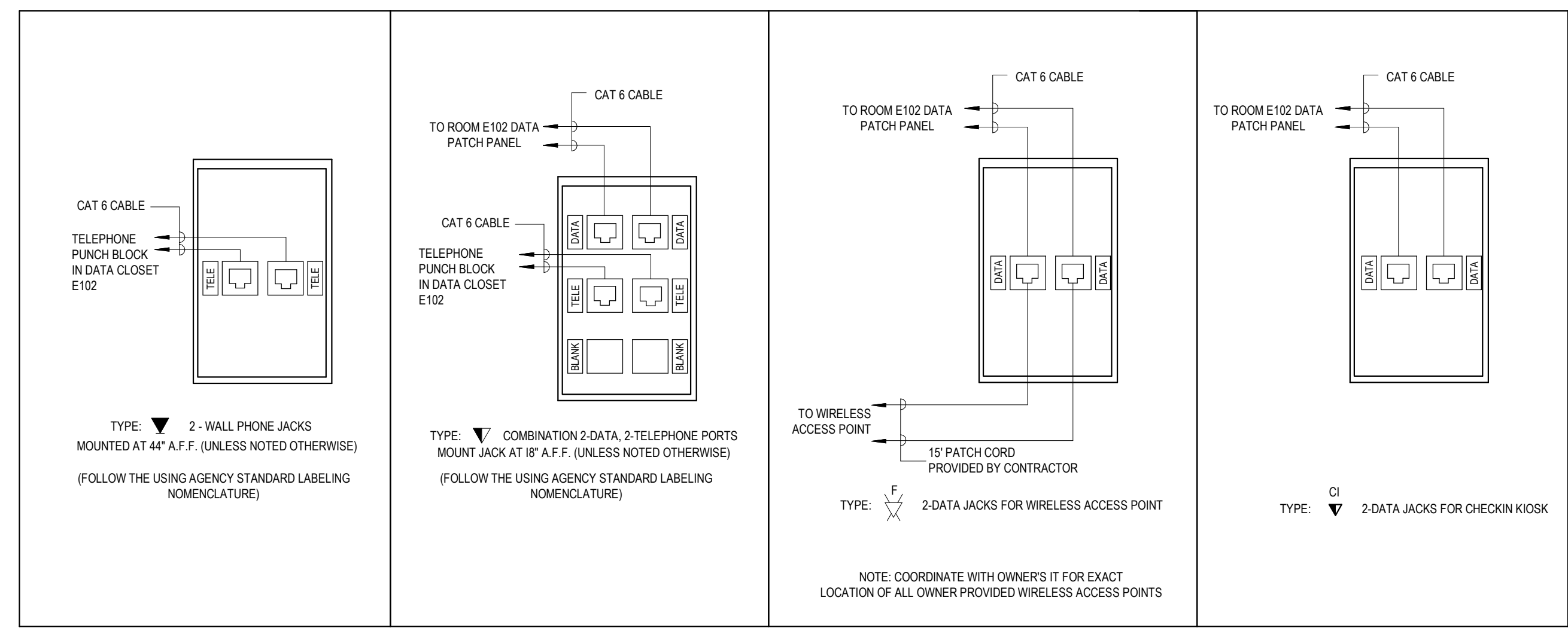
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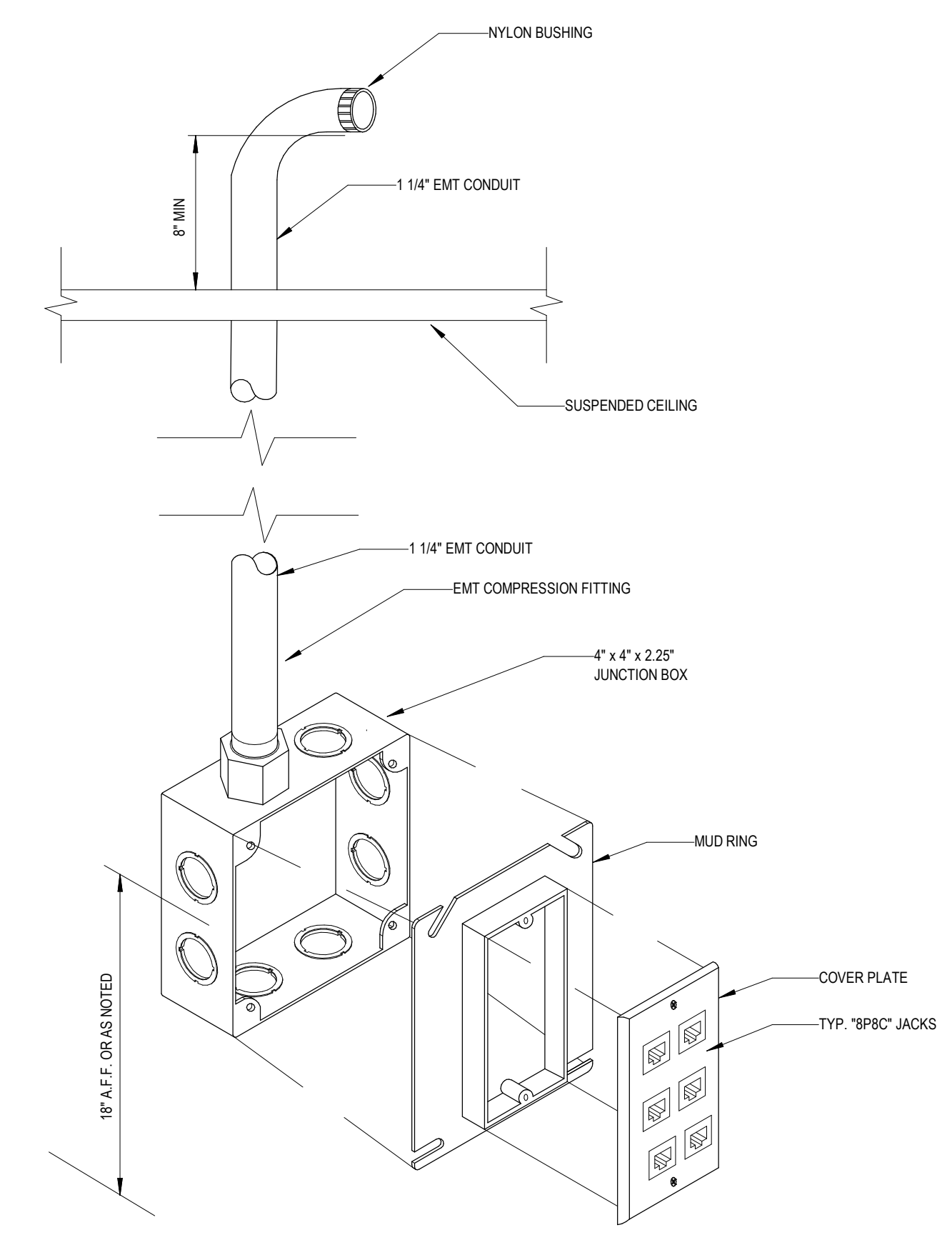


1 SECURE DOOR DETAILS

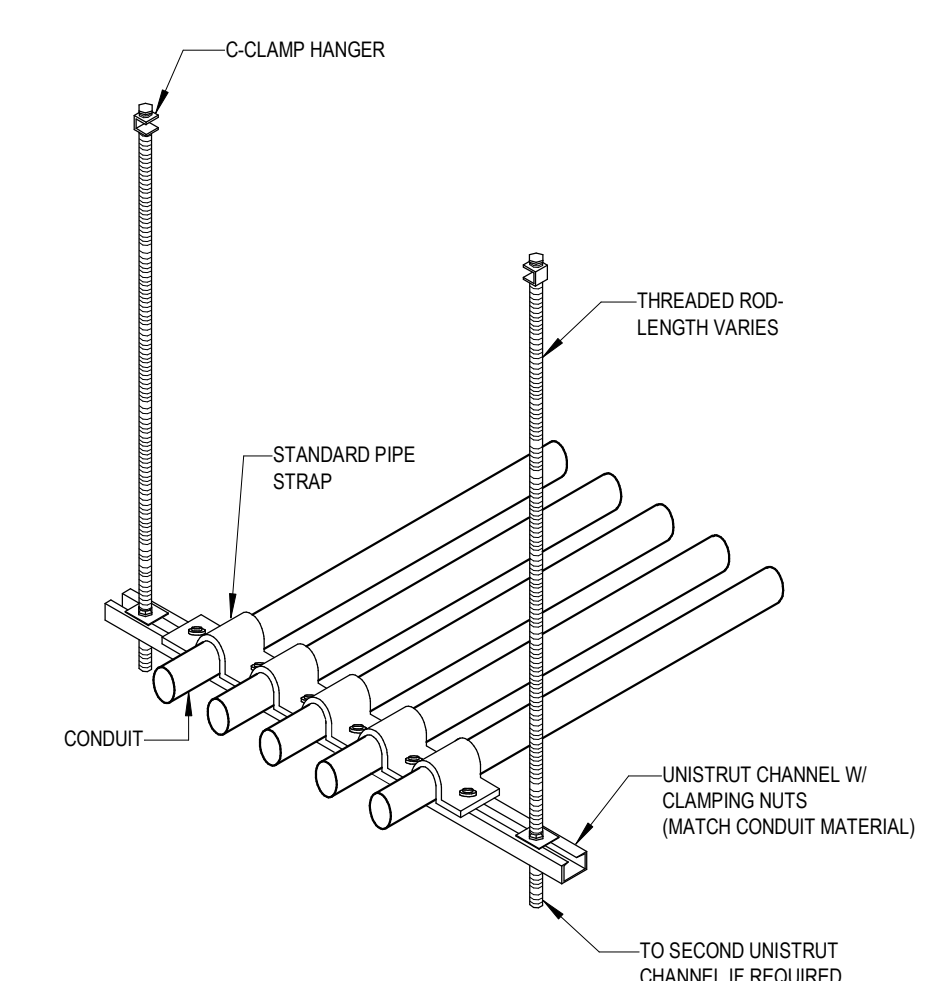
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2 TELECOMMUNICATION DETAILS



3 ROUGH IN DETAIL



4 CONDUIT SUSPENSION DETAIL

F

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	#	Revisions	Date											
Checked BK	Drawn MM	Issue Date 10.26.2022	Issue Date 10.26.2022	Issue Date 10.26.2022	Issue Date 10.26.2022	Issue Date 10.26.2022	Issue Date 10.26.2022							