



**Jackson
Energy
Authority**

One thing you can count on.

ELECTRIC DIVISION

Contractor Packet

This packet includes the JEA electric service policy, JEA communications installation policies, and a complete set of drawings for the installation of temporary service poles, trench details, and riser details. It is also available online at www.jaxenergy.com in the Contractor section.

Also included within, but not limited to, specifications for the following:

- Pad
- Trench
- Riser
- Meterbase
- Service Pole
- CT/PT
- Cabinet/Panel Enclosure



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Electrical/Telecommunication Installations

These changes will be effective September 1st, 2017.

Specification revisions dated prior to 1/3/2024 will not be honored.

Also included in this packet you will find the JEA Electric Service Policy that became effective September 26, 2005 and revised in July 2017. This policy remains unchanged but the contact numbers for pad and ditch inspections have been updated.

Assignment of a Project Coordinator to your project is performed through our New Accounts Department located on the 1st floor of the Tennergy Center - 250 North Highland Avenue. Please contact New Accounts at 731.422.7315 to begin this electric service proces. Once a Project Coordinator has been assigned to you, contact your designated Project Coordinator before you begin work. This will allow all details concerning electrical installations to be discussed before construction begins.

For commercial installations, please provide electric load information to your JEA Project Coordinator. This will allow them to correctly size and schedule the transformer, help avoid delays in your project, and verify the load meets Jackson Energy Authority's minimum requirements.



Electric Service Policy

Effective September 26, 2005 - *Revised July 12, 2017

JEA SHALL MAKE ALL METER SPOTS BEFORE ELECTRICAL WORK BEGINS AS TO DETERMINE THE POINT OF ATTACHMENT

Residential Underground Meter Spots

All residential underground services shall be installed in three-inch schedule 40 gray conduit, to be provided and installed by the customer at the minimum depth of 2 feet with no warning tape required. (The JEA representative shall decide if a 400 amp or larger service requires a 4-inch or larger conduit). In underground subdivisions, the first 100 feet of service conductor is at no cost to the customer. After 100 feet, the cost will be calculated according to the wire size. Any boring shall be the responsibility of the customer.

- The electrician shall install the conduit from the meter base toward JEA's point of feed¹ stopping within 5 feet of said point. **(Have remaining conduit & short 90 on site and JEA will install into the point of feed¹).** The conduit above the ground into the meter base shall be schedule 80 gray conduit or rigid conduit according to code. *The conduit shall point directly toward JEA's point of feed. (Look for company lock on transformers to find access).
- Any 90s other than the 90s at the point of feed and the 90's at the meter base shall be the long sweeping 90's. The 90's at the point of feed & meter base shall be the short gray electrical 90's. **(No plumber's joints of any kind will be allowed.)** *45's may be used to replace the long or short 90's but there must be a minimum of 4 feet of straight conduit between any joint.
- The conduit toward the point of feed shall not end under the driveway nor shall veer over onto the adjacent property. If JEA's point of feed is on the driveway end of the house & the edge of the driveway is within 2 feet of the property line, then the conduit shall be elbowed up into the point of feed. **(Call JEA to open the point of feed.)**
- A string shall be installed through the entire conduit for use in installing the conductor.
- A ditch inspection is required while all conduits and 90's are visible.
- **Call 731-422-7371 between 7AM and 4PM Monday-Friday. After 4PM call 731-422-7500.**

Due to patios, swimming pools, porches etc., that can be built in the future, no services will be allowed to cross the back of the house. Underground residential services served from an overhead line will abide by the same conditions as above except no allowances will be made for the first 100 feet of service conductor. The cost to the customer shall include a riser fee and the cost per foot of the service conductor installation according to the conductor size.

Residential Overhead Meter Spots

Meter bases shall be spotted from JEA's point of feed to the nearest corner.

Exceptions may be made only by a JEA representative taking into account the layout of the house and the distance of the service conductor involved. **The JEA representative shall make a meter spot and consider any exceptions to the meter base location prior to any electrical work being done.**

JEA's point of attachment shall be determined by the JEA representative at the time of the meter spot and the height of the required attachment specified at that time to insure adequate code clearance for the service conductor above the driveway, yard or street. The attachment will be either to a periscope or an eyebolt installed by the electrician.

NOTE: The electrician shall have his permit available when getting meter bases.

¹ A point of feed can be an underground transformer, a handhold, or an attachment on a pole.



Communications Installation Policies

Residential Overhead Installations

JEA provides 150' of overhead fiber optic cable from the mainline pole to the customer's structures, additional length over 150' shall be the responsibility of the customer.

- Overhead fiber optic drop installations will be attached to the:
 - Mast / Riser using an attachment clamp provided by JEA
 - To the structure using a screw in house knob provided by JEA
- Overhead fiber optic drops shall meet the appropriate clearance defined by the National Electric Safety Code
- Fiber Optic Drop cable shall be routed to JEA installed network equipment in the best manner possible for each given situation.

Residential Underground Installations For New Electric Services

JEA provides 150' of underground fiber optic drop cable from the nearest transformer to the customer Meterbase, additional length over 150' shall be the responsibility of the customer.

- Underground fiber optic drops where a new electric service is installed will be placed in the same conduit as the electric cable.
- JEA crews will install the fiber optic cable at the same time as that of the electric cable.
- No additional conduit is required, however the contractor can request JEA to install ½" roll conduit in a joint trench with the electric service conduit. Conduit will be provided by JEA if the contractor provides no less than 3 days' notice.

Residential Underground Riser Installations

JEA provides 150' of underground fiber optic drop cable from the nearest transformer to the customer Meterbase, additional length over 150' shall be the responsibility of the customer.

- For underground installations where a riser is installed the customer shall install ½" conduit from the meter base to the riser pole.
- ½" Conduit shall be stubbed up no less than 2' above ground level.
- ½" Conduit can be requested from JEA at no cost for distances less than, over 150' a charge will be included.

Residential Underground Installations For Existing Electric Customers

JEA provides 150' of underground fiber optic drop cable and conduit from the nearest transformer or underground structure to the customer Meterbase, additional length over 150' shall be the responsibility of the customer.

- JEA shall install conduit and fiber optic drop cable to the customers Meterbase location or a specified location as determined by the homeowner and confirmed by JEA.
- JEA shall choose a path that avoids damage to other underground utilities
- JEA shall install conduit at a typical depth of 12".
- TN811 Services will not locate customer owned underground infrastructure
- IT IS THE HOMEOWNERS RESPONSIBILITY TO NOTIFY JEA OF HOMEOWNER OWNED UNDERGROUND FACILITIES, WHICH MAY INCLUDE BUT ARE NOT LIMITED TO:
 - UNDERGROUND DOG FENCES
 - SEPTIC TANKS AND SEPTIC LINES
 - IRRIGATION LINES
 - DRAINAGE LINES

Commercial Underground Installations

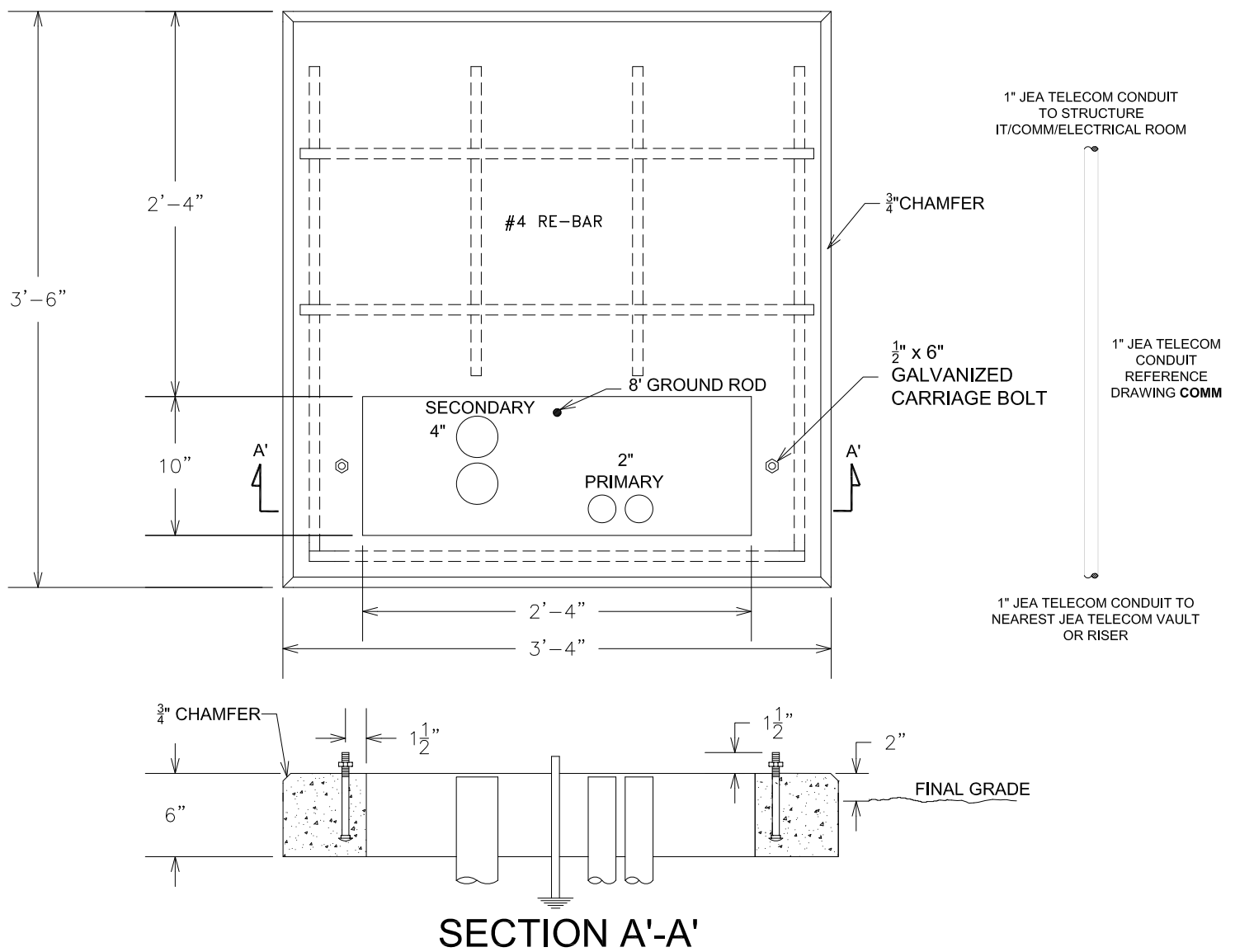
It shall be the responsibility of the contractor to install a single 1" conduit with string from the structure to the point of primary connect as defined by JEA.

- JEA shall inform the contractor of the exact structure the 1" conduit shall run to at the time of the meter spot.
- 1" conduit shall be run in the same trench as the electric conduit, however, bypass the transformer.
- 1" conduit can be run to the structure's IT or communications room as opposed to the electrical room.


Commercial Underground Riser Installations

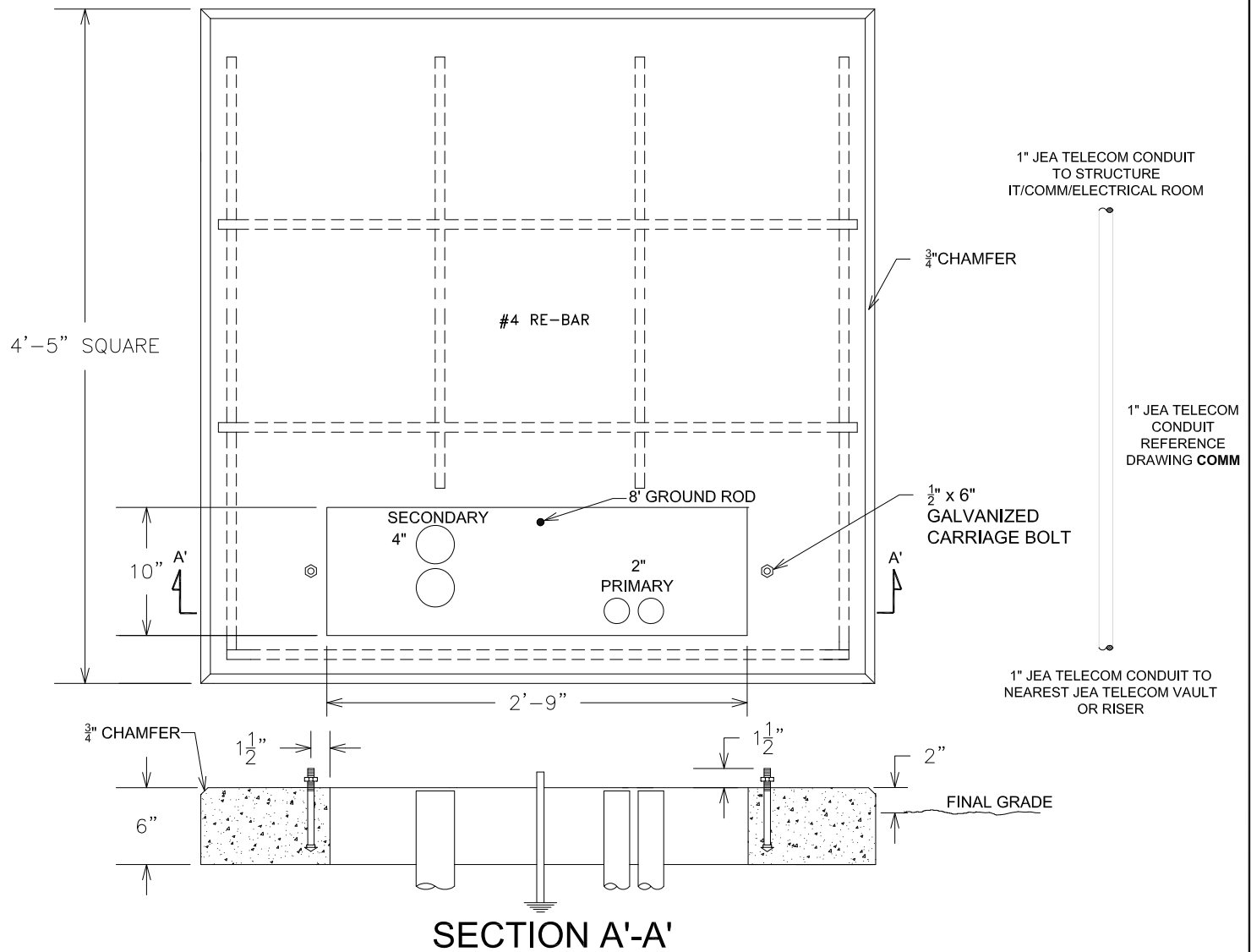
The contractor shall install 1" conduit to the same location as that of the secondary or primary riser as determined by JEA.

- 1" conduit shall be stubbed up no less than 2' above ground level.




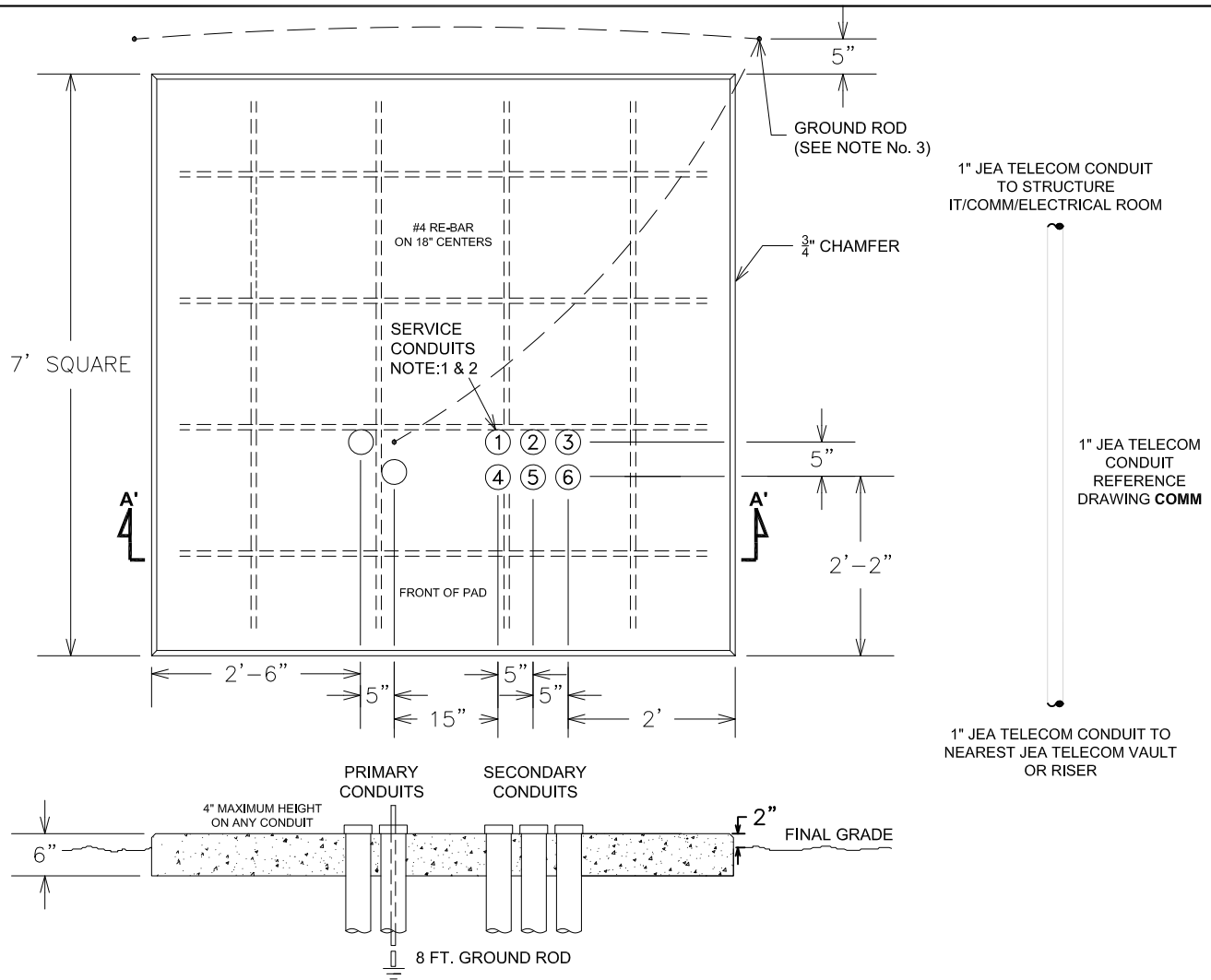
- NOTES:**
1. THE GROUND UNDER THE TRANSFORMER PAD MUST BE LEVELED AND THOROUGHLY COMPACTED
 2. THE CONCRETE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 2500 PSI
 3. THE PRIMARY AND SECONDARY CONDUITS SHOULD BE POSITIONED AS SHOWN IN DRAWING
 4. PRIMARY ELBOWS TO BE RIGID AND LONG SWEEPING (MIN. 36" RADIUS)
 5. PAD SHALL BE INSPECTED BY JEA BEFORE POURING
 6. TRENCH FOR PRIMARY CONDUIT INSTALLED BY CUSTOMER SHALL BE INSPECTED BY JEA BEFORE FILLING. (REFERENCE DRAWING UG-T5)
 7. A 1" JEA COMMUNICATIONS CONDUIT SHALL BE INSTALLED FROM PRIMARY DITCH TO BUILDING FOR JEA FIBER ACCESS
 8. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER
 9. INSTALL 5/8" x 8' COPPER GROUND ROD AS INDICATED
 10. BOND #4 SOLID COPPER TO REBAR AND GROUND ROD
 11. REFERENCE DRAWINGS PB AND PC AS REQUIRED BY JEA OFFICIALS

UTILITY: ELECTRIC	2	1/3/2024	CLARIFIED JEA TELECOM REQUIREMENTS	MCC	HH
DRAWING NO. 24702	1	7/11/2017	ADDED MEASUREMENT ABOVE FINAL GRADE	MCC	HH
CITY LIMITS: IN <input checked="" type="radio"/> OUT <input type="radio"/>	NO.	DATE	REVISION	DWN	APP'D
GRID:					
HOR. SCALE: NTS	CONCRETE PAD FOR SINGLE PHASE PADMOUNT TRANSFORMER 25-100 kVA				
VER. SCALE: N/A					
DATE: 1/3/2024					
SHEET 1 OF 1					
DESIGNED BY: MCC					
DRAWN BY: MCC	 Jackson Energy Authority			WORK ORDER #	
CHECKED BY: HH				DP1C	
DEPARTMENT: 200					




- NOTES:**
1. THE GROUND UNDER THE TRANSFORMER PAD MUST BE LEVELED AND THOROUGHLY COMPACTED
 2. THE CONCRETE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 2500 PSI
 3. THE PRIMARY AND SECONDARY CONDUITS SHOULD BE POSITIONED AS SHOWN IN DRAWING
 4. PRIMARY ELBOWS TO BE RIGID AND LONG SWEEPING (MIN. 36" RADIUS)
 5. PAD SHALL BE INSPECTED BY JEA BEFORE POURING
 6. TRENCH FOR PRIMARY CONDUIT INSTALLED BY CUSTOMER SHALL BE INSPECTED BY JEA BEFORE FILLING. (REFERENCE DRAWING UG-T5)
 7. A 1" JEA COMMUNICATIONS CONDUIT SHALL BE INSTALLED FROM PRIMARY DITCH TO BUILDING FOR JEA FIBER ACCESS
 8. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER
 9. INSTALL 5/8" x 8' COPPER GROUND ROD AS INDICATED
 10. BOND #4 SOLID COPPER TO REBAR AND GROUND ROD
 11. REFERENCE DRAWINGS PB AND PC AS REQUIRED BY JEA OFFICIALS

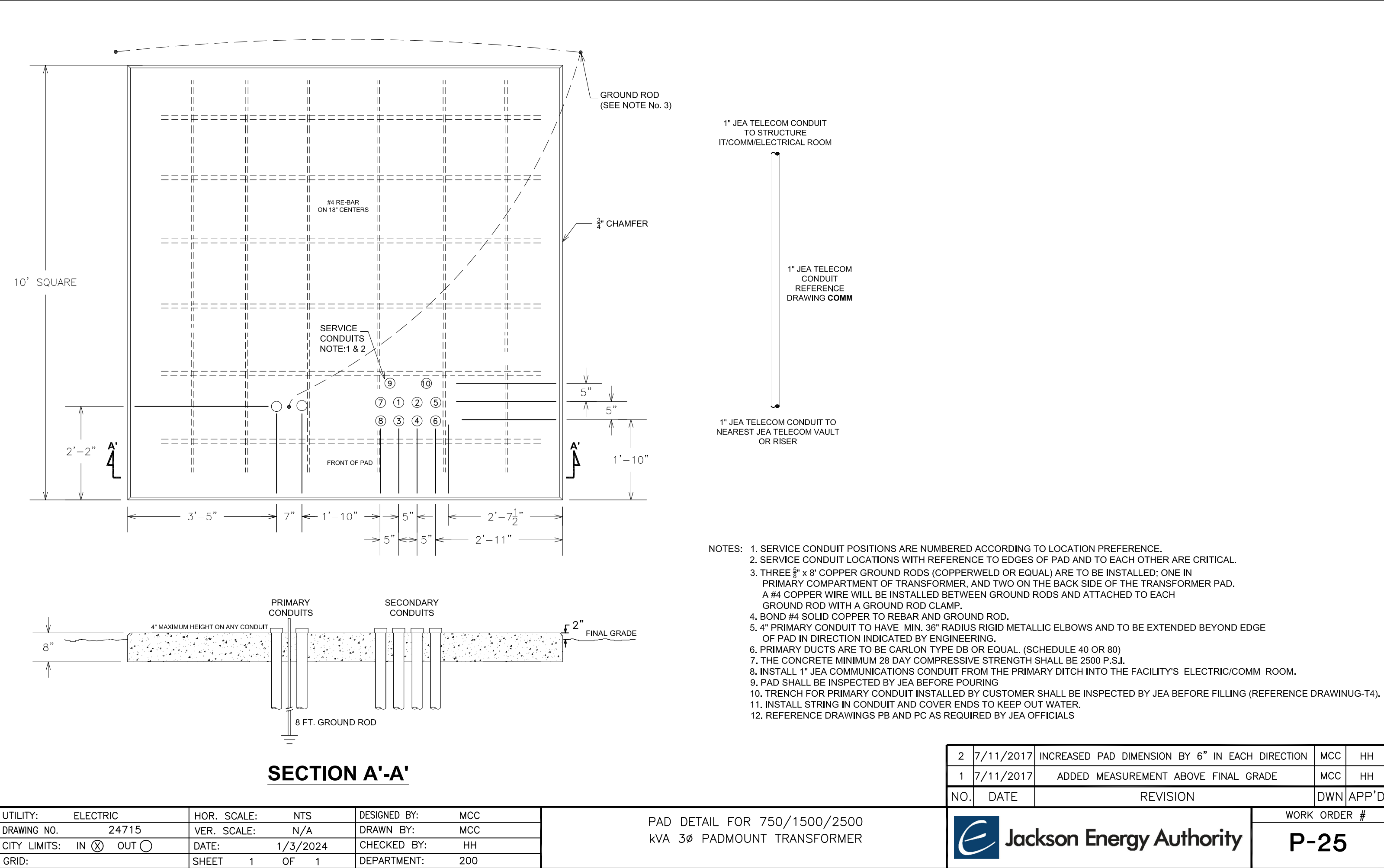
UTILITY: ELECTRIC	2	1/3/24	UPDATED JEA TELECOM CONDUIT REQUIREMENTS	MCC	HH
DRAWING NO. 24705	1	7/11/2017	ADDED MEASUREMENT ABOVE FINAL GRADE	MCC	HH
CITY LIMITS: IN (X) OUT (O)	NO.	DATE	REVISION	DWN	APP'D
GRID:					
HOR. SCALE: NTS	CONCRETE PAD DETAIL FOR SINGLE PHASE PADMOUNT TRANSFORMER — 167 kVA				
VER. SCALE: N/A					
DATE: 1/3/2024					
SHEET 1 OF 1					
DESIGNED BY: MCC	 Jackson Energy Authority			WORK ORDER #	
DRAWN BY: MCC				DP2C	
CHECKED BY: HH					
DEPARTMENT: 200					

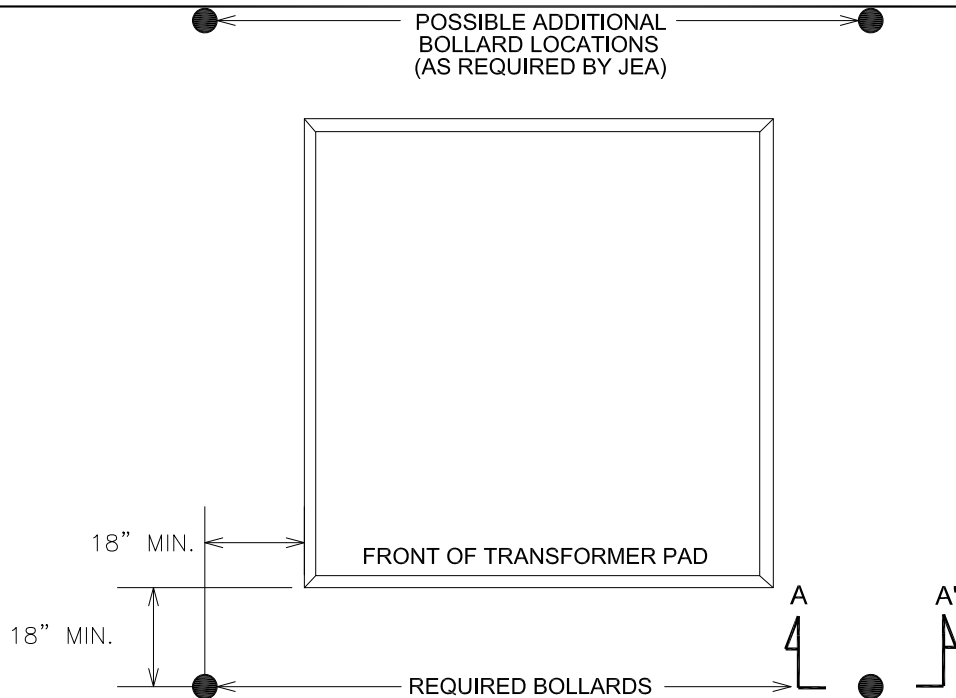


SECTION A'-A'

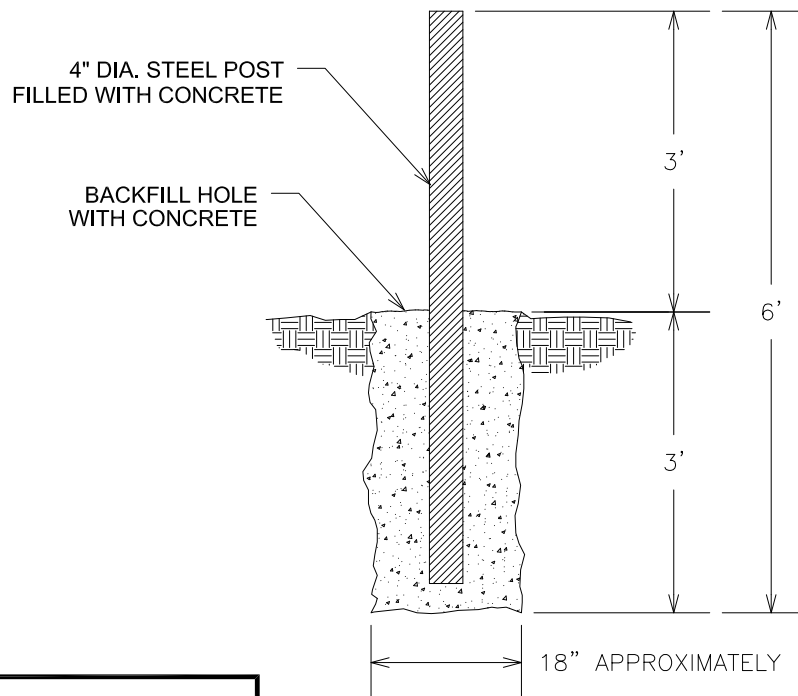
- NOTES: 1. SERVICE CONDUIT POSITIONS ARE NUMBERED ACCORDING TO LOCATION PREFERENCE.
 2. SERVICE CONDUIT LOCATIONS WITH REFERENCE TO EDGES OF PAD AND TO EACH OTHER ARE CRITICAL.
 3. THREE $\frac{5}{8}$ " x 8' COPPER GROUND RODS (COPPERWELD OR EQUAL) ARE TO BE INSTALLED; ONE IN PRIMARY COMPARTMENT OF TRANSFORMER, AND TWO ON THE BACK SIDE OF THE TRANSFORMER PAD. A #4 COPPER WIRE WILL BE INSTALLED BETWEEN GROUND RODS AND ATTACHED TO EACH GROUND ROD WITH A GROUND ROD CLAMP.
 4. BOND #4 SOLID COPPER TO REBAR AND GROUND ROD.
 5. 4" PRIMARY CONDUIT TO HAVE MIN. 36" RADIUS RIGID METALLIC ELBOWS AND TO BE EXTENDED BEYOND EDGE OF PAD IN DIRECTION INDICATED BY ENGINEERING.
 6. PRIMARY DUCTS ARE TO BE CARLON TYPE DB OR EQUAL. (SCHEDULE 40 OR 80)
 7. THE CONCRETE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL BE 2500 P.S.I.
 8. INSTALL 1" JEA COMMUNICATIONS CONDUIT FROM THE PRIMARY DITCH INTO THE FACILITY'S ELECTRIC/COMM ROOM.
 9. PAD SHALL BE INSPECTED BY JEA BEFORE POURING
 10. TRENCH FOR PRIMARY CONDUIT INSTALLED BY CUSTOMER SHALL BE INSPECTED BY JEA BEFORE FILLING (REFERENCE DRAWING T-4).
 11. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER.
 12. REFERENCE DRAWINGS PB AND PC AS REQUIRED BY JEA OFFICIALS

UTILITY: ELECTRIC	2	7/11/2017	INCREASED PAD DIMENSION BY 6" IN EACH DIRECTION	MCC	HH
DRAWING NO. 24703	1	7/11/2017	ADDED MEASUREMENT ABOVE FINAL GRADE	MCC	HH
CITY LIMITS: IN <input checked="" type="radio"/> OUT <input type="radio"/>	NO.	DATE	REVISION	DWN	APP'D
GRID:					
HOR. SCALE: NTS	PAD DETAIL FOR 75-500 KVA 3Ø PADMOUNT TRANSFORMER				
VER. SCALE: N/A					
DATE: 1/3/2024					
SHEET 1 OF 1					
DESIGNED BY: MCC	 Jackson Energy Authority			WORK ORDER # P-5	
DRAWN BY: MCC					
CHECKED BY: HH					
DEPARTMENT: 200					





BOLLARD LOCATION



DETAIL A-A'

UTILITY:	ELECTRIC
DRAWING NO.	24717
CITY LIMITS:	IN <input checked="" type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	N/A
VER. SCALE:	N/A
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MC
DRAWN BY:	JFH/WVG
CHECKED BY:	WVG
DEPARTMENT:	210

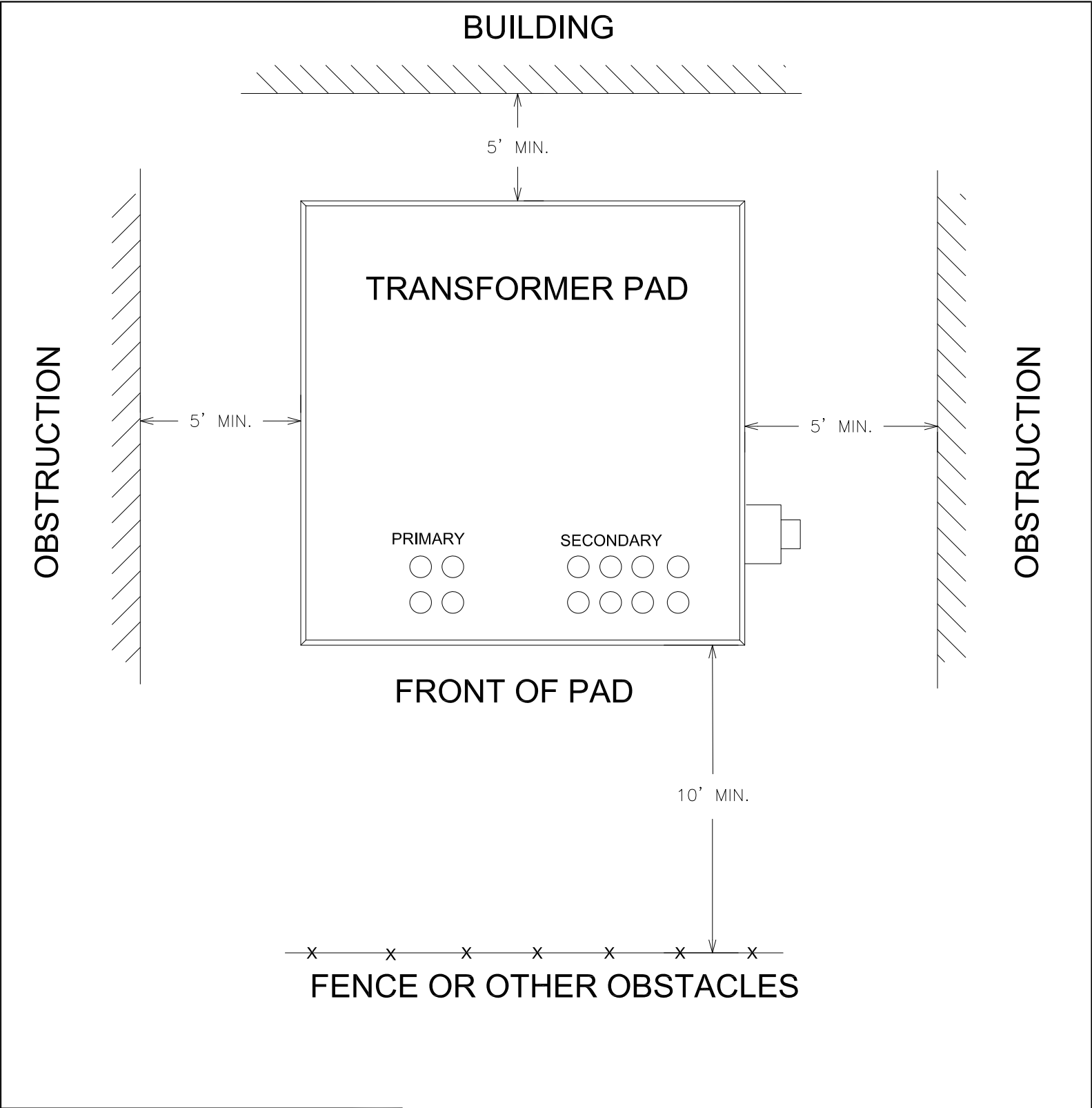
PROTECTIVE BOLLARD DETAIL



Jackson Energy Authority

WORK ORDER #


PB

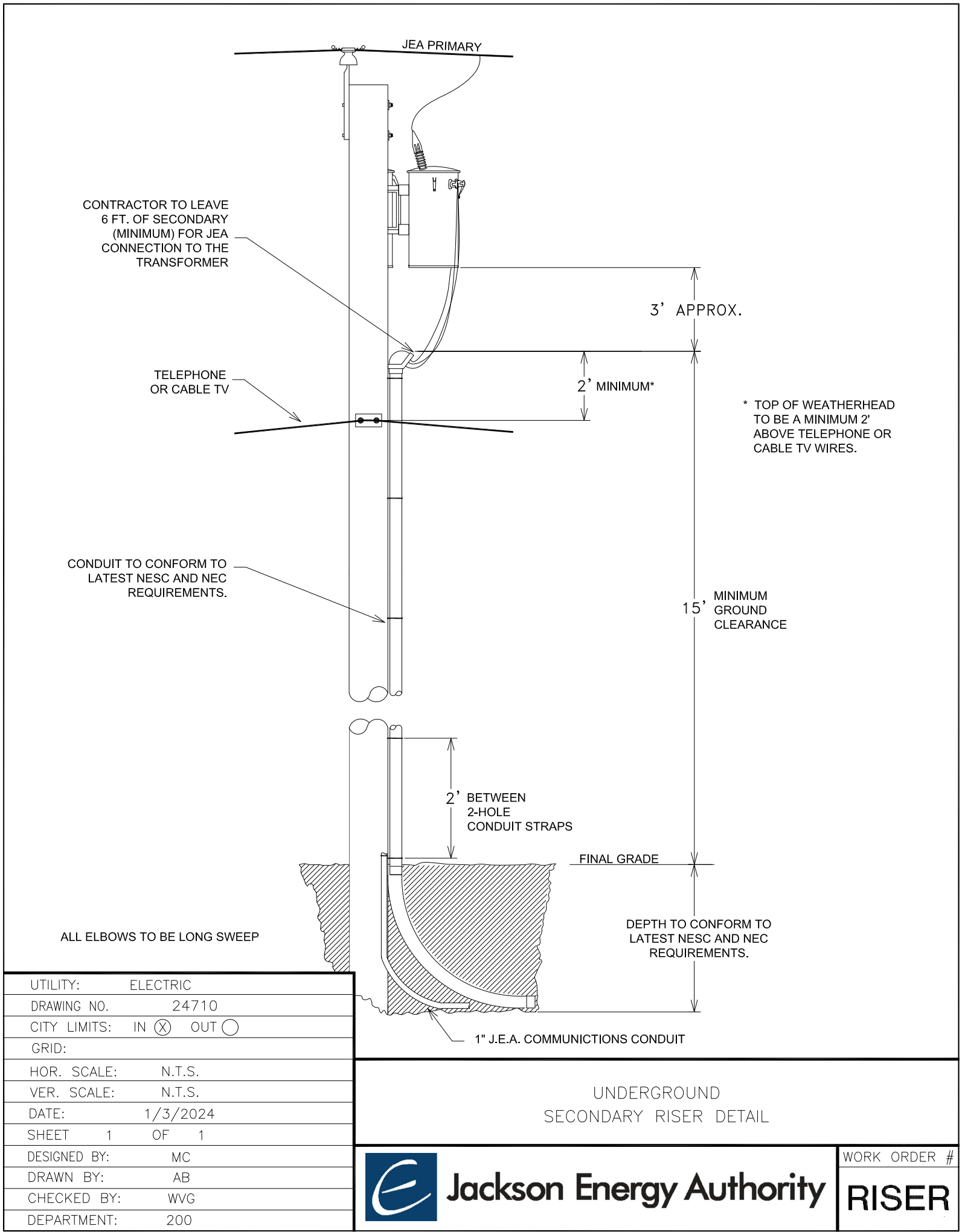


UTILITY:	ELECTRIC
DRAWING NO.	24718
CITY LIMITS:	IN <input type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	N.T.S.
VER. SCALE:	N.T.S.
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MCC
DRAWN BY:	MCC
CHECKED BY:	HH
DEPARTMENT:	200

NOTE: THESE CLEARANCES ARE JEA MINIMUMS. GREATER CLEARANCES MAY BE REQUIRED BY CODES, DUE TO BUILDING CONSTRUCTION, TYPE OF OPERATION, LOCATION OF DOORS AND WINDOWS, ETC. CHECK WITH ELECTRICAL INSPECTION AUTHORITY HAVING JURISDICTION


CLEARANCE SPECIFICATIONS FOR
3 ϕ PADMOUNTED TRANSFORMERS

 Jackson Energy Authority	WORK ORDER #
	PC



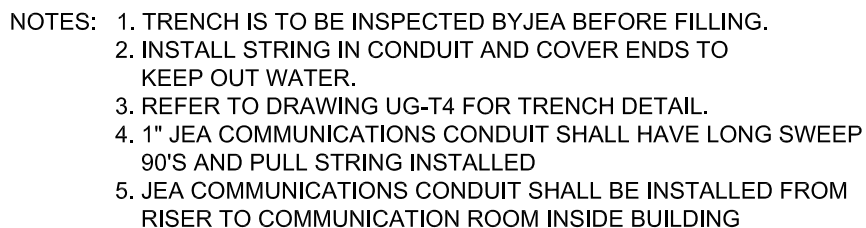
UTILITY:	ELECTRIC
DRAWING NO.	24710
CITY LIMITS:	IN <input checked="" type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	N.T.S.
VER. SCALE:	N.T.S.
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MC
DRAWN BY:	AB
CHECKED BY:	WVG
DEPARTMENT:	200

UNDERGROUND
SECONDARY RISER DETAIL



Jackson Energy Authority

WORK ORDER #
RISER



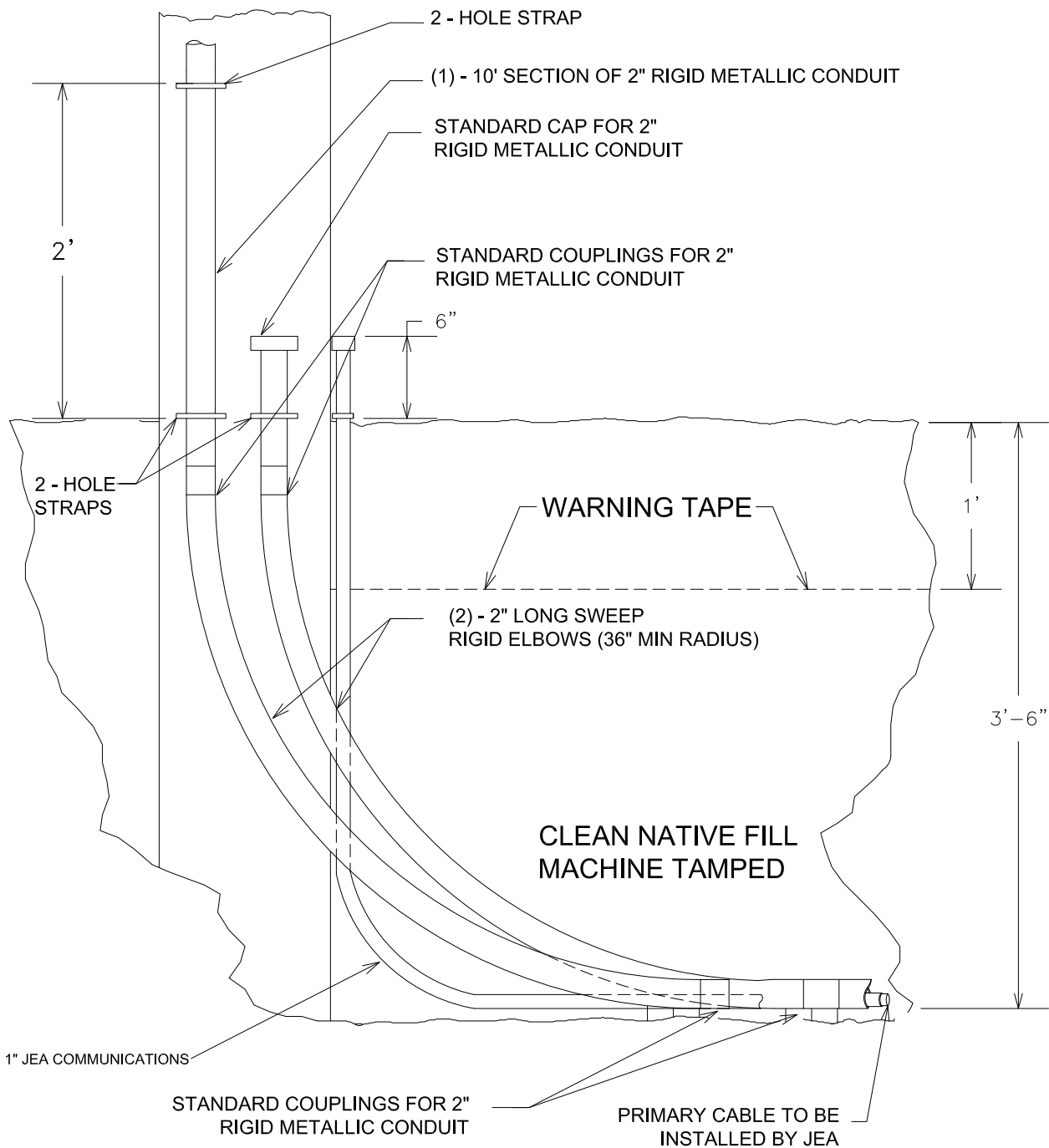
RISER DETAIL
INSTALLATION OF RISER FOR
3Ø UNDERGROUND PRIMARY



Jackson Energy Authority

WORK ORDER #

UGR4



- NOTES:
1. TRENCH IS TO BE INSPECTED BY J.E.A. BEFORE FILLING.
 2. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER.
 3. REFER TO DRAWING UG-T5 FOR TRENCH DETAIL.
 4. 1" JEA COMMUNICATIONS CONDUIT SHALL HAVE LONG SWEEP 90'S AND PULL STRING INSTALLED
 5. JEA COMMUNICATIONS CONDUIT SHALL BE INSTALLED FROM RISER TO COMMUNICATION ROOM INSIDE BUILDING

UTILITY:	ELECTRIC
DRAWING NO.	24714
CITY LIMITS:	IN <input checked="" type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	1" = 1'
VER. SCALE:	N/A
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MC
DRAWN BY:	AB
CHECKED BY:	WVG
DEPARTMENT:	210

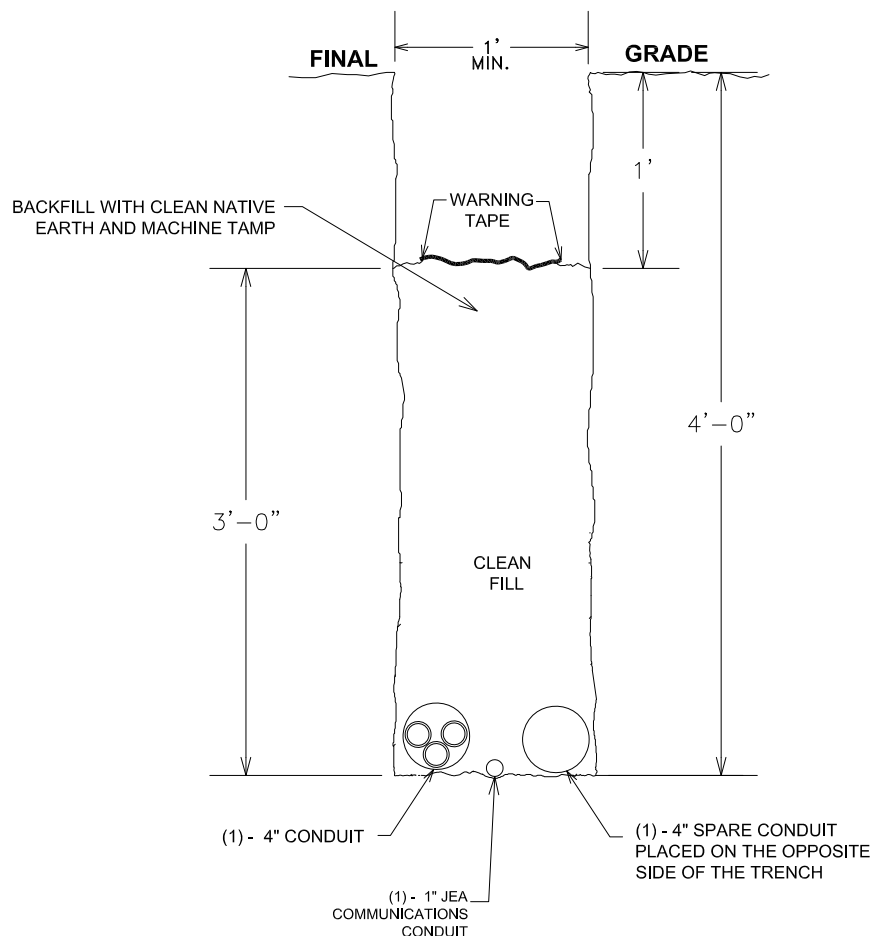
RISER DETAIL
INSTALLATION OF RISER FOR
1Ø UNDERGROUND PRIMARY



Jackson Energy Authority

WORK ORDER #

UGR5



- NOTES: 1. TRENCH IS TO BE INSPECTED BY JEA BEFORE FILLING.
 2. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER.
 3. ALL CONDUIT TO BE PVC (SCHEDULE 40 OR 80).
 4. REFER TO DRAWING UGR4 FOR RISER DETAIL.
 5. LONG SWEEP 90'S ARE TO BE USED ON ALL ELBOWS.
 6. JEA COMMUNICATIONS CONDUIT TO BE INSTALLED INTO COMMUNICATIONS ROOM IN BUILDING

UTILITY:	ELECTRIC
DRAWING NO.	24701
CITY LIMITS:	IN <input checked="" type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	1" = 1'
VER. SCALE:	N/A
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MC
DRAWN BY:	AB
CHECKED BY:	WVG
DEPARTMENT:	210

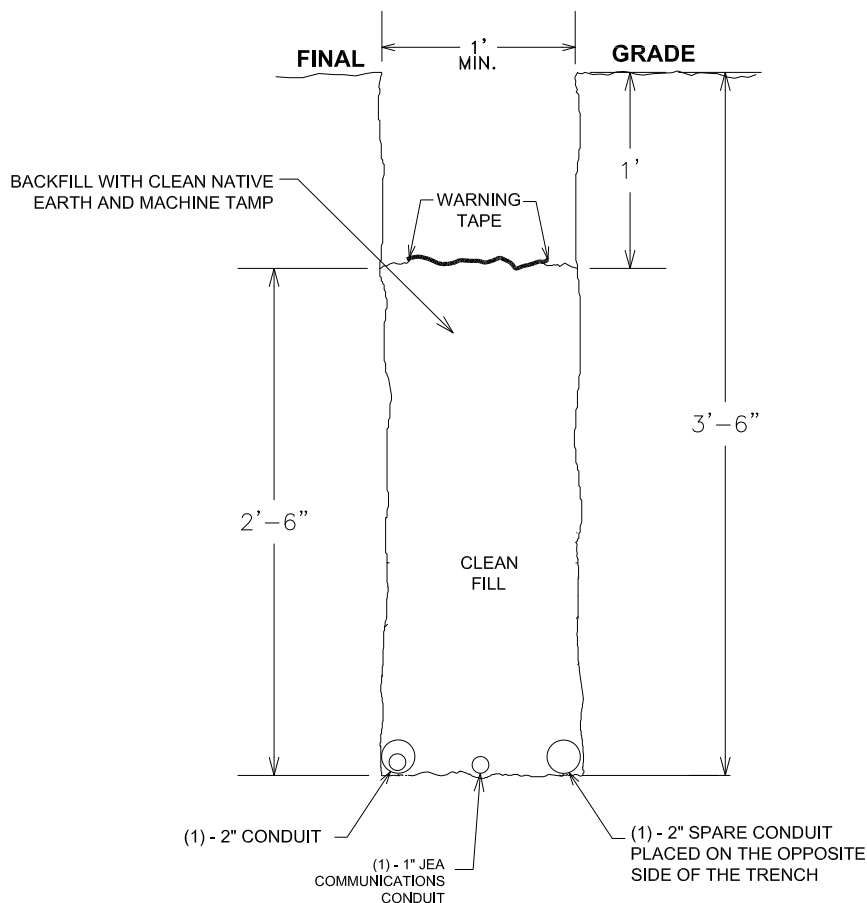
TRENCH DETAIL
 INSTALLATION OF CONDUIT FOR
 3Ø UNDERGROUND PRIMARY



Jackson Energy Authority

WORK ORDER #

UG-T4



- NOTES:
1. TRENCH IS TO BE INSPECTED BY JEA BEFORE FILLING.
 2. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER.
 3. ALL CONDUIT TO BE PVC (SCHEDULE 40 OR 80).
 4. REFER TO DRAWING UGR5 FOR RISER DETAIL.
 5. LONG SWEEP 90'S ARE TO BE USED ON ALL ELBOWS.
 6. JEA COMMUNICATION CONDUIT TO BE INSTALLED INTO COMMUNICATIONS ROOM IN BUILDING.

UTILITY:	ELECTRIC
DRAWING NO.	24704
CITY LIMITS:	IN <input checked="" type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	1" = 1'
VER. SCALE:	N/A
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MC
DRAWN BY:	AB
CHECKED BY:	WVG
DEPARTMENT:	210

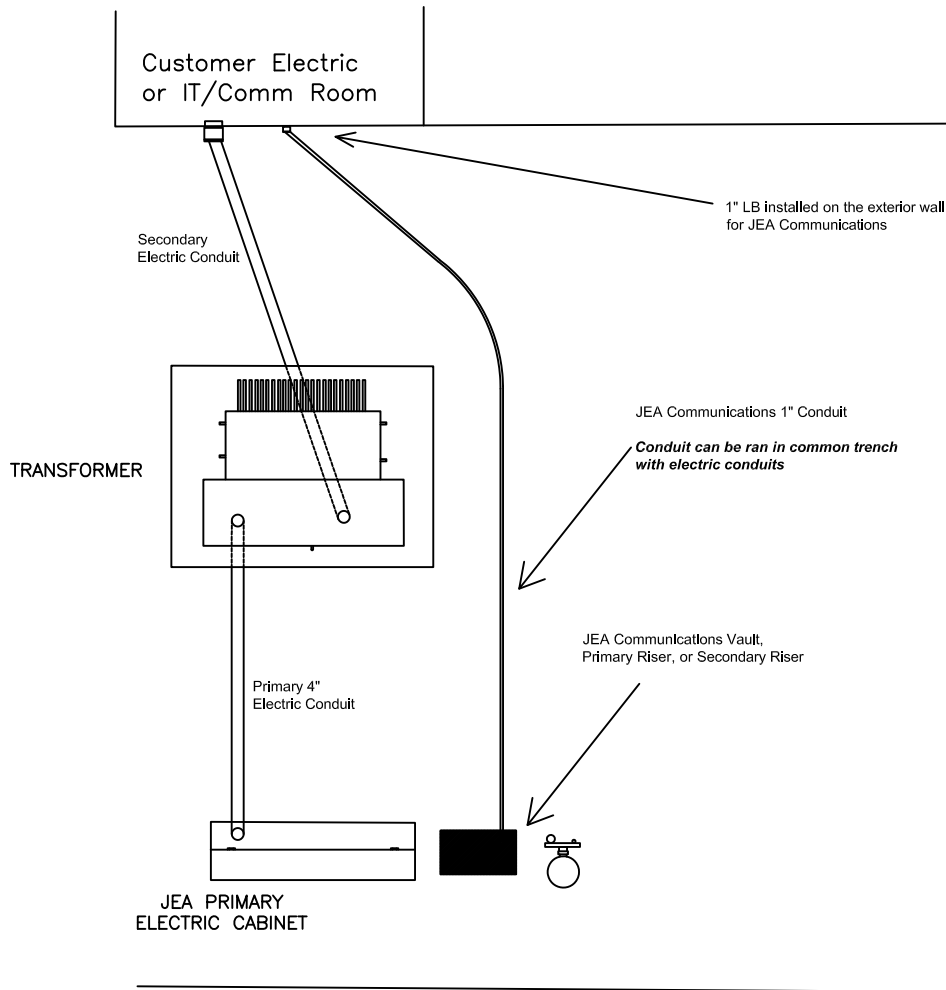
TRENCH DETAIL
INSTALLATION OF CONDUIT FOR
1Ø UNDERGROUND PRIMARY



Jackson Energy Authority

WORK ORDER #

UG-T5



- NOTES: 1. INSTALL 1" JEA COMMUNICATIONS CONDUIT FROM THE PRIMARY ELECTRIC DITCH INTO THE FACILITY'S ELECTRIC/COMM ROOM.
 2. INSTALL 1" LB ON THE EXTERIOR OF WALL
 3. ON THE CUSTOMER STRUCTURE 1" CONDUIT CAN BE RAN TO EITHER:
 a. THE STRUCTURES ELECTRICAL ROOM
 b. THE STRUCTURES DEVOTED IT OR COMMUNICATIONS ROOM.
 c. SPECIAL CIRCUMSTANCES CAN BE ACCOMMODATED WITH JEA TELECOMMUNICATIONS
 4. 1" CONDUIT SHALL BE RAN TO THE NEAREST JEA COMMUNICATIONS VAULT LOCATED ADJACENT TO THE PRIMARY CONNECTION POINT
 5. CONDUITS ARE TO BE CARLON TYPE DB OR EQUAL (SCHEDULE 40 OR GREATER) OR HDPE ROLL CONDUIT (SCHEDULE 40 OR GREATER)
 6. COMMUNICATIONS CONDUIT TO BE INSPECTED BY JEA BEFORE FILLING (REFERENCE DRAWING UG-T4).
 7. INSTALL STRING IN CONDUIT AND COVER ENDS TO KEEP OUT WATER.
 8. REFERENCE DRAWINGS PB AND PC AS REQUIRED BY JEA OFFICIALS
 9. 1" COMMUNICATIONS CONDUIT CAN BE RAN IN A COMMON TRENCH WITH ELECTRIC PRIMARY AND SECONDARY CONDUITS

UTILITY:	TELECOM
DRAWING NO.	
CITY LIMITS:	IN <input checked="" type="radio"/> OUT <input type="radio"/>
GRID:	
HOR. SCALE:	NTS
VER. SCALE:	N/A
DATE:	1/3/2024
SHEET	1 OF 1
DESIGNED BY:	MC
DRAWN BY:	MCC
CHECKED BY:	MCC
DEPARTMENT:	200

JEA 1" COMMUNICATIONS CONDUIT DETAIL



Jackson Energy Authority

WORK ORDER #

COMM

JACKSON ENERGY AUTHORITY
MANUFACTURED HOME AND TEMPORARY SERVICE STANDARD

ALL SERVICES MUST MEET NATIONAL ELECTRICAL CODE
JACKSON ENERGY AUTHORITY RESERVES THE RIGHT TO DISAPPROVE
ANY SERVICE THAT DOES NOT MEET JEA'S MECHANICAL REQUIREMENTS
ELECTRICIAN SHALL OBTAIN METER LOCATION AND WIRING PERMIT
PRIOR TO COMMENCING WORK

All mobile home and temporary service poles shall be a minimum of 6" in diameter or square and treated.

A 20 foot pole, or treated 6"x6" timber, shall be buried 5 feet below ground level. Any pole height other than 20 foot, must be approved by JEA personnel. The eyebolt shall be furnished and installed by an electrician.

Pole height requirements are subject to change at the discretion of JEA Personnel. Clearance to point of attachment (including drip loops) shall be a minimum of 12 feet above ground or as tall as 18 feet above ground where the service crosses alleys or public streets.

Installer shall install and support pole. Concrete shall be placed around pole, be visible at ground level, and cured a minimum of one day. Supporting guys and anchors shall be utilized if service drop is longer than 100 ft, or as required by JEA Project Coordinator.

A U.L. approved outside main disconnect with additional spaces for breakers located under meter base is required.

A ground wire of #4 copper shall run unspliced from meterbase or disconnect to a driven ground rod.

Service entrance conductors must extend at least 18" from weather head.

For a service entrance use a rigid or SCH 40 P.V.C. pipe. All fittings must be weatherproof, galvanized straps within 3' from the top of the meter base and just below weatherhead.

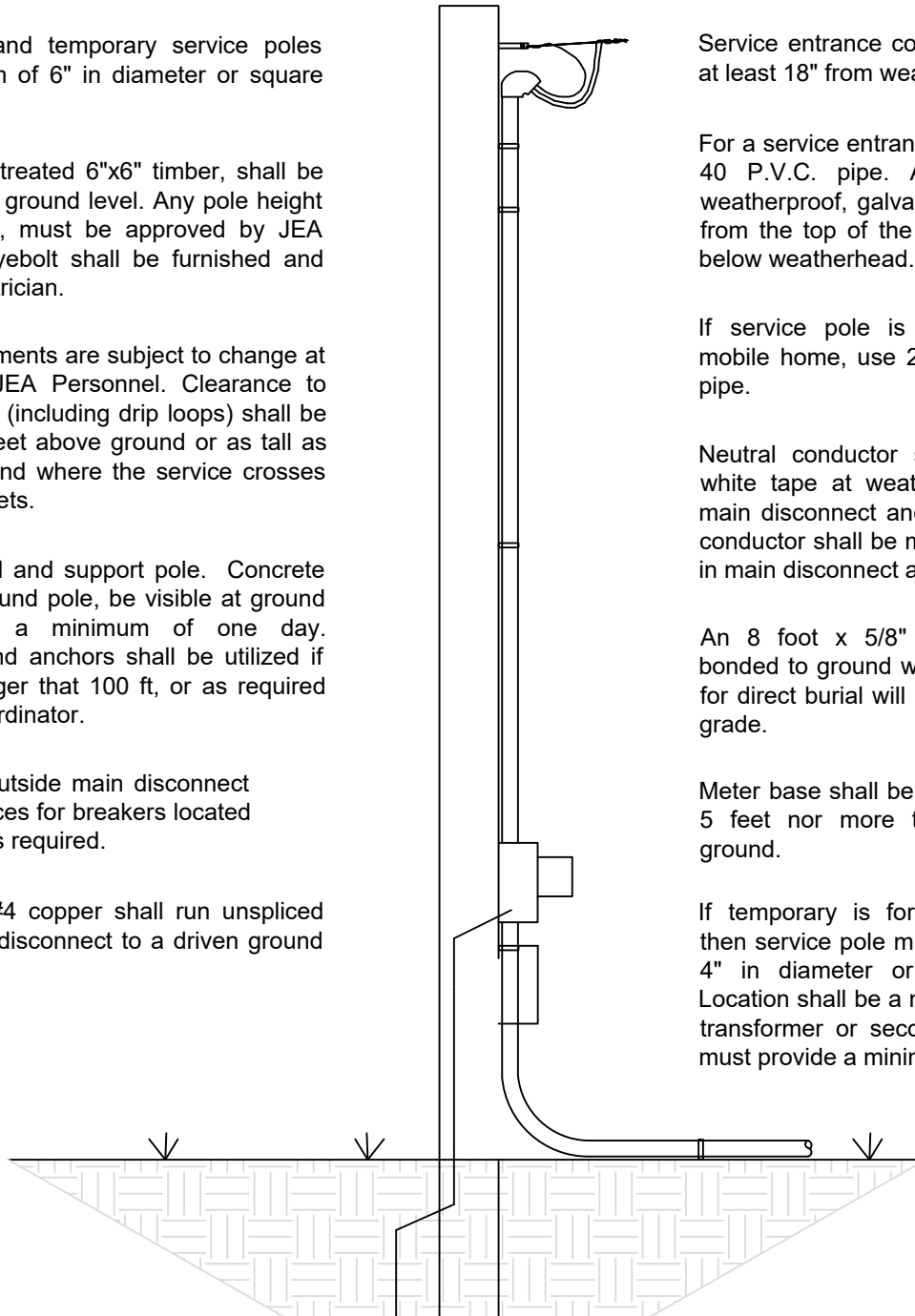
If service pole is more than 12" from mobile home, use 2" rigid SCH 80 P.V.C. pipe.

Neutral conductor shall be marked with white tape at weatherhead, meter base, main disconnect and switch box. Ground conductor shall be marked with green tape in main disconnect and switch box.

An 8 foot x 5/8" diameter ground rod bonded to ground wire with clamp suitable for direct burial will be installed below final grade.

Meter base shall be mounted not less than 5 feet nor more than 6 feet from the ground.

If temporary is for underground service, then service pole must have a minimum of 4" in diameter or square and treated. Location shall be a maximum of 3 feet from transformer or secondary box. Contractor must provide a minimum of 6 feet of tails.



**JACKSON ENERGY AUTHORITY
OVERHEAD TEMPORARY SERVICE STANDARD**

ALL SERVICES MUST MEET NATIONAL ELECTRICAL CODE
JACKSON ENERGY AUTHORITY RESERVES THE RIGHT TO DISAPPROVE
ANY SERVICE THAT DOES NOT MEET JEA'S MECHANICAL REQUIREMENTS
ELECTRICIAN SHALL OBTAIN METER LOCATION AND WIRING PERMIT
PRIOR TO COMMENCING WORK

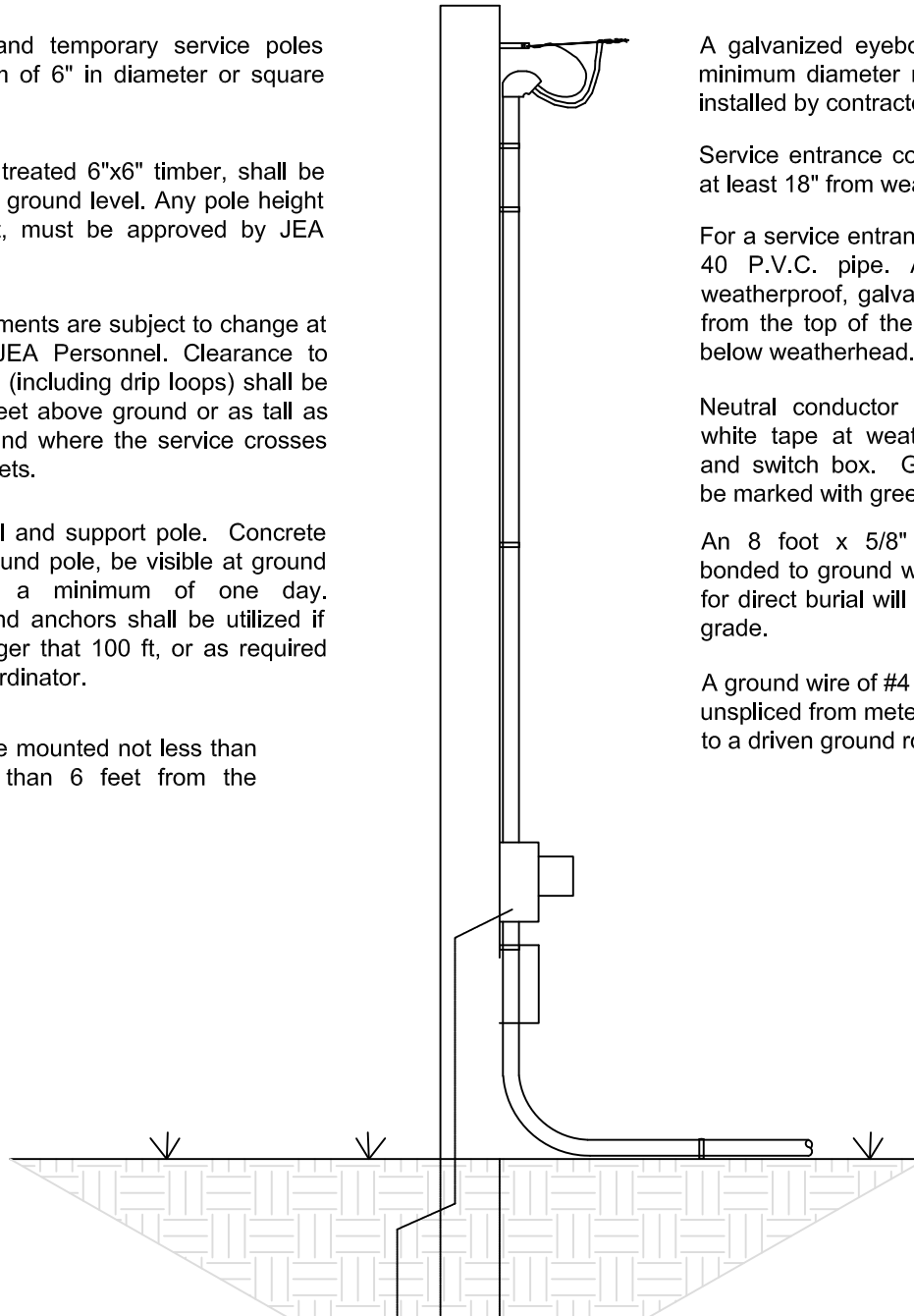
All mobile home and temporary service poles shall be a minimum of 6" in diameter or square and treated.

A 20 foot pole, or treated 6"x6" timber, shall be buried 5 feet below ground level. Any pole height other than 20 foot, must be approved by JEA personnel.

Pole height requirements are subject to change at the discretion of JEA Personnel. Clearance to point of attachment (including drip loops) shall be a minimum of 12 feet above ground or as tall as 18 feet above ground where the service crosses alleys or public streets.

Installer shall install and support pole. Concrete shall be placed around pole, be visible at ground level, and cured a minimum of one day. Supporting guys and anchors shall be utilized if service drop is longer than 100 ft, or as required by JEA Project Coordinator.

Meter base shall be mounted not less than 5 feet nor more than 6 feet from the ground.



A galvanized eyebolt (not screw) with $\frac{5}{8}$ " minimum diameter must be provided and installed by contractor.

Service entrance conductors must extend at least 18" from weather head.

For a service entrance use a rigid or SCH 40 P.V.C. pipe. All fittings must be weatherproof, galvanized straps within 3' from the top of the meter base and just below weatherhead.

Neutral conductor shall be marked with white tape at weatherhead, meter base, and switch box. Ground conductor shall be marked with green tape in switch box.

An 8 foot x $\frac{5}{8}$ " diameter ground rod bonded to ground wire with clamp suitable for direct burial will be installed below final grade.

A ground wire of #4 copper shall run unspliced from meterbase or disconnect to a driven ground rod.

JACKSON ENERGY AUTHORITY
UNDERGROUND TEMPORARY SERVICE STANDARDS

ALL SERVICES MUST MEET NATIONAL ELECTRICAL CODE
JACKSON ENERGY AUTHORITY RESERVES THE RIGHT TO DISAPPROVE
ANY SERVICE THAT DOES NOT MEET JEA'S MECHANICAL REQUIREMENTS
**ELECTRICIAN SHALL OBTAIN METER LOCATION AND WIRING PERMIT
PRIOR TO COMMENCING WORK**

UG service temp pole must be a minimum of 6'6" tall above ground and minimum of 4 in diameter wood post or 2" rigid steel pipe. Pole must also be buried at least 2' in the ground

An OH temporary service pole can be used as an UG temporary service pole as long as it passes inspection.

Location shall be a maximum of 1 foot from transformer or secondary box. Contractor must provide a minimum of 8 feet of tails.

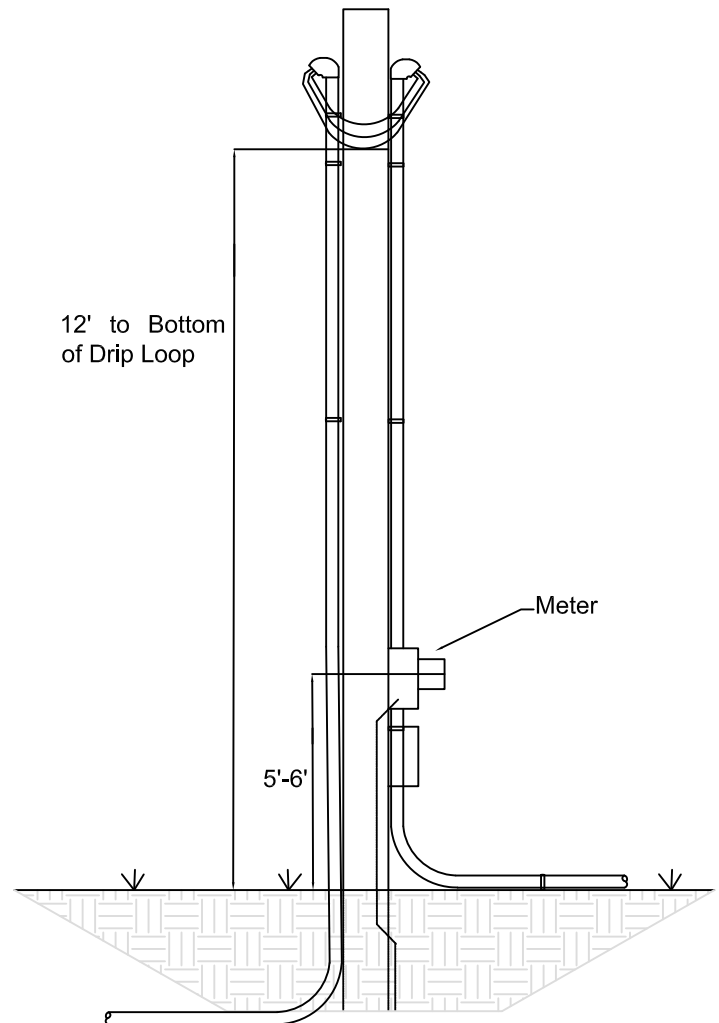
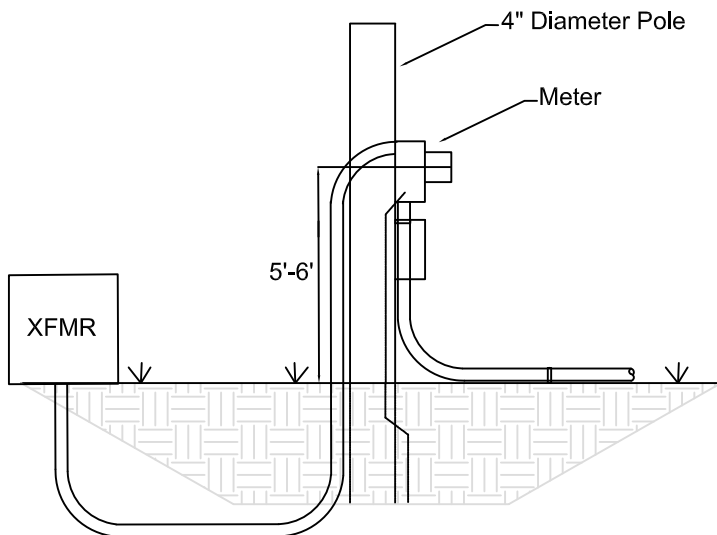
JEA recommends locates for each install.

Neutral conductor shall be marked with white tape at meter base and switch box. Ground conductor shall be marked with green tape in switch box.

A ground wire of #4 copper shall run unspliced from meterbase or disconnect to a driven ground rod. As required by code.

An 8 foot x 5/8" diameter ground rod bonded to ground wire with clamp suitable for direct burial will be installed below final grade.

Meter base shall be mounted not less than 5 feet nor more than 6 feet from the ground.



Revised:
1/3/2024



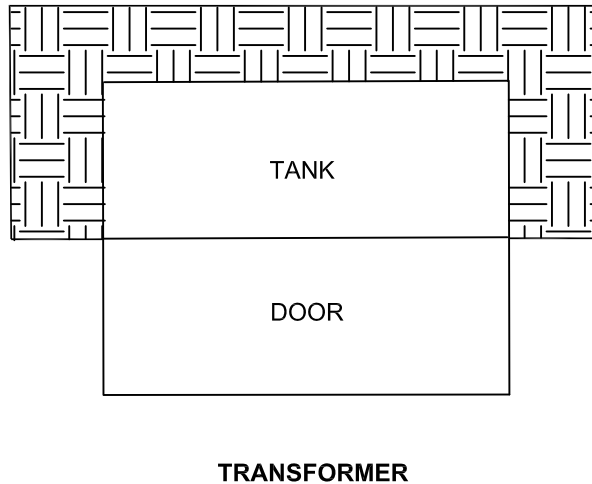
Jackson Energy Authority

**UG TEMP
SERVICE
POLE**

JACKSON ENERGY AUTHORITY
UNDERGROUND TEMPORARY SERVICE STANDARDS

ALL SERVICES MUST MEET NATIONAL ELECTRICAL CODE
JACKSON ENERGY AUTHORITY RESERVES THE RIGHT TO DISAPPROVE
ANY SERVICE THAT DOES NOT MEET JEA'S MECHANICAL REQUIREMENTS
**ELECTRICIAN SHALL OBTAIN METER LOCATION AND WIRING PERMIT
PRIOR TO COMMENCING WORK**

Meter base must be located **INSIDE** of the shaded area.
1' from pad.



JACKSON ENERGY AUTHORITY
RESIDENTIAL OVERHEAD METER SPOTS

ALL SERVICES MUST MEET NATIONAL ELECTRICAL CODE
JACKSON ENERGY AUTHORITY RESERVES THE RIGHT TO DISAPPROVE
ANY SERVICE THAT DOES NOT MEET JEA'S MECHANICAL REQUIREMENTS
ELECTRICIAN SHALL OBTAIN METER LOCATION AND WIRING PERMIT
PRIOR TO COMMENCING WORK

Clearance to point of attachment (including drip loops) shall be a minimum of 12 feet above ground or as tall as 18 feet above ground where the service crosses alleys or public streets.

The attachment will be to a periscope unless otherwise specified by a certified JEA representative.

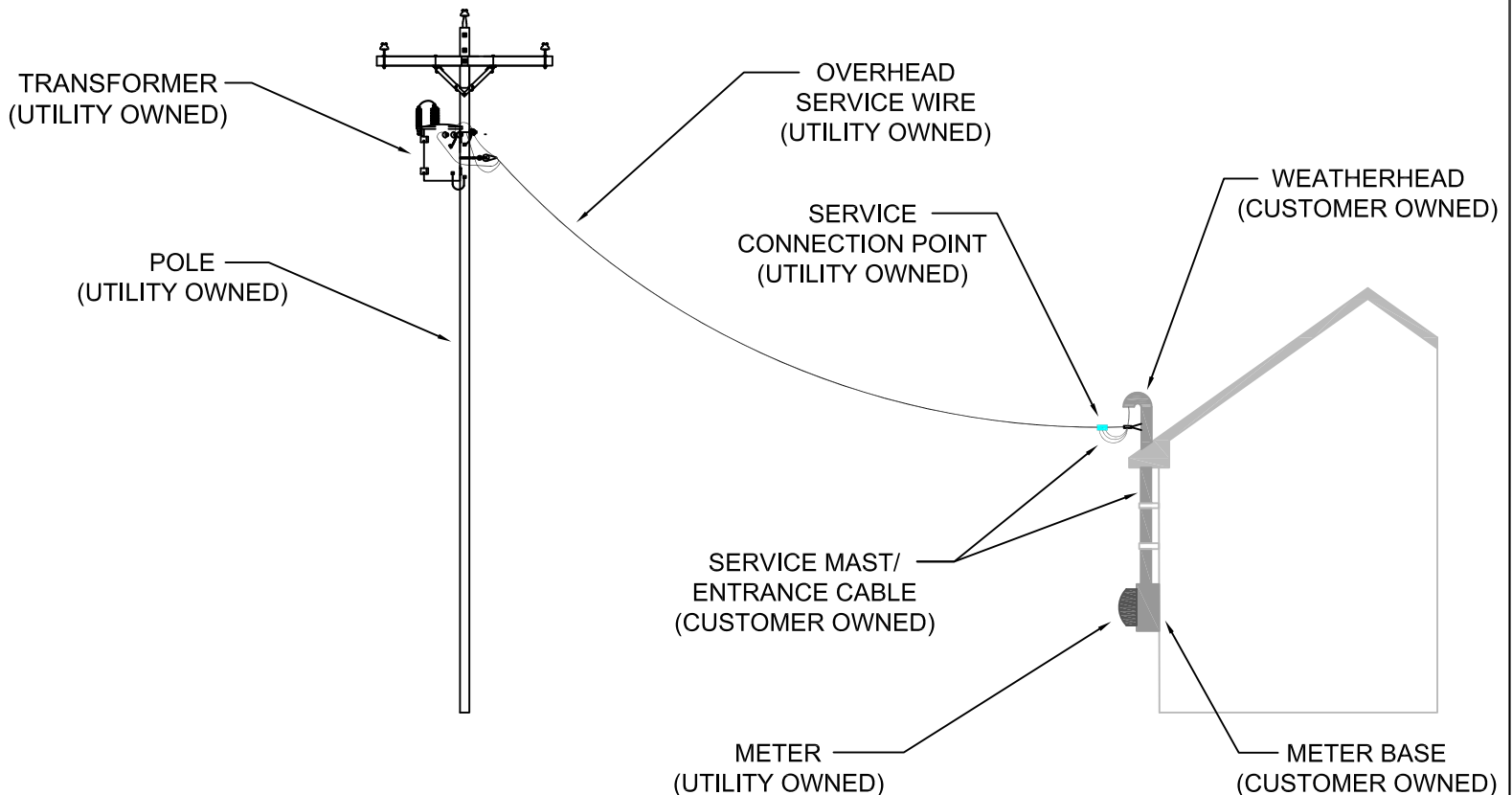
Service entrance conductors must extend at least 18" from weatherhead.

Neutral conductor shall be marked with white tape at weatherhead and meter base.

Meter bases shall be mounted not less than 5 feet nor more than 6 feet from the ground.

An 8 foot x 5/8" diameter ground rod bonded to ground wire with clamp suitable for direct burial will be installed below final grade.

A grounded wire of #4 copper shall run unspliced from meter base or disconnect to a driven ground rod.



Revised:
1/3/2024



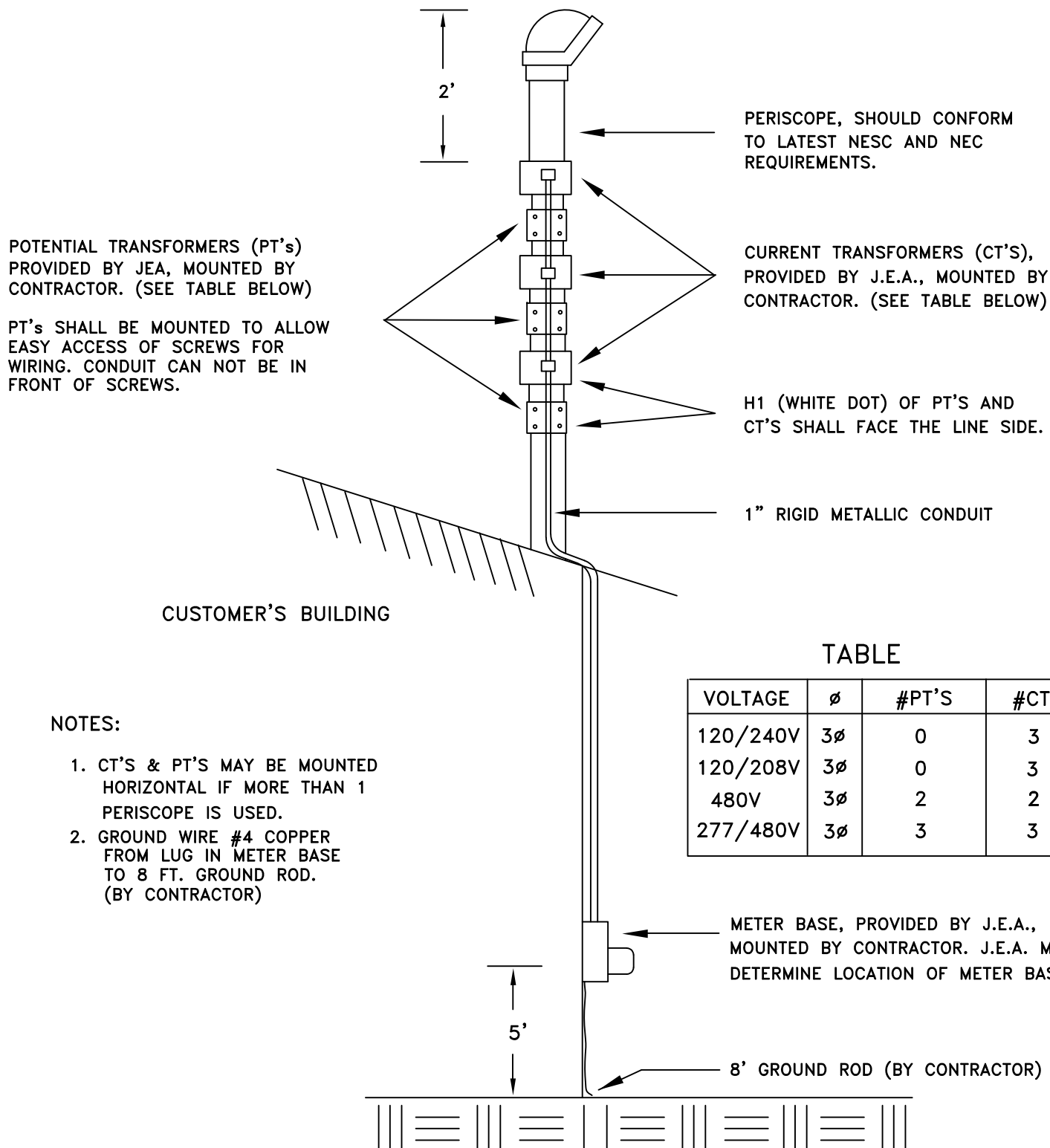
Jackson Energy Authority

OH
SERVICE

Meterbase Specifications

Class	Meter Voltage	Service	Service Voltage	Socket Item Code	Description	Example Catalog Number
100	120V	3-wire 1-phase	120/240V	S130	125A, 4 Terminal, Ringless, 600VAC, 1 1/4" Hub, Triplex Ground	Milbank U7487-YL-TG
200	240V	3-wire 1-phase	120/240V	S140-OH	200A, 4 Terminal, Ringless, 600VAC, 2" Hub, Triplex Ground	Milbank U7021-DL-TG
200	240V	3-wire 1-phase	120/240V	S142-UG	200A, 4 Terminal, Ringless, 600VAC, Blank Hub, with Side Wire Space	Milbank U1980-O
200	120/208V	3-wire Network 1-phase	120/208V	S140-OH	200A, 5 Terminal, Ringless, 600VAC, 2" Hub, Triplex Ground	Milbank U7021-DL-TG-5T9*
200	120/208V	3-wire Network 1-phase	120/208V	S142-UG	200A, 5 Terminal, Ringless, 600VAC, Blank Hub, with Side Wire Space	Milbank U1980-O-5T9*
320	240V	3-wire 1-phase	120/240V	S144-OH	320A, 4 Terminal, Ringless, 600VAC, Large Hub, Jaw Clamping Bypass Lever	Milbank U1079-R
320	240V	3-wire 1-phase	120/240V	S144-UG	320A, 4 Terminal, Ringless, 600VAC, Blank Hub, Jaw Clamping Heavy Bypass Lever	Milbank U1797-O-K3L-K2L
200	120/208V	4-wire 3-phase Wye	120/208V	S340	200A, 7 Terminal, Ringless, 600VAC, 2.75" Hub, Jaw Clamping Bypass Lever	Landis & Gyr 40407-025
200	120/240V	4-wire 3-phase Delta	120/240V	S340	200A, 7 Terminal, Ringless, 600VAC, 2.75" Hub, Jaw Clamping Bypass Lever	Landis & Gyr 40407-025
320	120/208V	4-wire 3-phase Wye	120/208V	S370	320A, 7 Terminal, Ringless, 600VAC, Large Closing Plate, Jaw Clamping Bypass Lever	Milbank U2594-X
320	120/240V	4-wire 3-phase Delta	120/240V	S370	320A, 7 Terminal, Ringless, 600VAC, Large Closing Plate, Jaw Clamping Bypass Lever	Milbank U2594-X

* Part 5T8K2 can be purchased and installed by electrician instead of ordering meter base with 5th terminal already installed. Electrician shall install a white jumper from the neutral bar to the 5th terminal.



CUSTOMER CT CABINETS

1. CT Cabinets will be required on 120/208v 3-PH underground services above 400A and all 277/480v underground services. Overhead services greater than 400A can have CT's mounted on building, but CT cabinet can be installed if desired.
2. The size of the cabinet will be determined by the electrician at time of installation.
3. Cabinets shall be Type 3R Rainproof Continuous Hinge, UL 50 Listed, Painted ANSI 61 Grey, and manufactured by Eaton, C&I, or approved equivalent. (An example of an approved cabinet is provided in this packet.)
4. Please refer to the CT and PT Placement guide in the packet prior to installation.

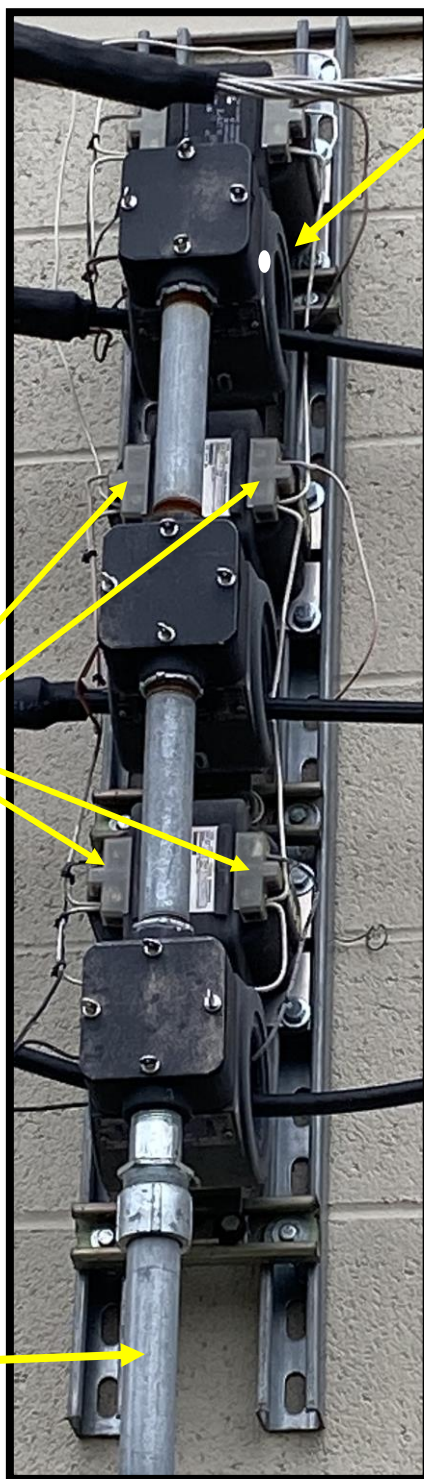
Revised:
1/3/2024



Jackson Energy Authority

**PT - CT
Typical**

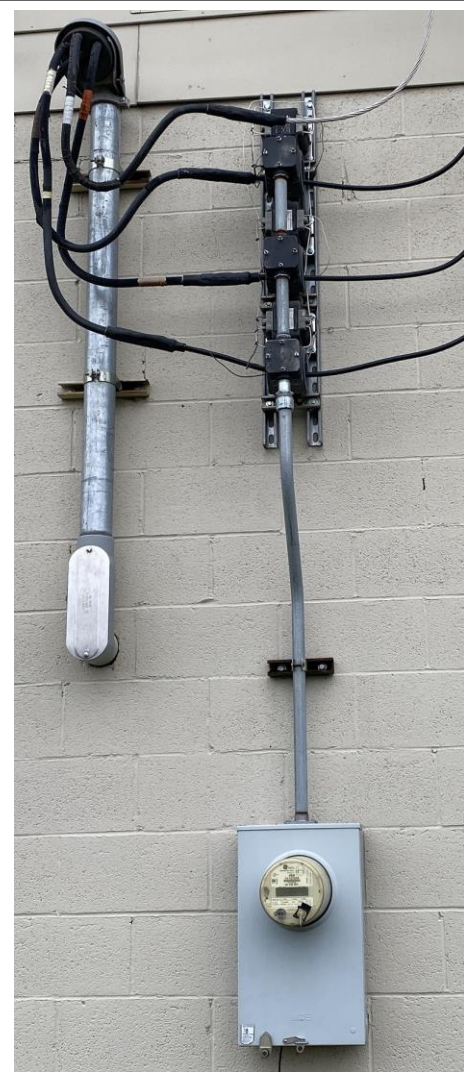
OVERHEAD P.T. AND/OR C.T. INSTALLATION GUIDE



H1 (White Dot) of C.T. shall face the line (transformer) side.

P.T.'s must be mounted to allow easy access of screws for wiring with all P.T. labels facing same direction. CONDUIT **CAN NOT** BE IN FRONT OF SCREWS.

1" RIGID CONDUIT



May be mounted horizontal if more than one periscope is used.

*NOTE : #4 COPPER GROUND WIRE MUST BE INSTALLED FROM LUG IN METER BASE TO 8 FT. GROUND

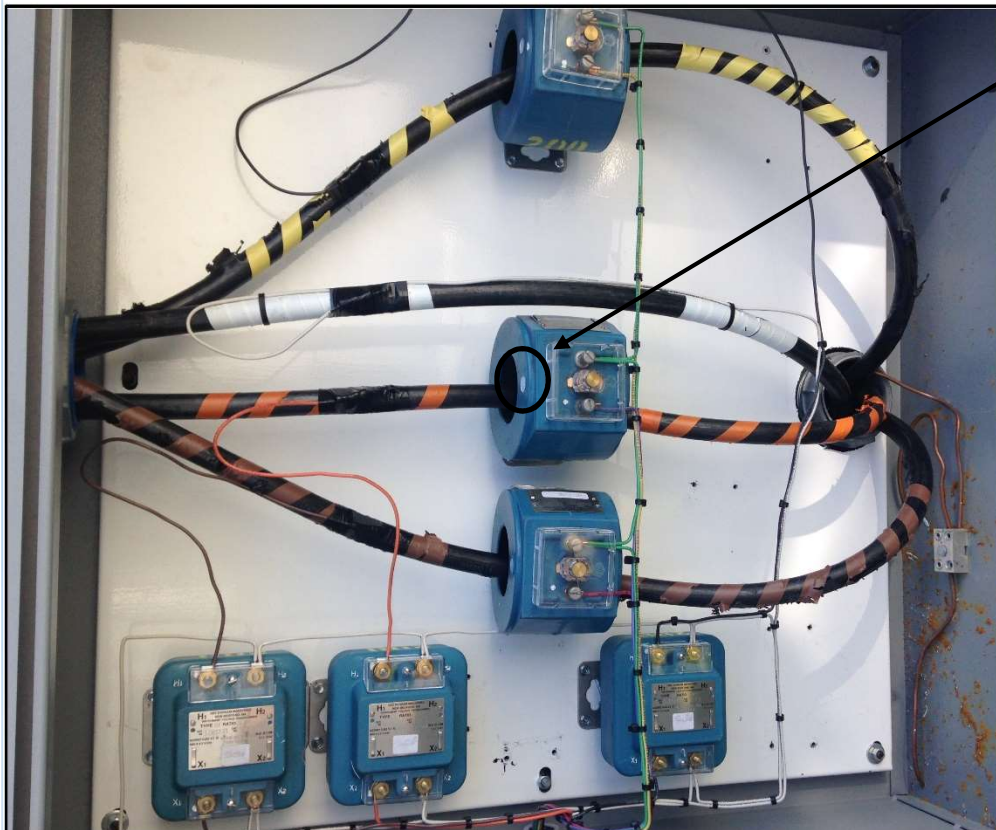
C.T. AND P.T. PLACEMENT GUIDE (C.T. CABINET)

Bushing
to be
installed
on 1"
Rigid
Conduit



CT's & PT'S(If required)
in **straight line** either
vertical or horizontal.

Screw Heads in
**straight line with H1
& H2 on same side**
and **clear from**
service conductors.



WHITE DOT toward
LINE(Transformer) side.

**CT Cabinet Back
Plate Must Be
Used for CT/PT
Attachment**

*NOTE : #4 **COPPER GROUND WIRE** MUST BE INSTALLED FROM LUG IN METER BASE TO 8 FT.
GROUND ROD. GROUND WIRE MUST **NOT** BE RAN THROUGH CONDUIT BETWEEN METER CAN AND
C.T. CABINET.

Type 1, 3, & 3R Enclosures

Panel Enclosures Type 3R Large Continuous Hinge Cover Data Sheet and Catalog Number



Type 1, 3, & 3R Enclosures

Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see below)
- Enclosure standard without knockouts
- Door is secured to the body with a continuous hinge and stainless steel pin on one side and captive screws on the opposite side
- Door has padlock hasp with sealing hole provision
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting
- Ground stud provided on door

Finish

- Wash and phosphate undercoat
- ANSI 61 gray painted finish

Accessories

- Panels
- Touch-up paint
- See Accessories section

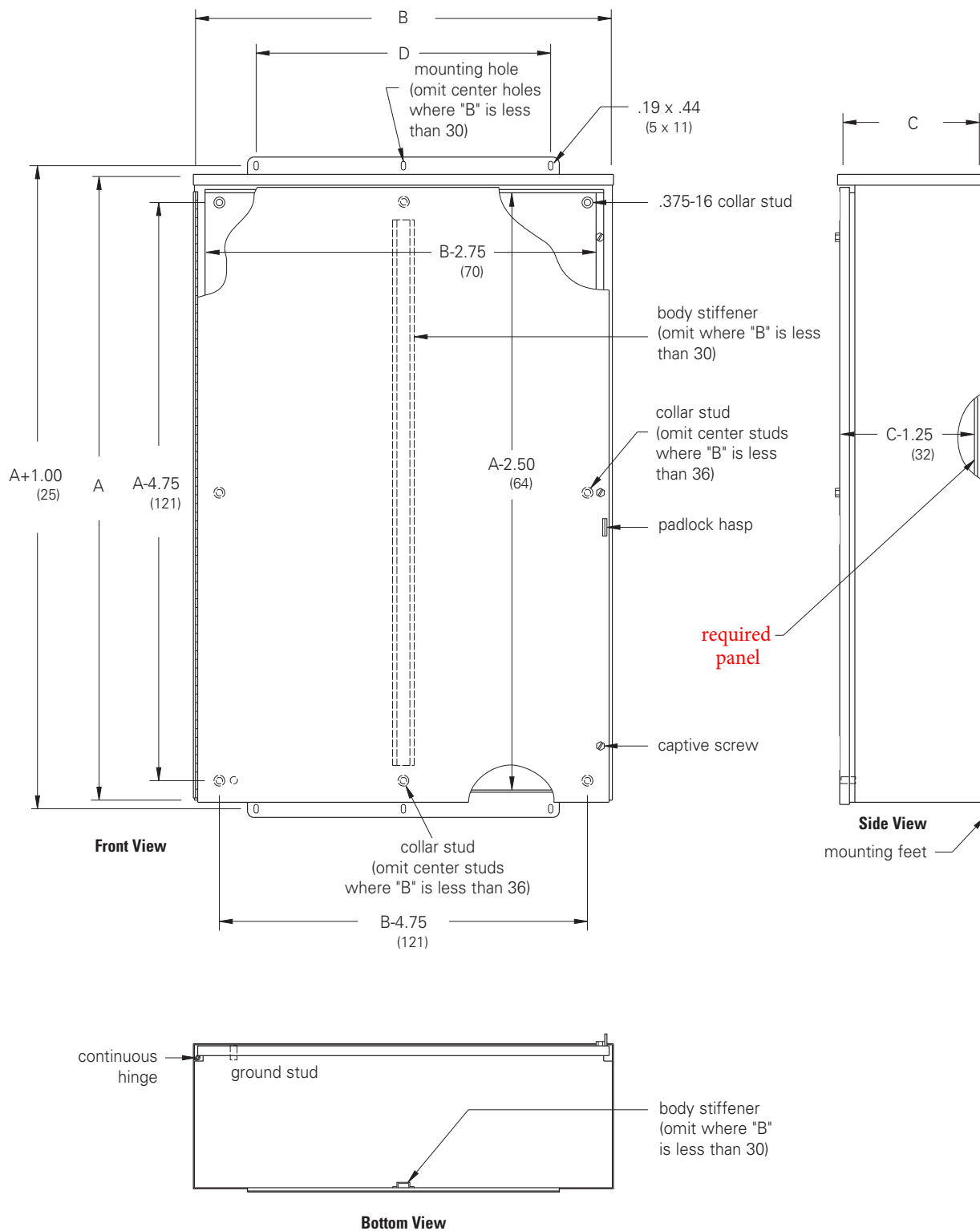
Discount Schedule: A2

Subclass: AU0

Enclosure	Enclosure Size		D		Gauge	Panel	Panel Size	
Catalog Number	Height	Width x Depth	in.	mm		Catalog Number	Height	Width
	in.	A x B x C					in.	mm
16126RHC	16.00 x 12.00 x 6.00	406 x 305 x 152	5.00	127	16	N1612P	13.00 x 9.00	330 x 229
16166RHC	16.00 x 16.00 x 6.00	406 x 406 x 152	9.00	229	16	N1616P	13.00 x 13.00	330 x 330
18186RHC	18.00 x 18.00 x 6.00	457 x 457 x 152	13.00	330	16	N1818P	15.00 x 15.00	381 x 381
181810RHC	18.00 x 18.00 x 10.00	457 x 457 x 254	13.00	330	16	N1818P	15.00 x 15.00	381 x 381
20166RHC	20.00 x 16.00 x 6.00	508 x 406 x 152	9.00	229	16	N2016P	17.00 x 13.00	432 x 330
20208RHC	20.00 x 20.00 x 8.00	508 x 508 x 203	13.00	330	16	N2020P	17.00 x 17.00	432 x 432
24208RHC	24.00 x 20.00 x 8.00	610 x 508 x 203	13.00	330	16	N2420P	20.87 x 16.87	530 x 428
24248RHC	24.00 x 24.00 x 8.00	610 x 610 x 203	17.00	432	14	N2424P	20.87 x 20.87	530 x 530
242410RHC	24.00 x 24.00 x 10.00	610 x 610 x 254	17.00	432	14	N2424P	20.87 x 20.87	530 x 530
30248RHC	30.00 x 24.00 x 8.00	762 x 610 x 203	17.00	432	14	N3024P	26.87 x 20.87	682 x 530
302410RHC	30.00 x 24.00 x 10.00	762 x 610 x 254	17.00	432	14	N3024P	26.87 x 20.87	682 x 530
30308RHC	30.00 x 30.00 x 8.00	762 x 762 x 203	17.00	432	14	N3030P	26.87 x 26.87	682 x 682
303012RHC	30.00 x 30.00 x 12.00	762 x 762 x 305	27.00	432	14	N3030P	26.87 x 26.87	682 x 682
303016RHC	30.00 x 30.00 x 16.00	762 x 762 x 406	27.00	432	14	N3030P	26.87 x 26.87	682 x 682
362412RHC	36.00 x 24.00 x 12.00	914 x 610 x 305	17.00	432	14	N3624P	32.87 x 20.87	835 x 530
363012RHC	36.00 x 30.00 x 12.00	914 x 762 x 305	27.00	432	14	N3630P	32.87 x 26.87	835 x 682
363610RHC	36.00 x 36.00 x 10.00	914 x 914 x 254	27.00	432	14	N3636P	32.87 x 32.87	835 x 835
363612RHC	36.00 x 36.00 x 12.00	914 x 914 x 305	27.00	432	14	N3636P	32.87 x 32.87	835 x 835
423012RHC	42.00 x 30.00 x 12.00	1067 x 762 x 305	27.00	432	14	N4230P	38.87 x 26.87	987 x 682
423612RHC	42.00 x 36.00 x 12.00	1067 x 914 x 305	27.00	432	14	N4236P	38.87 x 32.87	987 x 835
483612RHC	48.00 x 36.00 x 12.00	1219 x 914 x 305	27.00	432	14	N4836P	44.87 x 32.87	1140 x 835
483616RHC	48.00 x 36.00 x 16.00	1219 x 914 x 406	27.00	432	14	N4836P	44.87 x 32.87	1140 x 835
603612RHC	60.00 x 36.00 x 12.00	1524 x 914 x 305	27.00	432	14	N6036P	56.87 x 32.87	1444 x 835

Notes: We can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Enclosures Type 3R Large Continuous Hinge Cover Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.