



**Tideland Electric Membership Corporation  
Pantego, North Carolina**

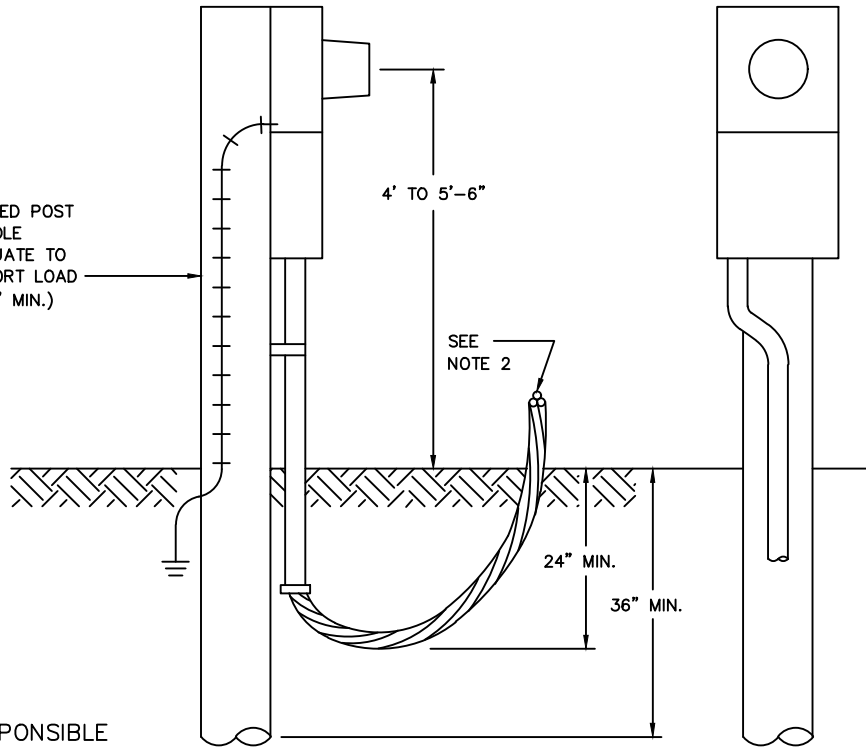
**SERVICE REQUIREMENTS**

# **TEMC SERVICE REQUIREMENTS**

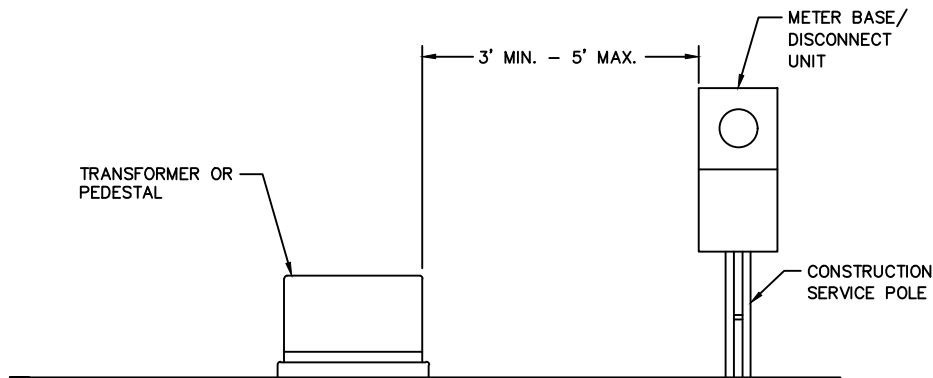
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TREATED POST  
OR POLE  
ADEQUATE TO  
SUPPORT LOAD  
(4"X4" MIN.)



\*MEMBER IS RESPONSIBLE  
FOR CALLING 811 FOR  
EXISTING UTILITY LOCATION.



**NOTES:**

- MEMBER SHALL FURNISH AND INSTALL ALL ITEMS EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
- MEMBERS'S ELECTRICAL CONTRACTOR SHALL SUPPLY SUITABLE CONDUCTORS FROM SOURCE SIDE LUGS OF METER BASE TO 10' MINIMUM BEYOND END OF CONDUIT RISER.
- THE FOLLOWING NUMBER OF STANDARD TEMPORARY CONSTRUCTION SERVICES (OVERHEAD OR UNDERGROUND) WILL BE PROVIDED AT NO CHARGE:
  - HOUSES – ONE PER HOUSE
  - CONDOMINIUM, TOWNHOUSE, OR APARTMENT COMPLEX – ONE PER BUILDING
  - INDUSTRIAL OR OTHER COMMERCIAL STRUCTURES – ONE PER BUILDING
- CHARGES MAY APPLY TO ANY NON-STANDARD TEMPORARY SERVICE. CONSULT THE COOPERATIVE FOR INSTALLATION DETAILS AND CHARGES.
- IN THOSE CASES WHERE THE SOURCE IS A PAD-MOUNTED TRANSFORMER, THE SERVICE POST SHALL BE INSTALLED TO EITHER SIDE OF THE TRANSFORMER, NOT IN FRONT OF OR DIRECTLY BEHIND IT. THE FRONT OF THE TRANSFORMER IS THE SIDE WITH THE PADLOCK.
- COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.

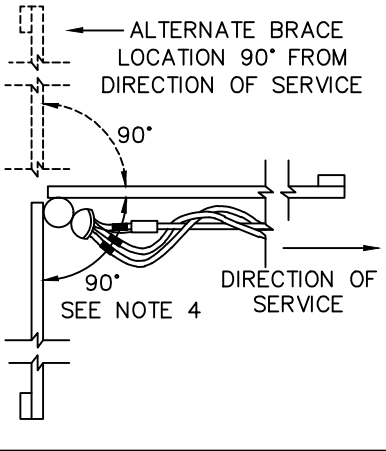
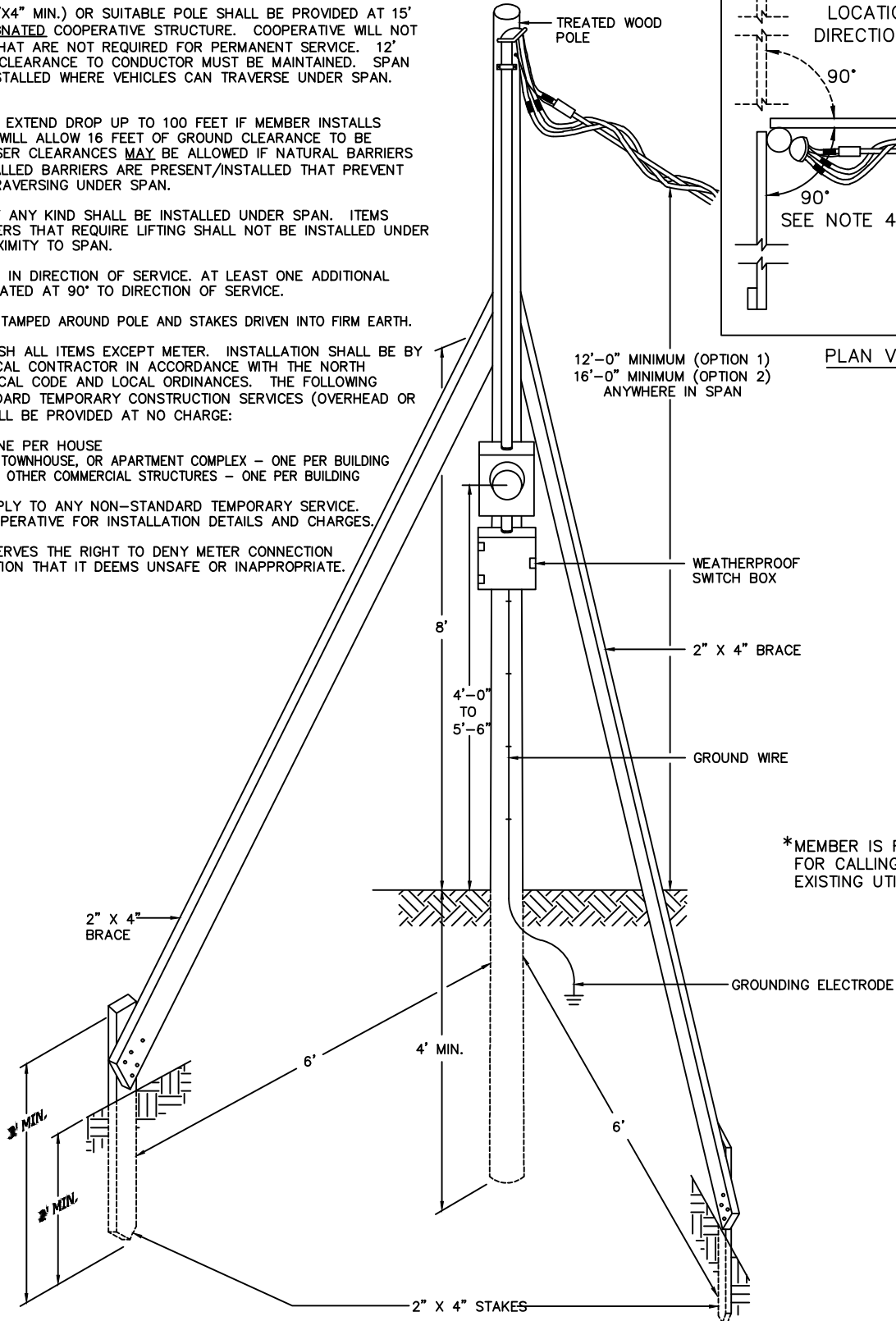


155 U.S. HWY. 70 WEST  
N.C. CORP. C-1063  
**Utility  
Electrical  
Consultants  
PC**  
GARNER, NORTH CAROLINA  
PH (919) 821-1410

TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
UNDERGROUND TEMPORARY SERVICE 120/240V			
DRAWN BY:	ABB	JOB NO.:	22-2181
CHECKED BY:	TBP	CAD FILE:	ES1-0
APPROVED BY:	TBP	DATE:	09/07/2023
SCALE:	N.T.S.	SHEET NO.	1 OF 1

**NOTES:**

1. OPTION 1:  
TREATED POST (4"X4" MIN.) OR SUITABLE POLE SHALL BE PROVIDED AT 15' (MAX) FROM DESIGNATED COOPERATIVE STRUCTURE. COOPERATIVE WILL NOT SET NEW POLES THAT ARE NOT REQUIRED FOR PERMANENT SERVICE. 12' MINIMUM GROUND CLEARANCE TO CONDUCTOR MUST BE MAINTAINED. SPAN SHALL NOT BE INSTALLED WHERE VEHICLES CAN TRAVERSE UNDER SPAN.
2. OPTION 2:  
COOPERATIVE WILL EXTEND DROP UP TO 100 FEET IF MEMBER INSTALLS STRUCTURE THAT WILL ALLOW 16 FEET OF GROUND CLEARANCE TO BE MAINTAINED. LESSER CLEARANCES MAY BE ALLOWED IF NATURAL BARRIERS OR MEMBER-INSTALLED BARRIERS ARE PRESENT/INSTALLED THAT PREVENT VEHICLES FROM TRAVERSING UNDER SPAN.
3. NO STRUCTURE OF ANY KIND SHALL BE INSTALLED UNDER SPAN. ITEMS SUCH AS DUMPSTERS THAT REQUIRE LIFTING SHALL NOT BE INSTALLED UNDER OR IN CLOSE PROXIMITY TO SPAN.
4. ONE BRACE TO BE IN DIRECTION OF SERVICE. AT LEAST ONE ADDITIONAL BRACE TO BE LOCATED AT 90° TO DIRECTION OF SERVICE.
5. SOIL TO BE FIRMLY TAMPED AROUND POLE AND STAKES DRIVEN INTO FIRM EARTH.
6. MEMBER TO FURNISH ALL ITEMS EXCEPT METER. INSTALLATION SHALL BE BY LICENSED ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES. THE FOLLOWING NUMBER OF STANDARD TEMPORARY CONSTRUCTION SERVICES (OVERHEAD OR UNDERGROUND) WILL BE PROVIDED AT NO CHARGE:
  - HOUSES – ONE PER HOUSE
  - CONDOMINIUM, TOWNHOUSE, OR APARTMENT COMPLEX – ONE PER BUILDING
  - INDUSTRIAL OR OTHER COMMERCIAL STRUCTURES – ONE PER BUILDING
7. CHARGES MAY APPLY TO ANY NON-STANDARD TEMPORARY SERVICE. CONSULT THE COOPERATIVE FOR INSTALLATION DETAILS AND CHARGES.
8. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



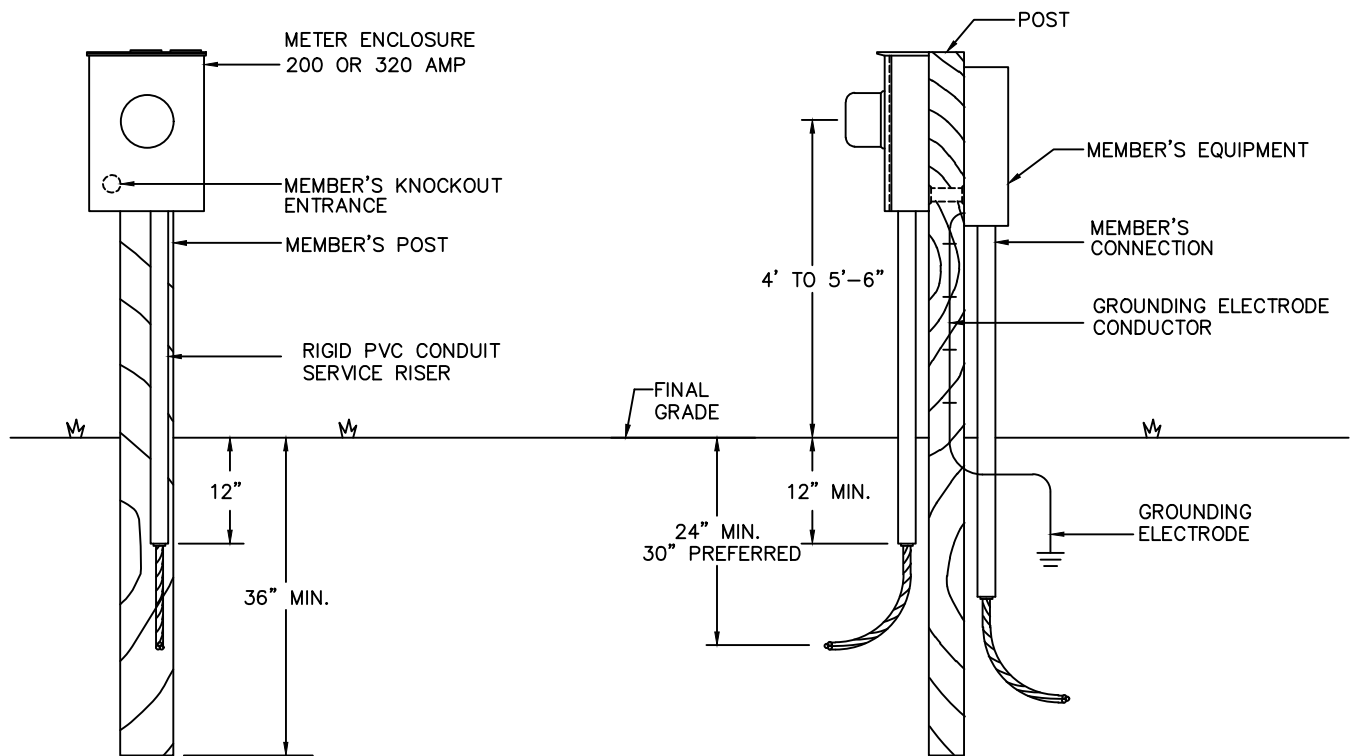
PLAN VIEW

\*MEMBER IS RESPONSIBLE FOR CALLING 811 FOR EXISTING UTILITY LOCATION.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
OVERHEAD TEMPORARY SERVICE 120/240V			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES2-0	APPROVED BY: TBP	DATE: 09/07/2023
		SHEET NO.	1 OF 1



\* MEMBER IS RESPONSIBLE FOR CALLING 811 FOR EXISTING UTILITY LOCATION.

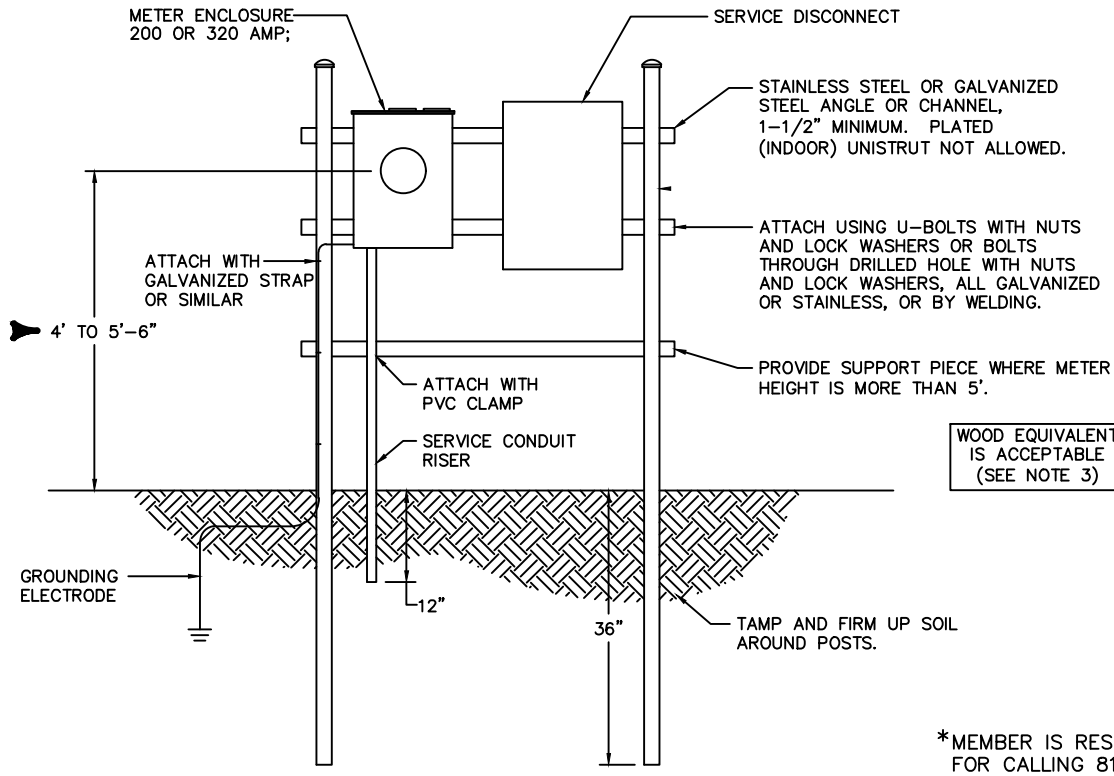
**NOTES:**

1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. MEMBER SHALL FURNISH ONE 4" X 6" OR 6" X 6" TREATED POST SUITABLE TO COOPERATIVE. 4" X 4" POSTS ARE NOT ACCEPTABLE.
3. MOBILE HOME SERVICES – POSTS SHALL BE INSTALLED 18" MIN. FROM THE MOBILE HOME FOR MOUNTING THE SERVICE RISER, METER SOCKET, AND SERVICE EQUIPMENT. METERING EQUIPMENT SHALL FACE AWAY FROM MOBILE HOME SUCH THAT METER IS EASILY READABLE AND ACCESSIBLE.
4. COOPERATIVE WILL PROVIDE AND INSTALL THE UNDERGROUND SERVICE LATERAL ACCORDING TO COOPERATIVE'S STANDARD PRACTICES.
5. BOTTOM OF TRENCH SHALL BE FIRMLY TAMPED NEAR POST. CABLE SHALL BE POSITIONED FIRMLY AGAINST TAMPED EARTH DURING BACKFILLING. BEFORE CABLE TERMINATED, PUSH CABLE DOWN IN CONDUIT TO PROVIDE AS MUCH SLACK AS POSSIBLE TO PREVENT SETTLING OF EARTH FROM PULLING ON CABLE AND DAMAGING METER BASE TERMINALS.
6. SERVICE POINT IS WHERE COOPERATIVE'S CONDUCTORS ATTACH TO METER LUGS.
7. A PROPERLY LISTED DIRECT EARTH BURIAL PEDESTAL IS ACCEPTABLE IN LIEU OF ARRANGEMENT SHOWN.
8. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.
9. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
UNDERGROUND PERMANENT SERVICE POST MOUNTED			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES3-0	APPROVED BY: TBP	DATE: 09/07/2023
SHEET NO.			1 OF 1



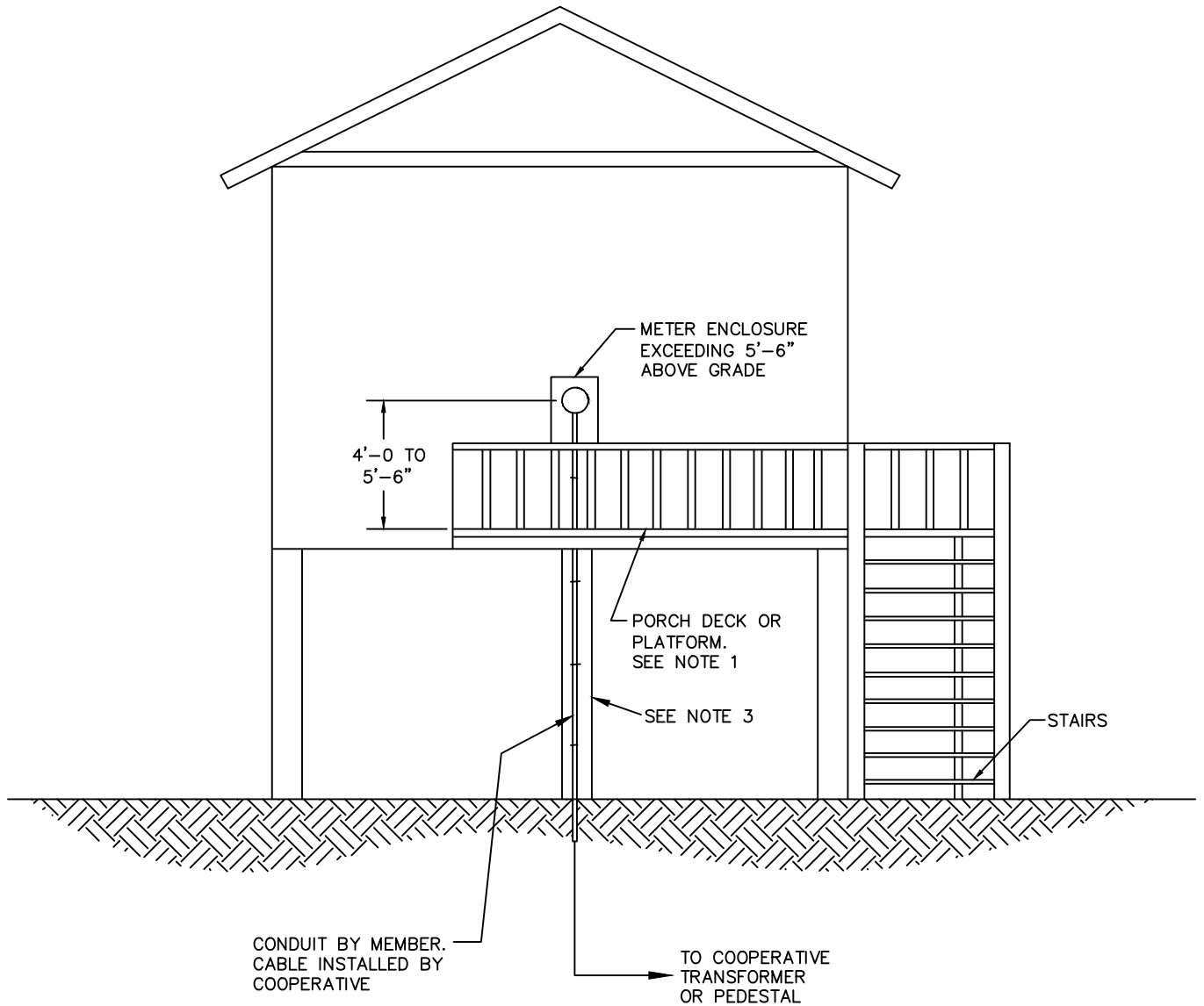
**NOTES:**

1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. MEMBER TO FURNISH AND INSTALL H-FRAME POSTS OF 3" (MIN) GALVANIZED OR ALUMINUM PIPE WITH END CAPS. OTHER POST CONFIGURATIONS MAY BE APPROVED BY COOPERATIVE.
3. WOOD EQUIVALENT H-FRAME IS ACCEPTABLE WITH TWO 4" X 4" (MIN.) TREATED POSTS AND 2X OR 5/4 TREATED BOARDS FOR BACKING. PLYWOOD OF ANY KIND IS NOT ACCEPTABLE.
4. MOBILE HOME SERVICES - H-FRAME SHALL BE INSTALLED 18" MIN. FROM THE MOBILE HOME FOR MOUNTING THE SERVICE RISER, METER SOCKET, AND SERVICE EQUIPMENT. METERING EQUIPMENT SHALL FACE AWAY FROM MOBILE HOME SUCH THAT METER IS EASILY READABLE AND ACCESSIBLE. OTHER CONSTRUCTION IS PERMISSIBLE WITH LOCAL ENGINEER'S APPROVAL.P
5. COOPERATIVE WILL PROVIDE AND INSTALL THE UNDERGROUND SERVICE LATERAL ACCORDING TO COOPERATIVE'S STANDARD PRACTICES.
6. BOTTOM OF TRENCH SHALL BE FIRMLY TAMPED NEAR POST. CABLE SHALL BE POSITIONED FIRMLY AGAINST TAMPED EARTH DURING BACKFILLING. BEFORE CABLE TERMINATED, PUSH CABLE DOWN IN CONDUIT TO PROVIDE AS MUCH SLACK AS POSSIBLE TO PREVENT SETTLING OF EARTH FROM PULLING ON CABLE AND DAMAGING METER BASE TERMINALS.
7. SERVICE POINT IS WHERE COOPERATIVE'S CONDUCTORS ATTACH TO METER SOCKET.
8. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.
9. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
UNDERGROUND PERMANENT SERVICE H-FRAME STRUCTURE MOUNTED			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE: N.T.S.	
CHECKED BY: TBP	CAD FILE: ES4-D		
APPROVED BY: TBP	DATE: 06/02/2023	SHEET NO. 1 OF 1	



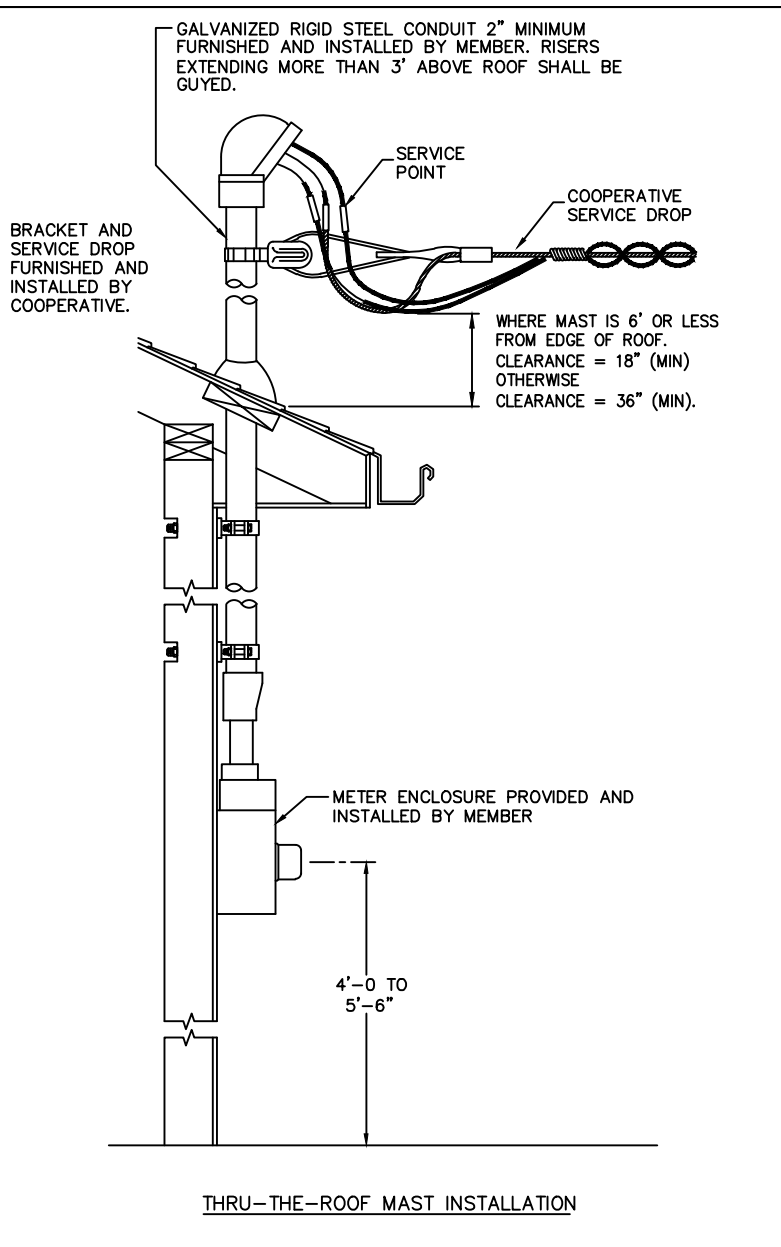
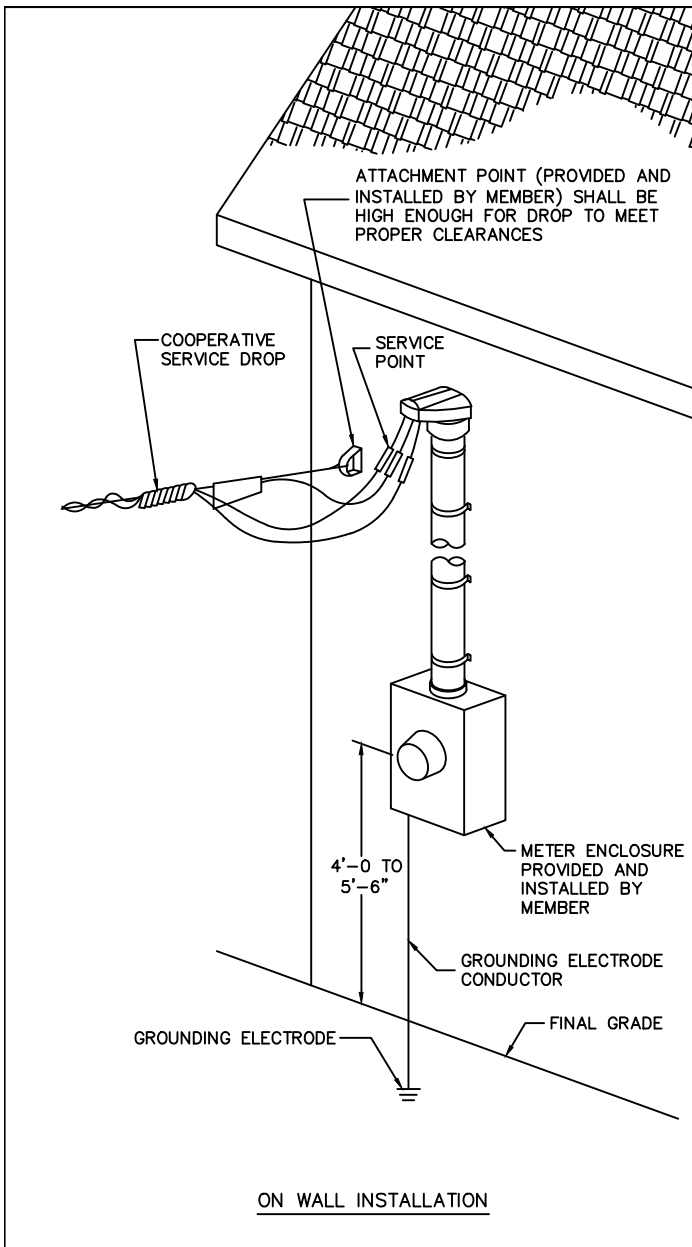
**NOTES:**

1. WHERE METER IS TO BE INSTALLED GREATER THAN 5'-6" FROM GRADE FOR ANY REASON, A SUITABLE PLATFORM SHALL BE INSTALLED THAT PROVIDES A WORKING AREA WITH MINIMUM DIMENSIONS OF W = 30", D = 36", H = 6.5'. METER WILL NOT BE INSTALLED UNLESS THIS REQUIREMENT IS MET; REGARDLESS OF WHETHER INSPECTION CERTIFICATE IS PROVIDED.
2. ALL PLATFORM AND STAIR CONSTRUCTION SHALL BE PROVIDED BY THE MEMBER AS REQUIRED BY COOPERATIVE AND MUST MEET ALL APPLICABLE BUILDING CODES. NO SHIPS LADDERS OR HOMEMADE LADDERS WILL BE APPROVED.
3. WHERE STRUCTURES HAVE OPEN AREAS UNDER THE MAIN BUILDING (EX. HOMES THAT ARE ON PILINGS), CONDUIT SHALL BE INSTALLED ON A SUITABLE SUPPORT. THIS CAN BE A STRUCTURE SUPPORT OR A SUPPLEMENTAL SUPPORT (EX. 4" X 4" TREATED POST). THE PURPOSE FOR THIS SUPPORT IS TO PROVIDE SOME MEASURE OF PROTECTION OF THE CONDUIT FROM DAMAGE CAUSED BY CONTACT FROM ITEMS STORED UNDER HOMES OR STRUCTURES. CONDUIT SHALL NOT EXTEND FROM THE GROUND TO THE METER BASE WITHOUT THIS PROTECTION.
4. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
METER ENCLOSURE INSTALLATIONS FOR ELEVATED STRUCTURES			
DRAWN BY:	ABB	JOB NO.:	22-2181
CHECKED BY:	TBP	CAD FILE:	ES5-0
APPROVED BY:	TBP	DATE:	09/07/2023
SCALE:	N.T.S.	SHEET NO.	1 OF 1



**NOTES:**

1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS ON LOAD SIDE OF SERVICE POINT EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. THRU-THE-ROOF RISERS MUST BE ACCESSIBLE TO A COOPERATIVE BUCKET TRUCK OR A COOPERATIVE EMPLOYEE ON AN EXTENSION LADDER NOT TO EXCEED 25' ABOVE GRADE.
3. RISERS IN EXCESS OF 72" ABOVE ROOF LINES SHALL BE ACCESSIBLE TO A COOPERATIVE BUCKET TRUCK.
4. DISCONNECTS INSTALLED ON RESIDENTIAL SERVICES TO MEET CODE REQUIREMENTS FOR EMERGENCY DISCONNECTS SHALL BE LOCATED AFTER (DOWNSTREAM FROM) THE COOPERATIVE'S METER.
5. NO ATTACHMENTS TO MAST, OTHER THAN ELECTRICAL SERVICE DROP, ARE ALLOWED.
6. SEE ES9.0 FOR SERVICE DROP CLEARANCES.
7. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.
8. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



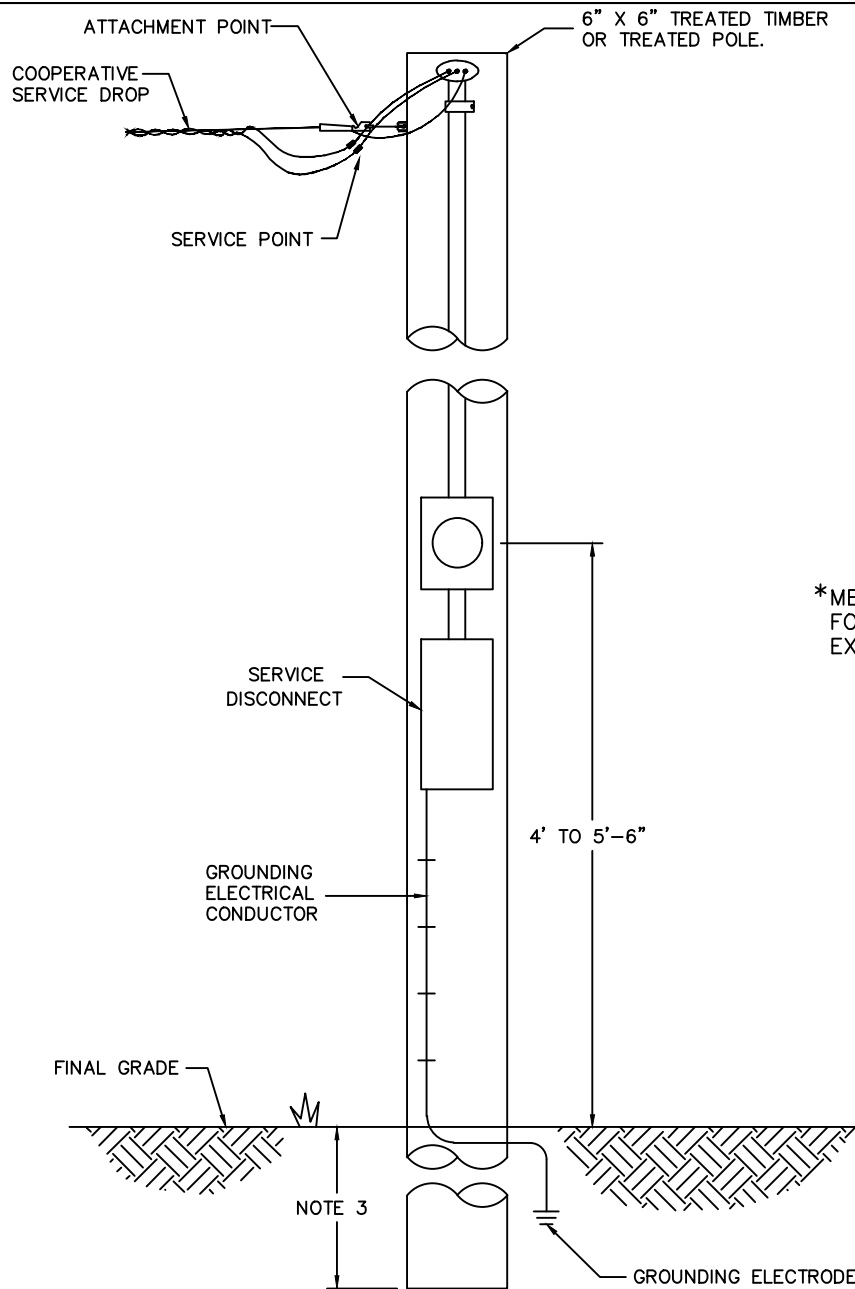
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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
RESIDENTIAL PERMANENT OVERHEAD			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE: N.T.S.	
CHECKED BY: TBP	CAD FILE: ES6-0		
APPROVED BY: TBP	DATE: 06/02/2023	SHEET NO. 1	OF 1





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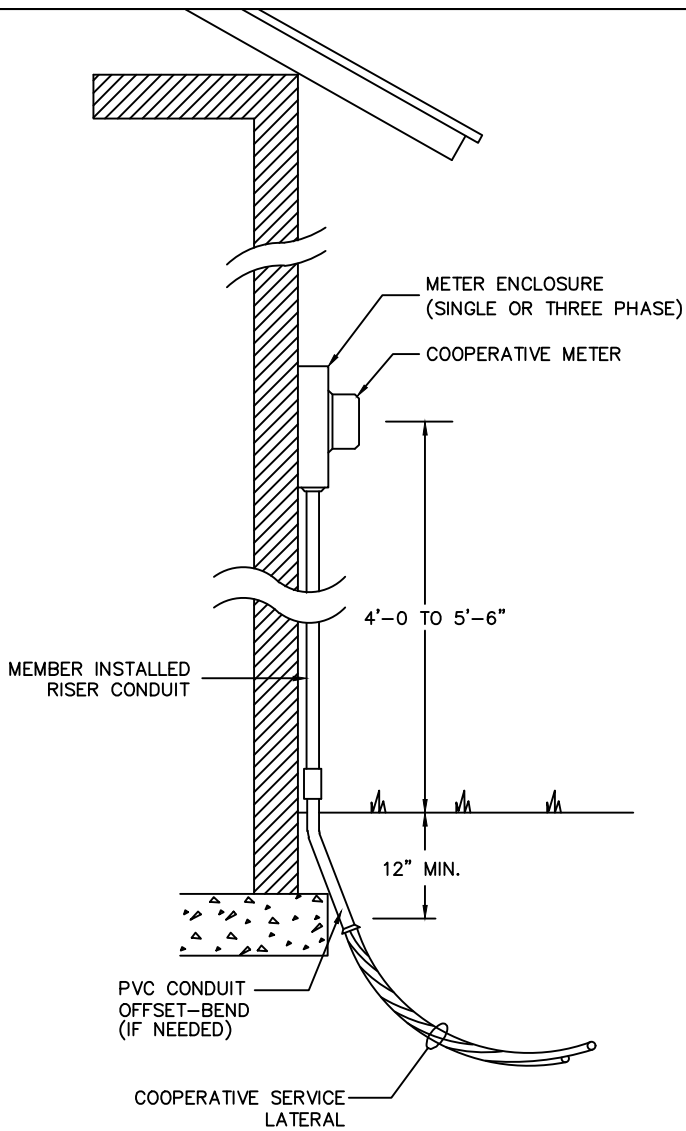
**NOTES:**

1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS ON LOAD SIDE OF SERVICE POINT EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. POLE LENGTH AND ATTACHMENT HEIGHT SHALL BE SUCH THAT ALL CLEARANCES ARE MET PER ES9.0. CONDUCTOR SAG MUST BE ACCOUNTED FOR. COORDINATE WITH COOPERATIVE REPRESENTATIVES.
3. POLE SETTING DEPTH SHALL BE 5' (MINIMUM).
4. COOPERATIVE WILL SET LIFT POLE IF SERVICE POLE IS OVER 150' FROM EXISTING (OR NEW) PRIMARY POLE.
5. SEE ES9.0 FOR SERVICE DROP CLEARANCES.
6. POLE SHALL BE SET SUCH THAT DROP WILL NOT GO OVER STRUCTURE.
7. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.
8. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
PERMANENT OVERHEAD SERVICE POLE (MEMBER INSTALLED)			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES7-0	APPROVED BY: TBP	DATE: 09/07/2023
SHEET NO. 1 OF 1			

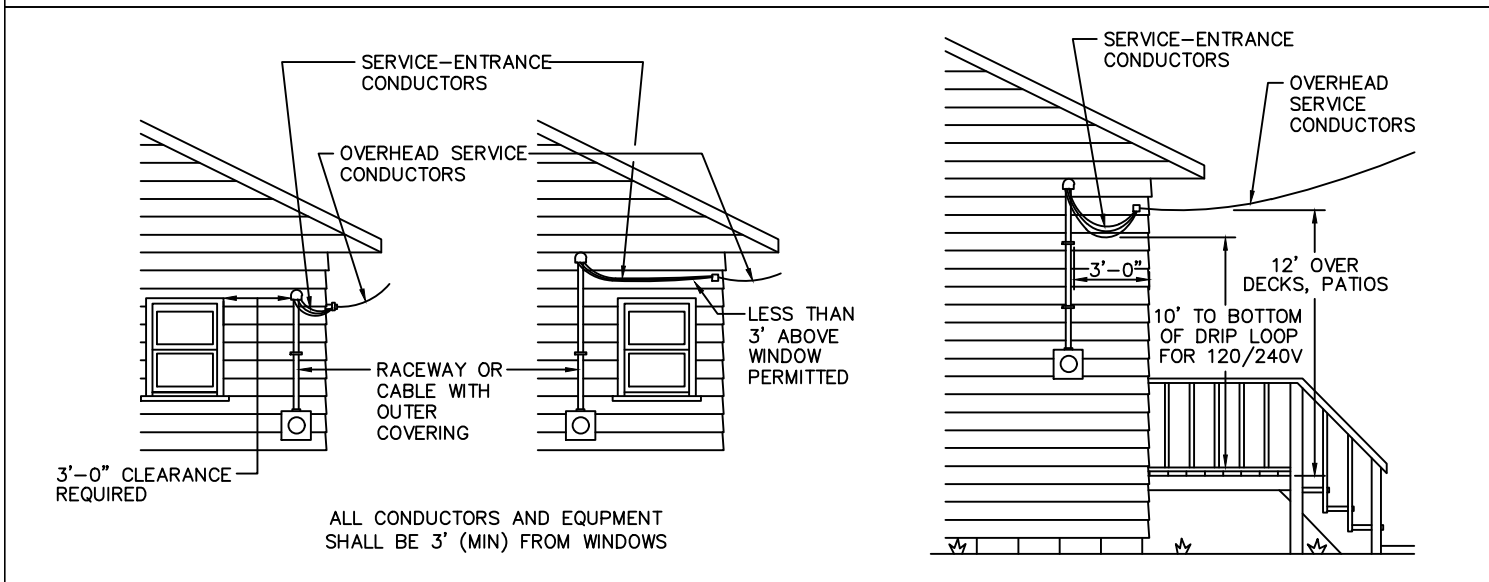
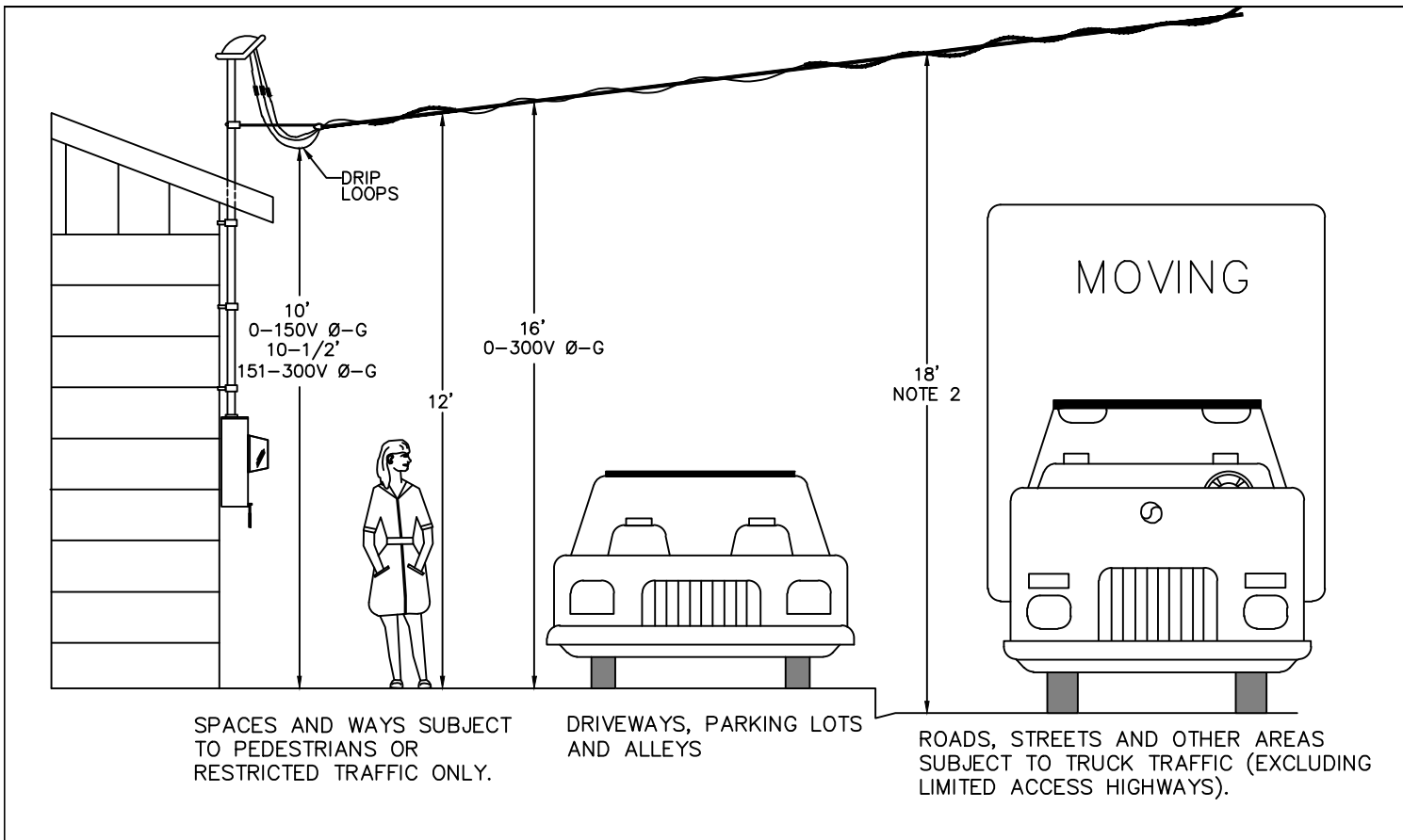


\* MEMBER IS RESPONSIBLE FOR CALLING 811 FOR EXISTING UTILITY LOCATION.

**NOTES:**

1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS EXCEPT METER AND SERVICE LATERAL CONDUCTORS. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. METERS SHALL NOT BE INSTALLED IN CARPORTS OR AREAS PLANNED FOR FUTURE EXPANSION. METERS SHALL BE INSTALLED ON OUTSIDE OF PILING. METERS RENDERED INACCESSIBLE BY FUTURE MODIFICATION SHALL BE MOVED AT OWNERS EXPENSE.
3. SERVICE POINT IS WHERE COOPERATIVE CONDUCTORS CONNECT TO THE LINE SIDE LUGS OF THE MEMBER OWNED METER BASE.
4. DISCONNECTS INSTALLED ON RESIDENTIAL SERVICES TO MEET CODE REQUIREMENTS FOR EMERGENCY DISCONNECTS SHALL BE LOCATED AFTER (DOWNSTREAM FROM) THE COOPERATIVE'S METER.
5. METER ENCLOSURES SHALL NOT BE RECESSED IN ANY WAY THAT BLOCKS ACCESS, KNOCKOUTS OR DRAINAGE AND SHALL NOT BE MOUNTED ON RECESSED WALLS THAT REQUIRE ALTERATIONS TO THE COOPERATIVE'S RISER.
6. WHERE STRUCTURES ARE ON PILINGS FOR FLOOD OR OTHER CONSIDERATIONS, METER SHALL BE PLACED SUCH THAT RISER CONDUIT CAN BE SUPPORTED BY PILING OR SEPARATE SUPPORT SHALL BE PROVIDED BY MEMBER. COOPERATIVE WILL NOT INSTALL SERVICE WHERE SUPPORT IS NOT PROVIDED. SEE ES5.0.
7. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.
8. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.

 <p><b>Tideland EMC</b> A Touchstone Energy Cooperative Real People. Real Power.</p>	<p>155 U.S. HWY. 70 WEST N.C. CORP. C-1063</p> <p><b>Utility Electrical Consultants PC</b></p> <p>GARNER, NORTH CAROLINA PH (919) 821-1410</p>	<p><b>TIDELAND ELECTRIC MEMBERSHIP CORP.</b> PANTEGO, NORTH CAROLINA</p> <p><b>TYPICAL UNDERGROUND SELF-CONTAINED SERVICE</b></p>							
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CHECKED BY: TBP	CAD FILE: ESB-0								
APPROVED BY: TBP	DATE: 09/08/2023	SHEET NO. 1 OF 1							



**NOTES:**

1. THE ABOVE ILLUSTRATIONS GIVE **REQUIRED MINIMUM INSTALLATION HEIGHTS (CONDUCTOR SAG INCLUDED)**. THESE INSTALLATION HEIGHTS ARE APPLICABLE TO SERVICE DROP MULTIPLEX CABLES. IF MEMBER SUPPLIED EQUIPMENT DOES NOT PERMIT CLEARANCES TO BE OBTAINED, METER WILL NOT BE INSTALLED.
2. BASED UPON NCDOT REQUIREMENTS.

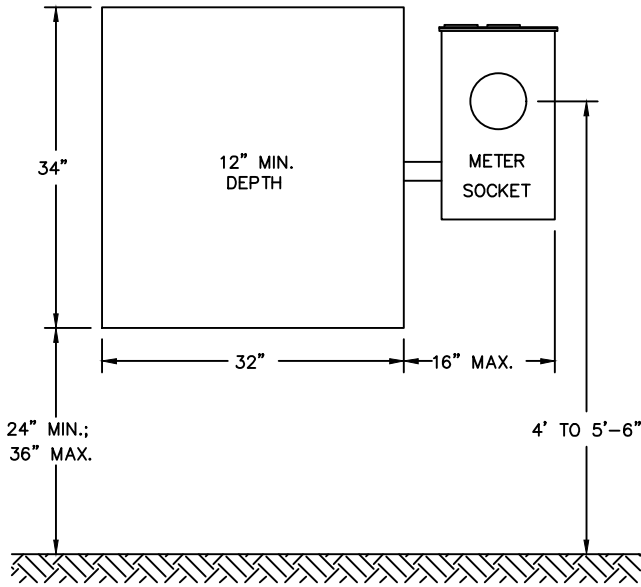


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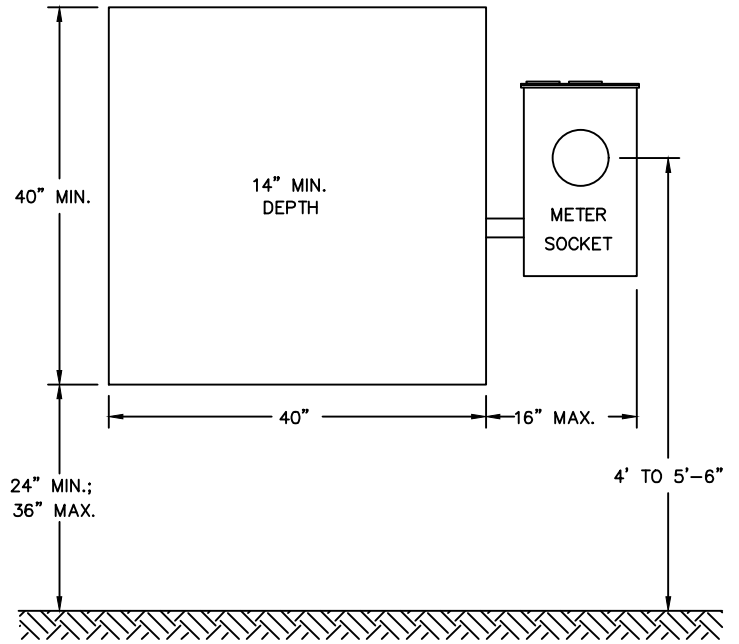
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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
SECONDARY & SERVICE DROP CLEARANCES			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES9-0	APPROVED BY: TBP	DATE: 06/02/2023
SHEET NO. 1 OF 1		ES9.0	

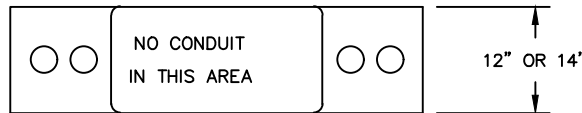


SMALL CT CABINET  
 UTILIZE FOR UP TO 600 AMP SERVICE  
 EQUIPMENT AND WHERE MEMBER  
 CONDUCTORS DO NOT EXCEED 2 PER PHASE.



LARGE CT CABINET  
 UTILIZE FOR UP TO 1200 AMP SERVICE  
 EQUIPMENT AND WHERE MEMBER  
 CONDUCTORS DO NOT EXCEED 4 PER PHASE.

BOTTOM ENTRY CONDUIT CONFIGURATION (SEE NOTE 8)



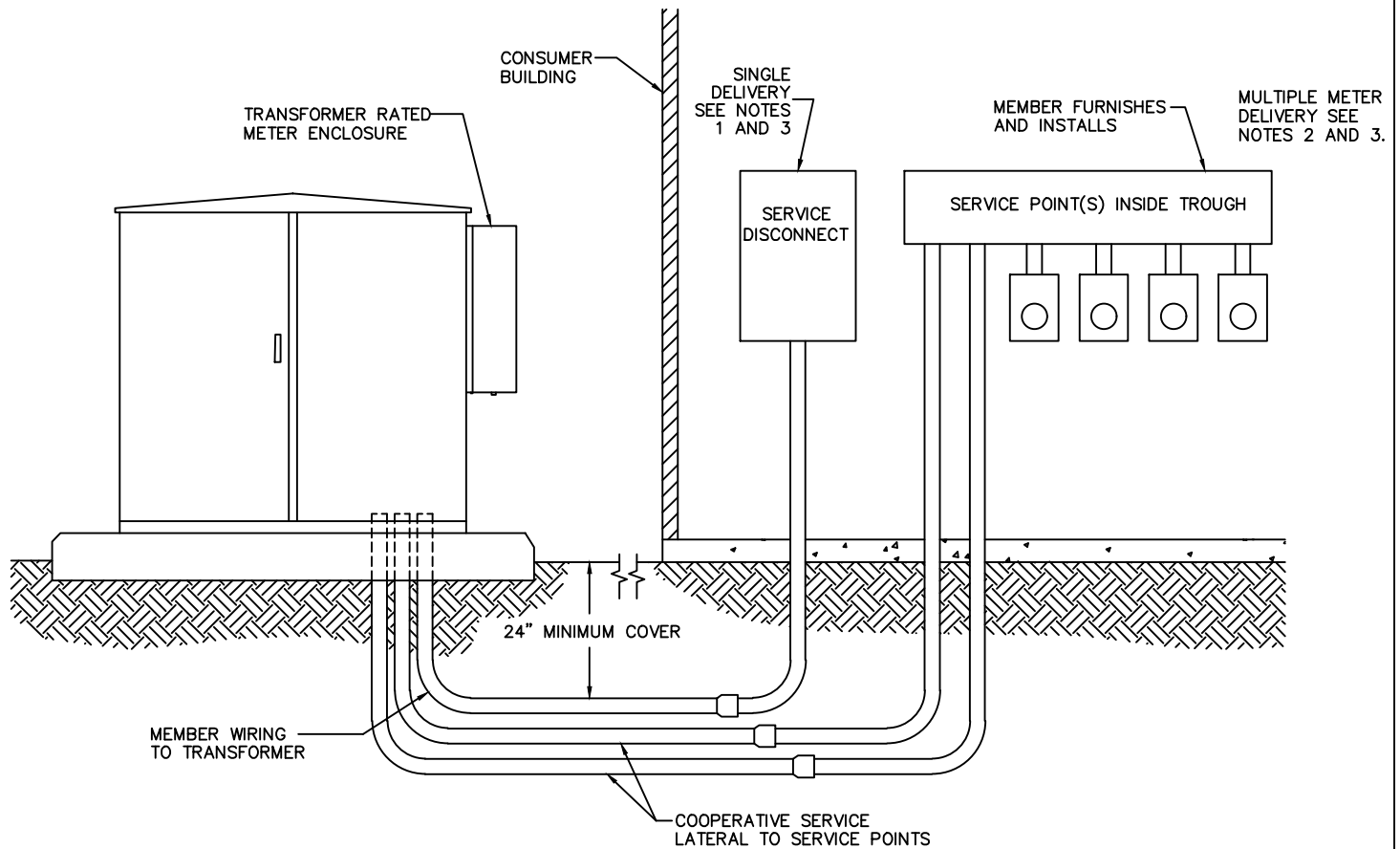
NOTES:

- MEMBER SHALL BE RESPONSIBLE FOR INSTALLING HOLES FOR COOPERATIVE CONDUITS. COORDINATE SIZE WITH COOPERATIVE REPRESENTATIVE.
- REAR ENTRY IS ALLOWED IN BOTTOM 6" OF LARGE CABINET ONLY.
- SIDE ENTRY ALLOWED IN BOTTOM 1/3 OF EITHER CABINET. ALL MEMBER CONDUITS SHALL COME IN ONE SIDE ONLY.
- ONLY ONE METER/SERVICE SHALL BE SUPPLIED THROUGH CABINET.
- CT CABINETS FOR LARGER SERVICES SHALL BE COORDINATED WITH COOPERATIVE REPRESENTATIVE.
- NO CUSTOMER OWNED EQUIPMENT IS ALLOWED IN CT CABINET (OTHER THAN CONDUCTORS).
- COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.
- HOLES IN BOTTOM OF CABINET (MEMBER AND COOPERATIVE) SHALL BE LOCATED TOWARD EACH END (NOT IN CENTER) OF CABINET WITH MEMBER ENTRY AT THE OPPOSITE END OF COOPERATIVE ENTRY.
- A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
CT CABINET REQUIREMENTS			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE: N.T.S.	
CHECKED BY: TBP	CAD FILE: ES10-0	APPROVED BY: TBP	
DATE: 09/08/2023		SHEET NO. 1 OF 1	



\*MEMBER IS RESPONSIBLE FOR CALLING 811 FOR EXISTING UTILITY LOCATION.

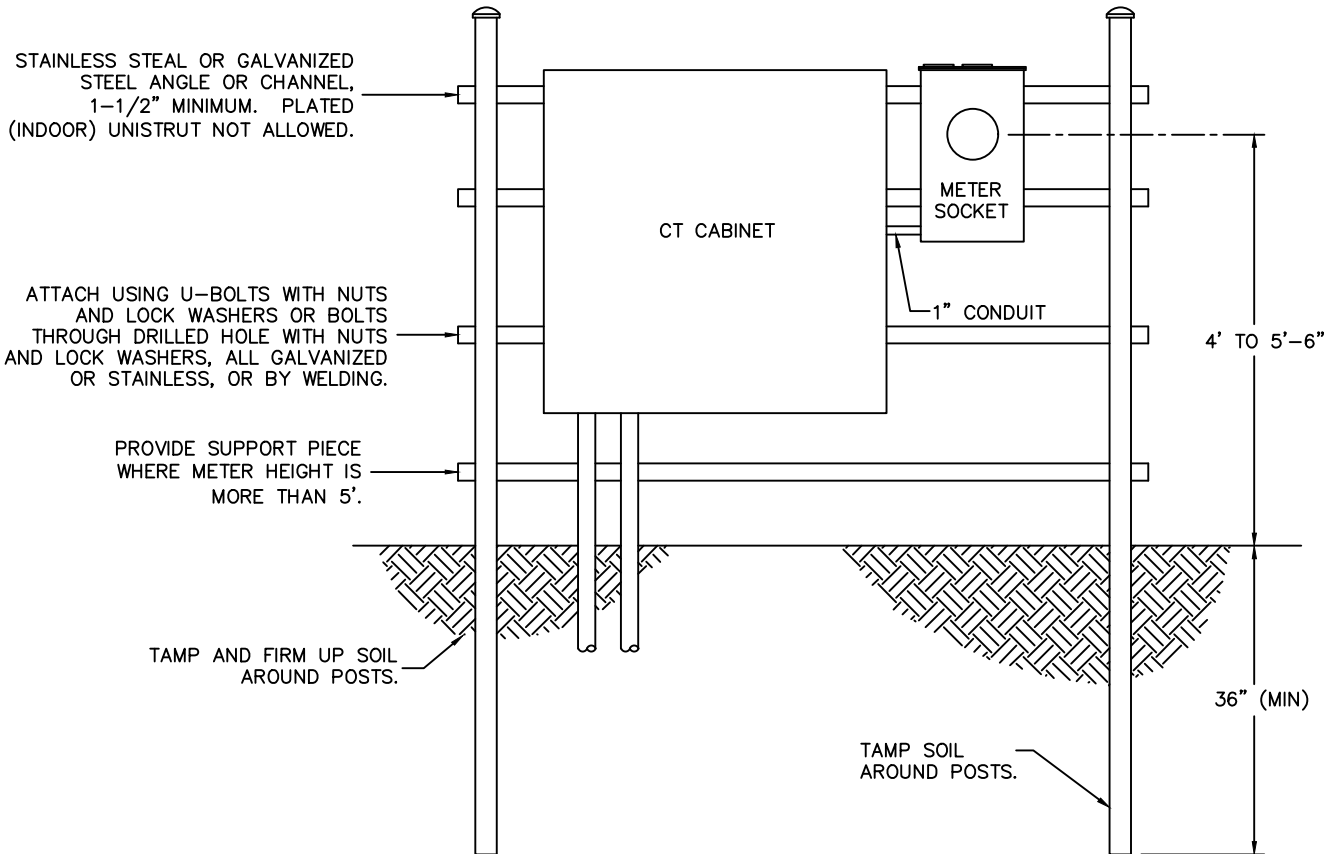
**NOTES:**

1. **SINGLE DELIVERY:**  
 METER ON TRANSFORMER: IF ONLY ONE DELIVERY WILL BE SERVED FROM A PAD-MOUNTED TRANSFORMER AND THE LOAD REQUIRES TRANSFORMER RATED METERING, THE METERING EQUIPMENT WILL BE LOCATED AT THE PAD-MOUNTED TRANSFORMER WITH THE MEMBER'S WIRES BROUGHT TO THE SECONDARY TERMINALS OF THE TRANSFORMER. SERVICE POINT IS AT THE TRANSFORMER SECONDARY TERMINALS. UNLESS ALLOWED BY COOPERATIVE FOR SPECIAL CIRCUMSTANCES, THIS METHOD WILL BE USED IN LIEU OF ALLOWING CT CABINETS ON BUILDING.
2. **MULTIPLE METERS:**  
 METERS ON OUTSIDE WALL: COOPERATIVE OWNS AND INSTALLS UNDERGROUND SERVICE LATERAL. SERVICE POINT IS WHERE MEMBER'S CONDUCTORS CONNECT TO MEMBER'S CONDUCTORS IN MEMBER PROVIDED TROUGH OR OTHER DESIGNATED POINT.
3. COMBINATIONS OF 1 AND 2 ABOVE MAY BE APPLICABLE. CONSULT COOPERATIVE REPRESENTATIVE.
4. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
TYPICAL UNDERGROUND THREE-PHASE SERVICE ARRANGEMENTS NON-RESIDENTIAL			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES11-0	APPROVED BY: TBP	DATE: 06/02/2023
SHEET NO.			1 OF 1

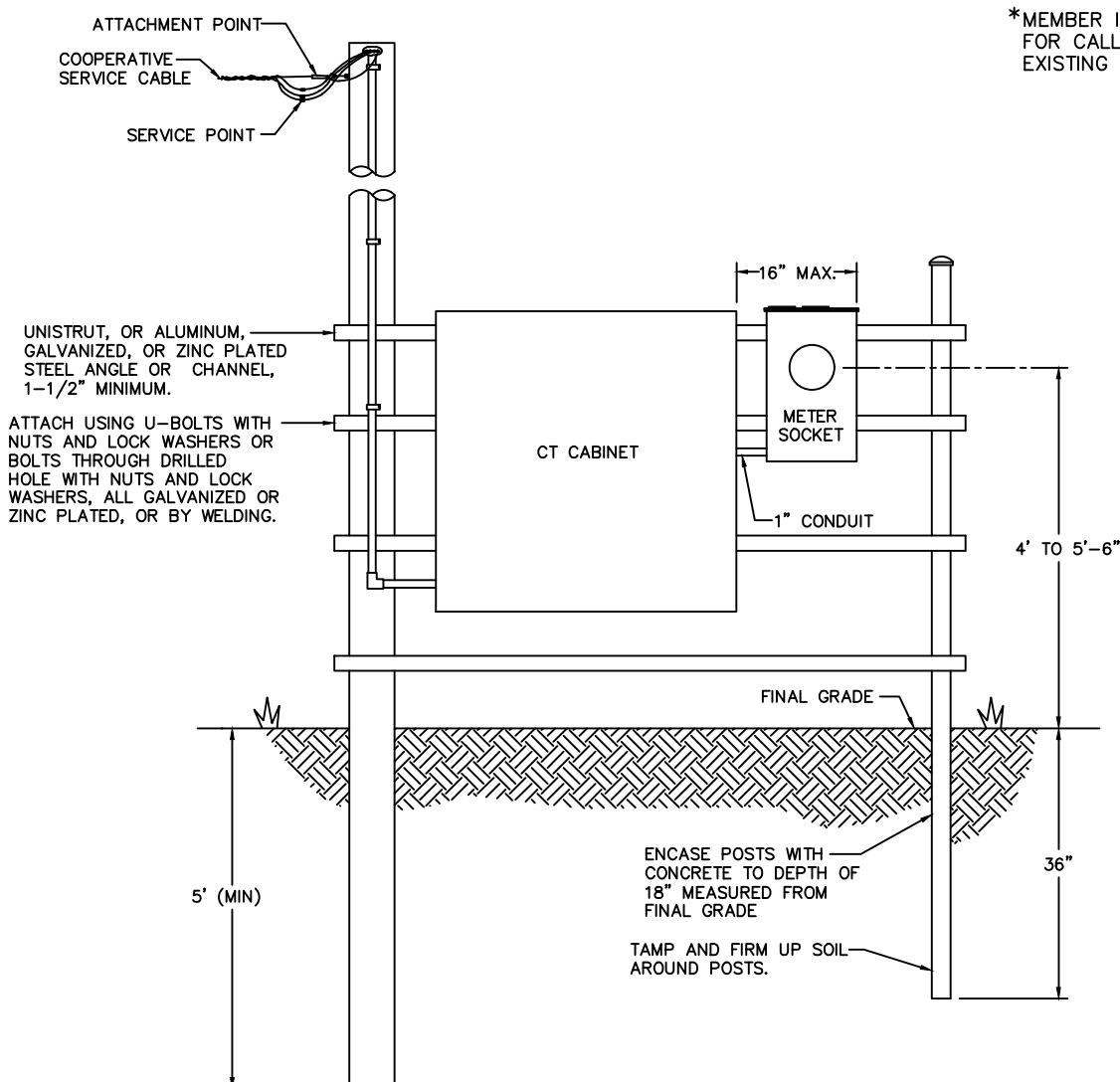


\*MEMBER IS RESPONSIBLE FOR CALLING 811 FOR EXISTING UTILITY LOCATION.

**NOTES:**

1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. MEMBER TO FURNISH AND INSTALL H-FRAME POSTS OF 3" (MIN) GALVANIZED OR ALUMINUM PIPE WITH END CAPS. OTHER POST CONFIGURATIONS MAY BE APPROVED BY COOPERATIVE.
3. WOOD EQUIVALENT H-FRAME IS ACCEPTABLE WITH TWO 4" X 4" (MIN.) TREATED POSTS AND 2X OR 5/4 TREATED BOARDS FOR BACKING. PLYWOOD OF ANY KIND IS NOT ACCEPTABLE.
4. COOPERATIVE WILL PROVIDE AND INSTALL THE UNDERGROUND SERVICE LATERAL ACCORDING TO COOPERATIVE'S STANDARD PRACTICES.
5. BOTTOM OF TRENCH SHALL BE FIRMLY TAMPED NEAR POST. CABLE SHALL BE POSITIONED FIRMLY AGAINST TAMPED EARTH DURING BACKFILLING. BEFORE CABLE TERMINATED, PUSH CABLE DOWN IN CONDUIT TO PROVIDE AS MUCH SLACK AS POSSIBLE TO PREVENT SETTLING OF EARTH FROM PULLING ON CABLE AND DAMAGING METER BASE TERMINALS.
6. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.
7. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.

 <p><b>Tideland EMC</b> A Touchstone Energy Cooperative Real People. Real Power.</p>	<p>155 U.S. HWY. 70 WEST N.C. CORP. C-1063</p> <p><b>Utility Electrical Consultants PC</b></p> <p>GARNER, NORTH CAROLINA PH (919) 821-1410</p>	<p><b>TIDELAND ELECTRIC MEMBERSHIP CORP.</b> PANEGO, NORTH CAROLINA</p> <p><b>CT CABINET INSTALLATION UNDERGROUND SERVICE NOT ATTACHED TO A PERMANENT STRUCTURE</b></p>							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">DRAWN BY: ABB</td> <td style="font-size: small;">JOB NO.: 22-2181</td> <td style="font-size: small;">SCALE: N.T.S.</td> </tr> <tr> <td style="font-size: small;">CHECKED BY: TBP</td> <td style="font-size: small;">CAD FILE: ES12-0</td> <td style="font-size: small;">APPROVED BY: TBP</td> </tr> <tr> <td style="font-size: small;">DATE: 06/02/2023</td> <td colspan="2" style="font-size: small;">SHEET NO. 1 OF 1</td> </tr> </table>	DRAWN BY: ABB	JOB NO.: 22-2181	SCALE: N.T.S.	CHECKED BY: TBP	CAD FILE: ES12-0	APPROVED BY: TBP	DATE: 06/02/2023	SHEET NO. 1 OF 1
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE: N.T.S.							
CHECKED BY: TBP	CAD FILE: ES12-0	APPROVED BY: TBP							
DATE: 06/02/2023	SHEET NO. 1 OF 1								



\*MEMBER IS RESPONSIBLE FOR CALLING 811 FOR EXISTING UTILITY LOCATION.

**NOTES:**

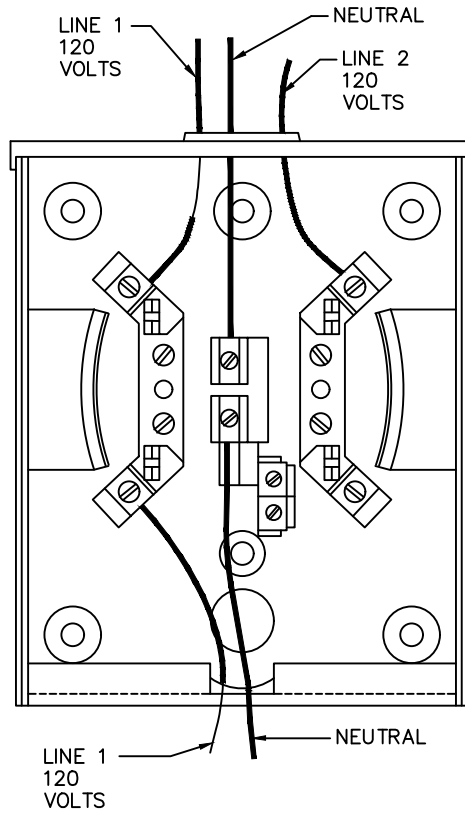
1. MEMBER SHALL FURNISH AND INSTALL ALL ITEMS EXCEPT METER. INSTALLATION SHALL BE BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL MEET THE NORTH CAROLINA ELECTRICAL CODE AND LOCAL ORDINANCES.
2. MEMBER TO FURNISH AND INSTALL H-FRAME POSTS OF 3" (MIN) GALVANIZED OR ALUMINUM PIPE WITH END CAPS. OTHER POST CONFIGURATIONS MAY BE APPROVED BY COOPERATIVE.
3. WOOD EQUIVALENT H-FRAME IS ACCEPTABLE WITH TWO 4" X 4" (MIN.) TREATED POSTS AND 2X OR 5/4 TREATED BOARDS FOR BACKING. PLYWOOD OF ANY KIND IS NOT ACCEPTABLE.
4. COOPERATIVE WILL PROVIDE AND INSTALL THE UNDERGROUND SERVICE LATERAL ACCORDING TO COOPERATIVE'S STANDARD PRACTICES.
5. BOTTOM OF TRENCH SHALL BE FIRMLY TAMPED NEAR POST. CABLE SHALL BE POSITIONED FIRMLY AGAINST TAMPED EARTH DURING BACKFILLING. BEFORE CABLE TERMINATED, PUSH CABLE DOWN IN CONDUIT TO PROVIDE AS MUCH SLACK AS POSSIBLE TO PREVENT SETTLING OF EARTH FROM PULLING ON CABLE AND DAMAGING METER BASE TERMINALS.
6. CURRENT TRANSFORMERS MOUNTED ON COOPERATIVE'S POLE ARE NO LONGER UTILIZED FOR NEW INSTALLATIONS.
7. COOPERATIVE RESERVES THE RIGHT TO DENY METER CONNECTION TO ANY INSTALLATION THAT IT DEEMS UNSAFE OR INAPPROPRIATE.
8. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
CT CABINET INSTALLATION OVERHEAD SERVICE NOT ATTACHED TO A PERMANENT STRUCTURE			
DRAWN BY:	ABB	JOB NO.:	22-2181
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3 WIRE 120/240 VOLT SOURCE



REQUIRES FORM 2S METER  
 STANDARD 240-VOLT  
 "HOUSE-TYPE" METER

NOTES:

- .1. FOR NEW INSTALLATIONS, COOPERATIVE WILL SUPPLY 120/240V SOURCE AND FORM 2S METER. FORM 1S METERS WILL NOT BE SUPPLIED.



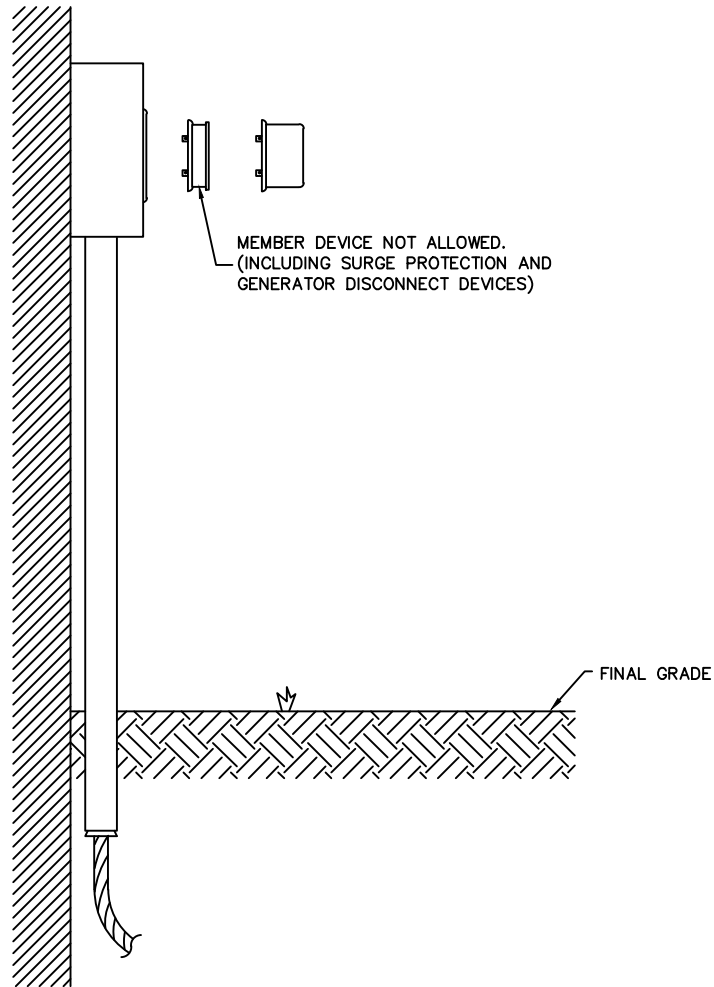
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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
METERING, SINGLE-PHASE, 120 VOLTS, 2 WIRE			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES14-0	APPROVED BY: TBP	DATE: 09/11/2023
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NOTES:

1. NO MEMBER OWNED DEVICES OF ANY KIND ARE ALLOWED BETWEEN THE COOPERATIVE'S METER AND THE METER SOCKET.



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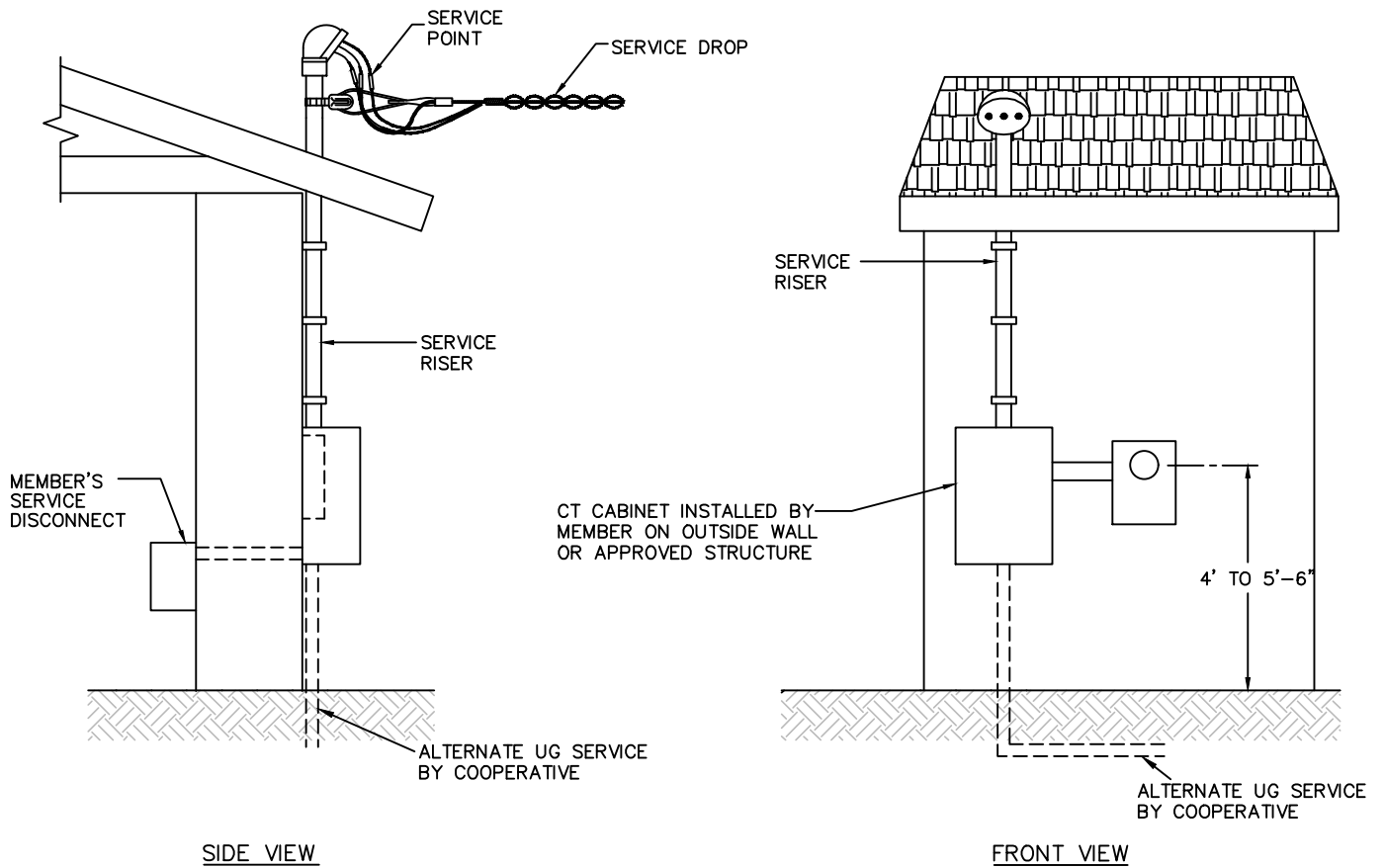
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TIDELAND ELECTRIC MEMBERSHIP CORP.  
PANTEGO, NORTH CAROLINA

DEVICES INSTALLED BETWEEN THE  
METER AND THE METER SOCKET

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APPROVED BY: TBP	DATE: 06/02/2023	SHEET NO. 1 OF 1



**NOTES:**

1. ALL OTHER COOPERATIVE ELECTRIC SERVICE (ES) REQUIREMENTS APPLY.
2. CURRENT TRANSFORMERS MOUNTED ON COOPERATIVE'S POLE ARE NO LONGER UTILIZED.
3. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.

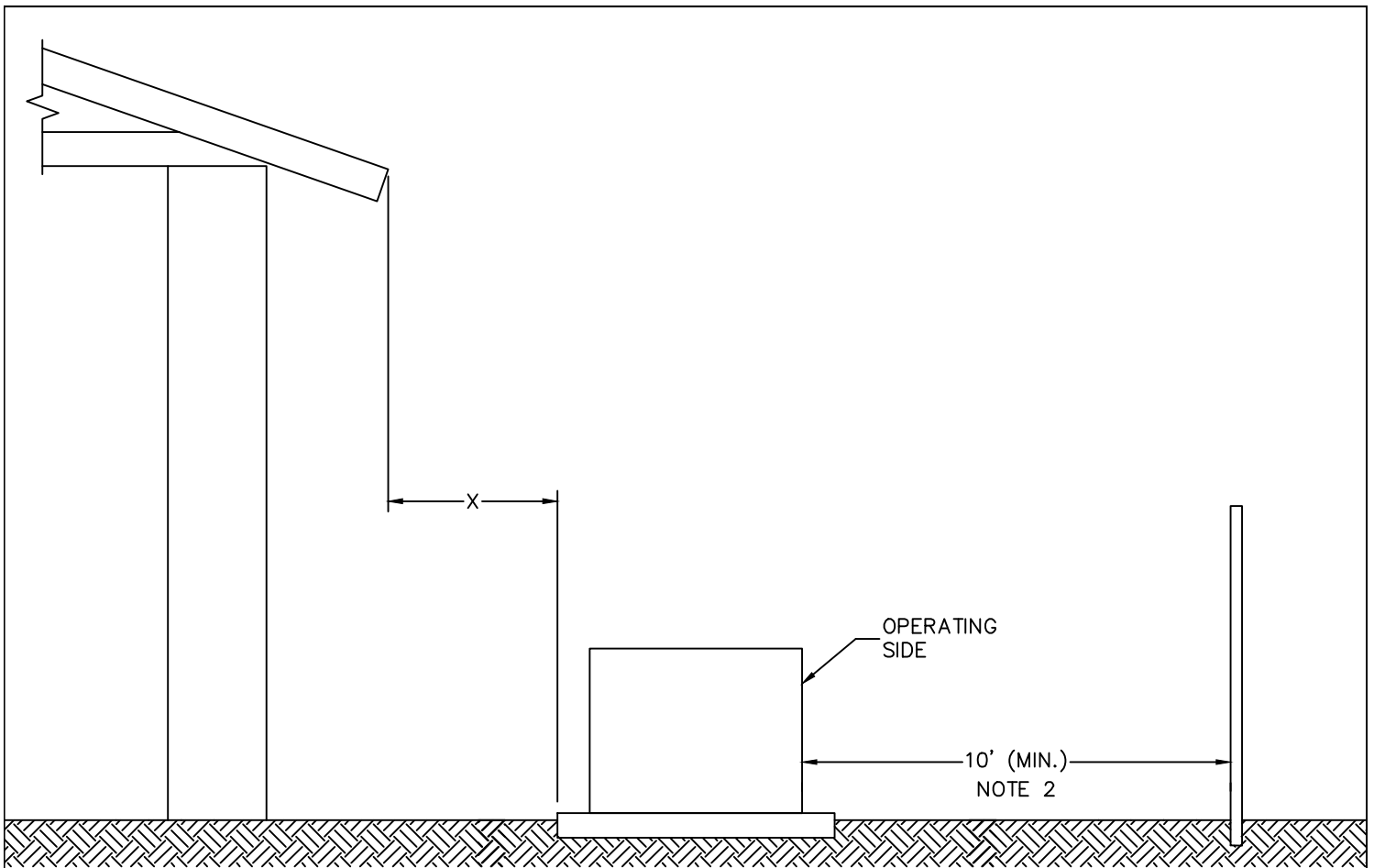


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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
TYPICAL CURRENT TRANSFORMER CABINET AND METER ENCLOSURE INSTALLATION ON STRUCTURE			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES16-0	APPROVED BY: TBP	DATE: 06/02/2023
SHEET NO. 1 OF 1		ES16.0	



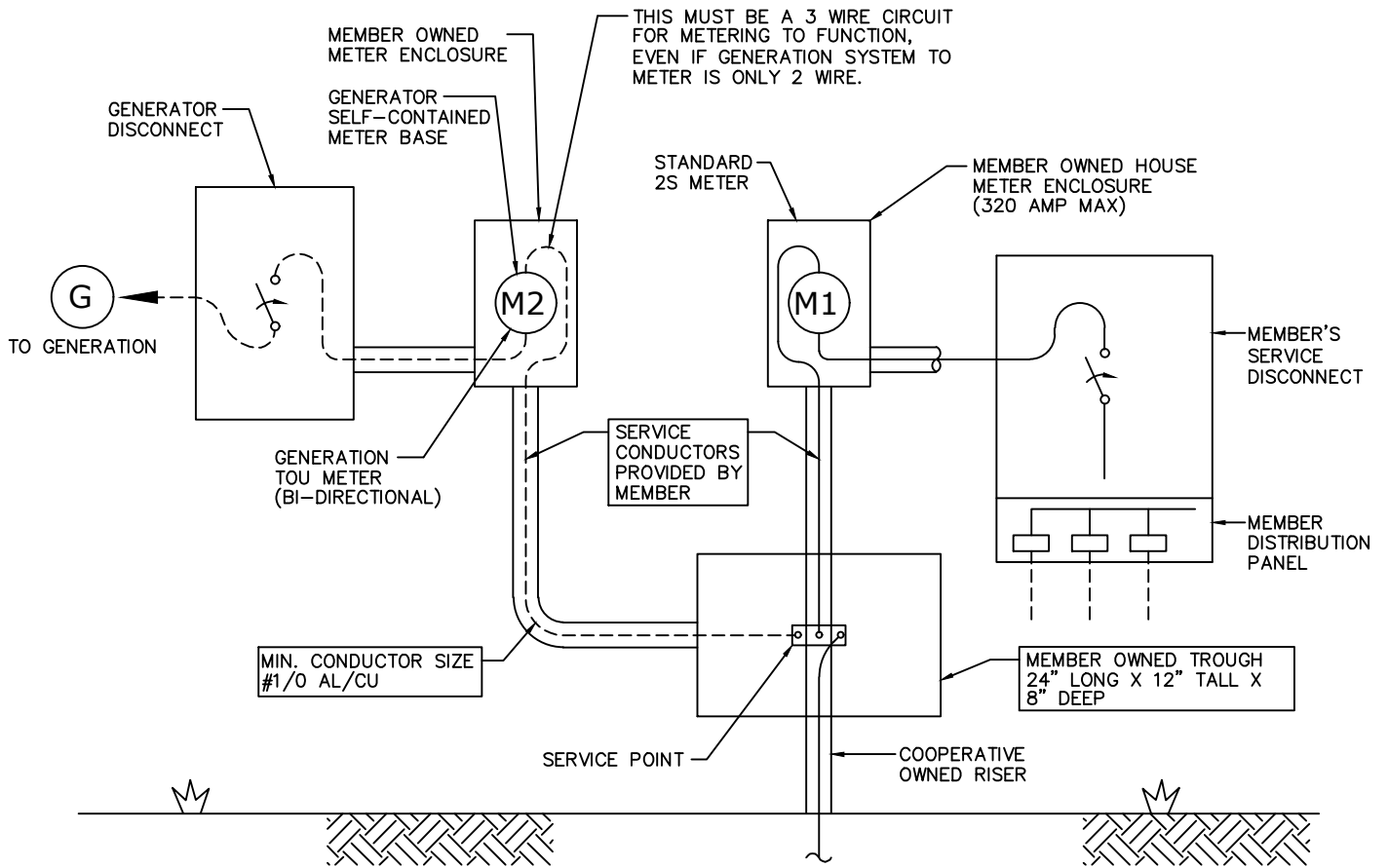
**NOTES:**

1. DISTANCE "X" FROM ANY PART OF BUILDING (INCLUDING OVERHANG) TO ANY PART OF TRANSFORMER (INCLUDING RADIATORS OR PAD) SHALL BE:
  - 3' (MIN.) FOR NON-COMBUSTIBLE BUILDING MATERIALS
  - 10' (MIN.) FROM COMBUSTIBLE BUILDING MATERIALS OR WINDOWS
  - 20' (MIN.) FROM DOORS
2. OPERATING SIDE (DOORS OR LID) OF TRANSFORMER MUST HAVE 10' OF CLEAR SPACE TO ANY OBSTRUCTION.
3. ADEQUATE ACCESS (UP TO AND INCLUDING A MAINTAINED GRAVEL ACCESS ROAD) TO ACCOMMODATE CRANES, LINE TRUCKS, OR OTHER NECESSARY LIFTING AND HAULING EQUIPMENT SHALL BE PROVIDED TO ALLOW FOR MAINTENANCE, OPERATION, OR REPLACEMENT.
4. CLEARANCES LISTED ARE COOPERATIVE MINIMUM REQUIREMENTS. THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) MAY HAVE REQUIREMENTS THAT ARE MORE STRINGENT. IT SHALL BE THE MEMBER'S RESPONSIBILITY TO CONFORM TO ALL LOCAL BUILDING CODES, INSURANCE REGULATIONS, OR ORDINANCES AFFECTING THE TRANSFORMER LOCATION.
5. ANY FENCING OR SCREENING (INCLUDING SHRUBBERY OR OTHER PLANTINGS) PLACED AROUND PAD-MOUNTED SURFACE EQUIPMENT MUST ADHERE TO THE "COMBUSTIBLE" CLEARANCES STATED.
6. IF METER IS MOUNTED ON TRANSFORMER, A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
<b>PAD-MOUNTED TRANSFORMER CLEARANCE AND ACCESS REQUIREMENTS</b>			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
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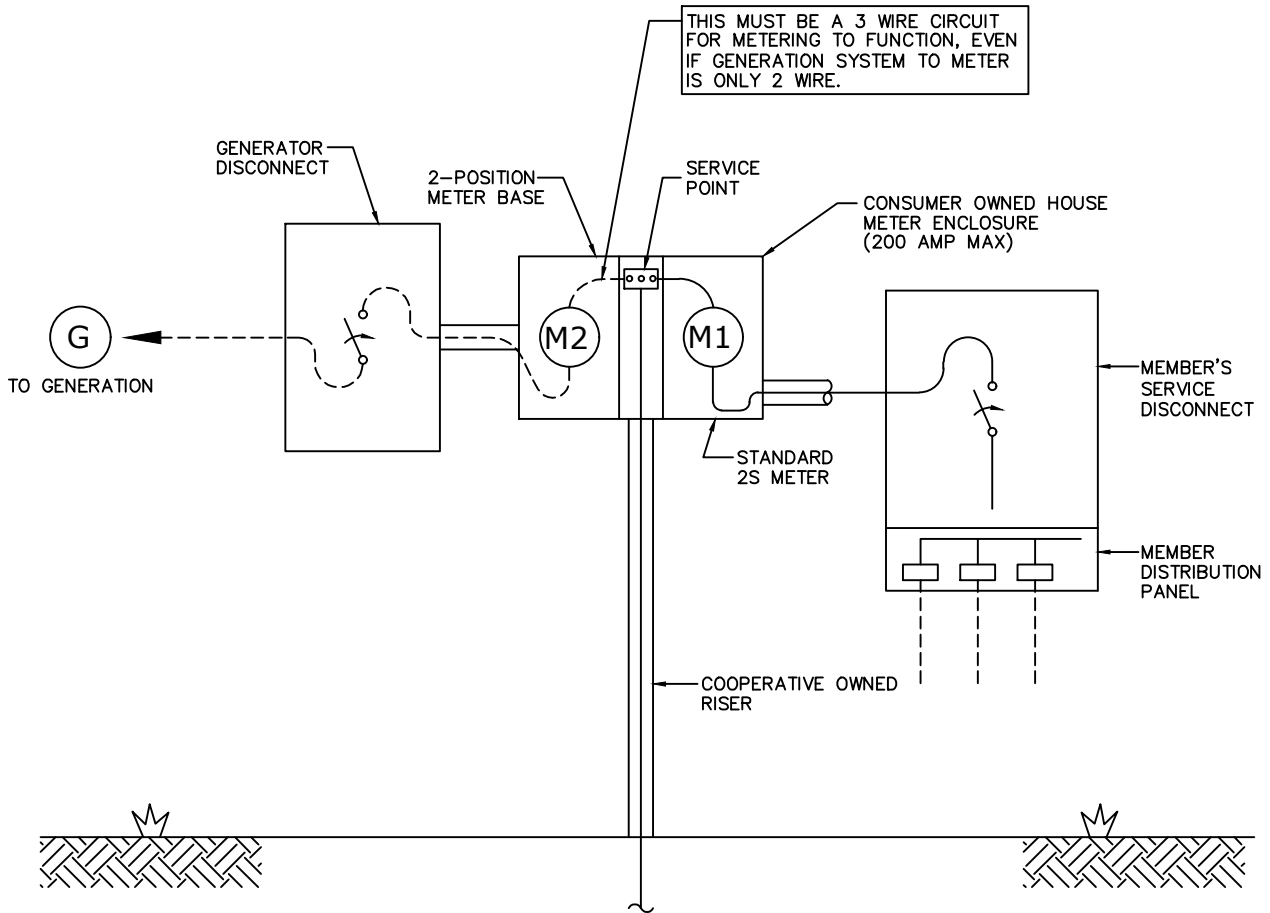
**NOTES:**

1. USE THIS WIRING METHOD FOR A SMALL POWER PRODUCER (USUALLY A PHOTOVOLTAIC SYSTEM) WHO SELLS ENTIRE OUTPUT OF GENERATION TO COOPERATIVE.
2. ALL SMALL POWER PRODUCER INSTALLATIONS SHALL HAVE WARNING LABELS PLACED AT METER AND AT GENERATOR DISCONNECT.
3. MEMBERS ELECTRICAL CONTRACTOR MUST MAKE ARRANGEMENTS WITH COOPERATIVE TO DISCONNECT POWER ON EXISTING SERVICE, REMOVE COOPERATIVE-OWNED RISER, INSTALL TROUGH AND RECONNECT SERVICE IN TROUGH.
4. COOPERATIVE WILL CONNECT CONDUCTORS IN TROUGH USING CONNECTOR BLOCKS.
5. MEMBER OWNED GENERATOR DISCONNECT MUST BE WITHIN SIGHT OF SERVICE POINT AND METER BASES.
6. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
SELL ALL GENERATION - SINGLE-PHASE SELF-CONTAINED PREFERRED CONFIGURATION SERVICE ADDING GENERATION METER, SELF-CONTAINED			
DRAWN BY: ABB	JOB NO.: 22-2181	SCALE:	N.T.S.
CHECKED BY: TBP	CAD FILE: ES18-1	APPROVED BY: TBP	DATE: 06/02/2023
SHEET NO. 1 OF 1			



**NOTES:**

1. USE THIS WIRING METHOD FOR A SMALL POWER PRODUCER (USUALLY A PHOTOVOLTAIC SYSTEM) WHO SELLS ENTIRE OUTPUT OF GENERATION TO COOPERATIVE.
2. ALL SMALL POWER PRODUCER INSTALLATIONS SHALL HAVE WARNING LABELS PLACED AT METER AND AT GENERATOR DISCONNECT.
3. MEMBER OWNED DISCONNECT MUST BE WITHIN SIGHT OF SERVICE POINT AND METER BASES.
4. EXCEPTIONS TO THESE REQUIREMENTS MUST HAVE PRIOR WRITTEN CONSENT FROM THE COOPERATIVE.
5. A WORKING SPACE (NO OBSTRUCTIONS) OF W=30" (MINIMUM OR WIDTH OF INSTALLATION), D=36", H=6.5' MUST BE PROVIDED AND MAINTAINED IN FRONT OF METER.



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TIDELAND ELECTRIC MEMBERSHIP CORP. PANTEGO, NORTH CAROLINA			
SELL ALL GENERATION - SINGLE-PHASE SELF-CONTAINED ALTERNATE CONFIGURATION SERVICE ADDING GENERATION METER, SELF CONTAINED			
DRAWN BY:	ABB	JOB NO.:	22-2181
CHECKED BY:	TBP	CAD FILE:	ES18-2
APPROVED BY:	TBP	DATE:	06/02/2023
SCALE:	N.T.S.	SHEET NO.	1 OF 1