



Your Touchstone Energy® Cooperative 

# New Service Requiring Construction

What you should know about having  
service connected to your new home

visit us at  
[www.flintenergies.com](http://www.flintenergies.com)



**Know what's below.  
Call before you dig.**

# New Service Requiring Construction

Flint Energies strives to provide excellent service in each phase of our business. When you receive electric service you become a Flint member, an owner of the Cooperative. We want your experience with us to be timely and hassle-free. You can help by being aware of and completing the following:

## Methods to Apply for Service

- By phone with a Member Solutions Representative
- Use automated voice response on our phone system
- Internet by visiting [www.flintenergies.com](http://www.flintenergies.com)
- Visit a Flint office location: Warner Robins, Reynolds or Upatoi

## Fees & Deposits:

- A small membership fee and set-up fee is required
- Based on credit check, a deposit may be required
- If temporary service is required for construction, a temporary service fee is applicable

## Service Rules & Regulations

Your new service, and any associated fees and deposits, are governed by Flint Energies' "**Service Rules and Regulations**". For a complete copy of Flint's "**Service Rules and Regulations**", please visit <https://www.flintenergies.com/member-documents>.

## Service Location

For urban areas, Flint needs the lot and block numbers in addition to the street address. For members living in the rural areas, it is a great help to provide the nearest pole tag number closest to the location of your new service. Each pole should have a silver six-digit tag installed at eye level. This number is unique to the pole you have located and can help guide a Field Technician to your new service location.

## Overhead or Underground Service?

If your service is underground, construction charges may be applicable and can vary based on the type and amount of construction involved.

## What is the size of your new home?

In order to properly size your new service, the Field Technician will need to know certain details about your new residence including:

- Total size of the house (square footage)
- Heated & cooled area (square footage)
- Number, type and size of HVAC units
- Will major appliances be gas or electric?
- Ampacity of the service entrance equipment and number of service panels and disconnects

- Plans for any additional outlying building such as shops or garages.
- Details of any unique equipment that you will install such as EV chargers or tankless water-heaters that are not covered above.

## Outdoor lighting?

Flint Energies offers outdoor lighting at very affordable rates. Ask about options with your new service.

## Meeting with a Field Technician

Members may need to meet with a Flint Energies Field Technician to discuss your new service. An appointment may be made with Flint to discuss where the new service will be placed, trees that may need to be cut or trimmed, right of way easements and any construction charges that may be applicable. The Field Technician will also discuss the location of your temporary service, if required, and possible locations and cost for any outdoor lighting you may desire.

If your home is located in a residential subdivision, check with the developer to see if the underground service fee has been “pre-paid”. Homes located in subdivisions are required to have the service entrance equipment (meter socket) located on a specific side of the house.

## Inspections

**Please contact your local city or county building inspector for their requirements regarding your home’s electric system. An electric inspector must inspect and provide a “clearance” to Flint before we can provide power to your new home.** A list with your local inspector’s phone number is shown below.

Bibb County	(478) 403-0466	Peach County	(478) 825-5118
City of Byron	(478) 956-4483	City of Perry	(478) 988-2720
City of Centerville	(478) 953-7871	Schley County	(229) 937-2609
Crawford County	(478) 836-3199	Sumter County	(229) 928-4547
Harris County	(706) 628-4700	Talbot County	(706) 665-8334
Houston County	(478) 542-2018	Taylor County	(478) 862-3809
City of Geneva	(706) 269-3113	Twiggs County	(478) 945-3629
Macon County	(478) 472-7023	Upson County	(706) 647-1297
Marion County	(229) 649-5670	City of Warner Robins	(478) 302-5509
Muscogee County	(706) 653-4126		

## Temporary Service for Construction

Some counties and cities require inspection of temporary service installations. If you are building in a residential subdivision, Flint has placed a service stub-up at the corner of your lot. You will have to install your temporary service at this location. Minimum ground clearances listed on page 5 must be maintained. **Flint recommends the use of a 25 ft., class 6 round wooden pole to accomplish the required ground clearances.**

## Installation of Your Permanent Service

Contact Flint Energies for the correct location for your home’s permanent meter base. Normally, for service drops only, it takes one to two weeks for Flint Energies to install a service to a home. If a primary high voltage line must be built, it typically takes two to three weeks under normal

circumstances. Should Flint be required to cut trees and obtain property easements from other land owners, service is provided as soon as possible. Plan enough time in your construction project to allow Flint to extend service to your new residence. Please keep your electrician informed of the progress with the installation of your service. It is Flint's goal to meet your needs in a timely manner.

## Grounding

An important aspect of your home's electrical system is grounding. The grounding requirements for your electrical installation are addressed in **Article 250** of the "**2020 National Electric Code**". However, Flint Energies' requirements may be more stringent than that of the "2020 National Electric Code" due to system conditions.

Article 250 requires a minimum ground resistance of 25 ohms or two ground rods must be installed at the service instead of one. Due to soil conditions in Flint's service area, ground resistance readings seldom reach 25 ohms with one ground rod. For this reason, Flint Energies requires the minimum installation of two (2) ground rods installed a minimum of six feet apart. The recommended ground system is to install three ground rods spaced 16 feet apart in a triangle arrangement.

Where a concrete slab with reinforcing rod is used as the foundation, the concrete encased re-bar may be used as a part of the grounding system provided the requirements of the "2020 National Electric Code" are met. If the concrete encased re-bar is used as a part of the grounding system, Flint will permit the use of a single driven ground rod.

### Important Grounding Requirement

**Flint Energies considers the driven ground rod to be the primary grounding electrode. As such, the grounding electrode conductor (GEC) shall originate at the meter socket and extend in a continuous manner to the grounding electrode (ground rod). Flint Energies requires the grounding electrode conductor to be no smaller than #4 AWG Copper. Refer to NEC 2020 Article 250.66 for more information.**

## Check Your Main Disconnect & Breaker Box

When Flint Energies set the electric meter on your home, your main disconnect or breaker is turned to the "Off" position. Change this to the "On" position when you are ready for service. Before moving to the "On" position, be sure to check that your installed electrical appliances are turned "Off" and will not start unexpectedly.

## To Contact Flint Energies

- Bibb, Houston and Peach Counties (478) 988-3500
- Crawford and Taylor Counties (478) 847-3416
- Muscogee County (706) 568-0333
- All other counties (800) 342-3616
- **For Power Outages (888) 354-6836**

## General Notes for Locating Meter Sockets:

1. Single position and duplex meter bases shall be located so the center of the meter is no higher than 5' 6" and no lower than 3' 6" above final grade.
2. Multi-position meter centers shall be located so the upper most meter is no higher than 5' 6" above finished grade and the lowest meter is no lower than 3' 6" above final grade. **If your installation does not meet these requirements, please contact Flint Energies Engineering Department or your assigned Staking Technician before installing.**
3. For the safety of EMC personnel, unobstructed working space shall be provided. The working space shall extend a minimum distance of 3 feet in front of and 18 inches on either side of the metering equipment and at a height of 7 feet above final grade.

## Overhead Service Clearances:

1. In addition to clearance requirements set forth in the attached drawings, vertical clearances must be maintained as outlined below.
  - a. 10 ft. – Vertical clearance at drip loop.
  - b. 12 ft. – Vertical clearance over residential yards where no truck traffic is expected.
  - c. 16 ft. – Vertical clearance over residential driveways.
  - d. 18 ft. – Vertical clearance over agricultural areas, roads, parking lots and commercial driveways.

## Point of Attachment for Overhead Services:

Where an overhead service is attached to a structure, the member or its electrician shall install an eye bolt that will be used to attach service to building. Eye bolt shall be secured to structural framing. Flint will not permit use of "house knobs" in siding or fascia boards.

## Emergency Disconnects:

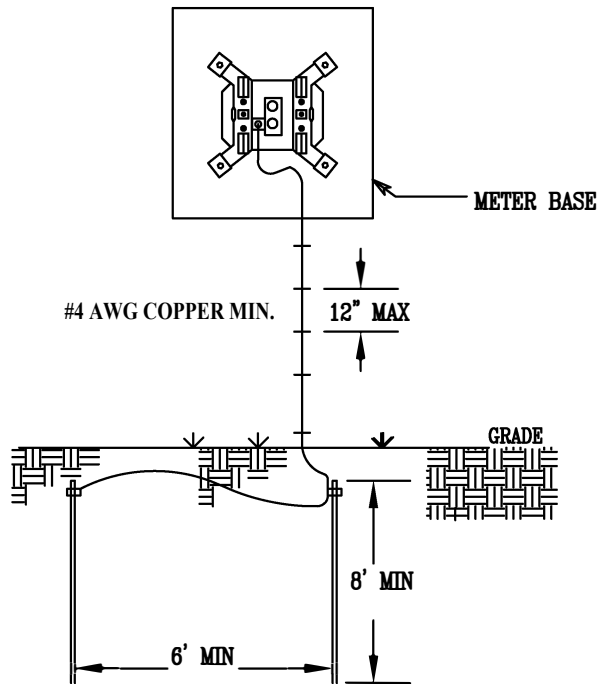
In the 2020 version of the National Electric Code, Article 230.85 was added **requiring "Emergency Disconnects" for one- and two-family dwelling units.** This article requires all service conductors to be terminated in a disconnecting means having a short circuit current rating equal to or greater than the available fault current, installed in a readily available location.

# **National Electric Code Requirements & Installation Drawings**

**All references based on 2020 NEC**

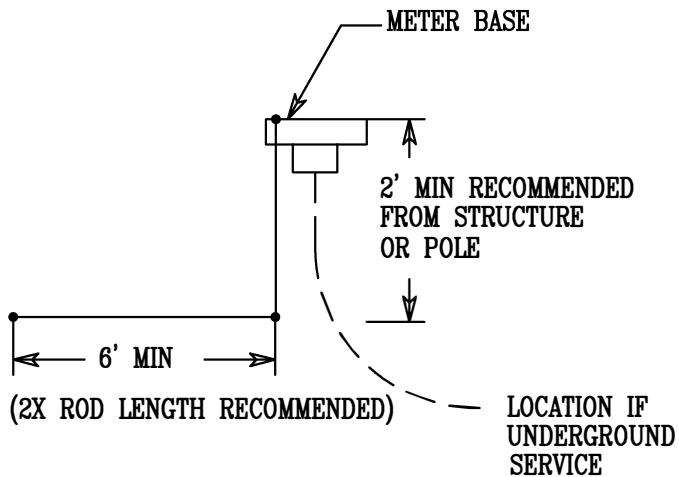
# FLINT ENERGIES SERVICE GROUNDING REQUIREMENT

## REQUIRED



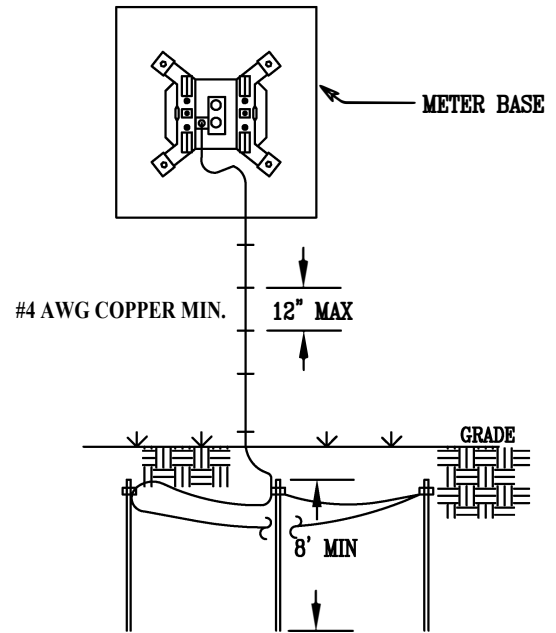
MINIMUM TWO RODS  
REQUIRED PER NEC 250.53

### 2 ROD AERIAL VIEW



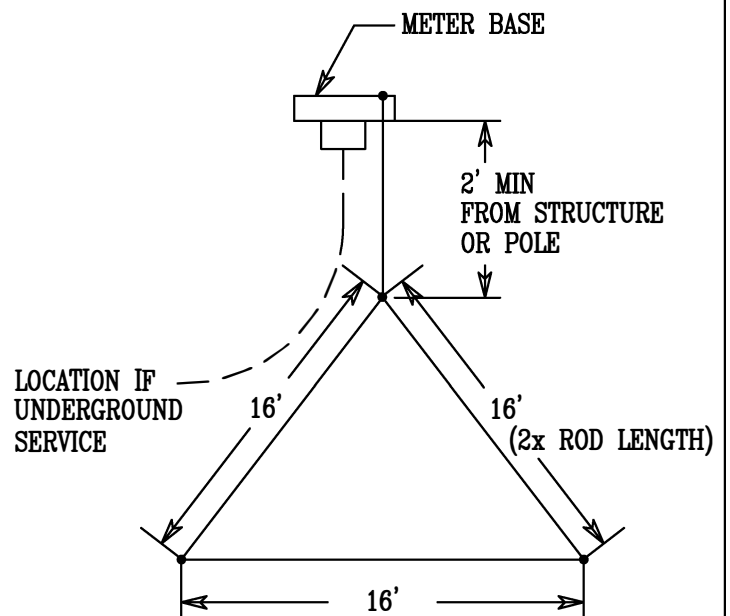
NOT TO SCALE

## RECOMMENDED



THIRD ROD RECOMMENDED FOR  
BEST GROUNDING

### 3 ROD AERIAL VIEW



NOT TO SCALE

DATE:  
4/9/02

FILE:  
NEWGROUND.DWG



FLINT ENERGIES  
900 HWY 96  
WARNER ROBINS, GA 31088

DWG #    GND

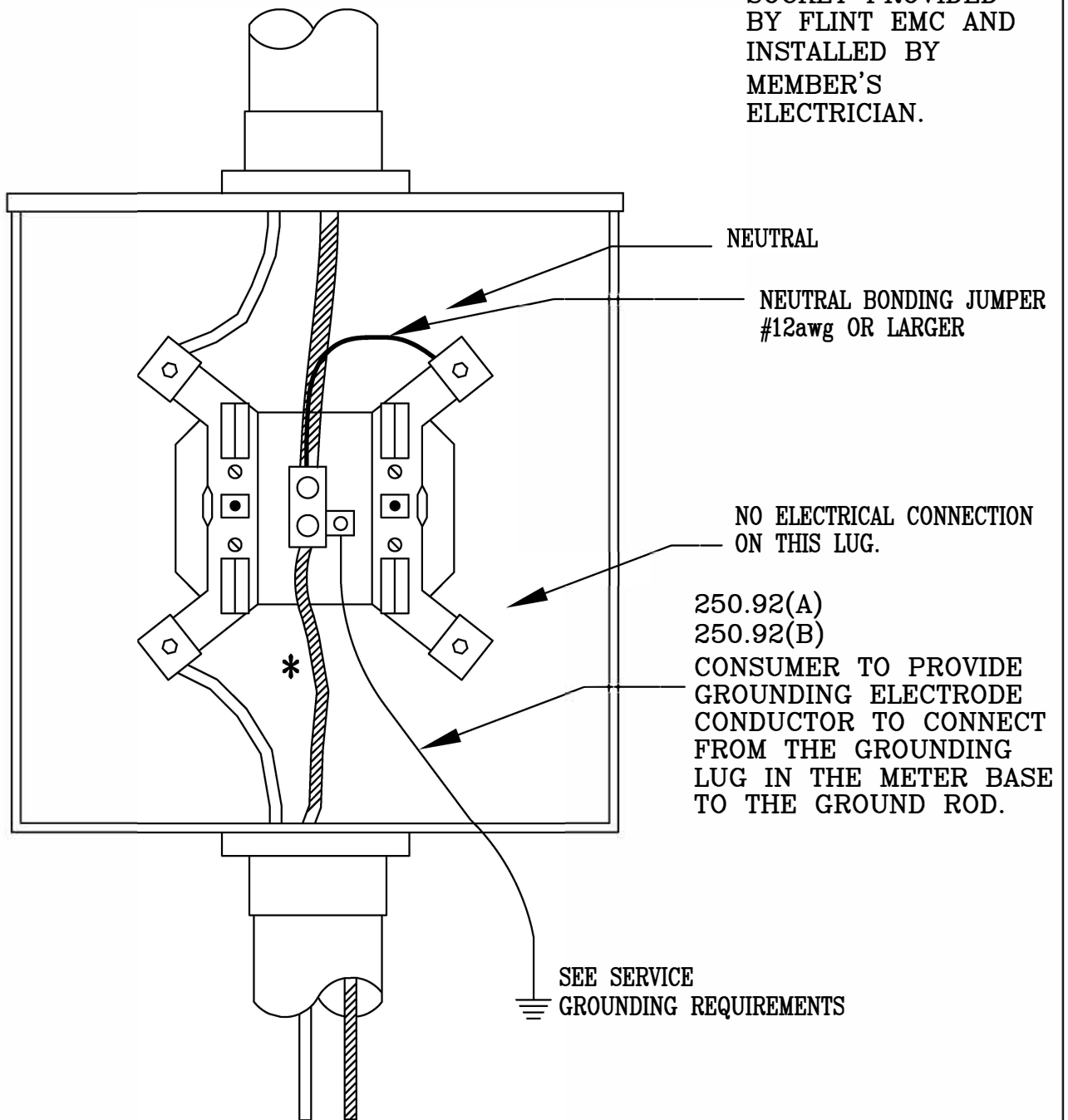
REV:  
7/2024

DWN BY:  
CLB

SHEET 1 OF 1


# 120 VOLT METER SOCKET WIRING DIAGRAM

OVERHEAD METER  
 SOCKET PROVIDED  
 BY FLINT EMC AND  
 INSTALLED BY  
 MEMBER'S  
 ELECTRICIAN.



**NOTE: THIS 120 VOLT SERVICE IS LIMITED TO 100 AMPS OR LESS. THIS DRAWING IS FOR REFERENCE ONLY. GOING FORWARD, FLINT WILL STANDARDIZE ON 120V/240V SINGLE PHASE METER BASES. FLINT WILL NOT ENERGIZE NEW DEDICATED 120V METER BASES BEYOND JANUARY 2024.**

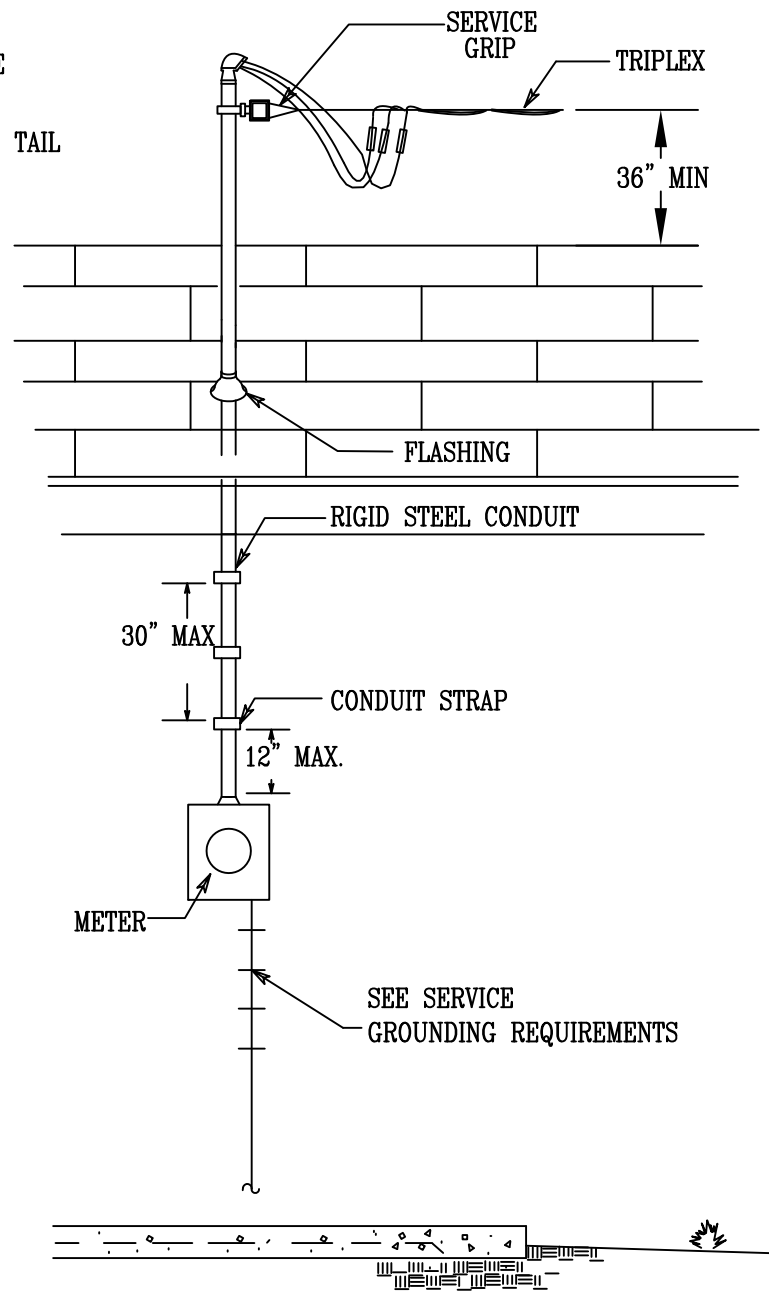
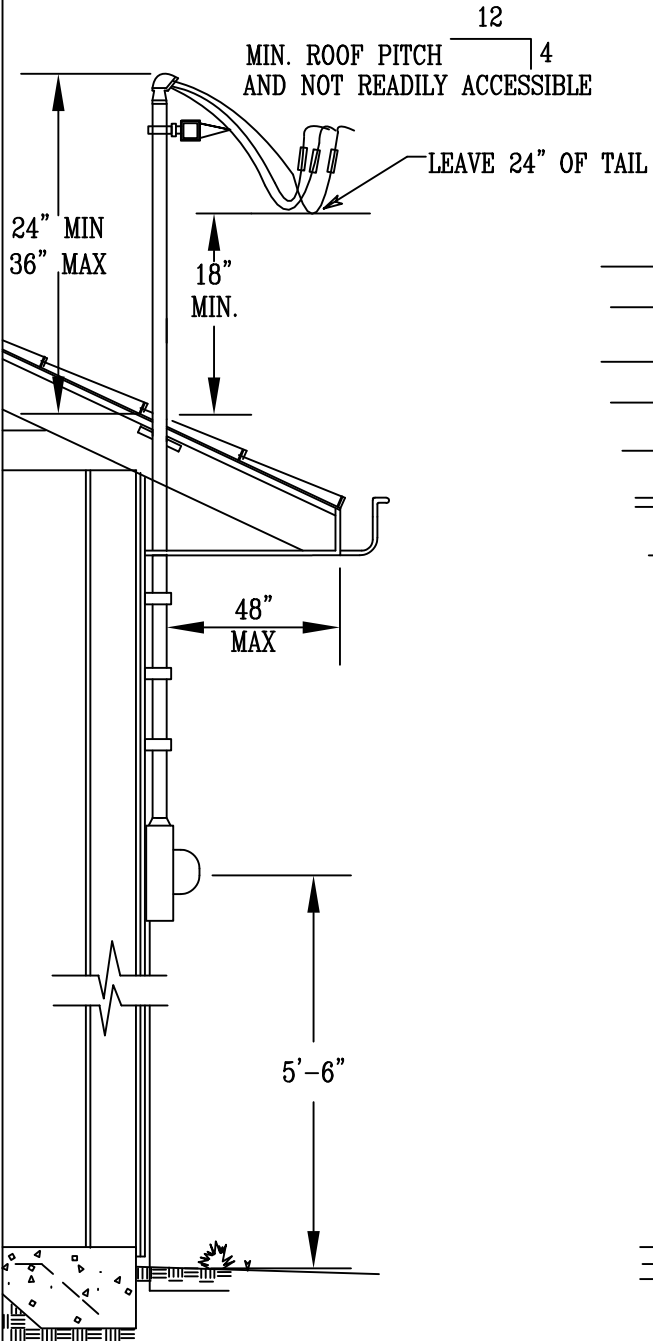
NOT TO SCALE

DATE: 06 /2022	FILE: 120 V SOCKET		FLINT ENERGIES & 900 HWY 96 WARNER ROBINS, GA. 31088	DWG # 120V SHEET 1 OF 1
REV:	DWN BY: C.L.B.			




# OVERHEAD SERVICE REQUIREMENTS

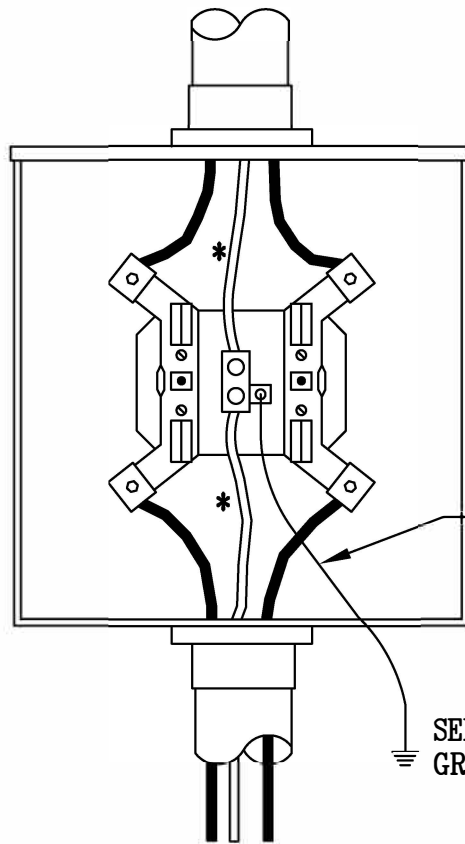
(ALL REFERENCES FROM NEC 2020- EXAMPLE: 230.XX)



NOT TO SCALE

DATE: 11/6/98	FILE: OVERHEADSVC.DWG		FLINT ENERGIES 900 HWY 96 WARNER ROBINS, GA. 31088	DWG #      OHH SHEET 1 OF 2
REV: 6/2022	DWN BY: C.L.B.			

# OVERHEAD SERVICE REQUIREMENTS



OVERHEAD METER  
 SOCKET PROVIDED  
 BY FLINT EMC AND  
 INSTALLED BY  
 MEMBER'S  
 ELECTRICIAN.

\* NEUTRAL

CONSUMER TO PROVIDE  
 GROUNDING ELECTRODE  
 CONDUCTOR TO CONNECT  
 FROM THE GROUNDING  
 LUG IN THE METER BASE  
 TO THE GROUND ROD.

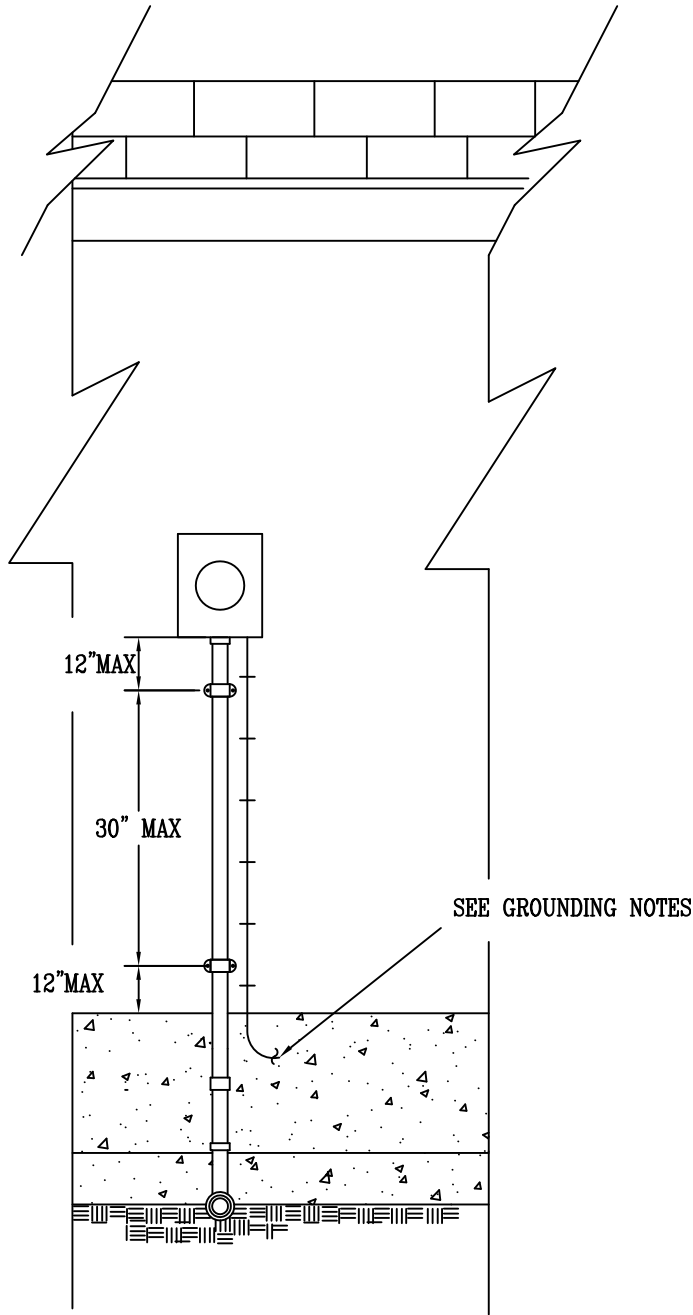
NOT TO SCALE

SEE SERVICE  
 GROUNDING REQUIREMENTS

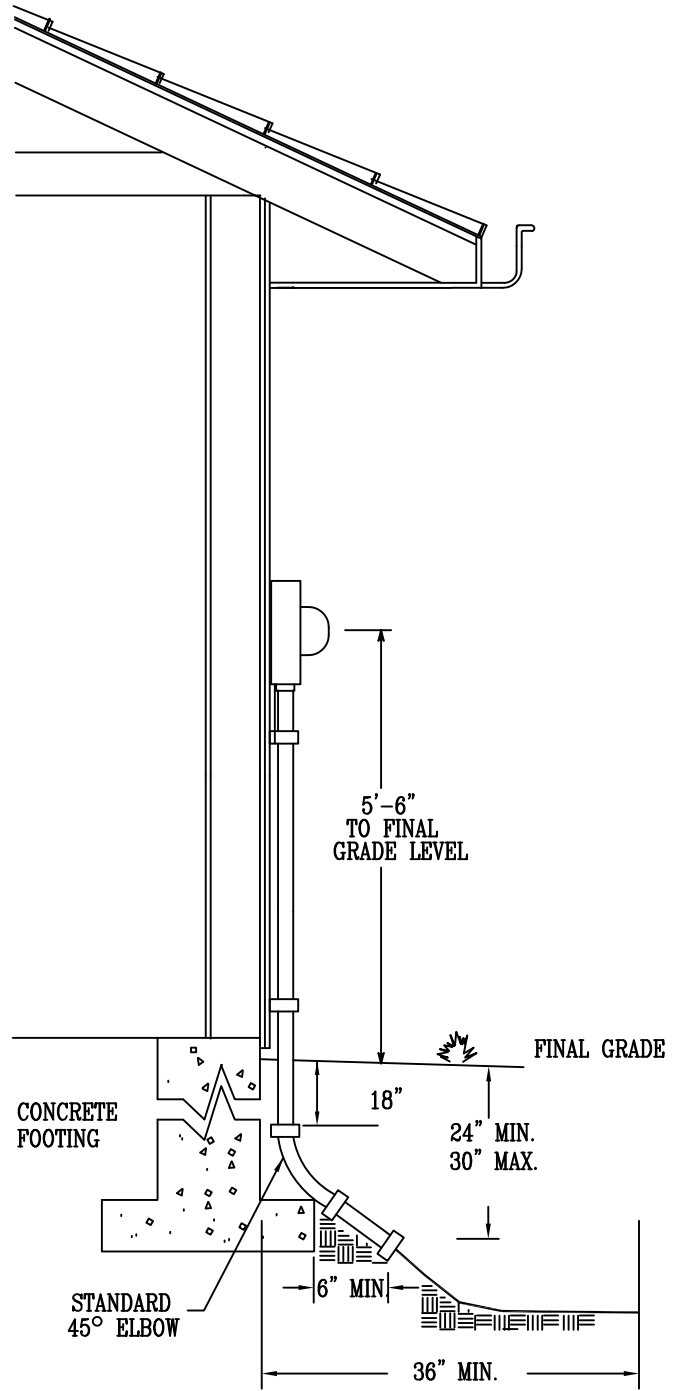
NOTES:  
 REFER TO THE NEC 2020 Section 230 FOR COMPLETE SERVICE REQUIREMENTS.

DATE: 11/6/98	FILE: OVERHEADSVC.DWG		FLINT ENERGIES & 900 HWY 96 WARNER ROBINS, GA. 31088	DWG # OHH SHEET 2 OF 2
REV: 6/2022	DWN BY: C.L.B.			

# UNDERGROUND SERVICE REQUIREMENTS



NOT TO SCALE



DATE: 4/9/02	FILE: UNDERGROUND SVC.DWG
REV: 6/2022	DWN BY: CLB

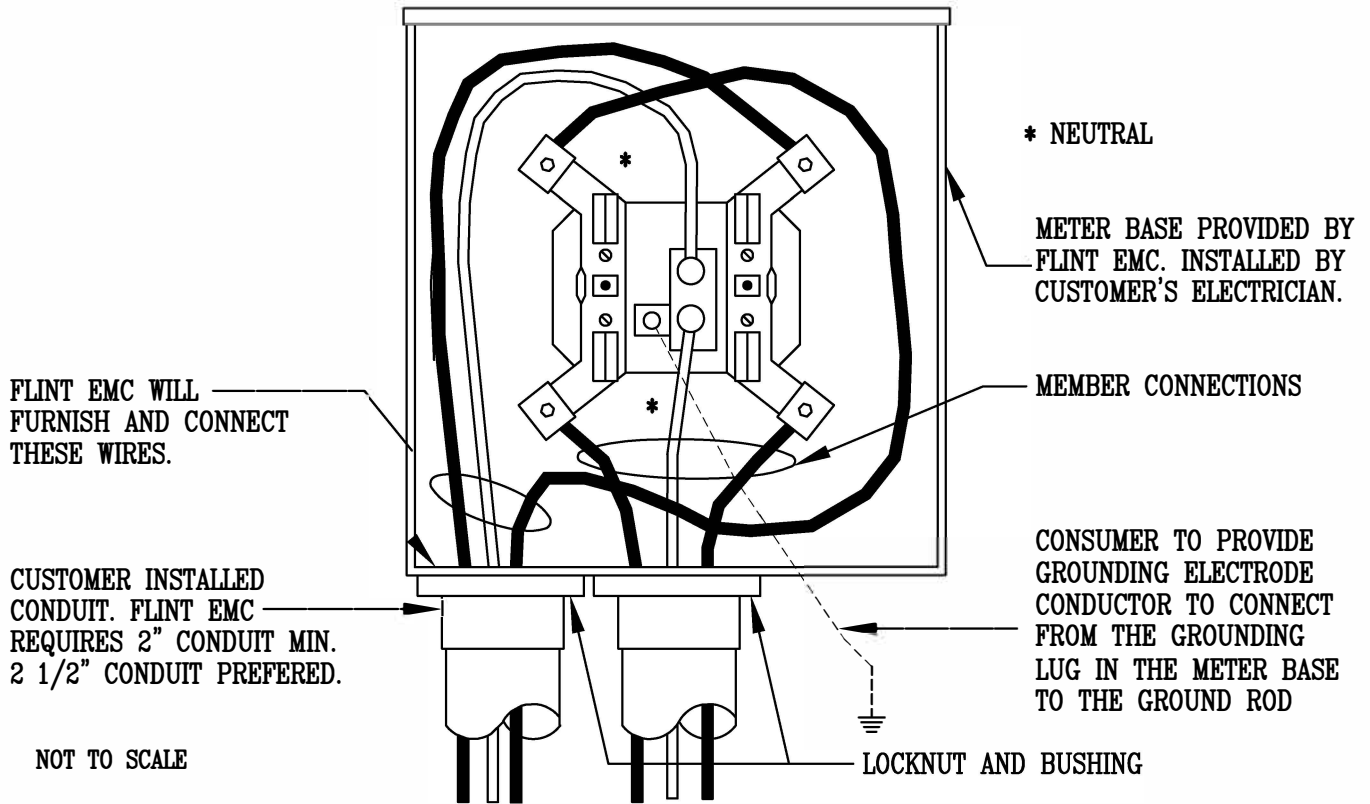


**FLINT ENERGIES**  
900 HWY 96  
WARNER ROBINS, GA 31088


DWG # UGH

SHEET 1 OF 2

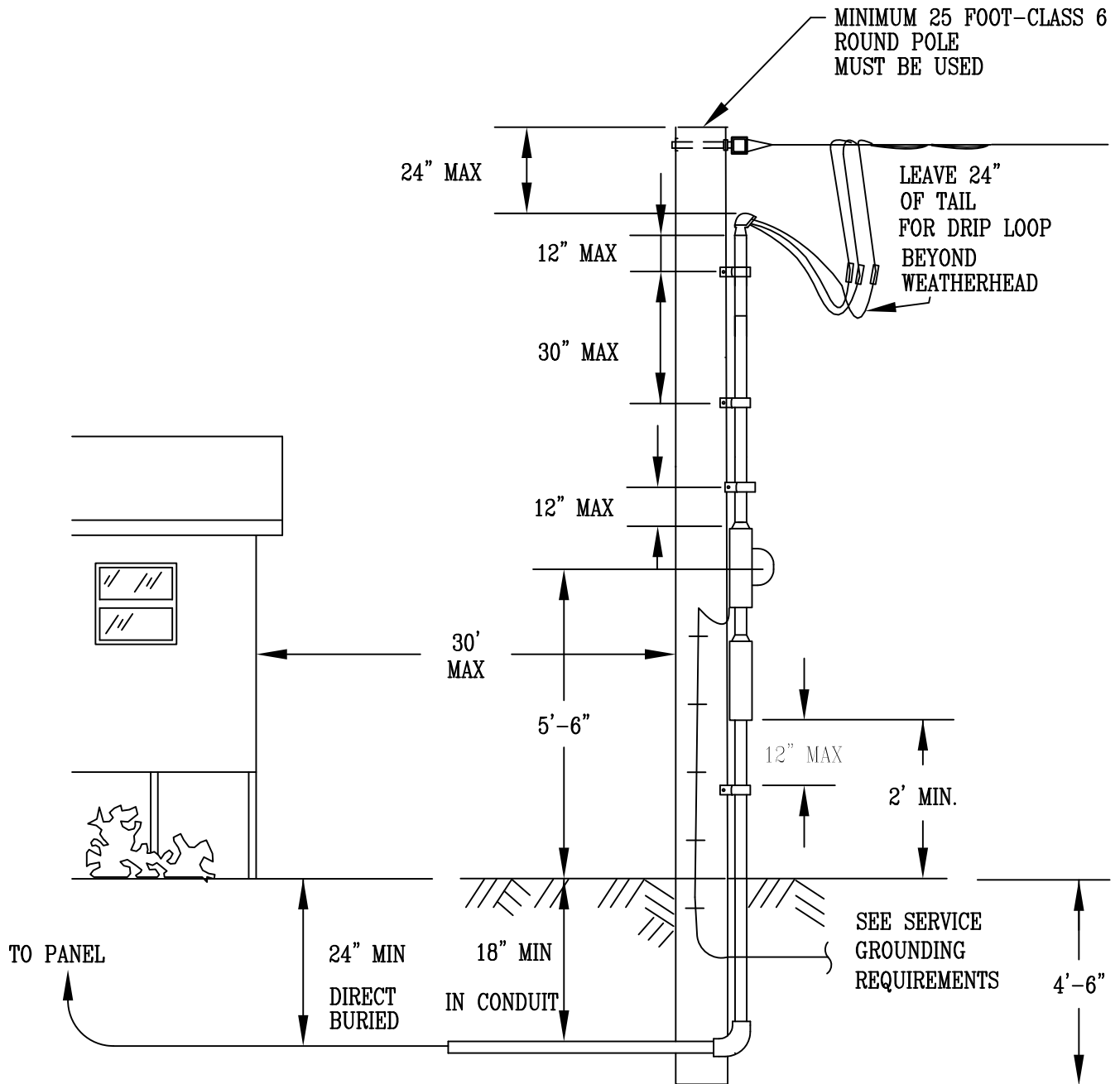
# UNDERGROUND SERVICE REQUIREMENTS



NOTES:  
REFER TO THE NEC 2020 FOR COMPLETE DEFINITIONS

DATE: 11/6/98	FILE: UNDERGROUND SVC.DWG		<b>FLINT ENERGIES</b> 900 HWY 96 WARNER ROBINS, GA. 31088	DWG # UGH <hr/> SHEET 2 OF 2
REV: 6/2022	DWN BY: C.L.B.			

# MANUFACTURED HOME OVERHEAD INSTALLATION



NOT TO SCALE

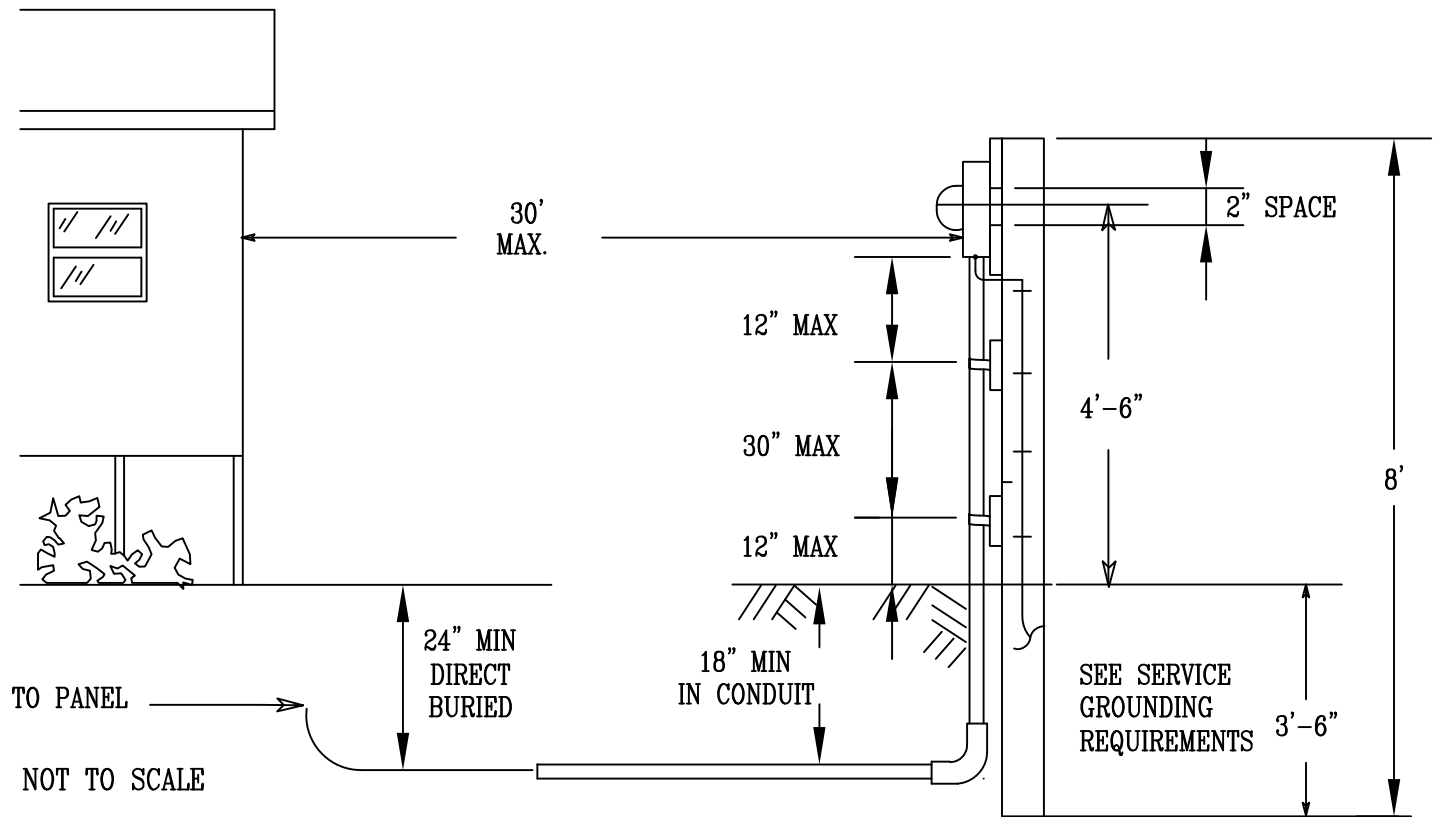
DATE: 4/9/02	FILE: MANUFACTUREDHOME.DWG
REV: 6/2022	DWN BY: CLB



**FLINT ENERGIES**  
 900 HWY 96  
 WARNER ROBINS, GA 31088

DWG #	OHHM
SHEET	1 OF 1

# MANUFACTURED HOME TYPICAL UNDERGROUND INSTALLATION



DATE:  
3/7/97

FILE:  
UGMBLHOME.DWG



**FLINT ENERGIES**  
900 HWY 96  
WARNER ROBINS, GA 31088

DWG # UGHM

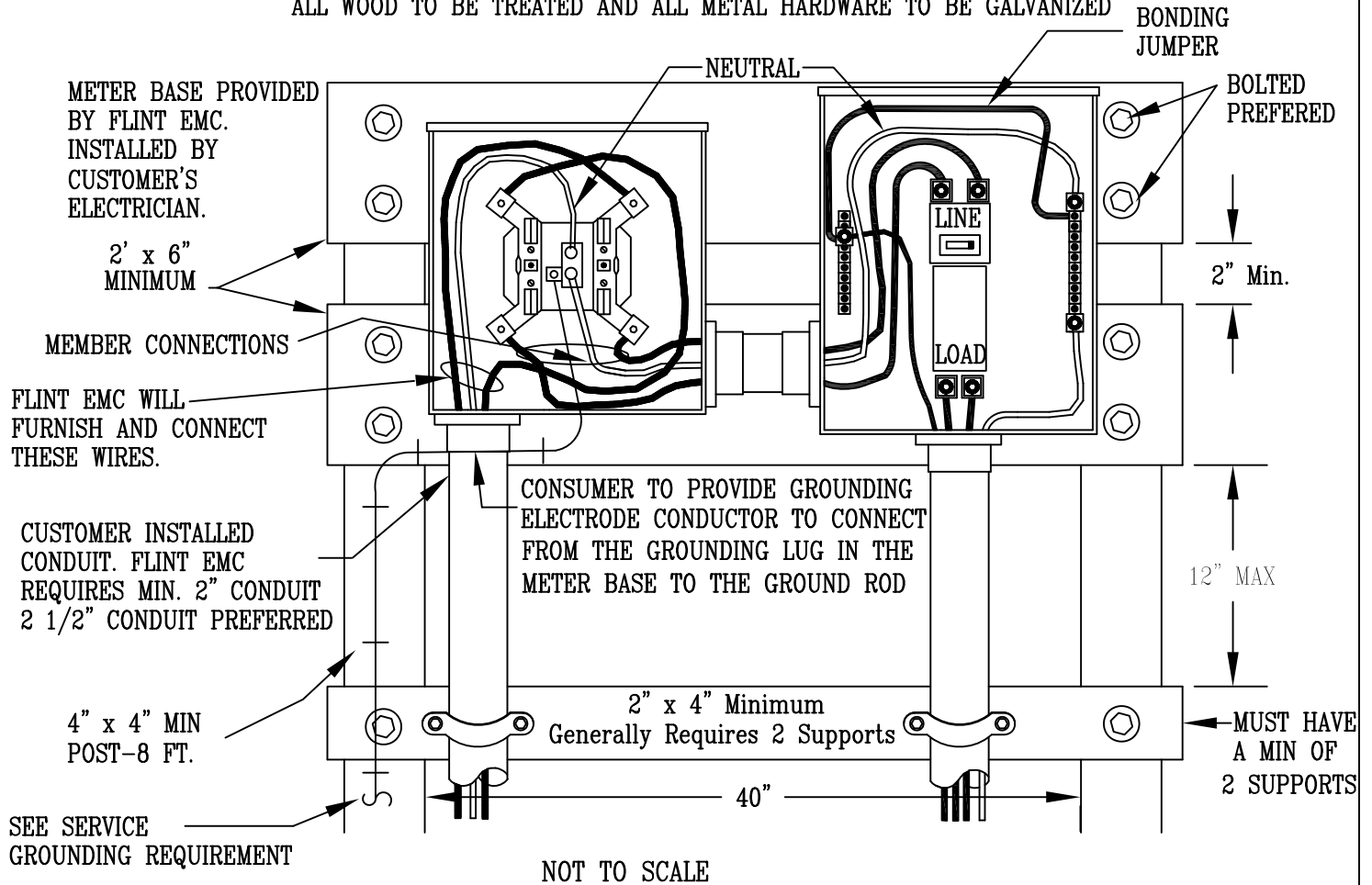
REV:  
6/2022

DWN BY:  
CLB

SHEET 1 OF 2

# MANUFACTURED HOME TYPICAL UNDERGROUND INSTALLATION

ALL WOOD TO BE TREATED AND ALL METAL HARDWARE TO BE GALVANIZED

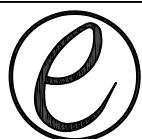


**NOTES:**

ALL WOOD TO BE TREATED AND ALL METAL HARDWARE TO BE GALVANIZED  
 BACKER BOARDS TO BE EITHER 2x6 OR 5/4 DECK BOARDS. PLYWOOD IS NOT ACCEPTABLE.

DATE:  
3/7/97

FILE:  
UGMBLHOME.DWG



FLINT ENERGIES  
 900 HWY 96  
 WARNER ROBINS, GA 31088

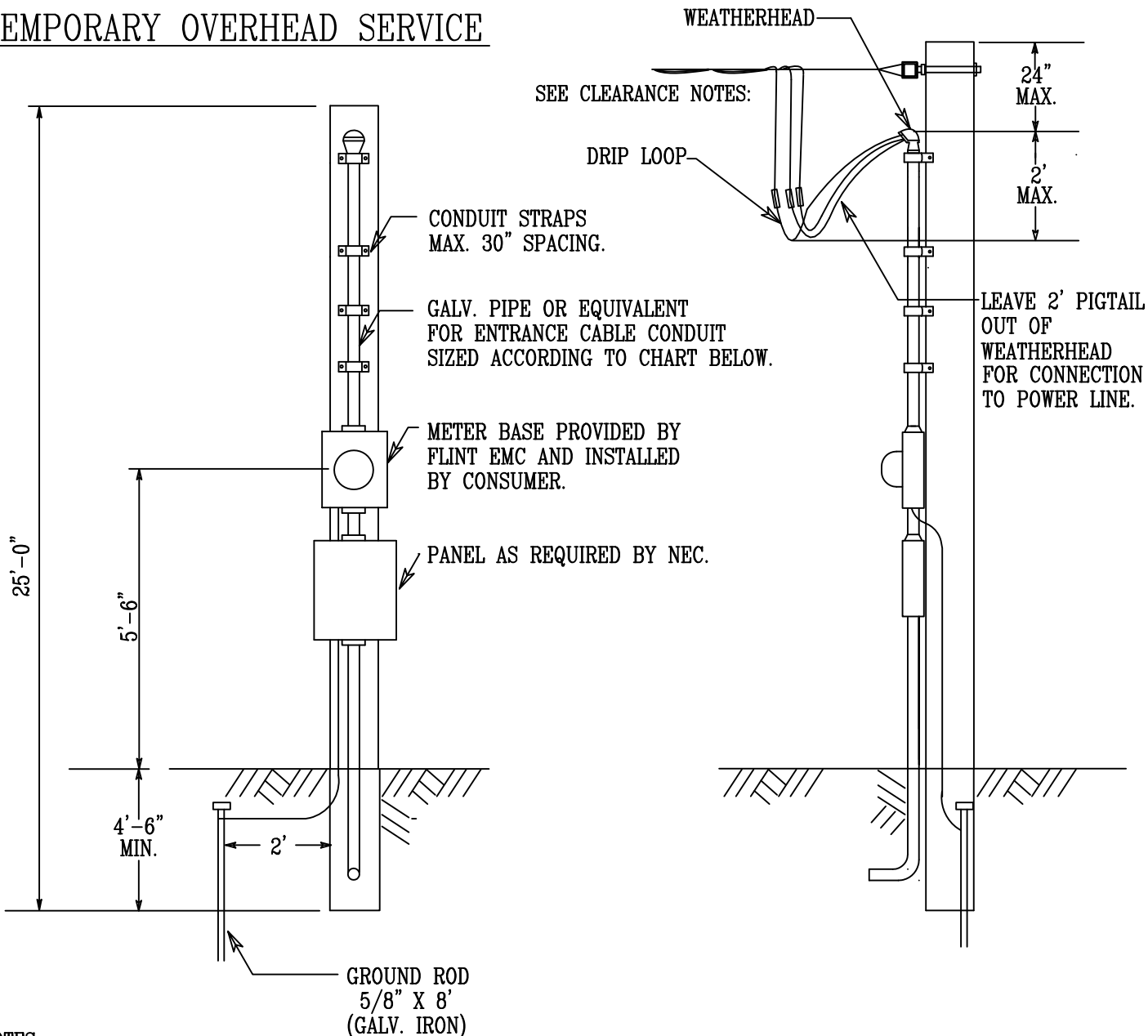
DWG # UGHM

REV:  
6/2022

DWN BY:  
CLB

SHEET 2 OF 2

# TEMPORARY OVERHEAD SERVICE



**NOTES:**

1. 25' ROUND CLASS 6 POLE, PRESSURE TREATED CAN BE PURCHASED FROM FLINT EMC WAREHOUSES IN REYNOLDS, AND WARNER ROBINS.
2. INSTALLATION MUST MEET GROUNDING REQUIREMENTS OF 2020 NATIONAL ELECTRIC CODE (NEC)
3. TEMPORARY SERVICE POLE CANNOT BE USED TO TO SERVE MANUFACTURED HOMES.
4. FLINT REQUIRES THE USE OF A ROUND WOODEN POLE, SQUARE POLES NOT ACCEPTABLE.

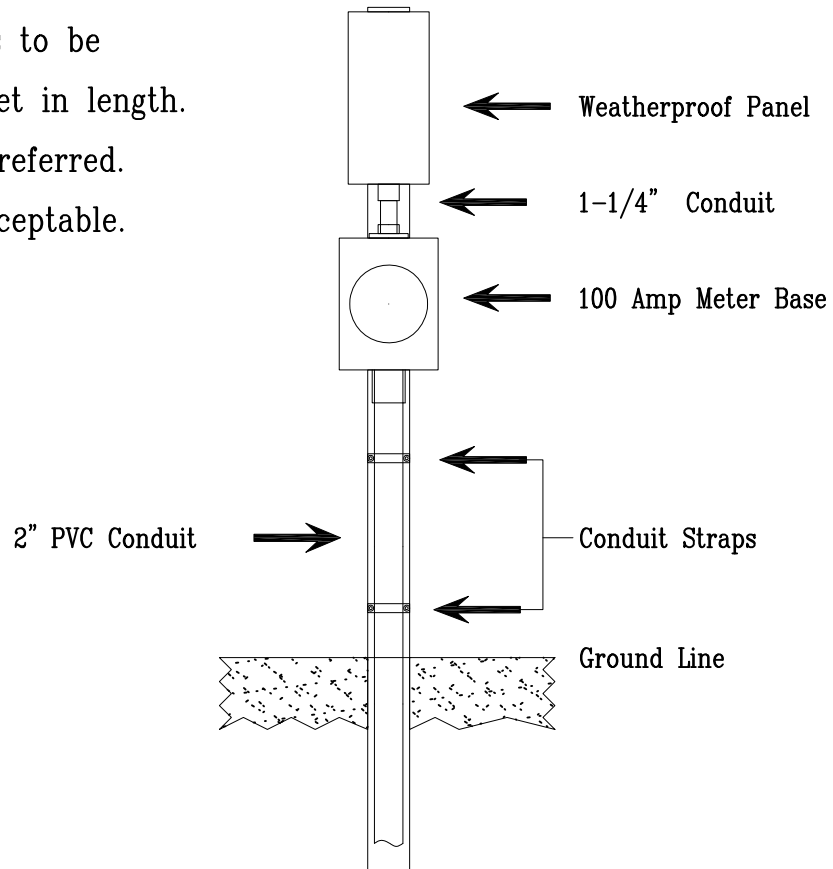
Minimum ground clearances listed on page 5 must be maintained. **Flint recommends the use of a 25 ft., class 6 round wooden pole to accomplish the required ground clearances.**

DATE: 3/2017	FILE: TEMPPOLE.DWG		FLINT ENERGIES 900 HWY 96 WARNER ROBINS, GA 31088	DWG # TEMP-OH
REV: 6/2022	DWN BY: JR			SHEET OF



# TEMPORARY UNDERGROUND SERVICE POLE

The supporting pole is to be treated wood eight feet in length.  
 A 4" square post is preferred.  
 A 6" round post is acceptable.



## NOTES:

1. INSTALLATION MUST MEET GROUNDING REQUIREMENTS OF 2020 NATIONAL ELECTRIC CODE (NEC)
2. TEMPORARY SERVICE POLE CANNOT BE USED TO SERVE MANUFACTURED HOMES.
3. METER SOCKET SHALL BE MOUNTED SO CENTER OF METER IS BETWEEN 3'-6" AND 5'-6" ABOVE GROUND.

DATE:  
2/2012

FILE:  
TEMPPOLE.DWG



FLINT ENERGIES  
 900 HWY 96  
 WARNER ROBINS, GA 31088

DWG # TEMP-UG

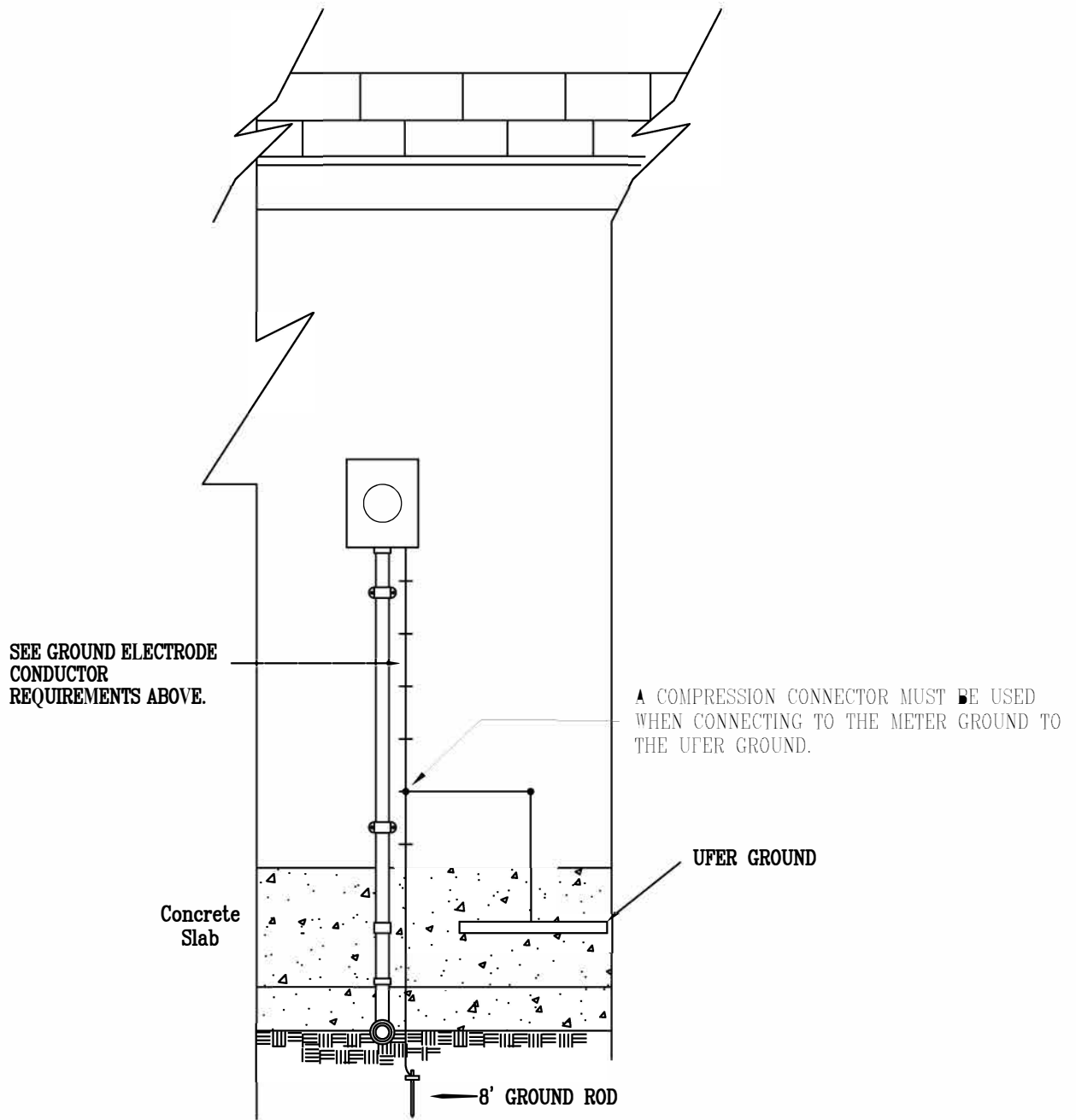
REV:  
6/2022

DWN BY:  
JR

SHEET OF

# UFER GROUND EXAMPLE

(ALL REFERENCES FROM NEC 2020- EXAMPLE 230.XX)



NOT TO SCALE

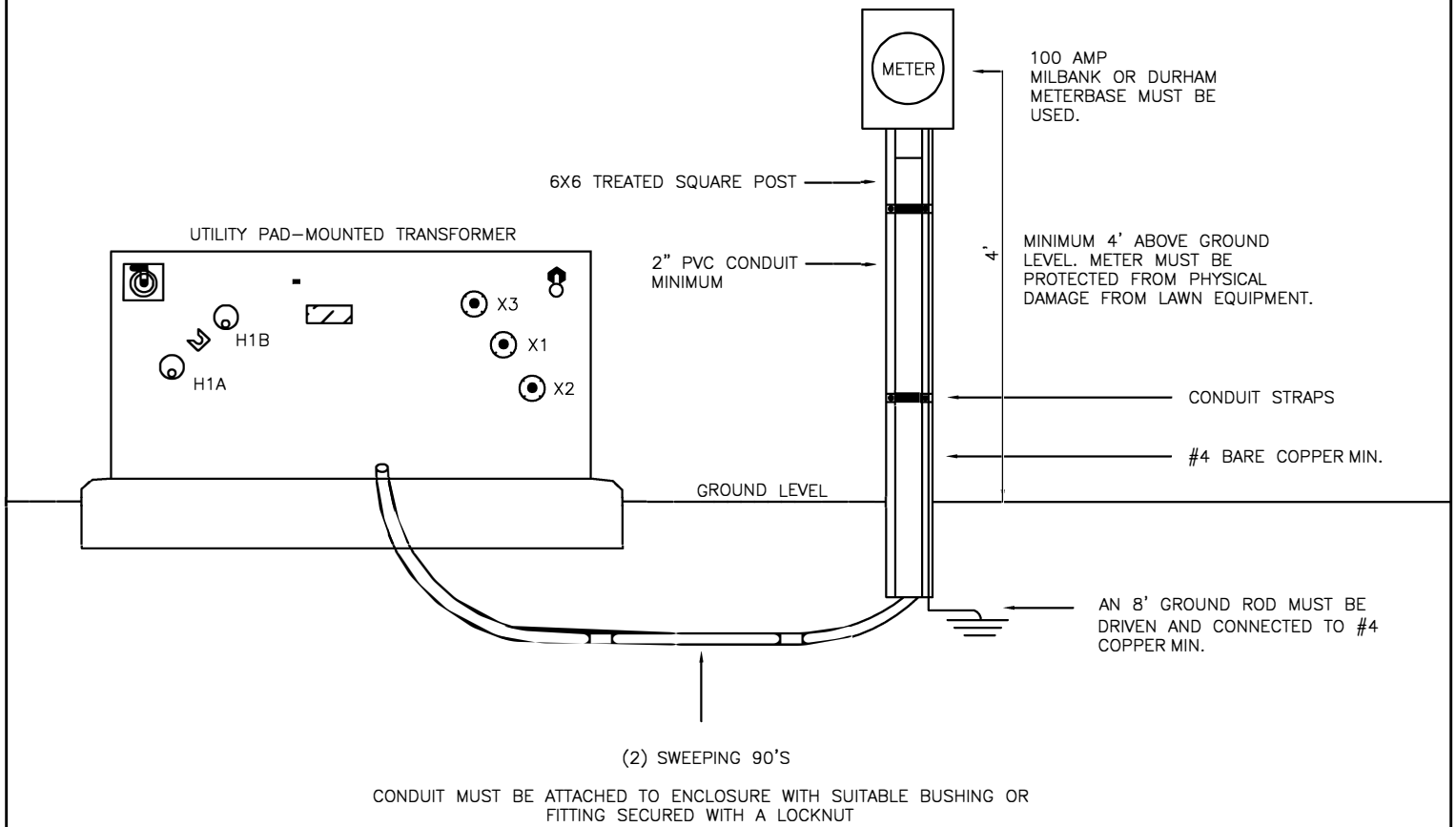
DATE: 4/9/02	FILE: UNDERGROUND SVC.DWG
REV: 6/2022	DWN BY: CLB



FLINT ENERGIES  
900 HWY 96  
WARNER ROBINS, GA 31088

DWG # UFER  
SHEET 1 OF 1

# SINGLE PHASE PADMOUNT TRANSFORMER W/CT METERING INSTALLED ON THE TRANSFORMER



SINGLE PHASE CT METER

7/28/2022

AMD