

12 Agricultural and Other Pole-Mounted Services

12.1 Irrigation Pumping Overhead Metering, Direct Connect

Follow these requirements when installing an irrigation pumping overhead metering, direct-connect service such as that shown in **Figure 12-1**.

- The Customer must install the service conductors from the pump switchgear to the meter socket, and from the meter socket to the weatherhead.
- Consult PGE for platform requirements.
- For clearance information, see **Table 5-1**, *Minimum Clearances for Service Drops, 750 Volts and Lower Based on NESC C2-2012*.
- The pole provided by the Customer must be pressure-treated or thermally treated by the manufacturer with an approved American Wood Preservatives Association standardized preservative.
- For pole height, class, and depth requirements, see Section 3.9, *Customer-Owned Poles and Guying*.
- PGE will bond the down guy to the service neutral and pole ground conductor.
- The down guy is to be attached at the weatherhead height.
- The Customer must provide and install a minimum 5/16-inch down guy to support the PGE overhead conductor.
- The Customer is to provide and install an anchor.
- A 96-inch minimum must be maintained between the mounting studs.

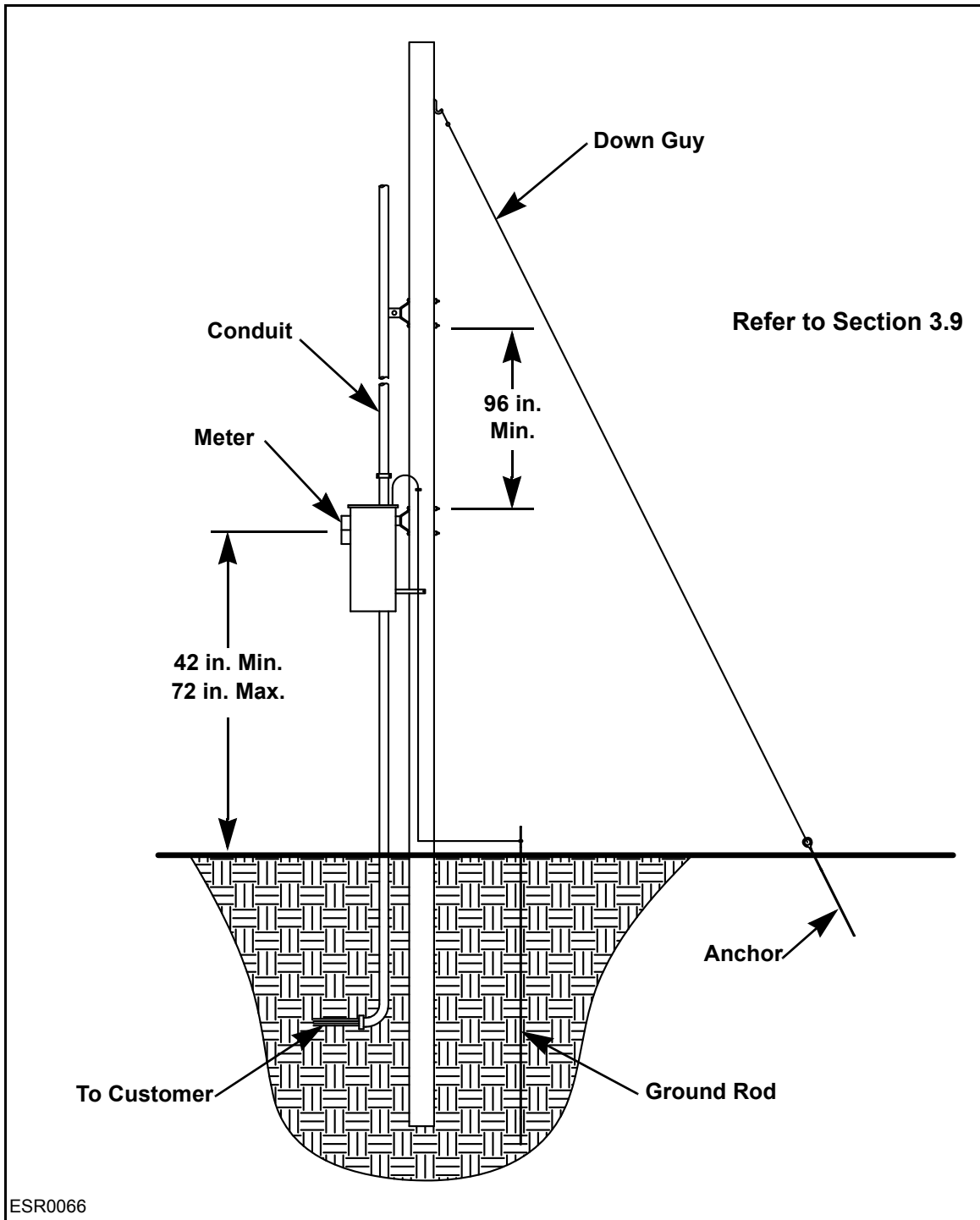


Figure 12-1: Irrigation Pumping Overhead Metering, Direct Connect

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12.2 *Underground Irrigation Pumping Service Backstop Options*

Follow these requirements when installing an underground irrigation pumping service backstop, such as the four examples shown in **Figure 12-2**.

- All hardware must be galvanized or stainless steel.
- All wood posts and poles must be pressure treated or thermally treated by the manufacturer with an approved American Wood Preservatives Association standardized preservative.
- All steel sheets must be 1/8- to 3/8-inch thick galvanized steel.
- All metal pieces must be bonded to the ground conductor.
- 2- x 2-inch galvanized steel posts may be used.
- All posts and poles must be set 36 inches deep with concrete backfill or 60 inches deep with no concrete backfill.
- The wood posts must be a minimum 4 inches x 6 inches.
- The wood support must be 2 inches x 6 inches.
- Wood poles must be 6 inches in diameter.
- All posts and poles must be capped.
- Install a Unistrut® between the posts or poles to support conduit.
- Bolt the meter and the disconnect switch to the Unistrut.

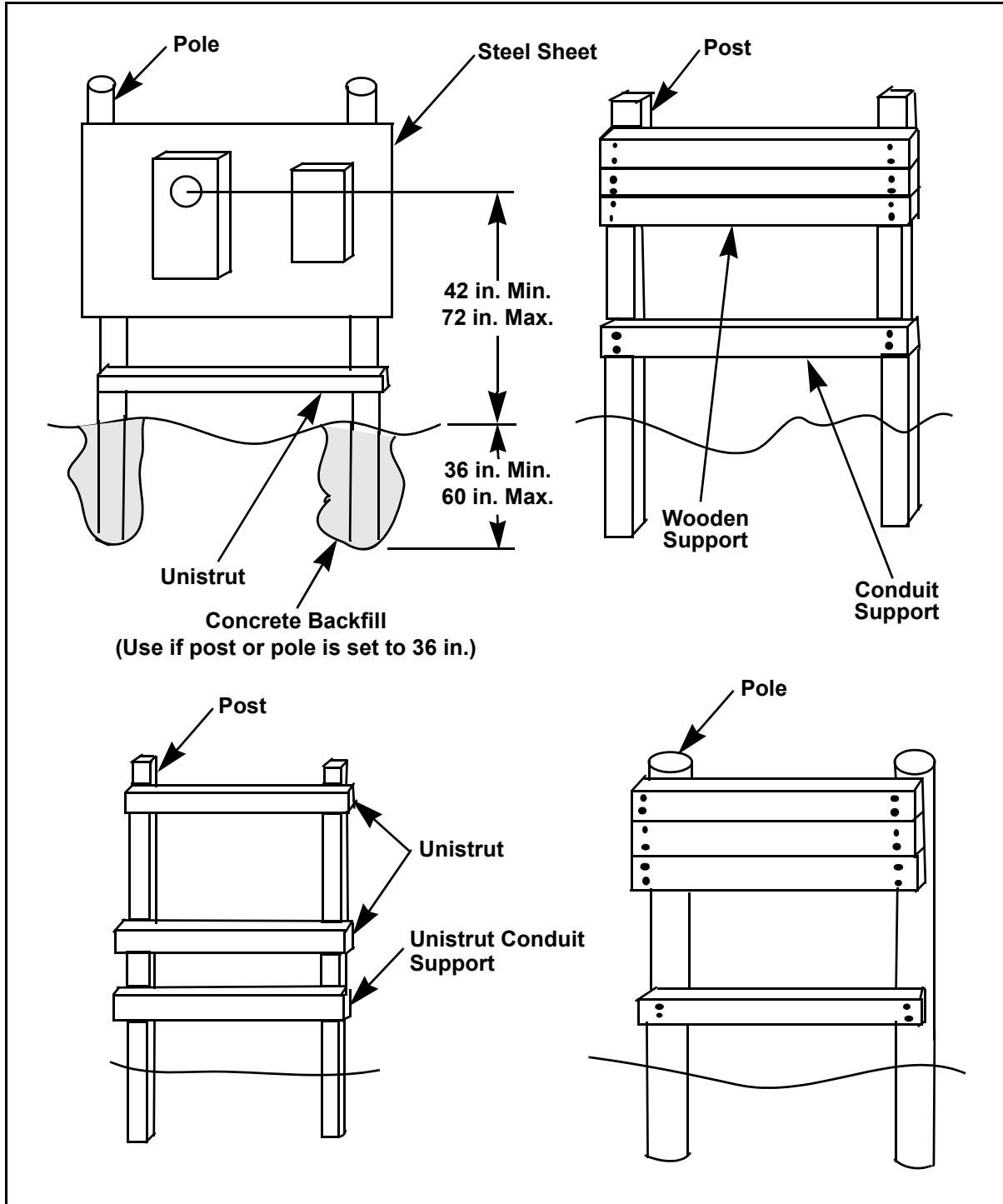


Figure 12-2: Underground Irrigation Pumping Service Backstop Options

12.3 Meter Access Platform in a Flooded Area

Follow these requirements when installing a meter access platform in a flood area, such as the typical Customer-installed platform shown in **Figure 12-3**.

- PGE requires a clear workspace in front of a switchgear of 78 inches high, a minimum of 48 inches wide, and 48 inches deep.
- PGE and the Customer will determine when a platform is required and where it will be located. Contact PGE for variations in platform requirements. The platform must be approved by PGE before installation.
- All lumber used to make a platform must be pressure-treated. The cost of construction will be the responsibility of the Customer. The Customer must maintain the platform for future access and structural strength.
- The Customer is responsible for permits or use of land associated with a meter access platform.
- The pole will be furnished and installed by the Customer.
- The stair run will vary with the height of the platform, and the handrail stanchions will be equally spaced.
- The Customer is responsible for ensuring that the minimum electrical clearances are maintained from the platform to the service attachment. See **Table 5-1, Minimum Clearances for Service Drops, 750 Volts and Lower Based on NESC C2-2012**.

IMPORTANT: PGE will notify the Customer if a hazardous situation exists with a meter access platform. The Customer will have 60 days to repair the safety or maintenance issue. If repairs are not made by the end of this time, the Customer's service will be subject to disconnection.

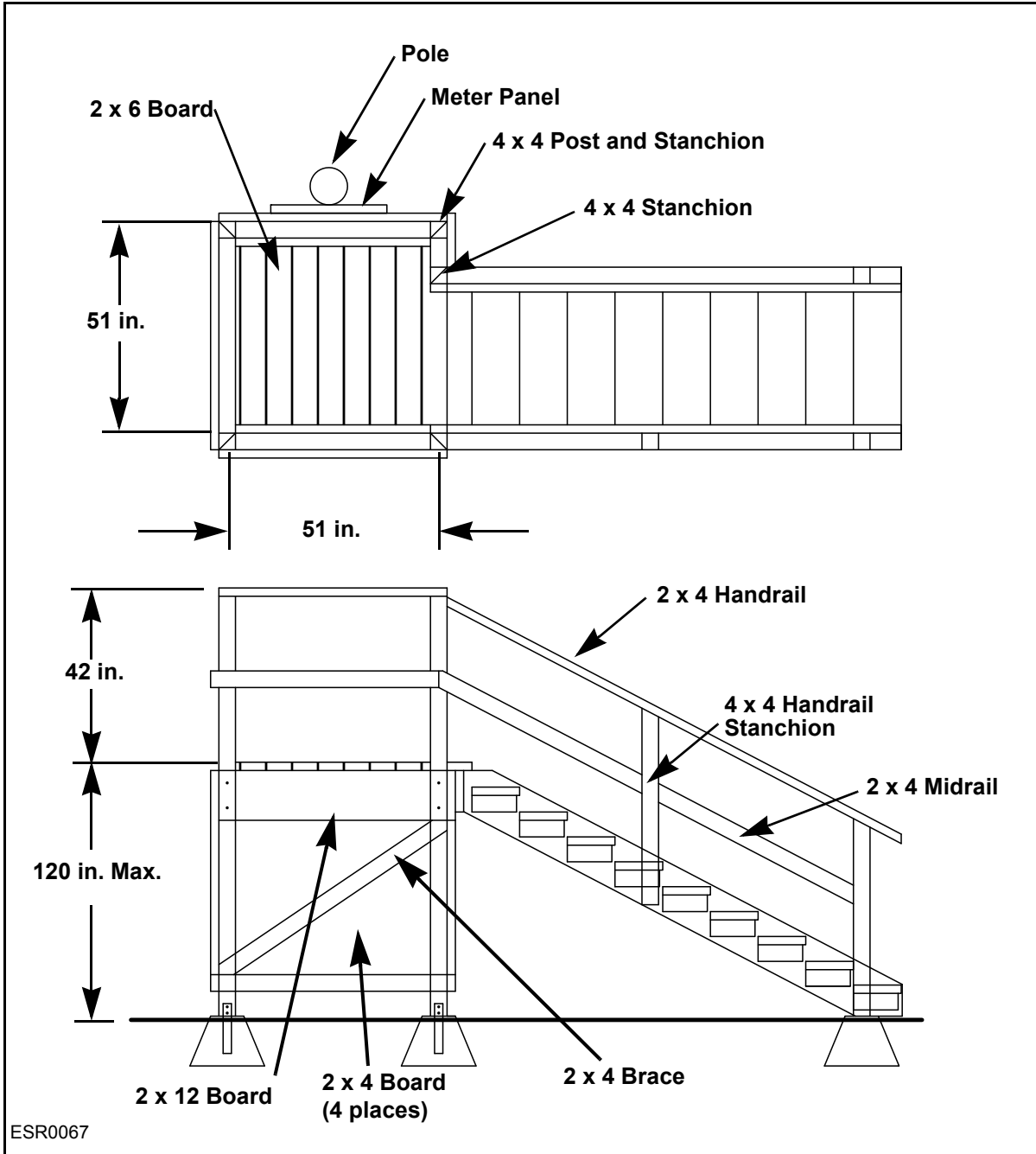


Figure 12-3: Typical Meter Access Platform

