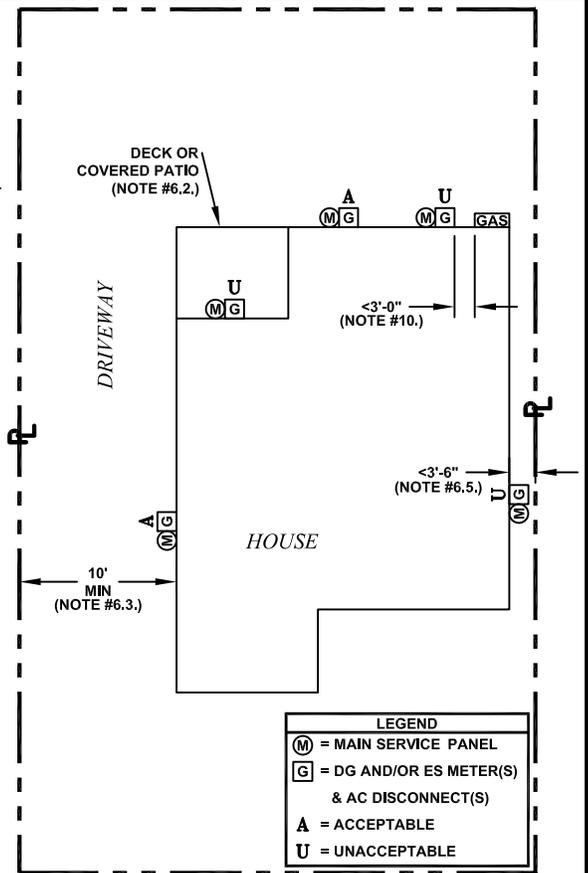
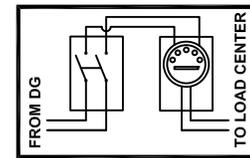


D.E.R.S.

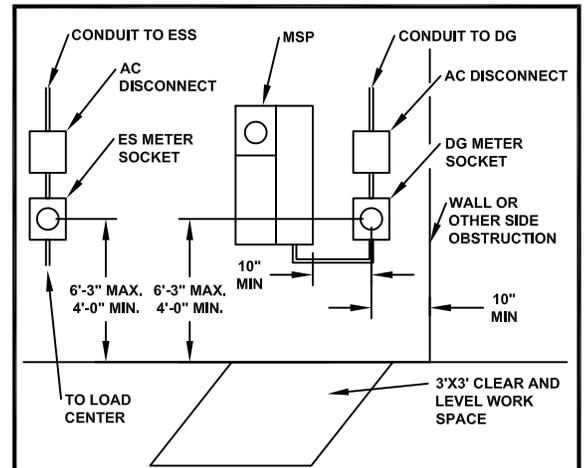
1. These requirements are not intended to be comprehensive. Refer to the GWP Electrical Service Requirements (ESR) for complete requirements.
2. All Distributed Generation (DG) systems require a utility DG meter and AC disconnect. All Distributed Generation + Storage (DG+S) systems require a utility Energy Storage (ES) meter and AC disconnect.
3. Project shall incorporate DER-DWG-001 into the DG plans by printing the DERS onto a page with your company title block and inserting the page into the DG plans for permitting.
4. Project's Single Line shall be drawn per the "TYP. SINGLE LINE" depicted below.
5. Contact GWP at 818-548-3921 to request a utility Service Spot drawing if:
 - 5.1. DG meter and AC disconnect cannot be installed per these requirements.
 - 5.2. Property is commercial or multi-residential.
 - 5.3. DG circuit breaker is to be installed on a load center located inside a building.
 - 5.4. Existing Main Service Panel (MSP) has no load center.
 - 5.5. MSP will be upgraded or replaced.
 - 5.6. DG+S design does not match ESR, DER-DWG-004, -005, -006, or -007.
6. DG & ES meter sockets and AC disconnects shall:
 - 6.1. Be installed within 10' and in line-of-sight of the MSP.
 - 6.2. Be installed in a location compliant with ESR, MTR-105.
 - 6.3. Not be installed in a driveway, unless the drivable space is a minimum of 10'-0" wide.
 - 6.4. Maintain a 10" min. clearance from center-line of meter to any side obstruction (e.g. MSP, wall, inverter, etc.). See ESR, MTR-DWG-006 for additional requirements.
 - 6.5. Maintain a 3'x3' clear and level work space measured from the front face of equipment.
 - 6.6. Not be installed above objects protruding more than 6" from wall (e.g. hose bib).
7. DG & ES meter sockets shall be 120/240V, 1Ø, 3-wire, ring-type, and 4-clip.
 - 7.1. Install a permanent placard indicating "Battery Backup Meter" on ES meter.
8. Utility AC disconnects shall be:
 - 8.1. Installed within 24" of the applicable meter socket (DG or ES).
 - 8.2. Installed so the operating handle is no higher than 6'-7" from grade when the handle is in the highest position.
 - 8.3. Fused or blade-type. A viewing window is not required; unless specified by GWP.
9. Down-sizing of the service Main Disconnect and the sizing of the DG circuit breaker is the sole jurisdiction of Building & Safety (B&S), Section of Community Development Department.
 - 9.1. Call 818-548-2122 to request a meter unlock "for repairs" to down-size Main.
10. A 36" minimum radial clearance is required from the centerline of the gas meter regulator to any electrical panel/conduit. An 18" minimum horizontal clearance is required from any gas pipe to any electrical panel/conduit.
11. If ES is installed, solar contractor is responsible for coordinating a date/time for GWP, B&S, and solar contractor to meet simultaneously at the site. Call 818-548-4830 to request a final B&S inspection and 818-548-2122 to request a functionality test from GWP.
12. GWP will install the DG and/or ES meter(s) within 7-10 working days after receiving all City inspection releases.
13. After the DG and/or ES meter(s) is installed, the customer will receive Permit to Operate (PTO) from GWP Solar Solutions group, phone# 818-548-2750. DER system shall not be energized until PTO is granted.



TYP. SITE PLAN



TYP. SINGLE LINE



TYP. ELEVATION PLAN

DATE	REV.	DESCRIPTION	BY	CHK'D	APP.
12/10/19	2	REVISED GAS METER CLEARANCES AND MINOR EDITORIAL REVISIONS	CC	VG	DRH



REV. NO. 2
DATE 10/17/18
DRAWN BY: CC
APPROVED: DH

CITY OF GLENDALE WATER & POWER

DISTRIBUTED ENERGY RESOURCES SPECIFICATIONS (DERS) – RESIDENTIAL

DER-DWG-001
PAGE 1 of 1

SERVICE PLANNING