



1. Rigid galvanized steel conduit and approved fittings required only when meter is used. ■
2. Extend items 16, 17 & 18 to enter base of item 15 when no meter is used.
3. When meter is required, items 6, 11 & 15 may be mounted on the opposite side of pole to meet code requirements.
4. Typical installation—consult utility and local codes for specific requirements.
5. All underground rigid galvanized steel conduit shall be wrapped with an approved P.V.C. tape.

**MATERIAL LIST**

Itm.	Qu.	Description
1	1	Class 3 Wood Pole Fully Treated — 25' Min. (Gen. Specs.)
2	1	Eye Bolt
3	1	3 Wire 240/480 V. A.C. By Utility Co.
4	3	THW Wire — 2 Black, 1 White
5	1	Down Guy, Install Where Service Drop Exceeds 100' Or As Directed By Engineer
6	1	Rigid Galv. Steel Conduit & Service Entrance Cap
7	1	Photo Electric Cell On Bracket Facing North Mounted 16' From Ground Level, Mount "C"—See T.S. 15-5, See Plans
8	1	Service Entrance Cap—See Conductor Schedule On Plans
9		Conduit Clamps As Required
10	1	Watertight Flex Conduit With Approved Fittings
11		Conduit Clamps As Required
12	1	Rigid Galv. Steel Conduit, See Conductor Schedule On Plans
13	1	Meter And 5 Terminal Safety Socket Trough—See Note 4
14	1	3/4" Med. Density Plywood Backing Board
15	1	600 V. Raintight Safety Switch
16		Rigid Galv. Steel Conduit—See Conductor Schedule On Plans
17		Rigid Galv. Steel Conduit
18		Grounding Conductor
19	1	5/8" Ø x 10' Copper Clad Ground Rod With Clamp
20		Galv. Steel Insulated Grounding Conduit Bushing When Req'd.
21	1	Pull Box
22		Galv. Steel Insulated Grounding Conduit Bushing
23		Conduit End Bell
24	1	3/8" Bolt Thru Pole, Board And Strap
25		1/8" x 1" Galv. steel Strap
26		1/4" Galv. Nut, Bolt And Washer

■ For Trade Size See Table Below  
 ▲ When Required By Plans Or Special Provisions

**CONDUCTOR & CONDUIT SIZE REQUIREMENTS**

Ampere Capacity	Service		Grounding	
	Conductors	Conduit	Conductors	Conduit
60	# 6	1 1/2"	# 8	1/2"
100	# 1	1 1/2"	# 6	1/2"
150	2/0	2"	# 4	3/4"
200	4/0	2 1/2"	# 2	3/4"

DESIGN APPROVED <i>Richard Brown</i> 7/24/65	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DRAWINGS	REV.
APPROVED FOR DISTRIBUTION <i>P. J. [Signature]</i>	240/480 V. SERVICE	DRAWING NO. T.S. 15-3