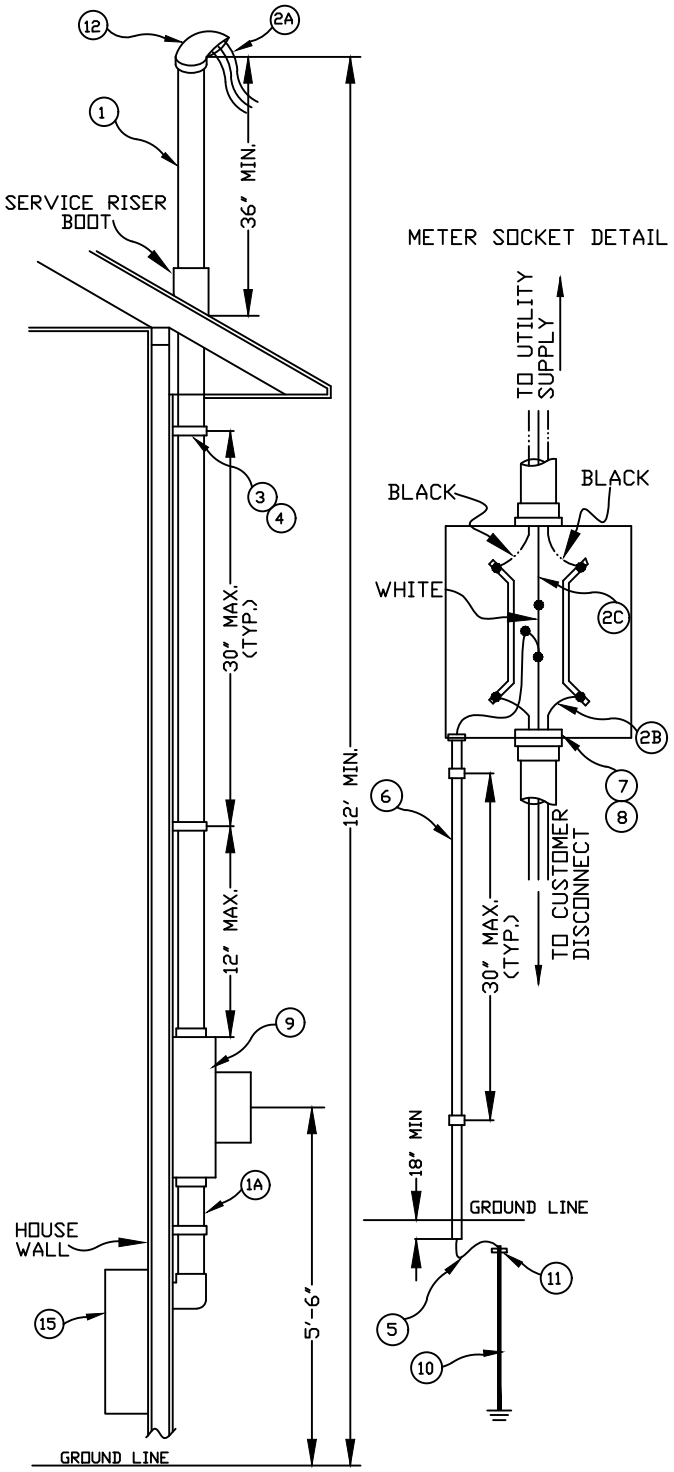

Reference Number	Description	Quantity	100 Amp	200 Amp	400 Amp
1	Riser Conduit, Rigid galvanized, Aluminum, (Schedule 40 PVC allowed if anchor point is on structure located at least 12' above final grade)	as needed	1-1/2"	2"	3"
1a	Load Side Conduit, Rigid galvanized, Aluminum or Schedule 40 PVC	as needed	1-1/2"	2"	3"
2a	Line Side Conductor (Must provided minimum of 3' free conductor outside of weather head)	as needed	#2 Copper #1/0 Aluminum	#3/0 Copper #4/0 Aluminum	# 500 MCM Copper #750 MCM Aluminum
2b	Load Side Conductor	as needed	#2 Copper #1/0 Aluminum	#3/0 Copper #4/0 Aluminum	# 500 MCM Copper #750 MCM Aluminum
2c	Neutral Conductor	as needed	#4 Copper # 2 Aluminum	#1/0 Copper #2/0 Aluminum	Copper #4/0 Aluminum
3	Conduit Strap, 2 hole metal strap	as needed (installed 30" apart)	1-1/2"	2"	3"
4	Lag Screw	as needed	As required		
5	Equipment Grounding Conductor	as needed	# 6 Soft Drawn Copper	# 4 Soft Drawn Copper	# 4 Soft Drawn Copper
6	Equipment Grounding Conductor Conduit	as needed	1/2" Schedule 80 PVC		
7	Bushing, PVC or Steel	3	(2) 1-1/2" + (1) 1/2"	(2) 2" + (1) 1/2"	(2) 3" + (1) 1/2"
8	Galvanized Locknuts (Galvanized Rigid, Aluminum Conduit)	3	(2) 1-1/2" + (1) 1/2"	(2) 2" + (1) 1/2"	(2) 3" + (1) 1/2"
8	Galvanized Locknuts (PVC Conduit)	3	(2) 1-1/2" + (1) 1/2"	(2) 2" + (1) 1/2"	(2) 3" + (1) 1/2"
9	Meter Base With Hub	1	Lever Bypass OH Feed Supplied by the customer		
10	Ground Rod (Copper Clad Steel installed 6" below final grade)	1	8' x 5/8"	8' x 5/8"	10' x 3/4"
11	Ground Rod Clamp	1	5/8"	5/8"	3/4"
12	Weather Head (Maleable aluminum for Galvanized Rigid or Aluminum Conduit, Plastic for PVC)	1	1-1/2"	2"	3"
13	Conduit Nipple	1	1-1/2"	2"	3"
14	Weather Proof Disconnect With Hub, as Required by NEC	1	100 Amp	200 Amp	400 Amp
15	Main Breaker or Fuse	1	100 Amp	200 Amp	400 Amp

NOTES:

A. All work should be done in accordance with all national, state, and local codes.
B. Line and Load side neutral conductors must be clearly marked with white tape.
C. Line side conductors and equipment are from the top of the meter base to the utility point of connection
D. Load side conductors and equipment are from the bottom of the meter base to the customers' premises.
E. Neutral conductor extends continiously from the neutral lug of the main disconnect through the meter base and on to the weatherhead.
Exception: The neutral conductor is permitted to be seperated in the meter base only if the meter base has double lugs for the neutral connection
F. The neutral conductor should not automatically reduce two sizes. If there are no 240-volt loads the neutral shall be the same size as the line conductors because it will carry the same current.
G. The equipment grounding conductor (EGC) shall terminate at the grounding lug of the meter base and should be connected directly to the ground rod without passing through the disconnect. When a metal conduit nipple is used between the meter base and the main disconnect the green bonding screw must be in place. When a PVC conduit nipple is used between the meter base and the main disconnect it is permissable for the EGC to pass through the disconnect to connect directly to the ground rod. The main disconnect shall be bonded to the EGC and the green bonding screw must be in place.
H. Leave (3) feet of free conductor outside the weatherhead.
I. The main disconnect may be a circuit breaker, fused disconnect, or double throw disconnect.
J. If PVC conduit is used, schedule 40 may be used from the meter base to the disconnect or main breaker.
K. An insulated bushing is required at the end of each conduit.
L. Riser must extend through the eave (3) feet above roof line unless the point of connection is above (12) feet above final grade.
Risers extending through the eave must be Rigid Galvanized conduit.
M. Point of connection must be at least (12) feet above final grade.
N. Installation must be 3' away from doors and windows.

MT. CARMEL PUBLIC UTILITY COMPANY
METER STANDARDS

SINGLE PHASE, 3-WIRE, 120/240 VOLT
RESIDENTIAL OR COMMERCIAL OVERHEAD SERVICE
SOCKET TYPE, 100-400 AMP, STRUCTURE MOUNT INSTALLATION