

TYPICAL CUSTOMER OWNED TEMPORARY
POLE WITH METER SOCKET INSTALLATION

SEE SHEET 3 OF 4 AND SHEET 4 OF 4 FOR EQUIPMENT LEGEND AND CHECKLIST

CITY OF MARSHALL
MUNICIPAL ELECTRIC UTILITY
SINGLE PHASE 200A TEMPORARY
OVERHEAD RISER INSTALLATION ON
CUSTOMER OWNED POLE

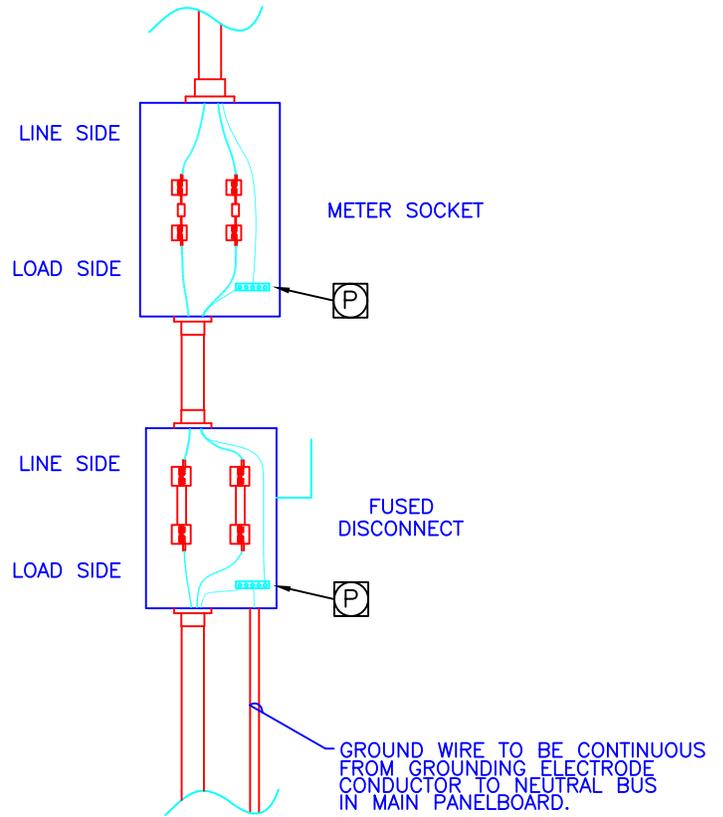
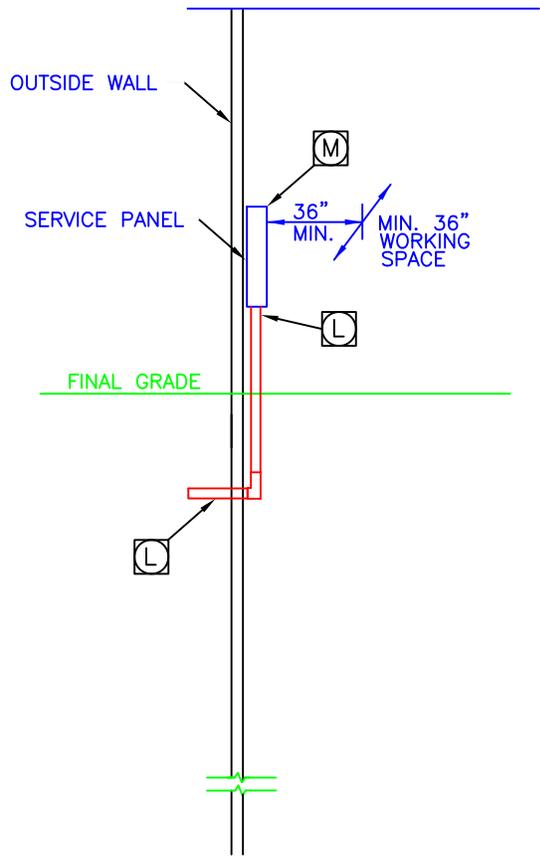
PCSI
CONSULTANTS AND ENGINEERS
1207 REMMINGTON, SUITE B
SCHAUMBURG, IL 60173

PHONE (847) 884-8251
FAX (847) 884-8260

STANDARD:

TEMP1

SHEET 1 OF 4



SEE SHEET 3 OF 4 AND SHEET 4 OF 4 FOR EQUIPMENT LEGEND AND CHECKLIST

CITY OF MARSHALL
 MUNICIPAL ELECTRIC UTILITY
 SINGLE PHASE 200A TEMPORARY
 OVERHEAD RISER INSTALLATION ON
 CUSTOMER OWNED POLE

PCSI
 CONSULTANTS AND ENGINEERS
 1207 REMINGTON, SUITE B
 SCHAMBURG, IL 60173

PHONE (847) 884-8251
 FAX (847) 884-8260

STANDARD:
TEMP1

SHEET 2 OF 4

EQUIPMENT LEGEND AND CHECKLIST

- (A) ELECTRIC UTILITY SERVICE CONDUCTORS AND DEAD-END CONNECTOR (BY UTILITY)
- (B) WEATHERHEAD SUITABLE FOR RIGID GALVANIZED STEEL, SCHED. 40 CONDUIT
- (C) RIGID GALVANIZED STEEL CONDUIT AND CONDUCTORS
200 AMP – 2-#3/0 PHASE AND 1-#3/0 NEUTRAL THWN COPPER CONDUCTORS
IN 2 INCH PIPE (IDENTIFY NEUTRAL WITH WHITE TAPE)

THE USE OF COPPER CONDUCTOR IS REQUIRED FOR ALL SERVICE ENTRANCE
INSTALLATIONS.
SERVICE CONDUIT IS NOT TO BE USED AS PULL-OFF STRUCTURE.
- (D) 2" WEATHERPROOF RGS THREADED CONDUIT CONNECTIONS (TYPICAL ALL EXTERNAL FITTINGS)
- (E) 2-HOLE GALVANIZED CONDUIT STRAPS (TYPICAL EVERY 5 FEET)
- (F) 2" THREADED METER SOCKET HUB CONNECTOR, COMPATIBLE WITH METER SOCKET
- (G) INSULATED RIGID GALVANIZED STEEL BUSHING CONNECTOR
- (H) 200 AMP METER SOCKET BY OWNER
(METER BY UTILITY)

200 AMP METER SOCKET – MILBANK CAT. NO. U7040-XL OR ANCHOR CAT. NO.
URS1394HP OR DURHAM CAT. NO. RS213N
OVER 200 AMP – CONSULT UTILITY DEPT.

METER SOCKET MUST BE RIGIDLY SECURED TO WOOD POLE BY USE OF CHANNELS.

PROVIDE A MINIMUM OF 36" OF HORIZONTAL WORKING SPACE IN FRONT OF
METER SOCKET.
- (I) 3/4" RIGID GALVANIZED STEEL CONDUIT WITH CONTINUOUS GROUND ELECTRODE CONDUCTOR
FOR: 200 AMP SERVICE – NO. 4 INSULATED COPPER GROUND WIRE

CONDUIT TO INCLUDE SUITABLE CONNECTOR AT END TO PREVENT GROUND
WIRE FROM BEING PULLED OUT OF METER SOCKET.
BOND GROUND CONDUCTOR TO FUSED DISCONNECT AND METER SOCKET
EXTEND CONTINUOUSLY TO NEUTRAL BUS IN MAIN PANELBOARD

CITY OF MARSHALL
MUNICIPAL ELECTRIC UTILITY
SINGLE PHASE 200A TEMPORARY
OVERHEAD RISER INSTALLATION ON
CUSTOMER OWNED POLE

PCSI
CONSULTANTS AND ENGINEERS
1207 REMMINGTON, SUITE B
SCHAUMBURG, IL 60173

PHONE (847) 884-8251
FAX (847) 884-8260

STANDARD:

TEMP1

SHEET 3 OF 4

EQUIPMENT LEGEND AND CHECKLIST (CONT.)

- J** GROUND ROD CONNECTOR (MUST BE VISIBLE)
JOSLYN CAT. NO. J8392, OR APPROVED EQUIVALENT
- K** 5/8" X 8' COPPERWELD GROUND ROD MIN. 12" AWAY FROM FOOT OF POLE
IN UNDISTURBED SOIL.
- L** RIGID GALVANIZED STEEL, SCHED. 40 CONDUIT AND FITTINGS WITH CONDUCTORS
200 AMP - 2-#3/0 PHASE AND 1-#3/0 NEUTRAL THWN COPPER CONDUCTORS
IN 2 INCH RGS CONDUIT (IDENTIFY NEUTRAL WITH WHITE TAPE)
100 AMP - 2-#3 PHASE AND 1-#3 NEUTRAL THWN COPPER CONDUCTORS
IN 1-1/4 INCH RGS CONDUIT (IDENTIFY NEUTRAL WITH WHITE TAPE)
(A 100 AMP SERVICE WILL BE ONLY BE ALLOWED FOR SERVICE UPGRADES)
- M** CONDUCTORS TO PANELBOARD WITH MAIN LUGS ONLY (MLO)
(PANELBOARD TO BE LOCATED NO FUTHER THAN 5 FEET FROM POINT OF SERVICE
ENTRANCE INTO THE INTERIOR OF THE BUILDING)

PANELBOARD TO BE SOLIDLY SECURED TO WALL AT TOP AND BOTTOM
PROVIDE MINIMUM OF 36" OF HORIZONTAL WORKING SPACE IN FRONT OF PANELBOARD
- N** FUSED 200 AMP NEMA 3R DISCONNECT (BY OWNER)
PROVIDE MINIMUM OF 36" OF HORIZONTAL WORKING SPACE IN FRONT OF FUSED DISCONNECT.
- O** CUSTOMER PROVIDED AND INSTALLED PRESSURE TREATED SOUTHERN YELLOW
PINE OR WESTERN RED CEDAR POLE (CLASS 5 OR BETTER) PER CITY REQUIREMENTS.
- P** NEUTRAL BONDING TERMINAL
- Q** DOWN GUY AND ANCHOR INSTALLED PER CITY REQUIREMENTS. PROVIDE AND
MAINTAIN YELLOW GUY GUARDS AS PROTECTOR.