



NOTE: TRANSFORMER MAY BE MOUNTED IN A CONTROLLER CABINET OR PEDESTAL OR INSIDE A WEATHER-PROOF STRUCTURE

NOTE: COMMUNICATION WIRES MUST BE CONNECTED IN LINEAR FASHION FROM THE COMPUTER THROUGH THE MSP-1 AND TO THE WEATHER STATION.

- ① FLANGE FROM WEATHER STATION POLE
- ② #10 GAUGE GROUND WIRE FROM WEATHER STATION TO GROUNDING GRID
- ③ TWO (2) LONG SWEEP ELBOWS (ONE WITH COMMUNICATION WIRE, HIDDEN).
- ④ WEATHER STATION ANCHOR BOLT (1 OF 3)
- ⑤ CONCRETE PAD FOR WEATHER STATION
- ⑥ 16 VAC POWER CABLE FURNISHED WITH WEATHER STATION. MARKED P/N 9922, 2 CONDUCTOR CABLE WITH BLACK & RED PAIR OF WIRES
- ⑦ COMMUNICATION CABLE FURNISHED WITH WEATHER STATION. MARKED P/N 9720 "ET SHORT HAUL", "COMM".
CABLE WIRING:
"+XMT" - RED
"-XMT" - BLACK
"+RCV" - GREEN
"-RCV" - WHITE
- ⑧ DBY CONNECTOR (TYPICAL)
- ⑨ FINISH GRADE
- ⑩ VALVE BOX WITH COVER: 18" X 24"
- ⑪ 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- ⑫ BRICK (1 OF 4)
- ⑬ 5/8" DIA. X 8'-0" LONG COPPER CLAD GROUNDING ROD, PART OF THREE ROD GROUNDING GRID.
- ⑭ CONNECT GROUND WIRE TO GROUND ROD USING A BRASS CLAMP
- ⑮ DRAIN WIRE BF BELDEN CABLE TO BE GROUNDED TO THE GROUND ROD
- ⑯ BELDEN #9883 DIRECT BURIAL COMMUNICATION CABLE FROM CENTRAL COMPUTER. THREE (3) TWISTED PAIR (20 GAUGE), BARE COPPER DRAIN WIRE AND ALUMINUM SHIELD
- ⑰ BLACK AND WHITE PAIR TO BE LEFT FOR SPARE
- ⑱ GREEN (+RCV) AND WHITE (-RCV) PAIR TO BE CONNECTED TO RED AND BLACK WIRES RESPECTIVELY OF ONE OF THE MSP-1 SURGE ARRESTORS
- ⑲ RED (+XMT) AND BLACK (-XMT) TO BE CONNECTED TO RED AND BLACK WIRES RESPECTIVELY OF ONE OF THE MSP-1 SURGE ARRESTORS
- ⑳ MGP-1 GROUNDING PLATE ASSEMBLY WITH TWO (2) MSP-1 SURGE ARRESTORS
- ㉑ MGP-1 GROUNDING PLATE ASSEMBLY WITH ONE (1) MSP-1 SURGE ARRESTOR
- ㉒ 16 VAC POWER WIRING FROM TRANSFORMER. CONNECT WIRING TO TRANSFORMER SCREW TERMINALS USING LOCKING FORK SPADE LUGS. CONNECT WIRE FROM TRANSFORMER TO MSP-1 SURGE ARRESTOR.
- ㉓ 12-INCH X 12-INCH ENCLOSURE (NEMA 3)
- ㉔ 120/16 VAC TRANSFORMER
- ㉕ WIRING FROM 120 VAC POWER SUPPLY