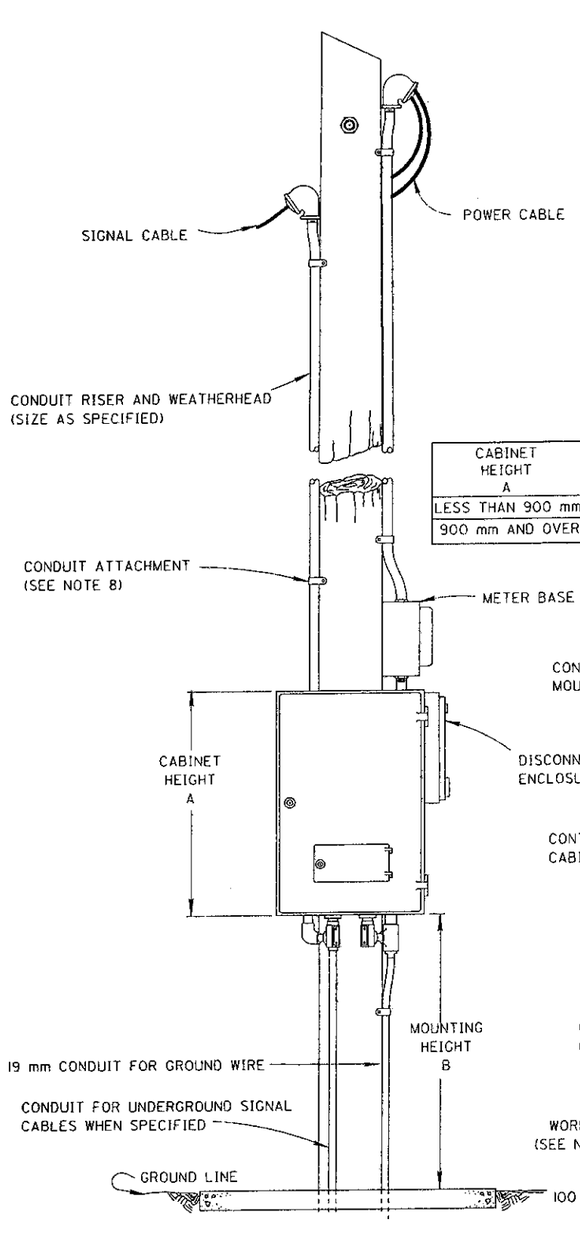
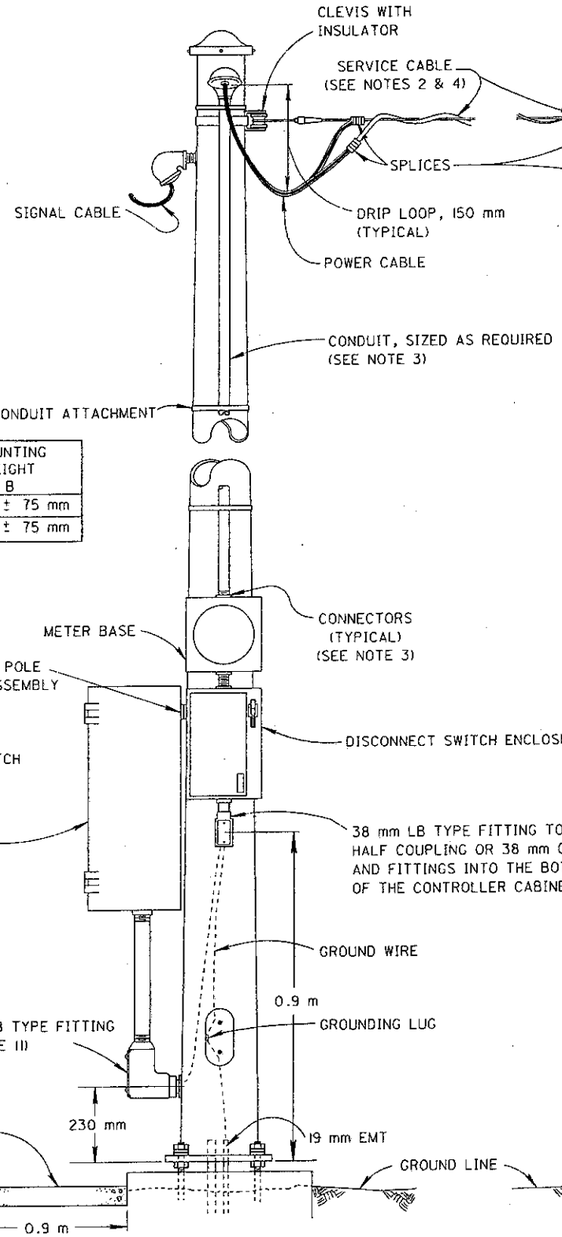
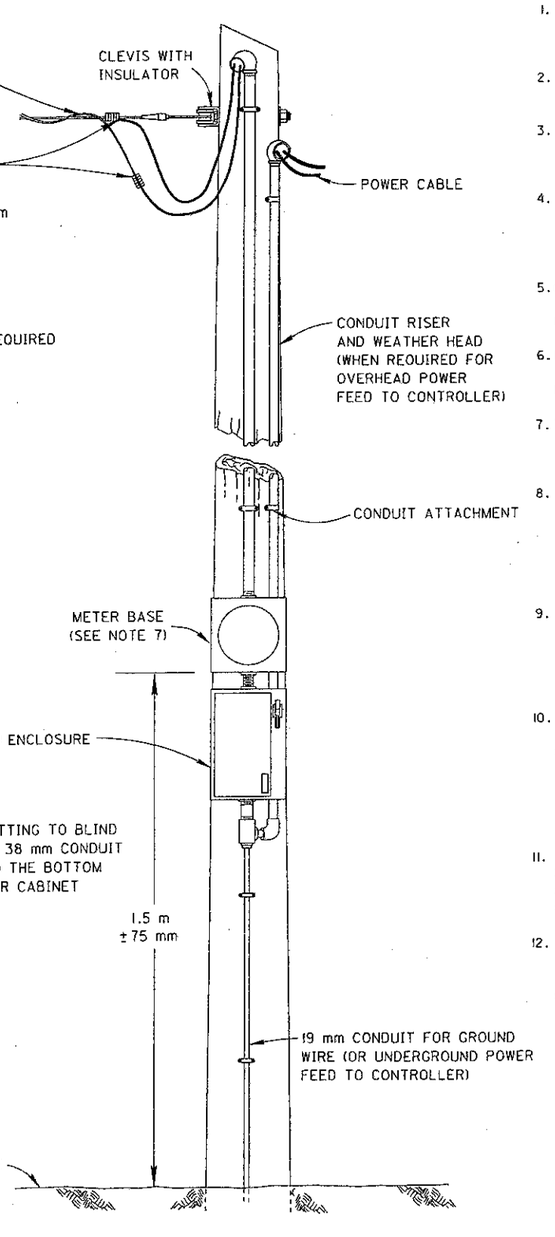


CABINET HEIGHT A	MOUNTING HEIGHT B
LESS THAN 900 mm	760 mm ± 75 mm
900 mm AND OVER	580 mm ± 75 mm

POWER SERVICE AND CONTROLLER
MOUNTING ON WOOD POLES



POWER SERVICE AND CONTROLLER
MOUNTING ON NEW STEEL POLES
(SEE NOTE 6)



POWER SERVICE

NOTES

1. ALL CONDUIT FITTING ENTRIES FOR CONTROLLERS AND POWER SERVICE EQUIPMENT IN PROPOSED STEEL POLES SHALL BE ATTACHED BY A BLIND HALF COUPLING WELDED INTO THE POLE PRIOR TO GALVANIZING.
2. SERVICE CABLE ATTACHMENT ON WOOD POLES SHALL BE BY A 16 mm THRU-BOLT AND CLEVIS; ON STEEL POLES BY A BANDED CLEVIS.
3. IF BOTH THE METER AND DISCONNECT SWITCH ARE NOT REQUIRED ON A STEEL POLE, THE POWER CABLE SHALL ENTER THE CONTROLLER THROUGH A CONDUIT RISER, EXTERNAL TO THE POLE.
4. THE SERVICE CABLE AND CABLE SPLICES TO THE POWER CABLE FOR THE INCOMING POWER SUPPLY SHALL BE INSTALLED BY THE POWER SUPPLYING AGENCY UNLESS OTHERWISE SPECIFIED. THE POLE ATTACHMENT HARDWARE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
5. ORIENTATION OF THE CABINET, METER AND DISCONNECT SWITCH ENCLOSURE SHALL BE ARRANGED TO MINIMIZE EXPOSURE TO THE STREET SIDE AND ALSO MINIMIZE ENCROACHMENT ON SIDEWALKS, UNLESS OTHERWISE SHOWN ON THE PLANS.
6. POWER AND CONTROLLER SERVICE ADDED TO EXISTING STEEL POLES SHALL BE SIMILAR TO THAT SHOWN FOR THE WOOD POLE WITH THE EXCEPTION OF THE ATTACHMENT HARDWARE.
7. THE METER BASE SHALL BE FURNISHED BY THE POWER SUPPLYING AGENCY AND SHALL BE INSTALLED BY THE CONTRACTOR WHEN METERING IS REQUIRED. THE TOP OF THE METER BASE SHALL NOT EXCEED 1.8 METERS ABOVE THE GROUND.
8. CONDUIT ATTACHMENT SHALL BE BY MEANS OF TWO HOLE CONDUIT STRAPS WITH A MAXIMUM SPACING OF 1.5 m. MINIMUM FASTENER REQUIREMENTS ARE AS FOLLOWS: WOOD POLES- 6.4 mm X 76 mm LONG LAG SCREWS, # 14 X 76 mm LONG ROUND HEAD SCREWS, OR 20d SPIKES; STEEL POLES- 6.4 mm SCREWS, SELF TAPPING OR WITH DRILLED AND TAPPED HOLE. IN LIEU OF CONDUIT CLAMPS, 19 mm WIDE PASSIVATED STAINLESS STEEL BANDING MAY BE USED ON STEEL POLES.
9. CONDUIT CONNECTIONS AT THE TOP AND BOTTOM OF THE DISCONNECT SWITCH ENCLOSURE AND METER BASE SHALL BE WATERTIGHT AND SHALL USE THE HUBS LISTED ON THE ENCLOSURE AND METER BASE U. L. LABELS. CONDUIT SHALL BE BENT TO ALLOW THE CONDUIT TO ENTER STRAIGHT INTO THE ENCLOSURE OR METER BASE, AND TO PROVIDE SPACE FOR THE WEATHERHEAD WHEN THE RISER IS PULLED TIGHT AGAINST THE POLE.
10. 1.2 m X 0.9 m X 100 mm WORK PAD SHALL BE LOCATED BELOW EACH POLE MOUNTED CONTROLLER CABINET UNLESS LOCATED IN AN OTHERWISE PAVED AREA. WHEN REQUIRED, THIS ITEM SHALL BE PAID FOR UNDER ITEM 633, CONTROLLER WORK PAD. IN LEVEL AREAS, THE TOP OF THE PAD SHALL BE 25 mm ABOVE THE GROUND LINE. IN STEEPLY SLOPED AREAS, THE PAD'S LOCATION SHALL BE ADJUSTED TO PROVIDE ACCESS AND DRAINAGE WHILE COMPLYING WITH THE REQUIRED CONTROLLER CABINET MOUNTING HEIGHT.
11. THE HORIZONTAL ORIENTATION OF THE HANDHOLE RELATIVE TO THE 64 mm BLIND HALF COUPLING FOR THE CONTROLLER SHALL BE AS REQUIRED BY THE PLANS, EXCEPT THEY SHALL NOT BE CLOSER THAN 90°. INSTALL LB FITTING BEFORE ERECTING POLE.
12. WHEN CONDUIT RISERS ARE REQUIRED TO BE ATTACHED TO UTILITY COMPANY WOOD POLES, AND THE UTILITY COMPANY'S POLICY REQUIRES NON-METALLIC CONDUIT, THE CONDUIT RISERS SHALL CONFORM WITH NEMA STANDARDS PUBLICATION NO. TC-2 FOR PVC CONDUIT TYPE EPC-40.

METRIC

BUREAU OF DESIGN SERVICES
DIVISION OF HIGHWAYS
OHIO DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL	DATE 11-24-93
POLE MOUNTINGS FOR CONTROLLERS AND POWER SERVICE	
STANDARD CONSTRUCTION DRAWING TC-83.10M	
APPROVED _____ ENGR. OF DESIGN SERVICES	

WCC