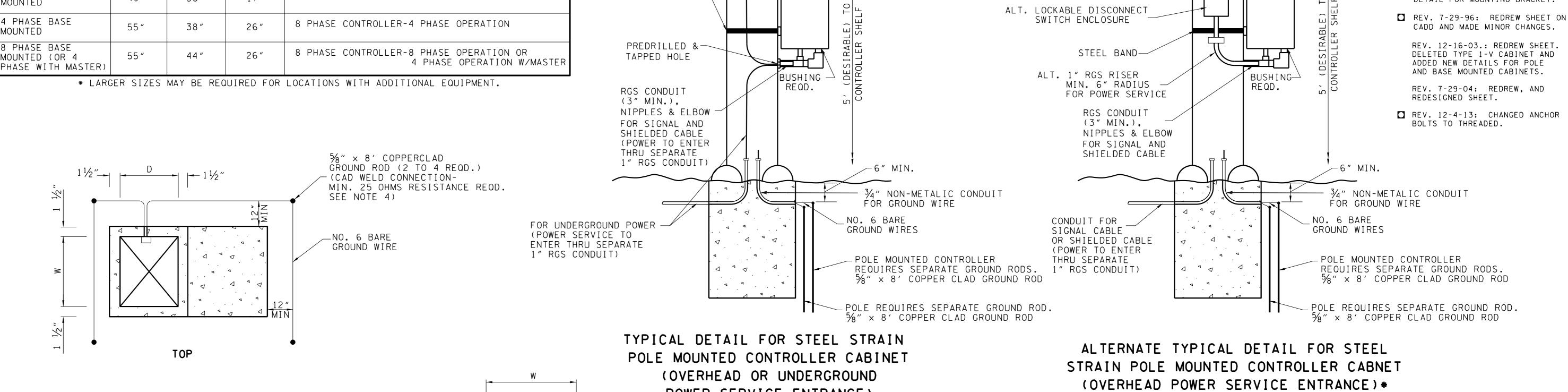
| APPROXIMATE MINIMUM DIMENSIONS FOR CONTROLLER EQUIPMENT CABINET * | | | | |
|---|-----------|----------|----------|---|
| TYPE | HEIGHT(H) | WIDTH(W) | DEPTH(D) | USE |
| 4 PHASE POLE MOUNTED | 49″ | 30″ | 17" | 8 PHASE CONTROLLER-4 PHASE OPERATION |
| 4 PHASE BASE MOUNTED | 55″ | 38″ | 26″ | 8 PHASE CONTROLLER-4 PHASE OPERATION |
| 8 PHASE BASE MOUNTED (OR 4 PHASE WITH MASTER) | 55″ | 44" | 26″ | 8 PHASE CONTROLLER-8 PHASE OPERATION OR 4 PHASE OPERATION W/MASTER |



STEEL POLE —

STEEL BANDS

FOR OVERHAED POWER

(POWER SERVICE TO

WEATHERHEAD AND

RUN INTERNALLY)

ENTER THRU SEPARATE

POLE MOUNTED

CONTROLLER CABINET

ALT. ATTACH CONDUIT-

TO STEEL POLE

STEEL BAND

(IF REOD.)

ALT. METER BOX

POWER SERVICE ENTRANCE) (SEE SHEET T-SG-10 FOR FOUNDATION DETAILS) BASE MOUNTED-CONTROLLER CABINET ANCHOR BOLTS SEE T-SG-10 | | | | | | | | | # | | | | | | | # 3/4" NON-METALLIC CONDUIT FOR NO. 6 BARE GROUND WIRE GROUND WIRE MIN.<u>▼</u> || || || -NO. 6 BARE GROUND WIRE 4 6 6 - CLASS A CONCRETE CONDUIT AS REQD. %" × 8' COPPER CLAD 3′ MIN. GROUND ROD 4 REQ'D. PLUS ONE SPARE (CAD WELD CONNECTIONS-(POWER TO ENTER THRU SEPARATE MIN. 25 OHMS SIDE 1" RGS CONDUIT) RESISTANCE REQD.) FRONT CABLES IN CONDUIT. (TYPE & NO. MAY VARY, SEE PLANS.) ONE EXTRA CONDUIT REQ'D. TO BE STUBBED AND CAPPED 12" BEYOND TYPICAL DETAIL OF BASE FOR CONTROLLER CABINET FOUNDATION.

(SEE SHEET T-SG-10 FOR FOUNDATION DETAILS) * TYPICAL POWER SERVICE TO BE RUN INTERNALLY

DOWN POLE FROM WEATHERHEAD AT TOP OF POLE.

RGS CONDUIT (2" MIN.), CONDUIT STRAPS-NIPPLES & ELBOW FOR SIGNAL CABLE (24" O.C.) 12" MIN. STANDARD WOOD POLE STEEL BAND-CHANNEL POLE MOUNTED CONTROLLER CABINET METER BOX (IF REQD.) BANDING TOP 足 LOCKABLE DISCONNECT SWITCH ENCLOSURE 4" SLOTTED FOR STEEL BAND-BANDING 1" RGS CONDUIT MIN. 6" RADIUS — REQD. FOR POWER SERVICE -¾" CONDUIT FRONT FOR CABINET SIDE GROUND WIRE MOUNTING BRACKET

(TWO PER CABINET)

FOR POLE MOUNTED CONTROLLER CABINET

BASE MOUNTED CABINET NOTES:

- 1. THE BASE MOUNTED CABINET IS TO BE SITUATED IN THE OPTIMUM POSITION FOR VIEWING THE CONTROLLER OPERATION AND THE ON STREET SIGNAL DISPLAYS SIMULTANEOUSLY.
- 2. ALL CONDUIT TO UTILIZE LARGE SWEEP RADII (MINIMUM 6" RADIUS).
- 3. FOUNDATIONS TO HAVE ONE SPARE 2" CONDUIT. SPARE CONDUIT TO EXTEND 24" BEYOND FOUNDATION AND BE CAPPED.
- 4. UP TO 4 GROUND RODS MAY BE REQUIRED. CONTRACTOR TO INSTALL NUMBER OF GROUND RODS REQUIRED TO ACHIEVE MINIMUM 25 OHMS RESISTANCE A MINIMUM OF 2 GROUND RODS ARE REQUIRED.

REQUIRES SEPARATE GROUND RODS. DEPARTMENT OF TRANSPORTATION 5/8" × 8' COPPER CLAD GROUND ROD CONTROLLER POLE REQUIRES SEPARATE GROUND ROD.

CABINET DETAILS

☐ MINOR REVISION -- FHWA

APPROVAL NOT REQUIRED.

STATE OF TENNESSEE

T-SG-5 JAN 1970

REV. 6-7-72: ADDED NOTE CONCERNING POLE MOUNTED

REV. 7-1-72: CHANGED

FROM TR-S-4 TO T-SG-5.

REV. 1-1-76: CHANGED DWG. NO.

REV. 4-12-85: REVISED NOTE UNDER APPROX. CAB. DIM. ADDED DETAIL FOR MOUNTING BRACKET.

DEPARTMENT NAME.

CABINETS.

-STEEL POLE

POLE MOUNTED

CONTROLLER

CABINET

TYPICAL DETAIL FOR WOOD POLE MOUNTED CONTROLLER CABINET

NO. 6 BARE

GROUND WIRES

6" MIN.

POLE MOUNTED CONTROLLER

- 5%" × 8' COPPER CLAD GROUND ROD