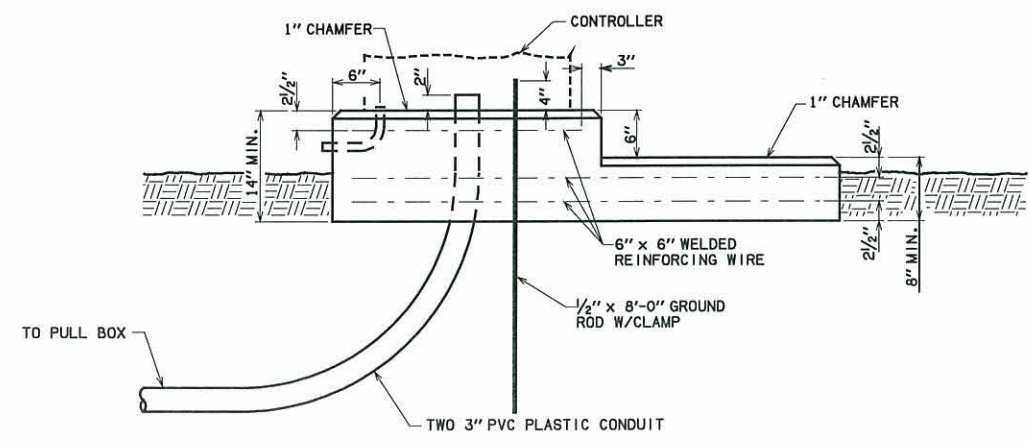


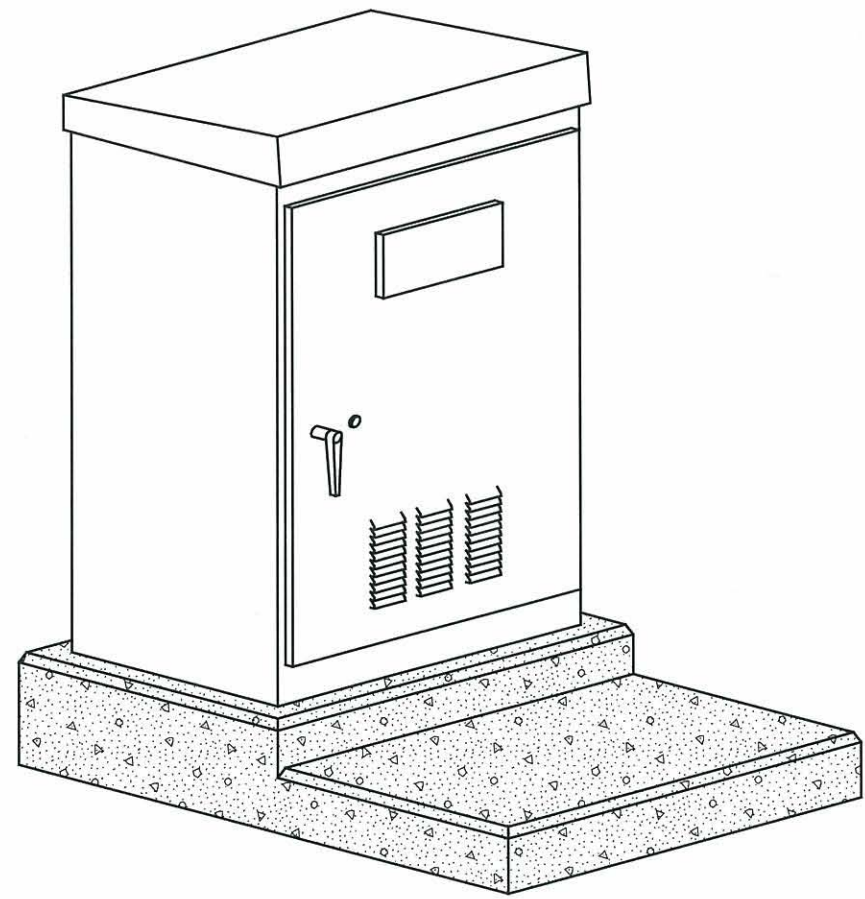
TOP VIEW

\* VARIABLE DIMENSIONS WILL BE DETERMINED BY THE SIZE OF CONTROLLER REQUIRED FOR THIS PROJECT

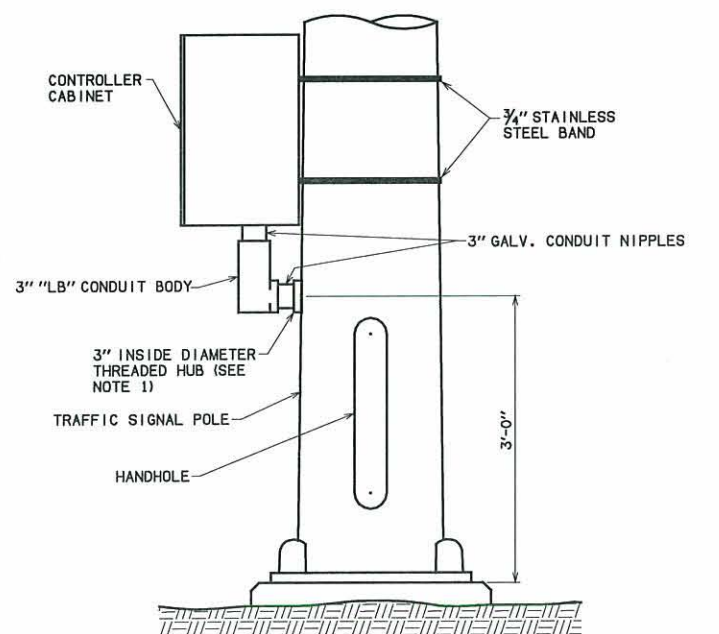


SIDE VIEW

CONCRETE CONTROLLER PAD DETAIL



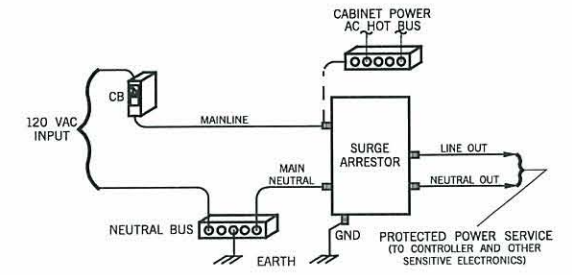
TYPICAL CONTROLLER CABINET INSTALLATION



TYPICAL POLE MOUNTED CONTROLLER CABINET

- MATERIAL SPECIFICATIONS**
- MATERIALS REQUIRED FOR THE CONTROLLER CABINET FOUNDATION, AND ALL PERTINENT EQUIPMENT AND ASSEMBLY SHALL BE INCLUDED IN THE PRICE BID FOR THE CONTROLLER.
  - THE CONTROLLER CABINET FOUNDATION SHALL BE CLASS "A" CONCRETE & 6" X 6" WELDED REINFORCING WIRE SHALL BE PAID FOR WITH THE CONCRETE.
  - A MINIMUM OF 4 EXPANSION BOLTS ARE REQUIRED, 1/2" X 4 1/2" STAINLESS STEEL KWIK BOLT WITH A MIN. EMBEDMENT OF 3/4". SHALL BE USED TO MOUNT THE CONTROLLER CABINET TO THE CONCRETE PAD.
  - THE CONTROLLER CABINET SHALL BE INSTALLED ON TOP OF SILICANT RUBBER CAULKING COMPOUND FOR WEATHERPROOFING OF THE CABINET.
  - MINIMUM PAD MOUNTED CONTROLLER CABINET SIZE SHALL BE 3'-2 1/2" X 4'-6" X 2'-2" (W X H X D). CABINETS SHALL BE MANUFACTURED WITH TWO DOOR UNLESS OTHERWISE SPECIFIED IN THE PLANS.
  - 1/C NO. 6 AWG ELECTRICAL CONDUCTOR SHALL BE USED TO SUPPLY POWER FROM THE POWER SOURCE(S) TO THE CONTROLLER.
  - 1/C NO. 10 AWG SOLID BARE COPPER WIRE SHALL BE USED TO GROUND THE CONTROLLER CABINET TO THE GROUND ROD.
  - ALL ELECTRIC CONNECTIONS SHALL BE MADE WITH BURDY HYLUG OR AN APPROVED EQUAL.
  - A SURGE ARRESTOR SHALL BE FURNISHED IN EACH TRAFFIC SIGNAL CONTROLLER. THE ARRESTOR REQUIREMENTS ARE AS FOLLOWS:
 

PEAK CURRENT.....	20,000 AMPS
	(8 x 20 US WAVESHAPE)
LIFE TEST.....	5X CHANGE
	(VOLTAGE CLAMP BEFORE AND AFTER
	25 SURGES OF 20KA WAVESHAPE)
CLAMP VOLTAGE.....	250 V. TYPE 0 20KA
RESPONSE TIME.....	VOLTAGE NEVER EXCEEDS
	250 VOLTS DURING SURGE
CONTINUOUS SERVICE CURRENT.....	10 AMPS MAX.; 120 VAC. 60HZ
DIMENSION (INCHES).....	3.13 x 7.15 x 2.3
	(NOT INCLUDING GND(W x L x H)
OPERATING TEMPERATURE.....	-40C TO +85C



**GENERAL NOTES**

- THE POLE SHALL BE MANUFACTURED WITH A 3" INSIDE DIAMETER THREADED HUB. THIS HUB SHALL BE MADE AND INSTALLED TO MAINTAIN THE DESIGN STRENGTH OF THE POLE.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
804(A)	STRUCTURAL CONCRETE	CY
825	TRAFFIC SIGNAL CONTROLLER ASSEMBLY	EA



APPROVED BY  
TRAFFIC ENGINEER: *[Signature]* DATE: *8/25/10*

TRAFFIC STANDARD  
CONTROLLER CABINET DETAILS