1. All clearances and protective devices to be in conformance to the most stringent requirements of either the NESC, NEC or other codes of governmental or regulating authorities as applicable.

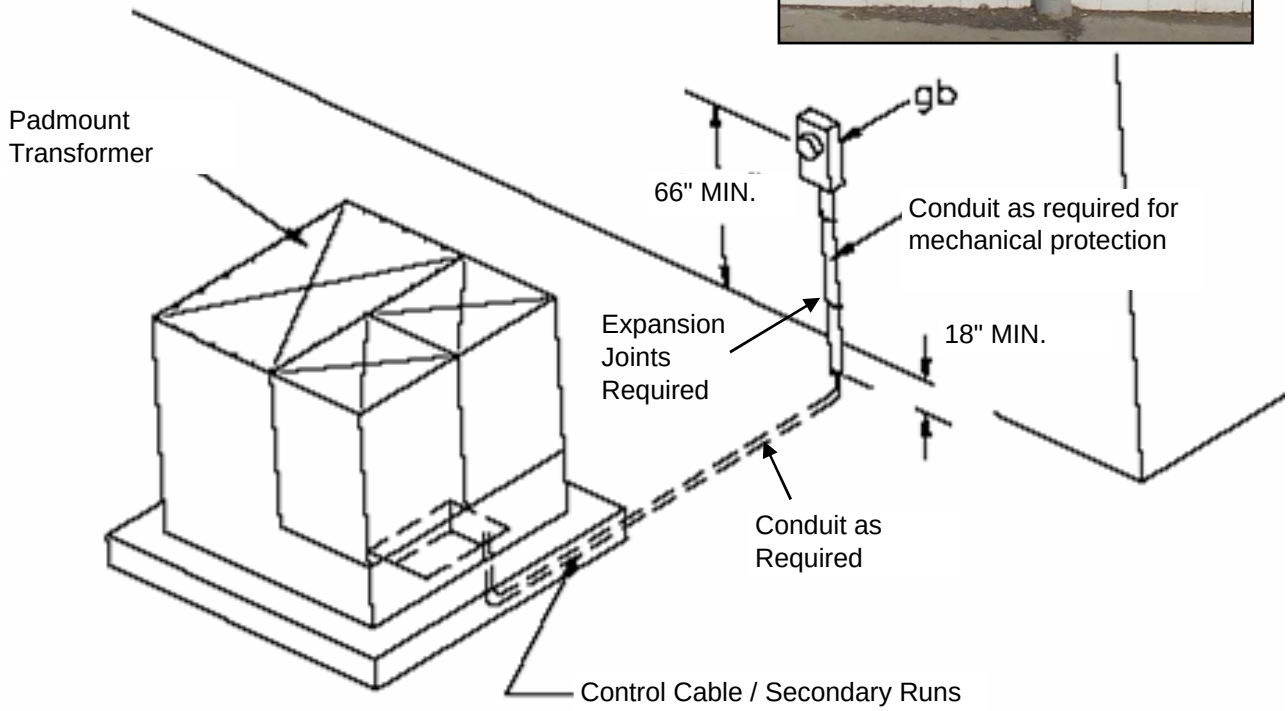
2. Preferred method for installation of metering is to mount meter socket on building wall.

3. Meter height shall be between 66" and 72" to center of meter.

4. Meter socket must not be attached directly to padmounted transformer.

5. Conduit shall be used for secondary control wires to meter socket.

6. Expansion joints required on Schedule 80 PVC.



MATERIALS LISTING

ITEM	DESCRIPTION	QTY	UNIT	PREC #
	4" Schedule 80 PVC	As Req.	Ft.	8245-4
	4" Straps	As Req.	Ea.	9160-4
	Bushing	As Req.	Ea.	
	Lock Ring	As Req.	Ea.	
gb	6T 400A Instrument Rated Single-Phase CT Enclosure	1	Ea.	8116-1
	Form 4S Class 20 240V, 120-240V, or 120-480V 3-Wire 1Ø Meter	1	Ea.	

Design Parameters:

> See design notes above.

> Expansion joints required on conduit

> 500 USE-2 Cu (430A rating) or 350 URD Al Triplex (415A rating) recommended for secondary conductors

Underground to Instrument Rated Meter Mounted on Building
120/240V 400A 3-Wire Single Phase Service (50kVA Transformer)

6/17/2008

Rev. 0

POWDER RIVER ENERGY CORPORATION

UM8-04IR