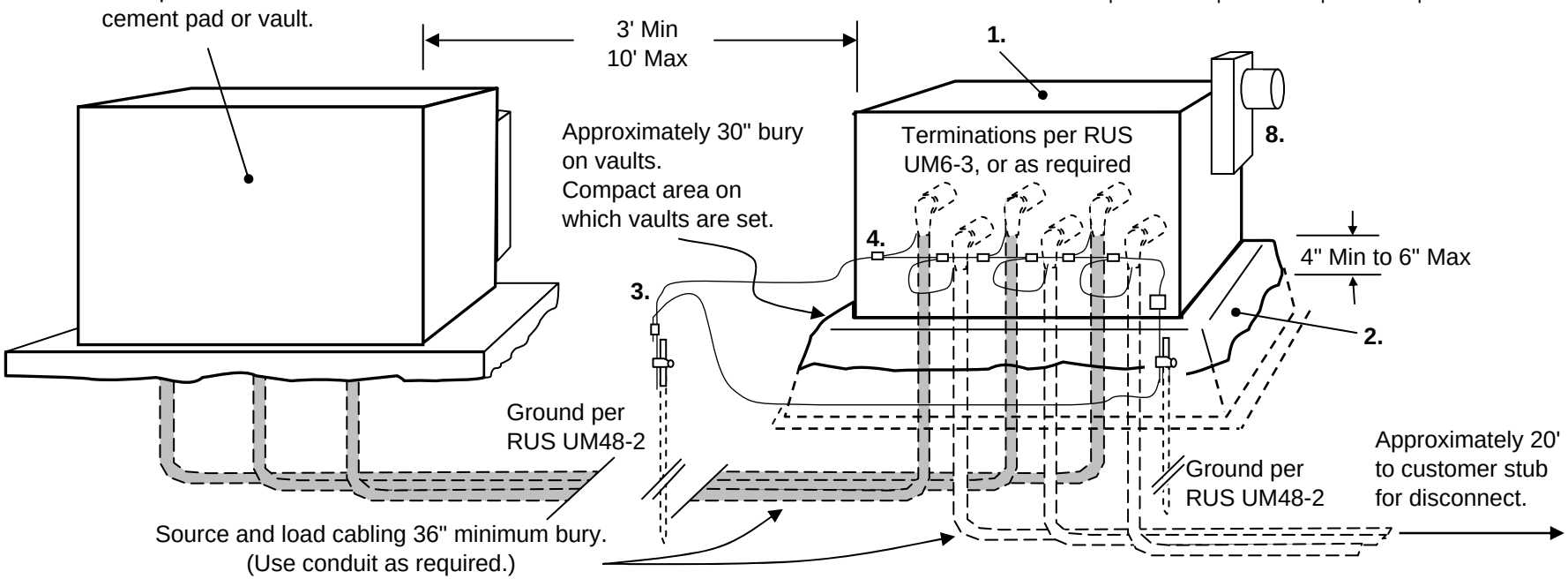
A) All clearances and protective devices to be in conformance to the most stringent requirements of either the NESC, NEC or other codes of governmental or regulating authorities as applicable.
B) Mount transformer and meter cabinet per manufacturer instructions. 2000kVA transformers and above will require cement pad or vault per UG17 specifications.



MATERIALS LISTING

ITEM	DESCRIPTION	QTY	UNIT	PREC #	ITEM	DESCRIPTION	QTY	UNIT	PREC #
1	3 Phase Padmount Meter Cabinet	1	Ea.						
2	Meter Cabinet Vault	1	Ea.						
3	#2 Stranded	30	Ft.						
4	#2 to #2 Burundy Copper Crimps	7	Ea.						
5	1-1/2" x 1/2" Bolts	4	Ea.						
6	1/2" Nuts	4	Ea.		8	Form 9S/8S Class 20 120V or 120-480V 4-Wire 3Ø Meter	1	Ea.	
7	Washers	4	Ea.						

Design Parameters:
1) Primary URD cabling size will depend upon application and load.
2) Six (6) Dead Break Elbows/Terminations as required, or per RUS UM6-3.
3) Trench tape and underground hazard/cable markers as required.
4) Ground per RUS UM48-2 using 2 ground rods .

4160V 600A Primary Underground Delivery Padmount Metering
2000kVA and Larger Padmount Transformers

10/28/08
RevA

POWDER RIVER ENERGY CORPORATION

UM8.7B-06