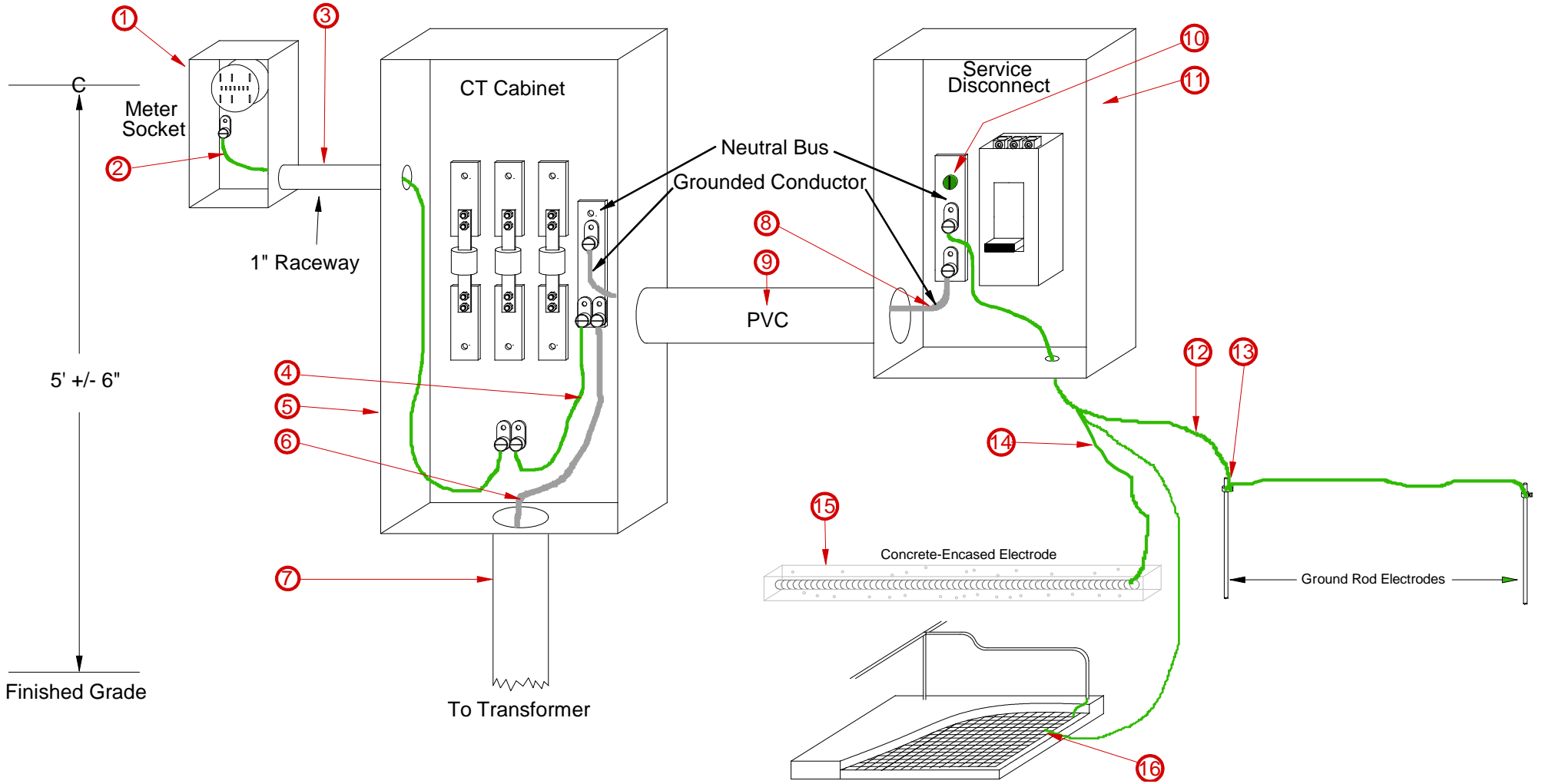


# Based on NEC 2011



-over-

		Oakdale Electric Cooperative	
Approved By: JS	02/02/2015	Bonding for Transformer Rated Metering Equipment	
Drawn: JS	10/07/2014		
Checked:			
Revision 1:			
Revision 2:			
Revision 3:		Sheet Size 11 x 8.5	Rev. 2.1
		CAD File: Bonding	
		Sheet [1] of [1]	

NO.	Description	Additional Notes
1	Oakdale Approved Socket	
2	Minimum of 8 AWG Copper	Utility Requirement
3	Minimum of a 1" Raceway NEC 312.2	Utility Requirement
4	NEC 250.102(C)	
5	Any Listed CT Cabinet Properly Sized	No Utility Preference
6	Grounded Service Conductor SHALL be Installed with Ungrounded Service Conductors NEC 250.24(C) NEC 250.31 NEC 300.3(B) NEC 300.5(I)	
7	NEC 230.50(B)(1), SPS 316.358 NEC 300.5(J) NEC 352.30(A)	
8	NEC 250.24(A)&(C) NEC 250.31	
9	NEC 312.2 NEC 250.92(B)	
10	Main Bonding Screw / Jumper NEC 250.24(B) NEC 250.28	
11	Listed Suitable as Service Disconnect NEC 110.9 NEC 230.66	
12	NEC 250.24(A)(1) NEC 250.64(B) NEC 250.66	
13	Ground Rod Electrodes SPS 316.250 NEC 250.50 NEC 250.52(A)(5) NEC 250.53(C)	
14	NEC 250.66(B)	
15	NEC 250.52(A)(3) NEC 250.104(C)	
16	NEC 547.10	

## METER APPLICATIONS/REQUIREMENTS

VOLTAGE	SERVICE AMPS	PHASE	CONFIGURATION	KW	FORM	SIEMENS-TALON	MILBANK	MIDWEST	ADDERS
120/240	100 - 200	1	3 WIRE DIRECT SOCKET	UNDER 50	2S	UAT417-XPQG ②	U1773-XL-TG-KK ②		
						40404-025 ①	U4801-XL ①		
120/240	100 - 200	1	DOUBLE 200 AMP	UNDER 50	2S	UA2717YPZ ②	U1252-X-KK-K1 ②		
Eaton Catalog No. 1008842-CH (UHTT-2R2332U) - Not Approved									
120/240	100 - 200	1	3 WIRE RESIDENTIAL PED	UNDER 50	2S	UAP317-PPWI ②	U3358-O-KK ②		
120/240	320	1	3 WIRE DIRECT SOCKET	UNDER 50	2SE	9804-8715 ①	U1797-O-K3L-K2L ①		Anti-Inversion Kit required
120/240	320 (RINGLESS)	1	3 WIRE RESIDENTIAL PED	UNDER 50	2SE	47604P-9WI ①	U1748-0-WI ①		K1350/K4802--Siemens #H59676
120/240	100 - 200	1	3 WIRE DIRECT PEDESTAL	UNDER 50	2S	UAP317-PPWI ②	U4322-0-5T9 ①		Milbank - Main Breaker Required
							U5925-0-200-KK ②		
120/240	100-200	1	3 WIRE PEDESTAL W/ BREAKER	UNDER 50	2S			R281C1P6H034 ①	
120/240	100-200	1	3 WIRE PEDESTAL W/ BREAKER	UNDER 50	2S		U5136-O-200S ②	R208CP6HP ②	
120/240	100-200	1	3 WIRE SOCKET W/ BREAKER	UNDER 50	2S			R281C1P6H ②	
120/240	400 - 800	1	3 WIRE UG 2 CT	UNDER 75	4S	9804-8544 or 9804-8548	U4490-XL		
120/208	100- 200	3	4 WIRE WYE	UNDER 75	16S	40407-025 ①	U9701-RXL ①		
277/480	100 - 200	3	4 WIRE WYE	UNDER 75	16S	40407-025 ①	U9701-RXL ①		
277/480	200	3	4 WIRE WYE	75-200	16S		U9107-0 ①		PED TYPE
120/208	200	3	4 WIRE WYE	75-200	16S		U9107-0 ①		PED TYPE
120/208	400 - 800	3	4 WIRE WYE	75-200	9S	9804-8543 or 9804-8547	U4493-XL ①		
277/480	200 - 400	3	4 WIRE WYE	75-200	9S	9804-8543 or 9804-8547 ①	U4493-XL ①		
120/208	1000 & UP	3	4 WIRE WYE	225 & UP	9S	9804-8543 or 9804-8547 ①	U4493-XL ①		
277/480	600 & UP	3	4 WIRE WYE	225 & UP	9S	9804-8543 or 9804-8547 ①	U4493-XL ①		
					9S	DURHAM 1004671			

① Indicates Lever Bypass

② Indicates Horn Bypass

**\*\*\* SOCKETS NOT LISTED, CALL OAKDALE FOR APPROVAL \*\*\***

**\*\*\* ANY SERVICE REQUIRING A CT CABINET, MUST FURNISH THE LUGS \*\*\***

**\*\*\* CT CABINETS OVER 1000 AMP, MUST SUPPLY THE BUSS \*\*\***

**\*\*\* OAKDALE ELECTRIC APPROVED CT CABINETS (ALONG W/ MILBANK SOCKET # U4490-XL) \*\*\***

1) GALVA CLOSURE OAK-634

2) AMP ALICT6-3

**\*\*\* ALL RESIDENTIAL METER SOCKETS MUST HAVE EITHER HORN OR LEVER BYPASS \*\*\***