



ELEVATION
EC5-3.2301

DISTRIBUTION CONSTRUCTION STANDARD
EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

GROUNDING DETAIL PADMOUNT TRANSFORMER VAULT

Approved Jun 01, 2016
EC5-3.2300
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REV.
5

ASSEMBLY EC5-3.2301

GROUNDING DETAIL 7' 11" X 13' X 8' 7" PADMOUNT TRANSFORMER VAULT

1.	434-0000897	85 FT	CNDCTCU#2STRDSD
2.	460-0001417	2 EA	RODGND5/8 X 8GALV
3.	442-0001102	2 EA	CONNGRNDROD5/8"
4.	444-0001174	1 EA	CONNCRPT2STRD-2SOL

CONSTRUCTION NOTES:

1. Grounding conductor shall be No. 2, seven strand, soft drawn, bare (un-insulated) copper.
2. Grounding conductor shall be installed in one continuous length without a splice or joint except where the two ends are joined inside the vault.
3. Inside of vault leave 16 ft, minimum of one end of the grounding conductor and 2 ft, minimum of the other end for connection. EWEB to make connection between the two ends of grounding conductor.
4. Lid dimensions vary, grounding conductor placement measurement shown shall be from edge of lid.
5. Refer to EWEB's Construction Drawing for conduit entrance location(s).

REFERENCE STANDARDS:

- A) Refer to EC5-2.2300 for 7' 11" x 13' x 8' 7" vault for padmount transformers 500kva to 2000kva.
- B) Refer to EC5-6.2000, EC5-6.2300 & EC5-6.2900 for 3 ph. transformer assemblies.