



ELEVATION
EC5-3.1101

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

**GROUNDING DETAIL COMMERCIAL PADMOUNT TRANSFORMER
INSTALLATION**

Approved Jun 01, 2016
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**REV.
6**

ASSEMBLY EC5-3.1101

GROUNDING DETAIL - COMMERCIAL PADMOUNT TRANSFORMER INSTALLATION 2- 4' 8" X 4' 8" VAULTS

1.	434-0000897	76 FT	CNDCTCU#2STRDSD
2.	460-0001417	2 EA	RODGND5/8 X 8GALV
3.	444-0001174	1 EA	CONNCRPT2STRD-2SOL
4.	442-0001102	2 EA	CONNGRNDROD5/8"

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 location(s).

REFERENCE STANDARDS:

- A) Refer to EC5-2.1100 for concrete vault and 4' 8" x 4' 8" x 4' concrete lids w/ 3' x 3' openings.
- B) Refer to EC5-2.1400 for 4' 8" x 4' 8" x 4' concrete vault with transformer lids.
- C) Refer to GC5-2.2900 for typical commercial padmount transformer vault details.