



EC5-3.2001 – EC5-3.2003

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

GROUND WIRE DETAIL 7' 11" X 13' X 8' 7" SWITCH VAULT

Approved May 27, 2015
EC5-3.2000
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ASSEMBLY EC5-3.2001

GROUNDING DETAIL GROUND WIRE INSTALLATION FOR 7' 11" X 13' X 8' 7" SWITCH VAULT

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|----|-------------|-------|-----------------------|
| 1. | 434-0000901 | 71 FT | CNDCTCU 4/019 STRD SD |
| 2. | 444-0001181 | 5 EA | CONNCRPT250-250CU |
| 3. | 442-0001098 | 4 EA | CONN1 BOLT350CU. |

ASSEMBLY EC5-3.2003

GROUNDING DETAIL GROUND WIRE INSTALLATION FOR 7' 11" X 13' X 8' 7" SWITCH VAULT FOR (ATS) AUTO TRANSFER SWITCH

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|----|-------------|-------|-----------------------|
| 1. | 434-0000901 | 79 FT | CNDCTCU 4/019 STRD SD |
| 2. | 444-0001181 | 5 EA | CONNCRPT250-250CU |
| 3. | 442-0001098 | 4 EA | CONN1 BOLT350CU. |

CONSTRUCTION NOTES:

1. Grounding conductor shall be 4/0, nineteen strand, soft drawn, bare (un-insulated) copper.
2. Grounding conductor shall be installed inside vault in one continuous length without a splice or joint except where the two ends are joined inside the vault.
3. EWEB to make all connections to grounding connectors inside of vault.

REFERENCE STANDARDS:

- A) Refer to EC5-2.2600 for 7' 11" x 13' X 8' 7" concrete manhole vault.
- B) Refer to EC5-2.2900 for 7' 11" x 13' x 8' 7" concrete vault for padmount switch.
- C) Refer to EC5-5.1700 for 15KV deadfront padmount - 600 amp (ATS) auto transfer switch.
- D) Refer to EC5-3.1700 for ground rod detail 7' 11 x 13' vault.

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