



EC5-2.0601

WEIGHTS:
 LID 1,360 LBS.
 VAULT 3,530 LBS.

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

4' 8" X 4' 8" X 4' CONCRETE VAULT AND 4' 8" X 4' 8" LID WITH 1' 9" X 2' 1" OPENING

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ASSEMBLY EC5-2.0601

4' 8" X 4' 8" X 4' CONCRETE VAULT AND 4' 8" X 4' 8" LID WITH 1' 9" X 2' 1" OPENING

- 1. 348-0000535 1 EA VAULT 4'8"X4'8"X4' CONCT
- 2. 348-0000498 1 EA LID4'8"X4'8" W/1'9"X2'1" OPNG

ASSEMBLY EC5-2.0603

4' 8" X 4' 8" X 6" LID WITH 1' 9" X 2' 1" OPENING

- 2. 348-0000498 1 EA LID4'8"X4'8" W/1'9"X2'1" OPNG

CONSTRUCTION NOTES:

1. Base of vault shall be 8" (minimum) compacted 3/4" minus crushed rock.
2. Conduits shall enter and exit vaults in the positions indicated on the Construction Drawing, level and perpendicular to the vault and shall be grouted to provide a watertight seal with a smooth finish. Grout to be Redline "Speedcrete" or equivalent.
3. Conduits shall extend into the vault 1 1/2" +/- 1/2", cut off square, chamfered, free of any sharp edges, and temporarily sealed to prevent rocks or other materials from entering them after mandreling.
4. Vaults shall be clean and free of rocks, dirt and debris prior to final inspection.
5. Excavated area around all vaults and boxes shall be backfilled to final grade with 3/4" minus crushed rock.
6. Vault Lid to be set 2" above the surrounding final grade unless installed in concrete or asphalt in which case it shall be installed flush with surrounding final surface.
7. Refer to GC5-2.4200 for the 4' 8" x 4' 8" concrete vault knockout template detail, used with transformer lid.

DESIGN NOTES:

1. For new construction, assembly EC5-2.0601 is required when installing a three bushing single phase transformer or 167 KVA single phase transformer.
2. Assembly EC5-2.0603 is used for a maintenance lid on existing submersible (round) vaults when replacing a submersible transformer with a single phase padmount transformer.
3. A sidewalk ring is required when vault is installed in concrete or asphalt. Refer to EC5-2.1100 for sidewalk ring assembly EC5-2.1110.

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REFERENCE STANDARDS:

- A) Refer to EC5-3.0800 for grounding detail.
- B) Refer to EC5-6.0500, EC5-6.0800 for single phase 3 bushing transformers and 167KVA single phase transformer.
- C) Refer to EC5-2.0100 for required minimum feeder, primary and secondary service conductor makeup lengths for vaults and secondary boxes.
- D) Refer to GC5-2.3600 for mandreling and cleaning of ducts and conduits.
- E) Refer to GC5-2.3900 for entering and exiting concrete vaults/boxes conduit detail.
- F) Refer to GC5-2.4200 for 4' 8" x 4' 8" x 4' concrete vault knockout entrance template detail, used with transformer lid.
- G) Refer to ED5-1.0100 for electrical equipment placement clearances at a street corner, maximum size and setback requirements.
- H) Refer to ED5-1.0500 for padmount transformer placement clearances.
- I) Refer to ED5-1.0400 for Working Clearances around padmounted equipment.
- J) Refer to ED5-1.6000 for Low voltage design tool.
- K) Refer to ED5-1.7000 for Underground Cable pulling program, Pull planning user guide.
- L) Refer to EC5-9.2600 for 3 1/2" x 7' screw type bollard post 8" helix, 6.625" x 6" galv steel bollard post, sleeve for removable bollard post.
- M) Refer to ED5-1.0800 for bollard post placement requirements for padmounted equipment.
- N) Refer to Specification ES5-2.1100.20A for EWEB Stock code # 348-0000535.
- O) Refer to Specification ES5-2.1100.06B for EWEB Stock code # 348-0000498.
- P) Refer to EC5-2.1100 for sidewalk ring.