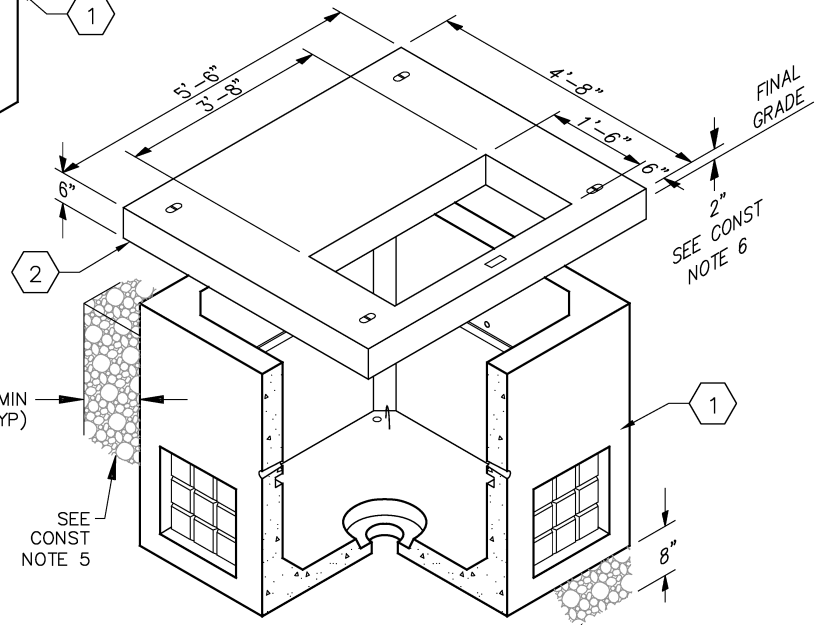


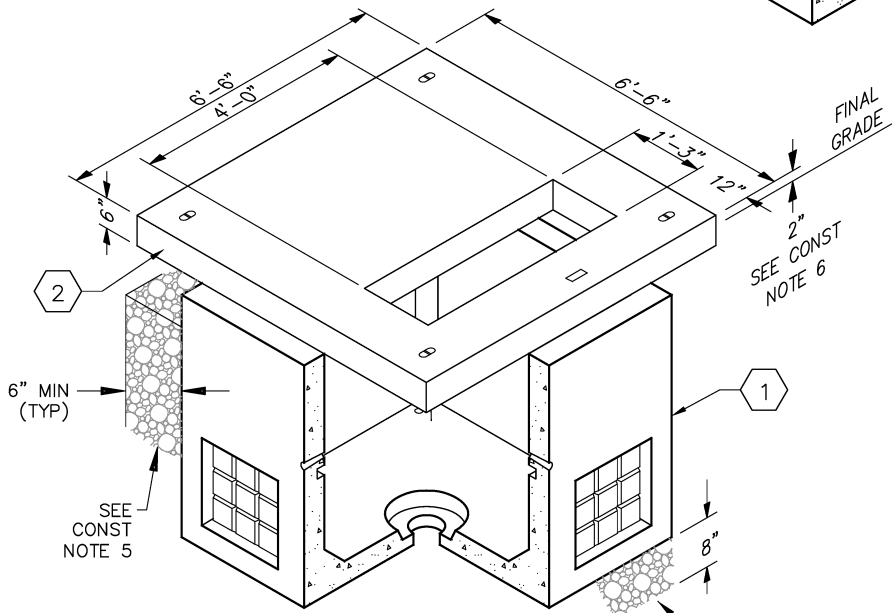
EC5-2.1401

WEIGHTS:
LID 1359 LBS.
VAULT 3,530 LBS.



EC5-2.1402

WEIGHTS:
LID 1,465 LBS.
VAULT 3,530 LBS.



EC5-2.1403

WEIGHTS:
LID 2,735 LBS.
VAULT 3,530 LBS.

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

**4' 8" X 4' 8" X 4' CONCRETE VAULT AND THREE PHASE PADMOUNT
TRANSFORMER LIDS**

Approved May 24, 2023
EC5-2.1400
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**REV.
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ASSEMBLY EC5-2.1401

4' 8" X 4' 8" X 4' CONCRETE VAULT AND 4' 8" X 4' 8" LID WITH 1' 2" X 3' 2" OPENING

- 1. 348-0000535 1 EA VAULT 4'8"X4'8"X4' CONCT
- 2. 348-0000497 1 EA LID4'8"X4'8" W/1'2"X3'2" OPNG

ASSEMBLY EC5-2.1402

4' 8" X 4' 8" X 4' CONCRETE VAULT AND 5' 6" X 4' 8" LID WITH 1' 6" X 3' 8" OPENING

- 1. 348-0000535 1 EA VAULT 4'8"X4'8"X4' CONCT
- 2. 348-0000507 1 EA LID4'8"X 5'6" W/1'6"X3'8" OPNG

ASSEMBLY EC5-2.1403

4' 8" X 4' 8" X 4' CONCRETE VAULT AND 6' 6" X 6' 6" LID WITH 1' 3" X 4' OPENING

- 1. 348-0000535 1 EA VAULT 4'8"X4'8"X4' CONCT
- 2. 348-0000510 1 EA LID6'6"X6'6" W/1'3"X4' OPNG

ASSEMBLY EC5-2.1404

4' 8" X 4' 8" TRANSFORMER LID, WITH 1' 2" X 3' 2" OPENING

- 2. 348-0000497 1 EA LID4'8"X4'8" W/1'2"X3'2" OPNG

ASSEMBLY EC5-2.1405

5' 6" X 4' 8" TRANSFORMER LID, WITH 1' 6" X 3' 8" OPENING

- 2. 348-0000507 1 EA LID4'8"X 5'6" W/1'6"X3'8" OPNG

ASSEMBLY EC5-2.1406

6' 6" X 6' 6" TRANSFORMER LID WITH 1' 3" X 4' OPENING

- 2. 348-0000510 1 EA LID6'6"X6'6" W/1'3"X4' OPNG

CONSTRUCTION NOTES:

1. Base or 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.

DESIGN NOTES:

1. To be used for 3 phase padmount transformers up to 500 KVA.
2. Refer to EC5-6.2000 or EC5-6.2900 for maximum service conductor information.
3. To determine the correct transformer lid size, Engineering Tech shall measure the transformer that has been assigned to their project.
4. For 4'-8" x 4'-8" lids, 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

REFERENCE STANDARDS:

- A) Refer to EC5-3.0800 for grounding detail.
- B) Refer to EC5-6.2000, EC5-6.2300 and EC5-6.2900 for 3 phase padmount transformer assemblies.
- 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 GC5-2.4000 for 4' 8" x 4' 8" x 4' concrete vault knockout entrance template detail, used with 3' x 3' lid.
- G) Refer to GC5-2.4200 for 4' 8" x 4' 8" x 4' concrete vault knockout entrance template detail, used with transformer lid.
- H) Refer to ED5-1.0100 for electrical equipment placement clearances at a street corner, maximum size and setback requirements.
- I) Refer to ED5-1.0500 for Padmounted transformer placement clearances from structure.
- J) Refer to ED5-1.0400 for Working Clearances around padmounted equipment.
- K) Refer to EC5-A.0500 for Customer requirements for vegetation management for underground systems.
- 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 ES5-2.1100.06A for EWEB Stock code # 348-0000497.
- P) Refer to Specification ES5-2.1100.12 for EWEB Stock code # 348-0000507.
- Q) Refer to Specification ES5-2.1100.14 for EWEB Stock code # 348-0000510.
- R) Refer to EC5-2.1100 for sidewalk ring.