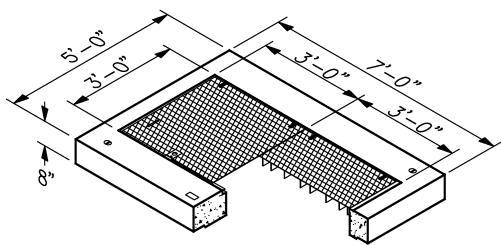
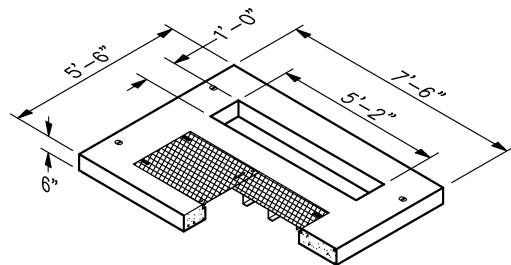


EC5-2.2701



EC5-2.2702

WEIGHT:
LID 2,195 LBS.



EC5-2.2708

WEIGHT:
LID 2,148 LBS.

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

4' 8" X 7' X 4' CONCRETE VAULT AND LID 4' 8" X 7' X 4' CONCRETE VAULT
AND (SE-3) SECTIONALIZING LID

Approved May 11, 2016
EC5-2.2700
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ASSEMBLY EC5-2.2701

4' 8" X 7' X 4' CONCRETE VAULT AND LID

- | | | | |
|----|-------------|------|------------------------------|
| 1. | 348-0000537 | 1 EA | VLTCNC 4'8" X 7' X 4' |
| 2. | 348-0000512 | 1 EA | LID 5' X 7' X 8"W/2-3' DOORS |
| 4. | 348-0005467 | 1 EA | FRAME SDWLK 5' X 7' |

ASSEMBLY EC5-2.2702

5' X 7' X 8" CONCRETE LID WITH TWO 3' X 3' STEEL DOORS

- | | | | |
|----|-------------|------|------------------------------|
| 2. | 348-0000512 | 1 EA | LID 5' X 7' X 8"W/2-3' DOORS |
|----|-------------|------|------------------------------|

ASSEMBLY EC5-2.2703

4' 8" X 7' X 4' CONCRETE VAULT

- | | | | |
|----|-------------|------|-----------------------|
| 1. | 348-0000537 | 1 EA | VLTCNC 4'8" X 7' X 4' |
|----|-------------|------|-----------------------|

ASSEMBLY EC5-2.2705

5' X 7' X 8" SIDEWALK INSET RING

- | | | | |
|----|-------------|------|---------------------|
| 4. | 348-0005467 | 1 EA | FRAME SDWLK 5' X 7' |
|----|-------------|------|---------------------|

ASSEMBLY EC5-2.2706

4' 8" X 7' X 4' CONCRETE VAULT AND (SE-3) SECTIONALIZING LID

- | | | | |
|----|-------------|------|---------------------------------|
| 1. | 348-0000537 | 1 EA | VLTCNC 4'8" X 7' X 4' |
| 3. | 348-0000511 | 1 EA | LID 5'6"X7'6" W/ 1'0"X5'2" OPNG |
| 4. | 348-0005468 | 1 EA | FRAME SDWLK 5'6" X 7'6" |

ASSEMBLY EC5-2.2708

5' 6" X 7' 6" X 6" CONCRETE (SE-3) SECTIONALIZING LID

- | | | | |
|----|-------------|------|---------------------------------|
| 3. | 348-0000511 | 1 EA | LID 5'6"X7'6" W/ 1'0"X5'2" OPNG |
|----|-------------|------|---------------------------------|

ASSEMBLY EC5-2.2709

5' 6" X 7' 6" X 6" SIDEWALK INSET RING

- | | | | |
|----|-------------|------|-------------------------|
| 4. | 348-0005468 | 1 EA | FRAME SDWLK 5'6" X 7'6" |
|----|-------------|------|-------------------------|

CONSTRUCTION NOTES:

1. Base for vault shall be 8" (minimum) compacted 3/4" minus crushed rock.
2. Galvanized non slip steel plate doors shall open away from street or traffic area.
3. Conduits shall enter and exit vault 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.
4. 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.
5. Vaults shall be clean and free of rocks, dirt and debris prior to final inspection.
6. Excavated area around all vaults and boxes shall be backfilled to final grade with 3/4" minus crushed rock.
7. Vault lid to be set 2" above the surrounding final grade, if not located in a sidewalk, parking area or other pedestrian areas that would cause a "trip hazard".
8. Install sidewalk inset ring with flat bar tabs as shown on vault lid. EWEB crew to remove flat bar tabs

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

**4' 8" X 7' X 4' CONCRETE VAULT AND LID 4' 8" X 7' X 4' CONCRETE VAULT
AND (SE-3) SECTIONALIZING LID**

Approved May 11, 2016
EC5-2.2700
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DESIGN NOTES:

1. When used as a secondary vault, the maximum size and number of three phase secondary conductors allowed in a 4' 8" x 7' vault shall not exceed a total number of (8) 750 kcm conductors per phase.
2. Vault is designed for H20 "Traffic Rated" wheel loading, and the lid is designed for "Non Roadway" wheel loading. This vault and lid when used in a feeder or secondary vault application, SHALL be located in off street locations such as sidewalks, planter, landscaped areas, and parking spaces, but not in any main driving pathways.
3. CONCRETE VAULT LIMITATIONS:
 - a. One feeder circuit only.
 - b. Conduits must enter vault in ends only for feeder and secondary applications.
 - c. May also be used as a secondary box.
 - d. Shall be used when installing a (SE-3) three phase above ground sectionalizing enclosure. Refer to GC5-2.4400 for conduit entrance template detail.
4. For new construction, an above ground sectionalizing enclosure or pulling vault is required within approximately 50 ft. up to a maximum of 100 ft. of any primary single phase, three phase or feeder pole dip installation to remedy safety concerns and reduce pulling tensions when pulling in conductors. Any deviation requires electric operations approval.
5. When used for a feeder or secondary vault, (2) 36" stanchions with (2) 14" conductor support bracket arms EC5-9.0503 are required per three phase feeder pull to rack conductors OR (4) secondary mole support brackets EC5-9.0504 are required to rack secondary conductors in this vault.

REFERENCE STANDARDS:

- A) Refer to EC5-3.2600 for grounding detail.
- B) Refer to EC5-4.2300 for 600 AMP T-splice assemblies.
- C) Refer to GC5-2.3900 for entering and exiting concrete vaults/boxes conduit detail.
- D) Refer to EC5-2.2100 for 4' 8" x 7' concrete riser sections.
- E) Refer to EC5-9.0500 for conductor support and secondary mole support brackets.
- F) Refer to EC5-6.3400 for 350 & 500 KCM urd underground secondary moles.
- G) Refer to EC5-6.3500 for 750 KCM urd underground secondary moles.
- H) Refer to EC5-5.7800 for (SE-3) three phase above ground sectionalizing enclosure.
- I) Refer to EC5-2.0100 for required minimum feeder, primary and secondary/service conductor makeup length for vaults and secondary boxes.
- 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 ED5-1.8000 for Underground Loop circuit requirements.
- M) 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.
- N) Refer to ED5-1.0800 for bollard post placement requirements for padmounted equipment.
- O) Refer to ED5-1.0100 for Electrical Equipment placement clearances at a street corner, maximum size & setback requirements.
- P) Refer to ED5-1.0400 for working clearances around padmounted equipment.
- Q) Refer to EC5-A.0500 for Customer requirements for vegetation management for underground systems.
- R) Refer to GC5-2.4400 for 4' 8" x 7' x 4' concrete vault knockout entrance template detail, used with (SE-3) sectionalizing enclosure lid.
- S) Refer to Specification ES5-2.1100.15B for EWEB Stock code # 348-0000512.
- T) Refer to Specification ES5-2.2100.07 for EWEB Stock code # 348-0000512.
- U) Refer to Specification ES5-2.1100.21 for EWEB Stock code # 348-0000537.
- V) Refer to Specification ES5-2.1100.15A for EWEB Stock code # 348-0000511.
- W) Refer to Specification ES5-2.2100.06 for EWEB Stock code # 348-0000511.