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

EC5-2.1401
WEIGHTS:
LID 1,359 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.
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"X5'6" 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"X5'6" 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 11/2" +/- 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.

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, refer to the electric operations (lightbulb) database and enter the assigned transformer number to review the transformers actual dimension requirements.
REFERENCE STANDARDS:
A) Refer to EC-5-3.0800 for grounding detail.
B) Refer to EC-5-6.2000, EC-5-6.2300 and EC-5-6.2900 for 3 phase padmount transformer assemblies.
C) Refer to EC-5-2.0100 for required minimum feeder, primary and secondary service conductor makeup lengths for vaults and secondary boxes.
D) Refer to GC-5-2.3600 for mandreling and cleaning of ducts and conduits.
E) Refer to GC-5-2.3900 for entering and exiting concrete vaults/boxes conduit detail.
F) Refer to GC-5-2.4000 for 4’ 8” x 4’ 8” x 4’ concrete vault knockout entrance template detail, used with 3’ x 3’ lid.
G) Refer to GC-5-2.4200 for 4’ 8” x 4’ 8” x 4’ concrete vault knockout entrance template detail, used with transformer lid.
H) Refer to ED-5-1.0100 for electrical equipment placement clearances at a street corner, maximum size and setback requirements.
I) Refer to ED-5-1.0500 for Padmounted transformer placement clearances from structure.
J) Refer to ED-5-1.0400 for Working Clearances around padmounted equipment.
K) Refer to EC-5-A.0500 for Customer requirements for vegetation management for underground systems.
L) Refer to EC-5-9.2600 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 ED-5-1.0800 for bollard post placement requirements for padmounted equipment.
N) Refer to Specification ES-5-2.1100.20 for EWEB Stock code # 348-0000535.
O) Refer to Specification ES-5-2.1100.06A for EWEB Stock code # 348-000497.
P) Refer to Specification ES-5-2.1100.12 for EWEB Stock code # 348-0000507.
Q) Refer to Specification ES-5-2.1100.14 for EWEB Stock code # 348-0000510.