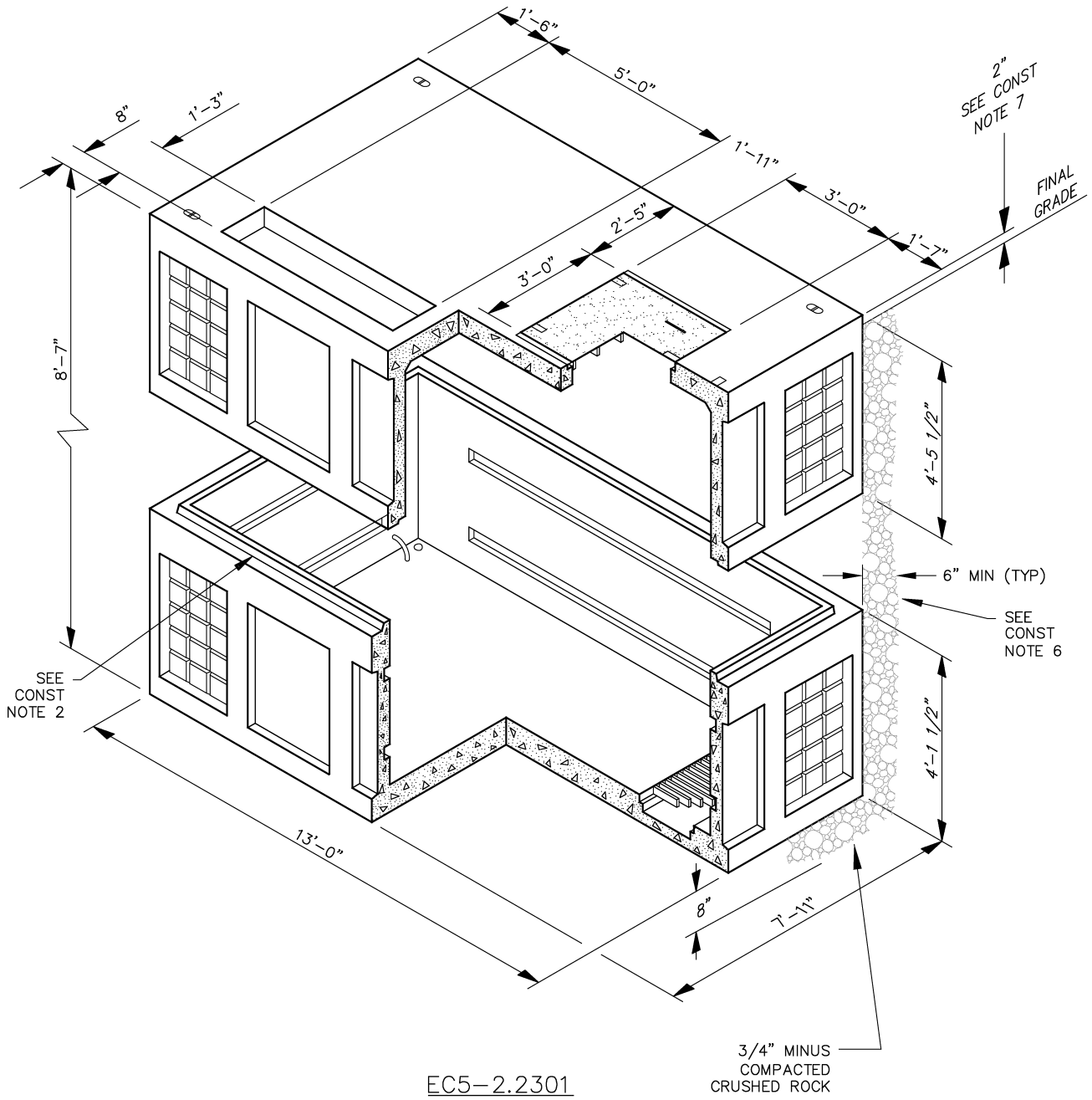

EC5-2.2301

WEIGHTS:
TOP: 17,470 LBS.
BOTTOM: 15,710 LBS.

ASSEMBLY EC5-2.2301
7' 11" X 13' X 8' 7" CONCRETE VAULT WITH 3' X 3' STEEL DOOR FOR LARGE PADMOUNT TRANSFORMERS

1.	348-0000538	1	EA	VLTCNCT7'11"X13'X8'7" W/3' DOOR

CONSTRUCTION NOTES:

1. Base for vault shall be 8" (minimum) 3/4" minus compacted crushed rock.

2. Flexible gasket sealant SHALL BE installed between vault sections to seal vault.

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 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.

5. Vaults shall be clean and free of rocks, dirt and debris prior to final inspection.

6. Excavated area around vault shall be backfilled to final grade with 3/4" minus compacted crushed rock.

7. Vault lid to be set 2" above the surrounding final grade.

DESIGN NOTES:

1. To be used for three phase transformers 500 to 2000 KVA.

2. (2) 36" stanchions with (2) 14" conductor support bracket arms EC5-9.0503 are required per three phase primary pull to rack conductors.

3. Refer to EC5-6.2000 and EC5-6.2900 for maximum service conductor information.

4. Refer to EC5-9.0500 for secondary mole brackets, each secondary mole will require a secondary mole bracket.

REFERENCE STANDARDS:

A) Refer to EC5-3.2300 for grounding detail.

B) Refer to EC5-6.2000, EC5-6.2300 and EC5-6.2900 for three phase transformer assemblies.

C) Refer to EC5-9.0500 for conductor support and secondary mole support brackets.

D) Refer to EC5-6.3400 for 350 & 500 KCM urd secondary moles.

E) Refer to EC5-6.3500 for 750 KCM urd underground secondary moles.

F) Refer to EC5-2.0100 for required minimum feeder, primary and secondary/service conductor makeup length for vaults and secondary boxes.

G) Refer to GC5-2.3900 for entering and exiting concrete vaults/boxes conduit detail.

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 GC5-2.4600 for 7' 11" x 13' x 8' 7" concrete vault knockout entrance template detail, used for large transformers.

O) Refer to ED5-1.6000 for Low voltage design tool.

P) Refer to ED5-1.7000 for Underground Cable pulling program, Pull planning user guide.

Q) Refer to Specification ES5-2.1100.24 for EWEB Stock code # 348-0000538.