

PRECAST BURIED TRANSFORMER ENCLOSURE

REVISION: New Buried Transformer Enclosure Design

CHECKED BY (ENGINEERING): SJ

DATE: 05/22/17

CHECKED BY (FIELD): RJ

PREPARED / REVISED BY: SJR

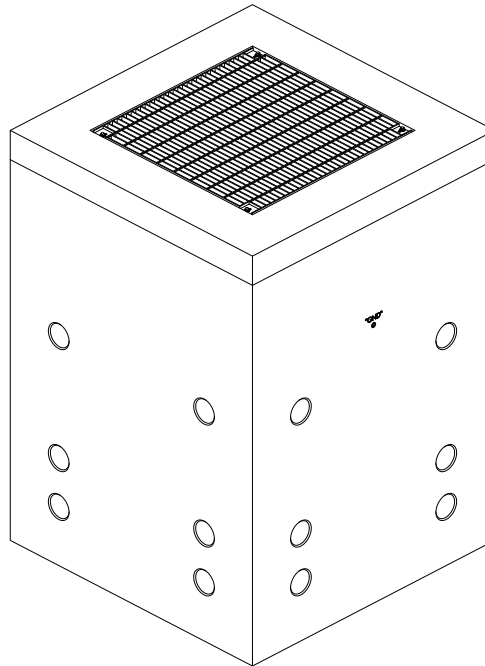
APPROVED BY: *Stephen E. Saford*

Precast Buried Transformer Enclosures (BTE) are listed in the table below; other BTE's may be used if prior department approval is obtained. Any of the structures covered by a particular item number in table below are acceptable unless otherwise noted on the working drawings.

Concrete Structures:

Include accessories in each structure in conformance with the requirements set forth in the drawings, specifications, schedules and tabulations referred to below.

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| 1. General Specifications for Precast Reinforced Concrete..... | UGS-016 |
| 2. Duct entrance..... | UGS-110.4 |
| 3. Inserts..... | UGS-202, 208 |
| 4. Ground wires..... | UGS-225 |



BTE (1Ø Xfmr.)
25 kVA
50 kVA
75 kVA
100 kVA *
167kVA *

* Requires 6" Extension Ring

BTE
 Buried Transformer Enclosure for Single Phase Burd Transformers

RPU Stock No. (Replacement Items)		
Grate (Parkway)		Baffle
39.25" Round	40" Square	
29931	-	29932

PRECAST BURIED TRANSFORMER ENCLOSURE (PAD & BOX)								
Line Item	Structure Code	BTE Type	Manufacturer	Manufacture Part No.			Structure Details	Installation Details
				Complete BTE Assembly	Rev.	Grade Ring (Optional)		
1	BTE	Parkway	Jensen Precast	K44X-BTE-72-21	0	PDX44-R6 (6")	UGS-006.1	UGS-735
			Oldcastle	070-XB19-334-001	A	070-XB19-334-001 (6")		
2	BTE	Incidental Traffic	Jensen Precast	K44X-BTE-72-21T	0	PDX44-R6 (6")	UGS-006.2	UGS-735
			Oldcastle	-	-	070-XB19-334-001 (6")		

* Complete BTE assembly includes Bottom Section, Top Section, Baffle, Grate (ADA Compliant), & Grate Hardware.

Notes:

- Buried Transformer Enclosure (BTE) shall be furnished complete with galvanized grate with stainless steel penta head cap screws for securing, tamper proof vent (Baffle).
- Contractor shall furnish & install 6" BTE grade rings to bring top cap to finish grade when installation requires additional depth.
- Manufacture wall thickness may vary; verify manufacturer drawing when ordering for proper trench clearances & Depth. See RPU Material Spec. 1-4.11 for approved manufacturer specifications.
- All interior surfaces shall be painted with one coat of flat latex white paint.
- Structures to be stenciled with Manufactures Name, Part No, Date of Pour & Weight on interior & exterior of concrete structure.
- Joints between precast sections shall be self centering and make a uniform watertight joint with manufacture provided 7/8" x 1-3/4 x "Required Length" gasket when assembled.
- BTE's installed in pedestrian right of way (Public Walkway) require ADA Compliant Grate (See UGS-006.2 for details).
- See UGS-735 for parkway / incidental traffic installation.