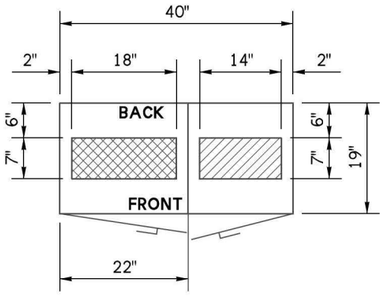
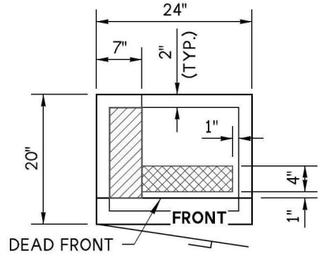
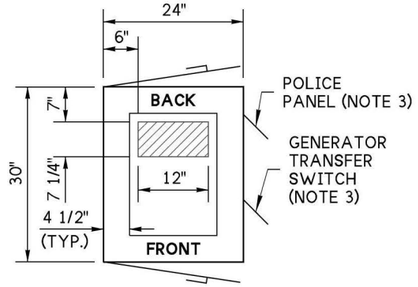
DRAWN BY: BILL BERENS



TYPE B MODIFIED SERVICE CABINET



XFMR-S (TRANSFORMER - SMALL) (UP TO 12.5 KVA)

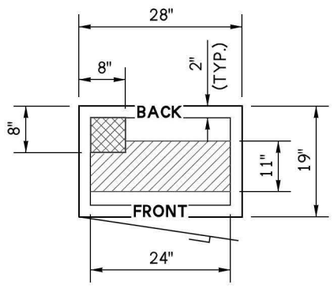


TYPE 33x CABINET

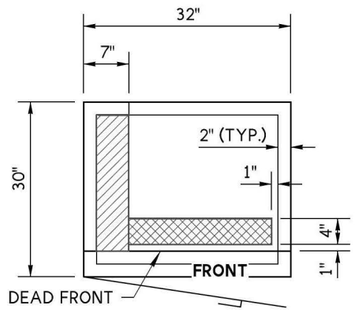
LEGEND

CONDUIT PLACEMENT LOCATION AREA

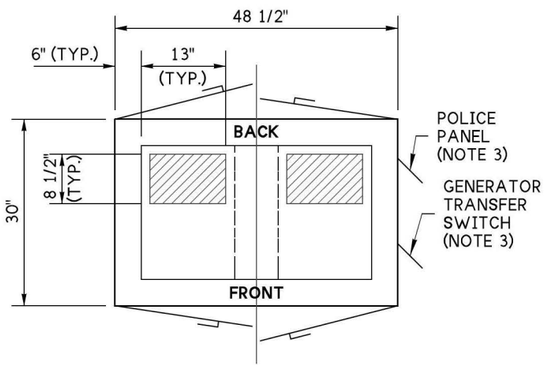
SERVICE: UTILITY CONDUIT AREA
TRANSFORMER: HIGH VOLTAGE CONDUIT AREA



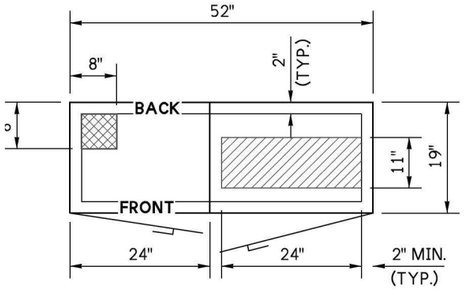
TYPE D SERVICE CABINET



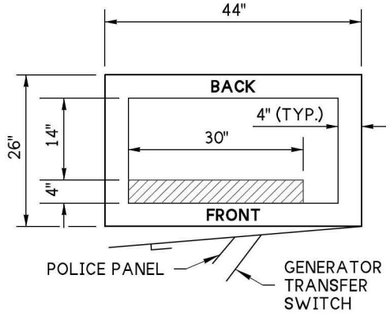
XFMR-L (TRANSFORMER - LARGE) (12.6 TO 37.5 KVA)



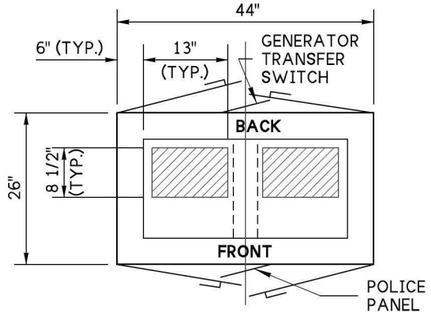
TYPE 33xD CABINET



TYPE E SERVICE CABINET



NEMA P44 CABINET



TYPE 342LX CABINET

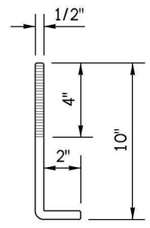
NOTES

1. Cabinet orientations and reserve conduit areas shown here. Conduits shall not enter any cabinet outside of the designated reserve area.
2. Cabinets shall be pad mounted in accordance with **Standard Plan J-10.10** unless otherwise directed in the Contract. All cabinets shall have silicone sealant applied between the cabinet and the concrete (see **Standard Specification Section 8-20.3(14)A**).
3. Not all Type 33x, 33xD, and NEMA P44 cabinets require a police panel and/or a generator transfer switch (GTS) panel. See Contract for specific cabinet requirements.
4. Each pad mounted cabinet shall be attached to the foundation with four anchor bolts. Anchor bolts shall extend 1 1/2-inches (min.) to 2-inches (max.) above the concrete mounting surface. Bolts, washers, and nuts shall be one of the following:
   a. 1/2-inch diameter by 10-inch long bent anchor bolts as shown in the Anchor Bolt Detail on this Sheet. Anchor bolts and hardware shall be hot-dip galvanized in accordance with **AASHTO M232** and meeting the requirements of **Standard Specification 9-06.5(1)**.
   b. Stainless steel epoxy anchors that are either 1/2-inch by 9-inches or 5/8-inch by 8-inches (diameter x length). Bolts and hardware shall use **Type 304** stainless steel hardware: **ASTM F593** all threaded rod, **ASTM A240** washers, and **ASTM F594** nuts.

CABINET REFERENCE TABLE

	CABINET TYPE	SIZE W × D (IN)	CAPACITY CONDUIT DIAMETER (IN)	STANDARD PLAN
SERVICE CABINETS	TYPE B MOD.	40" x 19"	12"	J-10.20
	TYPE D	28" x 19"	24"	J-10.21
	TYPE E	52" x 19"	48"	J-10.22
TRANSFORMER CABINETS	XFMR-S (UP TO 12.5 KVA)	24" × 20"	12"	J-10.25
	XFMR-L (12.6 TO 37.5 KVA)	32" × 30"	15"	J-10.25
SIGNAL AND ITS CABINETS	TYPE 33x	24" × 30"	12"	J-12.15
	TYPE 33xD	48.5" × 30"	24" ◇1	J-12.16
	TYPE 342LX	44" × 26"	24" ◇1	J-12.16
	NEMA P44	44" × 26"	15"	N/A

◇1 12" (IN) OF CONDUIT IN EACH LOCATION SHOWN



ANCHOR BOLT
(SEE NOTE 4)

WILLIAM FLINT JACKSON
STATE OF WASHINGTON
48821
REGISTERED
PROFESSIONAL ENGINEER

Aug 24, 2026

CABINET TYPE INDEX

STANDARD PLAN J-10.05-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Mark A Dains — Aug 24, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation

PLAN VIEWS

CABINET ORIENTATION, FOOTPRINT, AND CONDUIT PLACEMENT LOCATIONS