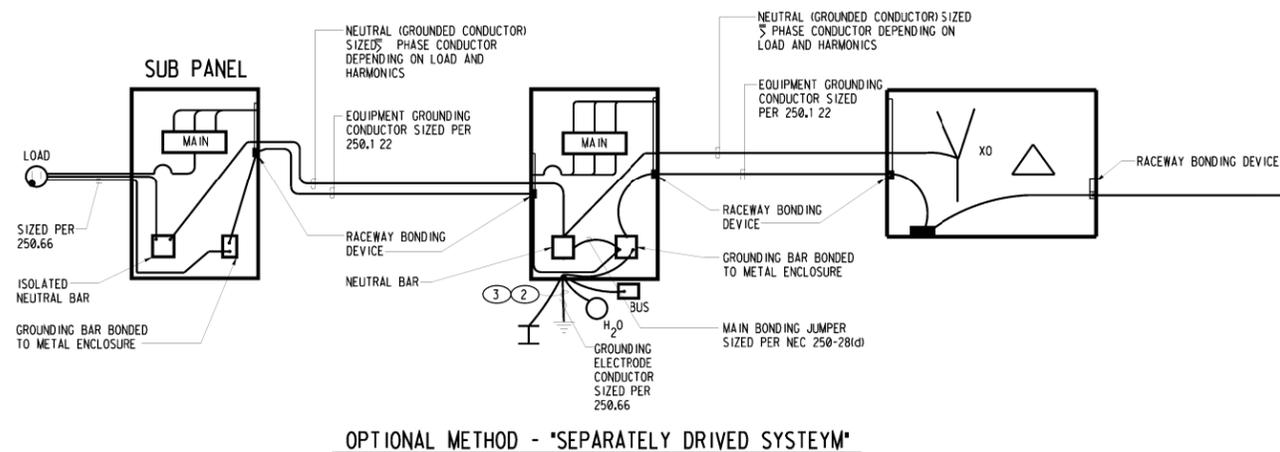
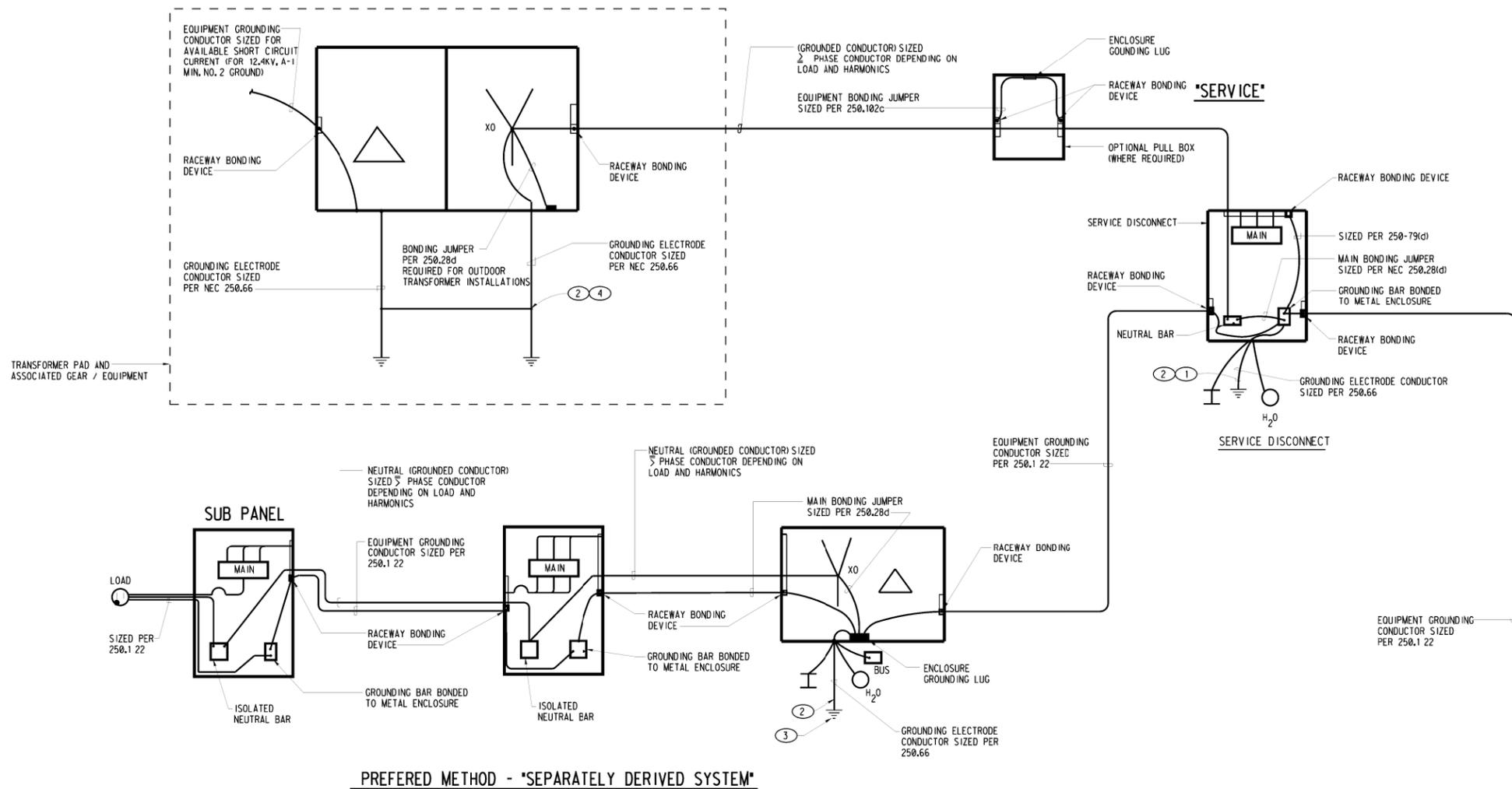


NOT TO BE USED AS A STANDARD DRAWING

DEVELOP SITE SPECIFIC DRAWINGS USING THESE GUIDELINES



GENERAL NOTES

1. OTHER SYSTEMS TO BE BONDED TO GROUNDING ELECTRODE SYSTEM.
 - A. LIGHTNING PROTECTION.
 - B. INTERIOR METALLIC GAS PIPE.
 - C. ANTENNAS.
 - D. TELEPHONE.
 - E. INTERIOR METAL WATER PIPE.
 - F. OTHER INTERIOR METAL PIPE SYSTEM.
2. ALL EQUIPMENT GROUNDING AND GROUNDED CONDUCTOR SIZES SHALL BE SHOWN ON ELECTRICAL DRAWINGS.
2. DRAWINGS REFLECT 2002 EDITION OF NATIONAL ELECTRIC CODE.

KEYED NOTES

- 1 BUILDING GROUNDING ELECTRODE SYSTEM SHALL INCLUDE ALL AVAILABLE POINTS.
 - A) UNDERGROUND METAL WATER PIPE (WITHIN 5' OF ENTRANCE & PRIOR TO ANY VALVE)
 - B) BUILDING STEEL
 - C) OTHER METAL PIPING
 - D) MADE ELECTRODE
- 2 GROUNDING ELECTRODE CONDUCTOR INSTALLED WITHOUT CONDUIT (USE CONDUIT FOR PHYSICAL PROTECTION WHEN APPROPRIATE) NEC 250-92.
- 3 GROUNDING ELECTRODE SHALL BE ROUTED TO THE CLOSEST AVAILABLE ELECTRODE. (IN ORDER OF PREFERENCE)
 - a. BUILDING STEEL.
 - b. WATER PIPE.
 - c. MADE ELECTRODE BONDED AT SERVICE.
- 4 TRANSFORMER COUNTER-POISE SYSTEM.

P.O.	REV	DATE	DESCRIPTION	DWN	CKD	APP
		9/09	REVISED BONDING JUMPER	MN	HCE	
		6/01	UDS MODS	EG	FL	
		6/94	GENERAL REVISIONS	JEM	BJK	

U.S. DEPARTMENT OF ENERGY

NNSA/SANDIA SITE OFFICE ALBUQUERQUE, NEW MEXICO

SANDIA NATIONAL LABORATORIES

Standard Grounding One-Line Diagram		P.O.	
Standards		PROJECT NO.	
		DRAWN BY	
		CHECKED BY	
		SNL ENGR	
DISCP: E	SUB-DISCP: S	DATE	06/30/2001
		SIZE	DRAWING NO
		D+	EST001STD.DGN

OLD FILE NAME: 083639E21

OLD FILENAME: 083639E.21
 FILENAME: EST001STD.dgn