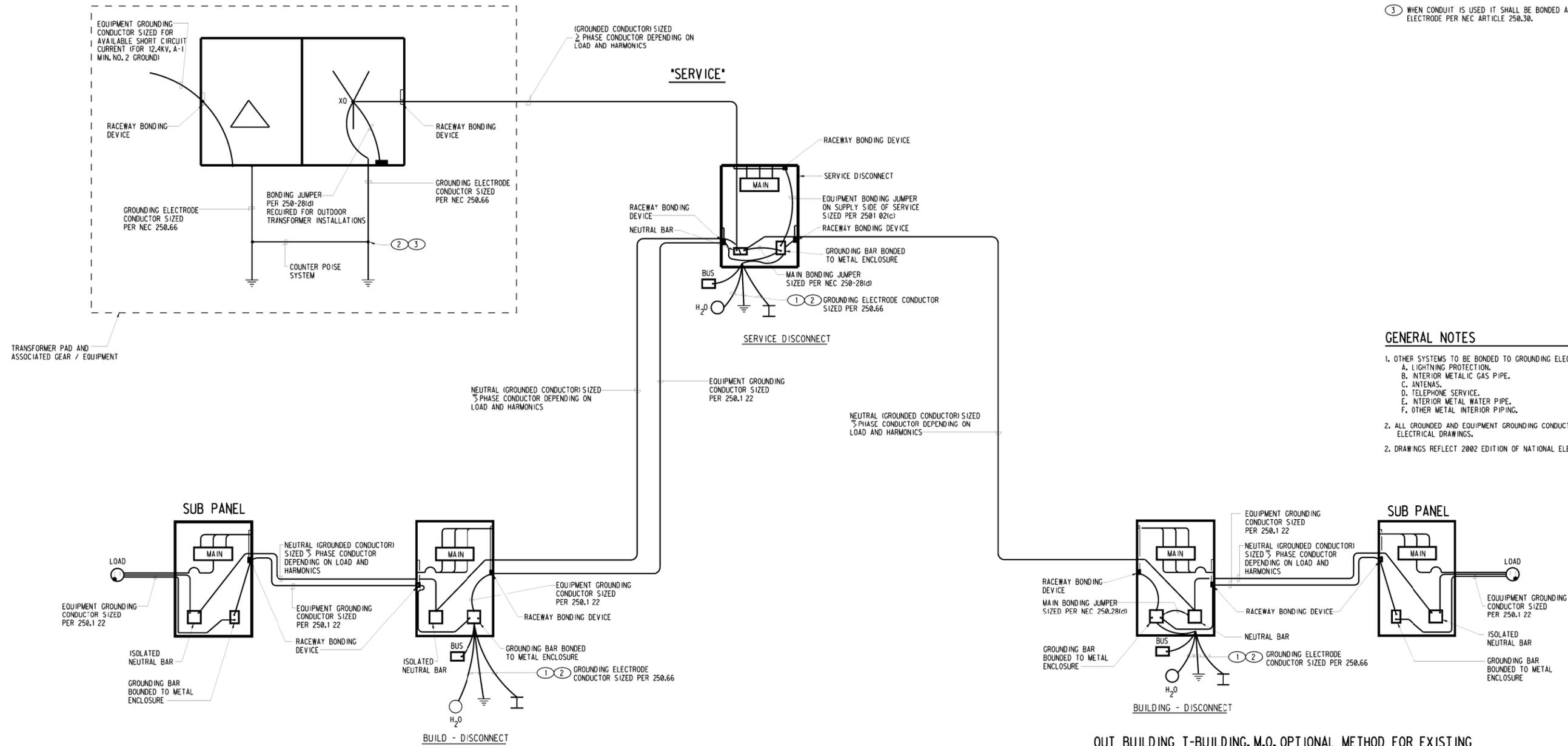


NOT TO BE USED AS A STANDARD DRAWING

DEVELOP SITE SPECIFIC DRAWINGS USING THESE GUIDELINES

KEYED NOTES

- 1 BUILDING GROUNDING ELECTRODE SYSTEM SHALL INCLUDE ALL AVAILABLE POINTS.
 A) UNDERGROUND METAL WATER PIPE, (WITHIN 5' OF ENTRANCE AND PRIOR TO VALVES).
 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 250.66
- 3 WHEN CONDUIT IS USED IT SHALL BE BONDED AT BOTH ENDS, RUN GROUNDING ELECTRODE PER NEC ARTICLE 250.30.



GENERAL NOTES

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

OUT BUILDING, T - BUILDINGS, M.O.'S
 PREFERRED METHOD FOR ALL NEW INSTALLATIONS

OUT BUILDING T-BUILDING, M.O. OPTIONAL METHOD FOR EXISTING
 INSTALLATIONS WHERE AN EQUIPMENT GROUNDING CONDUCTOR
 HAS NOT BEEN INSTALLED OR GROUND PATH DOESNT EXIST

OLD FILE NAME: 083639E22

OLD FILENAME: 083639E.22
 FILENAME: EST002STD.dgn

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

U.S. DEPARTMENT OF ENERGY					
NNSA/SANDIA SITE OFFICE			ALBUQUERQUE, NEW MEXICO		
SANDIA NATIONAL LABORATORIES					
Grounding One-Line Diagram					P.O.
Standards					PROJECT NO.
					DRAWN BY
					CHECKED BY
					SNL ENGR
DISCP: E	SUB-DISCP: S	STD	DATE	06/30/2001	SEQ.
			SIZE	DRAWING NO	
			D+	EST002STD.DGN	