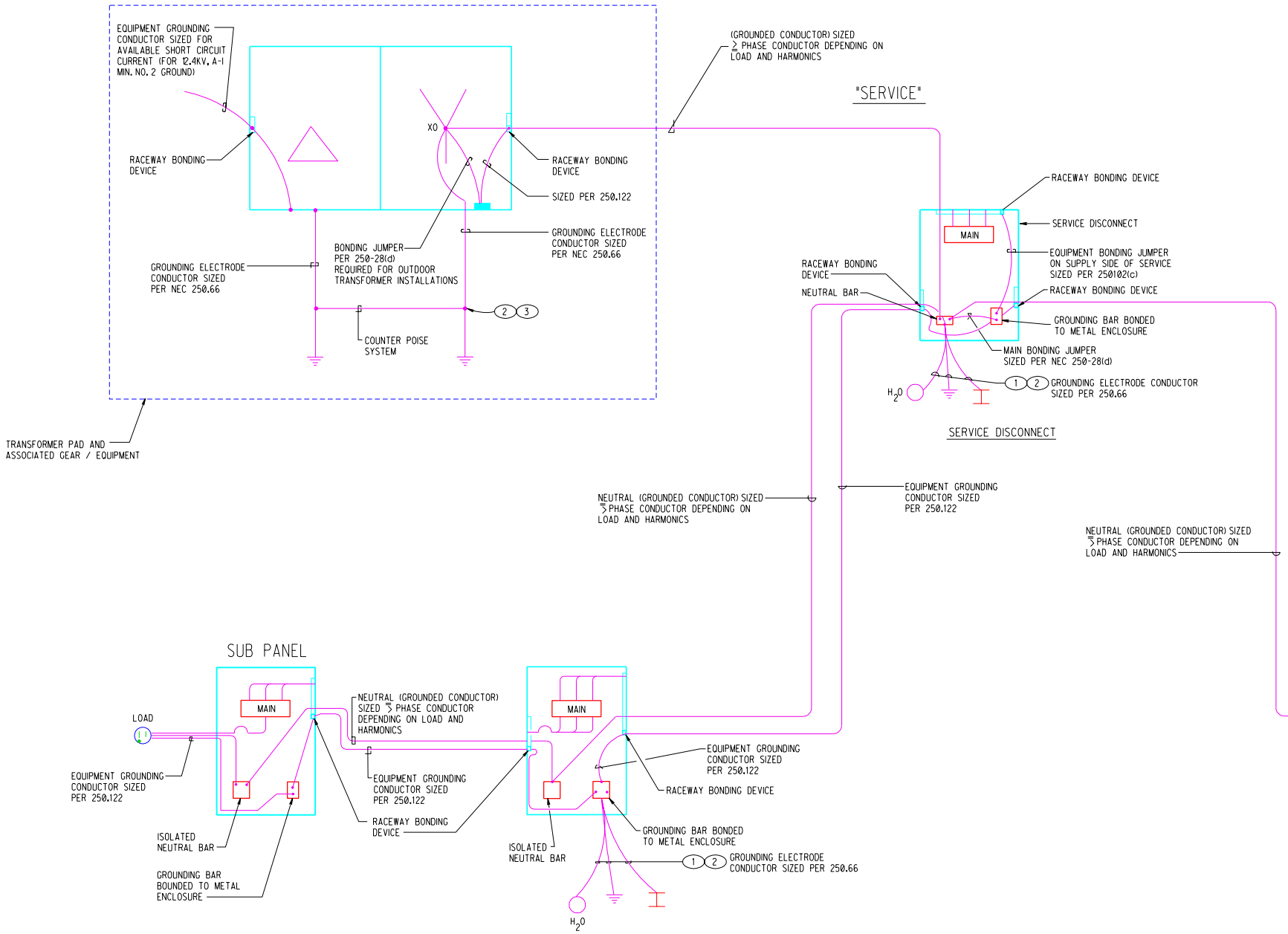
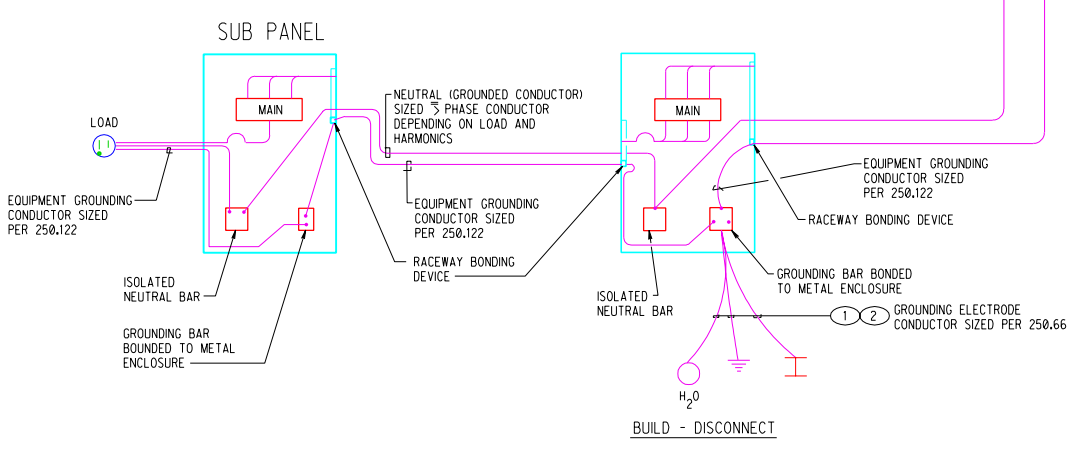
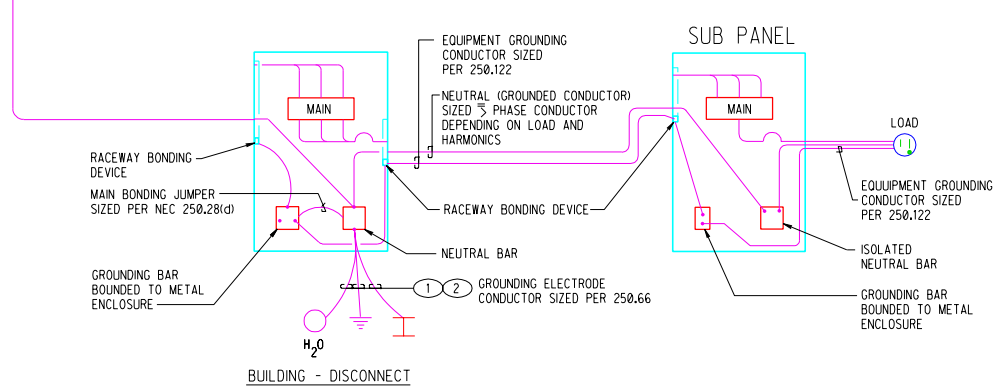
NOT TO BE USED AS A STANDARD DRAWING

DEVELOP SITE SPECIFIC DRAWINGS USING THESE GUIDELINES





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

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.

P.O. PROJECT NO.	REV	DATE	DESCRIPTION	DWN	CKD	APP
		6-15-01	UDS MODS	EG	FL	
	A	6/28/94	GENERAL REVISION	JEM	WJK	

U.S. DEPARTMENT OF ENERGY
KIRTLAND AREA OFFICE — ALBUQUERQUE, NEW MEXICO

SANDIA NATIONAL LABORATORIES

GROUNDING ONE-LINE DIAGRAM

P.O.	
PROJECT NO.	
DRAWN BY	J. MARTINEZ
CHECKED BY	K. WELLS
SNL ENGR	
DATE	10/92

ELECTRICAL — STANDARD

SIZE D+ — DRAWING NO ES7002STD — SEQ.

OLD FILE NAME: 083639E22

MICROSTATION FILE
FILE NAME: ES7002STD.dgn
REFERENCE FILES:

"Property of Sandia National Laboratories Facilities Management and Operation Center (FMOC). No duplication or alteration allowed without the expressed permission and authorization of FMOC."