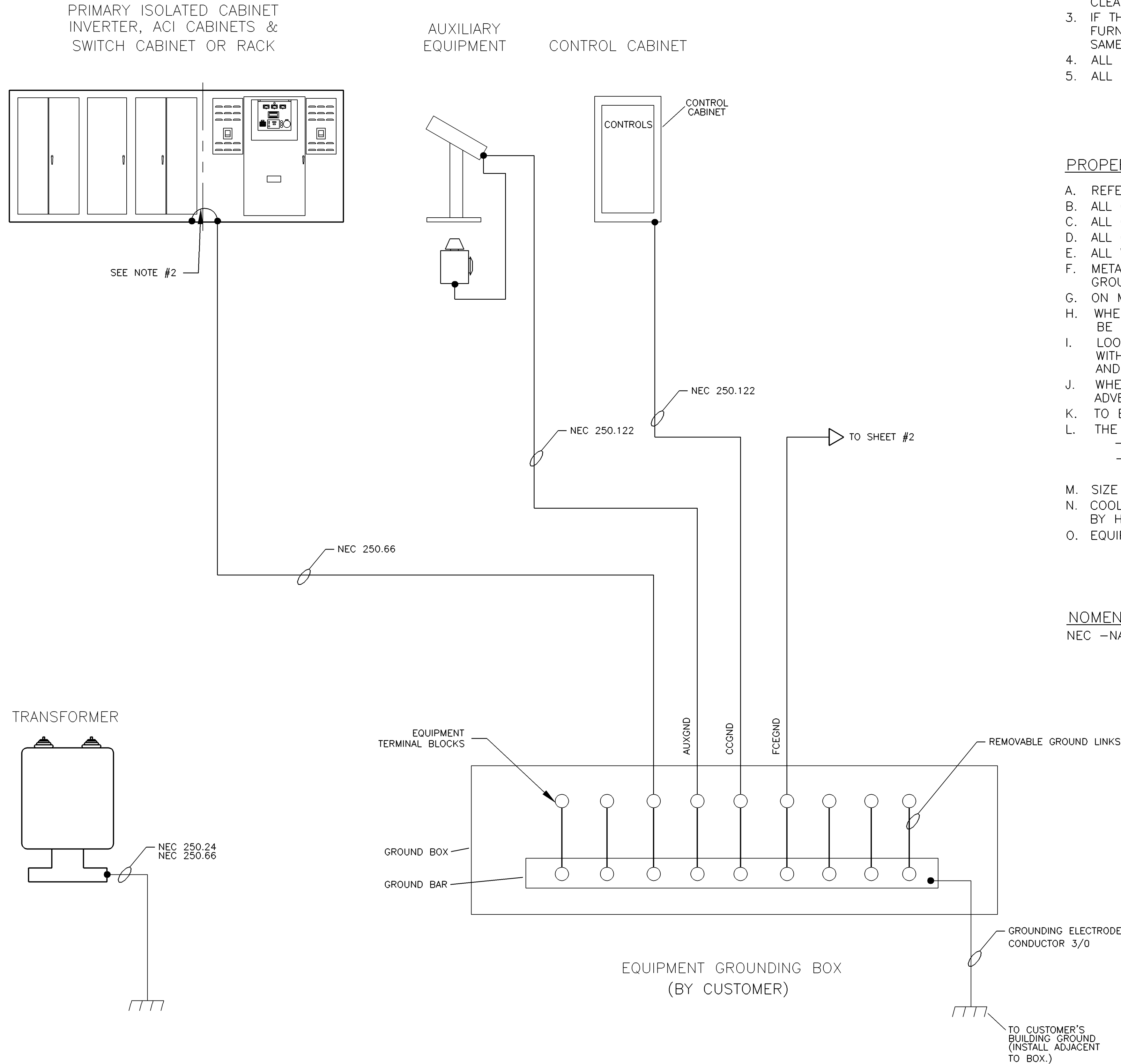


A

B

C

D



- NOTES:
1. ADDITIONAL GROUND CONDUCTOR REQUIRED IF CABINETS ARE SEPARATE.
 2. ALL EQUIPMENT GROUNDING CONDUCTOR MATING SURFACES SHALL BE CLEANED OF ALL DIRT AND DEBRIS TO THE BARE METAL.
 3. IF THE FURNACE SUPPORT ARM IS WELDED TO THE CHAMBER DOOR, THE FURNACE GROUND AND THE DOOR GROUND SHALL BE GROUNDED AT THE SAME POINT.
 4. ALL ELECTRICAL EQUIPMENT MUST BE GROUNDED.
 5. ALL EQUIPMENT AS REQUIRED. ITEMS SHOWN MAY NOT BE REQUIRED.

- PROPER EQUIPMENT GROUNDING:
- A. REFERENCE NEC 2005
 - B. ALL CABLES SIZED SHALL BE COPPER INSULATED CABLE.
 - C. ALL GROUND CABLES TO HAVE THERMO-PLASTIC COVERING.
 - D. ALL GROUND CONNECTIONS SHALL BE WITH LUGS AND PROPERLY LABELED WITH TAGS.
 - E. ALL WIRES SMALLER THAN #6 AWG REQUIRE PROTECTION PER NEC 250-64 (b)
 - F. METAL RACEWAY, PIPING, OR CONDUIT CANNOT SUBSTITUTE FOR EQUIPMENT GROUNDING CONDUCTOR.
 - G. ON MULTIPLE UNITS THAT ARE BOLTED TOGETHER APPLY NEC ARTICLE 250.96
 - H. WHERE CABINETS ARE INTERCONNECTED VIA CABLE TRAYS OR CONDUITS CARE MUST BE TAKEN NOT TO FORM LOOPS (SOURCES OF UNWANTED CURRENT).
 - I. LOOPS MAY BE LOCATED BY MEASURING THE CURRENT FLOW IN THE GROUND CABLES WITH A CLAMP ON METER OR BY MEASURING THE CURRENT BETWEEN THE GROUND BAR AND THE EQUIPMENT TERMINAL BY REPLACING LINK WITH A CURRENT MEASURING DEVICE.
 - J. WHEN A CIRCULATING CURRENT IS DETECTED, IT MUST BE ELIMINATED IF THE CURRENT ADVERSELY AFFECTS CONTROL CIRCUITS (APPLY NEC ARTICLE 250.96).
 - K. TO ELIMINATE AN OBJECTIONABLE CURRENT SEE NEC ARTICLE 250.6 (b).
 - L. THE FOLLOWING ARTICLES SHALL BE APPLIED FOR GROUNDING:
 - GROUND CABLE IDENTIFICATION PER ARTICLE 250.119.
 - EXPANDED METAL ENCLOSURES AROUND TRANSFORMERS OR BUS WORK PER ARTICLE 250.86.
 - M. SIZE ALL MOTOR GROUNDING CONDUCTORS PER NEC 250.122.
 - N. COOLING TOWER TO BE CONSIDERED GROUNDED WHEN CONNECTED TO PUMP MODULE BY HARD (METAL) PIPE.
 - O. EQUIPMENT GROUNDING BOX SHOULD BE MOUNTED IN ACCESSIBLE AREA.

NOMENCLATURE:
NEC -NATIONAL ELECTRIC CODE

ATTENTION: THIS DRAWING REFLECTS A SEPARATELY DERIVED UNGROUNDED AC SYSTEM PER NEC 250.30 (B)


WARNING

FAILURE TO USE INDUCTOTHERM APPROVED COMPONENTS MAY PRESENT A SAFETY HAZARD TO PERSONNEL AND DO SERIOUS DAMAGE TO EQUIPMENT. FAILURE TO USE INDUCTOTHERM APPROVED COMPONENTS WILL VOID ALL WARRANTIES.

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LTR	ZONE	BY	DATE	ENGINEER'S CHANGE NOTICE			
TOLERANCES				INDUCTOTHERM RANCOCAS NEW JERSEY 08073			
UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES							
REFER TO			TITLE				
			RECOMMENDED EQUIPMENT GROUNDING				
PROCEDURE No.			DIAGRAM (LINE ISOLATED)				
93-1118-1			DRAFTSMAN R.HAGY	ENGINEER R.HOPKINS	DRAWING NUMBER		ECN.
			REVIEWED BY E.TABATABAEI	DATE 3/27/07	00122536		—
FOR TOLERANCE			USED ON DWG /	SCALE:	SHEET 1 OF 2		CLASS
JOB REF.	STANDARD		PLOT SCALE: 1 = 1	NONE			C