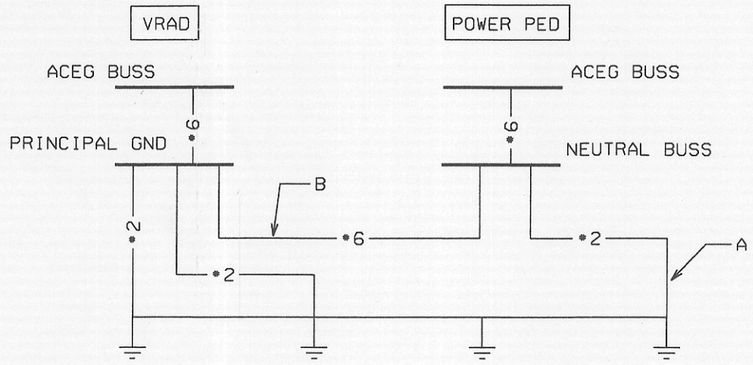
(A) THIS GIVES TWO OPTIONS OF CONNECTION TO THE GROUND RING. BOTH ARE ACCEPTABLE

ROUTE GND WIRE FROM AC SUB PWR PANEL DIRECTLY TO NEAREST GND ROD PER NEC CODE 250.
GROUND WIRE AY NOT BE SPLICED AND SHOULD BE ROUTED AS DIRECTLY AS POSSIBLE



A. WILL NOT BE CONNECTED IF POWER PED IS 10FT BEYOND THE GROUND RING. WILL BE CONNECTED TO AN INDEPENDANT GND.
B. THIS CONNECTION EXISTS ONLY WHEN POWER PED IS BEYOND GROUND RING.

WHEN INSTALLED, AC POWER PEDESTAL SHOULD BE LOCATED WITHIN 4FT OF THE CABINET.
THIS PERMITS THE PEDESTAL TO BE GROUNDED ON THE CABINET'S BURIED GROUND RING SYSTEM.
USE #6 AWG TIN-PLATED BARE SOLID COPPER WIRE FOR ALL GROUND CONNECTIONS.
PLACE MINIMUM 6" OF GRAVEL IN NEW POWER PEDESTAL AND REPLACE GRAVEL IN ANY EXISTING AC POWER PEDESTAL RE-ENTERED.

THE GND RING MUST BE MINIMUM OF 12" BELOW GRADE OR BELOW THE FROST LINE, WHICH
EVER IS GREATER.
GND RING MUST ALSO BE APPROXIMATELY 6" TO 24" FROM THE EDGE OF THE CABINET PAD.

AC SUB PANEL

7330 VRAD CABINET

VRAD PRINCIPAL BUSS BAR

ROUTE GROUND WIRE FROM VRAD PRINCIPLE BUSS BAR TOT HE GOUND ROD AND CAD WELD IN A 3-WAY CONNECTION INTO THE GR OUND RING.
INSURE NO-OXIDE IS APPLIED TO GND LEADS TERMINATED ON THE PRINCIPLE BUSS BAR.
APPROVED TWO (2) HOLE COMPRESSION CONNECTORS WITH CORRECT DYE MARKING MUST BE USED TO CONNECT THE SOLID #2 CONDUCTOR
TO THE CABINET GROUND BUSS.

INSTALL MINUMUM OF FOUR 95/8" X 8' COPPER
CLAD) GROUND RODS.
ALL CONNECTIONS TO THE GROUND RING INCLUDING THE ATTACHMENT TO THE GROUND RODS WILL BE CAD WELD CONNECTIONS.
(MAXIMUM 3-WAY CAD WELD CONNECTIONS)
NO 4-WAY CONNECTIONS.
ALL GROUNDRODS WILL BE COVERED WITH A FLUSH MOUNT GROUND CLOSURE FOR INSPECTION PURPOSES.
A MINIMUM OF 6" OF GRAVEL WILL BE REQUIRED
IN THE GROUND ROD INSPECTION WINDOW.
TAG ALL GROUND CONDUCTORS INSIDE THE INSPECTION WINDOW WITH A "C" TAG.

FROM AC NEUTRAL BUSS W/ CONDUCTORS. IF BEYOND GROUND RING. DOES NOT EXIST INSIDE THE GND RING.

WITHIN 10FT WILL BE OMITTED BEYOND 10FT

NOTE: POWER PED BEYOND 4FT REQUIRES INDEPENDANT GND.
BEYOND 8FT REQUIRES A SECOND GND SPACED 6FT FROM THE FIRST.

MAIN AC POWER PANEL

IF ONE OF THE GND RODS ARE WITHIN 10FT OF THE RING THIS CONNECTION IS MAINTAINED. IF IT IS BEYOND 10FT THIS CONNECTION WILL NOT EXIST.

SAI
#2 TINNED GND WIRE TO SAI

NOTE: OPTIONAL BEYOND 10FT GND PLACEMENT

at&t	Ref			Date Req
RNO (ARES)	Geo Loc	WC:		Date Issued
Municipality	County	Township	1/4Sec	Tax Dist
Location & Description: GROUND RING DESIGN 1/23/2008				
ENG'R ARC: VOSDELD20	ENGINEER: TY WESTON	Tel#: 209-474-4366	PLR	
REVISIONS:			Maj. Code:	
			EWO:	DESIGN #
			PRINT	OF

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