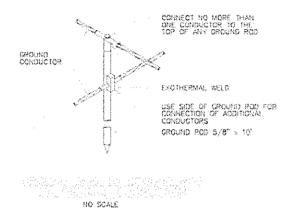
	F.A.P. RTE.	SECTION	CTION COUN		UNTY	TOTAL SHEETS	SHEET NO.
338/IL 59 -2011 0		- 2011 - 035	35-1 DU		PAGE		
CONTRACT 60P42				P42			
	FED.ROAD.DIST.NO,		ILLINO	IS	FED.	AID PRO	JECT

- A. APPLICABLE STANDARDS FOR SUBSTATION GROUNDING DESIGN
 - 1. ANSI/IEEE Std 80-1986 IEEE Guide for Safety in AC Substation Grounding
 - 2. NESC (NATIONAL ELECTRIC SAFETY CODE) All Applicable
- TYPICAL GROUND GRID INFORMATION (taken from ANSI/IEEE std 80-1986)
 Typical conductor spacing 10-50 ft. Grid should be
 - equally spaced.

 Typical grids depths 12-18 inches.

C. SUBSTATION GROUND GRID STANDARD MATERIAL

IN STOCK ITEM	4/0 BARE CU WIRE	28010700070
IN STOCK ITEM	5/8" X 10"	28315600010
NOT STOCK ITEM	EXOTHERMAL WELD	N/A



D. EQUIPMENT GROUNDING STANDARD MATERIAL CONNECTORS ARE NON-STOCK ITEMS

BURNDY HYGROUND SYSTEM OR EVALUATED EQUIVALENT REQUIRED TOOLS & DIES DPUE HAS PURCHASED

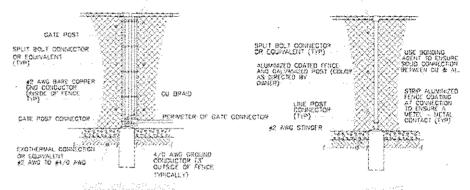
BURNDY HYPRESS Y750BH BURNDY Y700DC-1B BURNDY Die#U289RT BURNDY Die # U997 BURNDY UPRECRIMP 58

NOTE: If specified connectors cannot be crimped with the above noted tools and dies the necessary tools and dies will need to be

B. FENCE GROUNDING STANDARD MATERIAL AND INSTALLATION

· * **** *** **** ***** ***** *****	MOTING PRIDICING PERSON INCOMMENTATION	
NAPERVILLE PUBLIC		DATE: 11/13/96
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ELECTRIC STANDARDS	GROUNDING REQUIREMENTS	C60-1110

IN STOCK ITEM	#2 BARE CU WIRE	28011200030
NOT STOCK ITEM	SPLIT BOLT CONNECTOR	N/A
NOT STOCK ITEM	TOP RAIL CONNECTOR	N/A
NOT STOCK ITEM	PERIMETER GATE CONNECTOR	N/A
NOT STOCK ITEM	GATE POST CONNECTOR	N/A.
NOT STOCK ITEM	COPPER BRAID	N/A
NOT STOCK ITEM	LINE POST CONNECTOR	N/A
NOT STOCK ITEM	EXOTHERMAL WELD	N/A



NOTE: GROUND LINE POSTS EVERY 30 FEET. CORNER POSTS ARE NOT GROUNDED. ALL GROUND SOMECTIONS SHALL SE CONSTRUCTED TO ACCOMMON TO SEE OU CROWN WIRE AND THE ALLWINGED FENCE FABRIC. ALL CONNECTORS TO BE IN PLACE.

NO SCALE

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ELECTRIC STANDARDS	GROUNDING REQUIREMENTS	C60-1110
	<u> </u>	<u> </u>

PROJECT TITLE)UTE 59 F	ROAD IMPR	OVEMENTS	
DETAILS AND STANDARDS					
BCC BCC		5-11-12	4211,4212,4223		
ORS DESIGN BY	PSM	PEVISIONS DATE	N/A	PROVECT F EU-12	
CHECKED BY		APPROVED BY	0060648001D154.DWG	54 OF 63	
Naperville Department of Public Utilities Electric Division				60468	