



- GENERAL NOTES:**
- USE CABLE SPACERS FOR 2250 MCM AAC/ACSR CONDUCTORS EVERY 5'.
 - INSTALL 336 KCMIL ACSR DAMPER WIRE IN 5" ALUMINUM BUS.
 - INSTALL CAMBER ON 5" ALUMINUM BUS.

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED	NO.	DATE	REVISION DESCRIPTION	BY	APPROVED
1	3-4-13	CONSTRUCTION REVISIONS, NO CHANGES	NJG	[Signature]	0	03-08-12	ISSUED FOR CONSTRUCTION	NTC/BAV	CLN/B&V
0	03-08-12	ISSUED FOR CONSTRUCTION	NTC/BAV	CLN/B&V					

BLACK & VEATCH CORPORATION
 I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NORTH DAKOTA.
 ENGINEER: NTC, DRAWN: LMCO, CHECKED: CLN, DATE: 03-08-12, SIGNED: CHRIS NAGARAJ, DATE: 03-08-12, REG. NO.: 6478

minnesota power

BISON WIND GENERATING FACILITY
 NEW SALEM, ND

BISON 230KV SUBSTATION
 ELECTRICAL PLAN & ELEVATIONS
 SECTION L-L

SHEET 6 REV. 0
 ME-32815-17

CADD DRAWING - FOR REPRODUCTION ONLY SCALE: 1/8"=1'-0"

CODE 3500 3010