



BISON 2 EXISTING

BISON 3 2011/2012

BISON 2 2011/2012

LEGEND

- ▲ OPERATOR MECHANISM
- ⊗ 85W OUTDOOR LIGHT

NOTES:

1. PROVIDE 1/4" WEEP HOLES IN ALUMINUM TUBE BUS FOR DRAINAGE.
2. INSTALL 336 KCMIL ACSR DAMPER WIRE IN 4" ALUMINUM BUS.
3. ALL ALUMINUM WELDED FITTINGS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. INSTALL CAMBER UP ON 4" ALUMINUM BUS.
5. ALL ALUMINUM BUS TO BE WELDED IN ACCORDANCE WITH SPECIFICATION, M.P. CONSTRUCTION STANDARD BS01CD SHEETS 1-5 AND MANUFACTURER'S INSTRUCTIONS.

MARK-UPS  
8-15-11

NO.	DATE	REVISION DESCRIPTION	BY	APPROVED	NO.	DATE	REVISION DESCRIPTION	BY	APPROVED
1A	08-01-11	ISSUED FOR REVIEW	NIC/B&W	CLN/B&W	1	6-15-11	CONSTRUCTION REVISION WO-17400	AJW	CLN/B&W
0	05-03-10	ISSUED FOR CONSTRUCTION	CLN/B&W	CLN/B&W					

BLACK & VEATCH CORPORATION  
I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NORTH DAKOTA.  
SIGNED: [Signature]  
DATE: 08-23-10  
PROJECT NUMBER: 6478



BISON WIND GENERATING FACILITY  
NEW SALEM, ND

BISON 230kV SUBSTATION  
ELECTRICAL PLAN & ELEVATIONS  
PLAN VIEW

SHEET 1 REV. 1A  
ME-32815-17