

MINNESOTA POWER WINDFARM PROJECT - BISON 2 MORTON AND OLIVER COUNTIES, NORTH DAKOTA

COLLECTOR SYSTEM DRAWING LIST

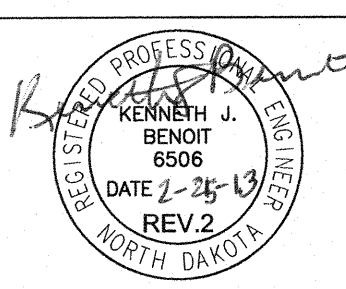
DWG. NO.	DRAWING TITLE
COLLECTOR SYSTEM	
E-BM-01	BILL OF MATERIAL - PRIMARY CONDUCTOR AND COMMUNICATIONS
E-BM-02	BISON 2 BILL OF MATERIALS
E-CA-01	CABLE TRENCH CROSS SECTION
E-CA-02	CABLE GROUNDING DETAIL
E-CA-03	ROAD AND CABLE CROSSING DETAILS
E-CS-1	COVER SHEET
E-FD-01	FIBER OPTIC PANEL DETAIL
E-FL-10	FIBER OPTIC CABLE LAYOUT
E-FL-11	FIBER OPTIC SCHEMATIC DETAIL FEEDER 808
E-FL-12	FIBER OPTIC SCHEMATIC DETAIL FEEDER 809
E-FL-13	FIBER OPTIC SCHEMATIC DETAIL FEEDER 810
E-FL-14	FIBER OPTIC SCHEMATIC DETAIL FEEDER 811
E-FL-15	FIBER OPTIC SCHEMATIC DETAIL FEEDER 812
E-FS-01	ABOVE GRADE FIBER OPTIC SPLICE (3-WAY)
E-FS-02	ABOVE GRADE FIBER OPTIC SPLICE (4-WAY)
E-FS-03	BELOW GRADE FIBER OPTIC HAND HOLE
E-GA10	GENERAL ARRANGEMENT, COLLECTOR OVERALL SITE
E-GA11	GENERAL ARRANGEMENT DETAIL
E-GA12	GENERAL ARRANGEMENT DETAIL
E-GA13	GENERAL ARRANGEMENT DETAIL
E-GA14	GENERAL ARRANGEMENT DETAIL
E-GA15	GENERAL ARRANGEMENT DETAIL
E-GA16	GENERAL ARRANGEMENT DETAIL
E-GT-01	GROUNDING TRANSFORMER DETAIL
E-MT-01	MET TOWER SERVICES
E-MT-02	MET TOWER SITE PLAN
E-PM-01	690V STEP-UP TRANSFORMER RADIAL FEED
E-SD-03	3-WAY SWITCH CABINET DETAIL
E-SD-04	4-WAY SWITCH CABINET DETAIL
E-SL-10	34.5KV COLLECTOR SYSTEM SINGLE LINE
E-TD-01	CONDUIT & GROUNDING DETAIL

PREPARED BY



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NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
A	RJG	CSF	CSF	7/1/11	90% DELIVERABLE
B	RJG	CSF	CSF	7/8/11	REVISIONS PER CLIENT COMMENTS
C	BNK	RJG	CSF	7/21/11	REVISED LIST
0	BNK	RJG	CSF	8/4/11	ISSUED FOR CONSTRUCTION
1	BNK	RJG	CSF	10/7/11	UPDATED DRAWING LIST
2	NJG	CSF	CSF	10/31/12	CONSTRUCTION REVISIONS, NO CHANGES



CLIENT	7/1/11/8/11/7/21/11/8/4/11/10/7/11
BID	
CONSTRUCTION	
PERMITTING	
RELEASED TO/FOR	A B C 0 1 2 3
DATE RELEASED	

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Scale	N.T.S.
Date	07/01/11
Drawn	RJG
Checked	CEG
Designed	RJG
Approved	JLM

A WIND ENERGY INITIATIVE OF MINNESOTA POWER IN NORTH DAKOTA

BISON 2 WIND PROJECT
MORTON & OLIVER COUNTIES, NORTH DAKOTA

COLLECTOR SYSTEM
COVER SHEET

BARR PROJECT No.	34/33-1007
CLIENT PROJECT No.	
DWG. No.	E-CS-1
REV. No.	2