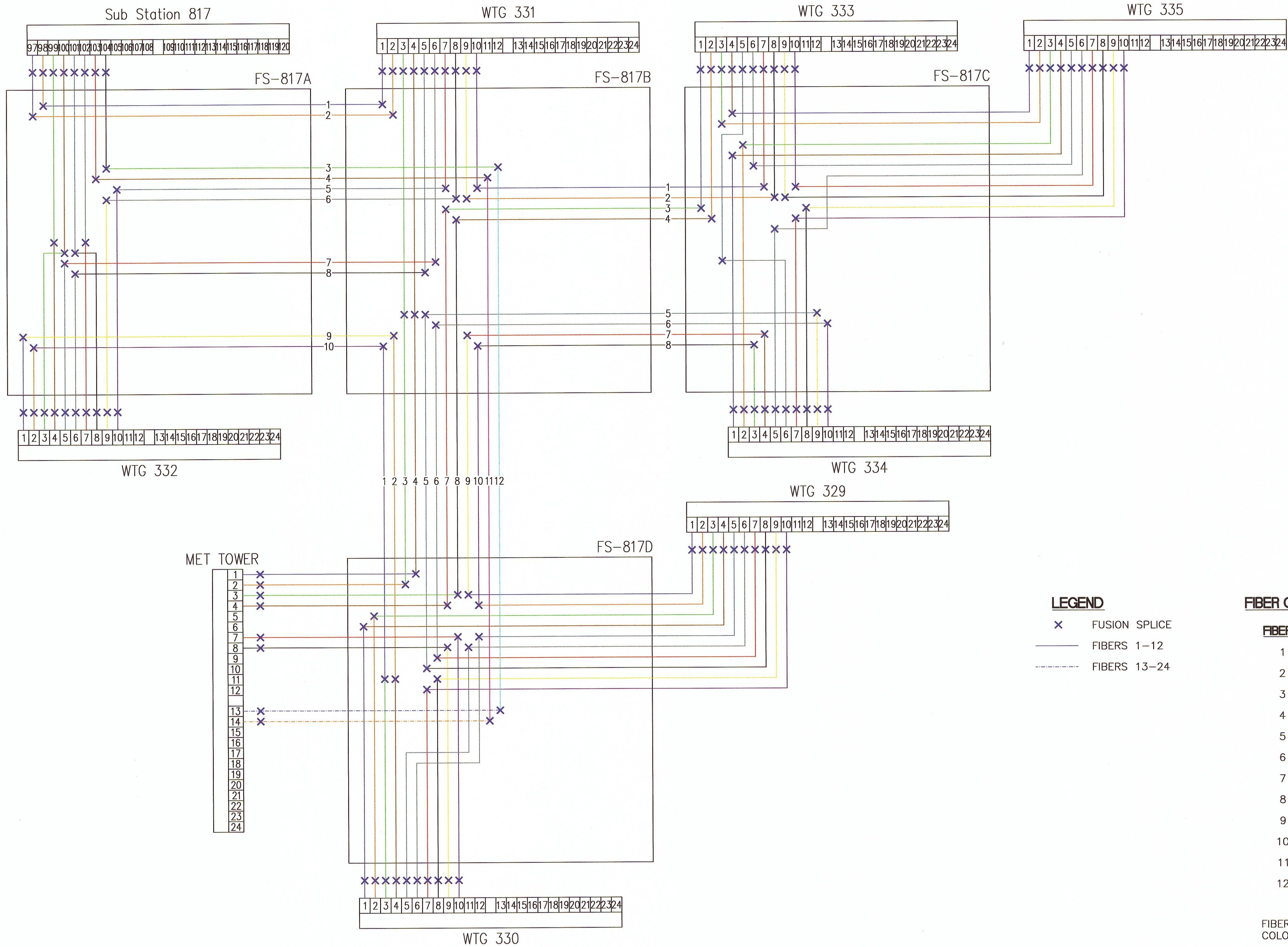
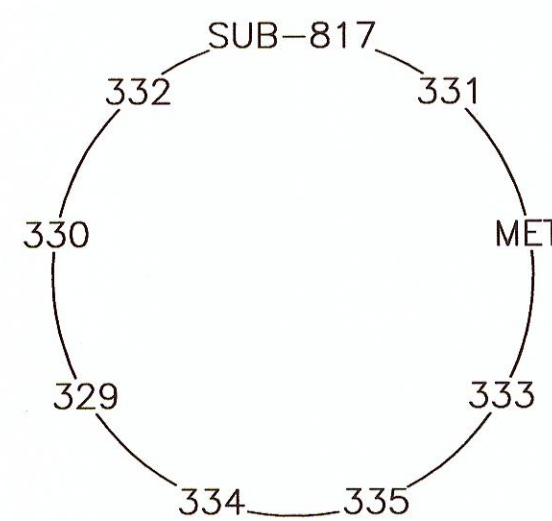


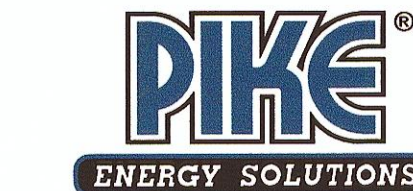


FIBER TOPOLOGY RING



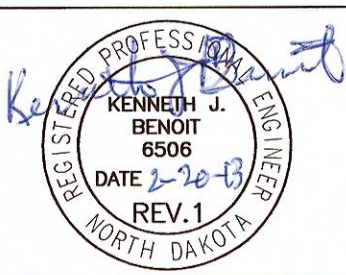
NOTE:

- FIBERS 13 AND 14 USED FOR MET TOWER LIGHTS ALARMING.
- ALL FIBER AND SPlicing MUST ADHERE TO SIEMENS TEST SPECIFICATION FOR FIBER OPTIC INFRASTRUCTURE.



PIKE ENERGY SOLUTIONS, LLC.
10101 Claude Freeman Drive, Suite 100W
Charlotte, NC 28262
ND License No. 954PE

A	BNK	CEG	CSF	8/16/11	85% DELIVERABLE
B	BNK	CEG	CSF	9/20/11	90% DELIVERABLE
O	BNK	CSF	JLM	10/4/11	ISSUED FOR CONSTRUCTION
1	NJG	CSF	JLM	12/3/12	CONSTRUCTION REVISIONS, NO CHANGES
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION



CLIENT	8/16/11	9/20/11	10/4/11				
BID							
CONSTRUCTION PERMITTING							
RELEASED TO/FOR	A	B	C	O	1	2	3



Project Office:
BARR ENGINEERING CO.
4700 WEST 77TH STREET
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www.barr.com

Scale	N.T.S.
Date	08/16/11
Drawn	BNK
Checked	CSF
Designed	CEG
Approved	JLM



A WIND ENERGY INITIATIVE OF MINNESOTA POWER IN NORTH DAKOTA

BISON 3 WIND PROJECT
MORTON & OLIVER COUNTIES, NORTH DAKOTA

FIBER OPTIC
SCHEMATIC DETAIL FEEDER 817

BARR PROJECT No.	34/33-1006
CLIENT PROJECT No.	
DWG. No.	E-FL-35
REV. No.	1