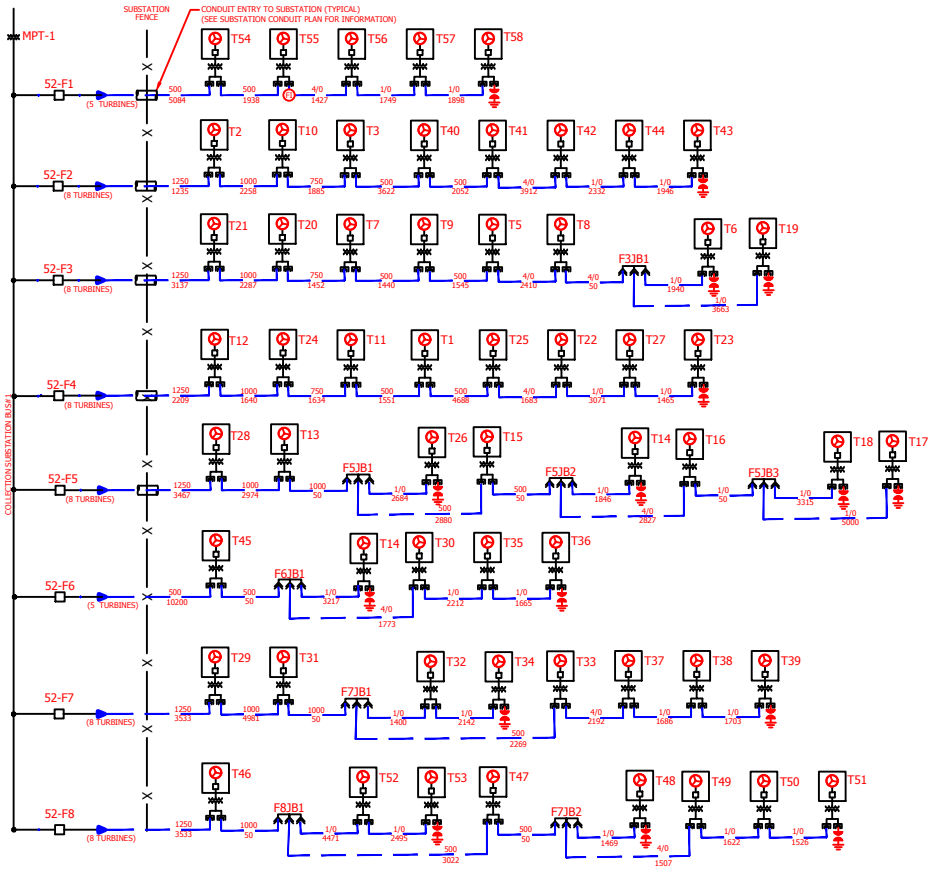
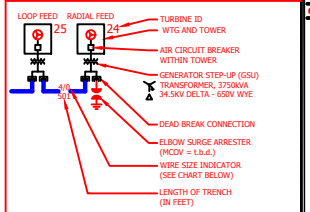


PRELIMINARY - DO NOT USE FOR CONSTRUCTION

TURBINE ARRANGEMENT DETAIL



SYMBOL LEGEND

- XYZ — WIND TURBINE GENERATOR
- CABLE TERMINATION AT RISER
- SURGE ARRESTER, ELBOW STYLE
- UNDERGROUND COLLECTOR SYSTEM TRENCH (POWER + COMMUNICATIONS + GROUND CABLES)
- JBX-X — ABOVE GRADE 2-WAY SPLICE BOX FOR PD TESTING
- JBX-X — ABOVE GRADE 3-WAY JUNCTION BOX
- 52-F# — FEEDER CIRCUIT BREAKER (SEE SUBSTATION PACKAGE FOR MORE INFORMATION)

NOTES

1. CONDUCTOR LENGTHS SHOWN DO NOT INCLUDE ANY ADDITIONAL LENGTH FOR CROSSINGS, TURNS, ELEVATION CHANGE, TOWER ENTRY, CUTTING, SPLICING, ETC.
2. COLLECTOR SYSTEM TRENCHES WILL ALSO CONTAIN FIBER OPTIC CABLE AND CONTINUOUS GROUND WIRE. (REFER CD01 FOR MORE INFORMATION)
3. CABLE ROUTING AND JUNCTION BOX PLACEMENT SHOWN ARE PRELIMINARY AND MAY BE FIELD-ADJUSTED BASED ON REEL-MANAGEMENT AND SITE CONDITIONS. HAVE OWNER REVIEW FINAL PLACEMENT.
4. INTERMEDIATE UNDERGROUND CABLE SPLICE LOCATIONS NOT SHOWN OR COUNTED. CONTRACTOR SHALL INSTALL SPLICES BASED ON CABLE REEL MANAGEMENT TECHNIQUES PER SPLICING GUIDELINES AND SPLICE MANUFACTURER'S INSTRUCTIONS.

WIRE INFORMATION CHART

WIRE	CONDUCTOR INFO	VOLTAGE	CN SIZE	NOTES
1250	1250 KCMIL, Al	35kV	TBD	
1000	1000 KCMIL, Al	35kV	TBD	
750	750 KMCIL, Al	35kV	TBD	
500	500 KCMIL, Al	35kV	TBD	
4/0	4/0 AWG, Al	35kV	TBD	
3/0	3/0 AWG, Al	35kV	TBD	
1/0	1/0 AWG, Al	35kV	TBD	

ISSUED/REVISED FOR:

NO.	BY	DATE	DESCRIPTION

PROJECT MANAGER:	PROJECT-MGR
ENGINEER:	ENGINEER-NAME
DESIGNER:	DESIGNED-BY
DRAFTER:	DRAWN-BY
DATE:	DATE
SCALE:	SCALE
CHECKED BY:	CHECKED-BY
ELEC. APPROVAL:	ELEC-APPROVED
CIVIL APPROVAL:	CIVIL-APPROVED

PROJECT DESIGNED FOR:

HERITAGE WIND

PROJECT:

TITLE:

SEAL

SEAL

PROJECT NUMBER