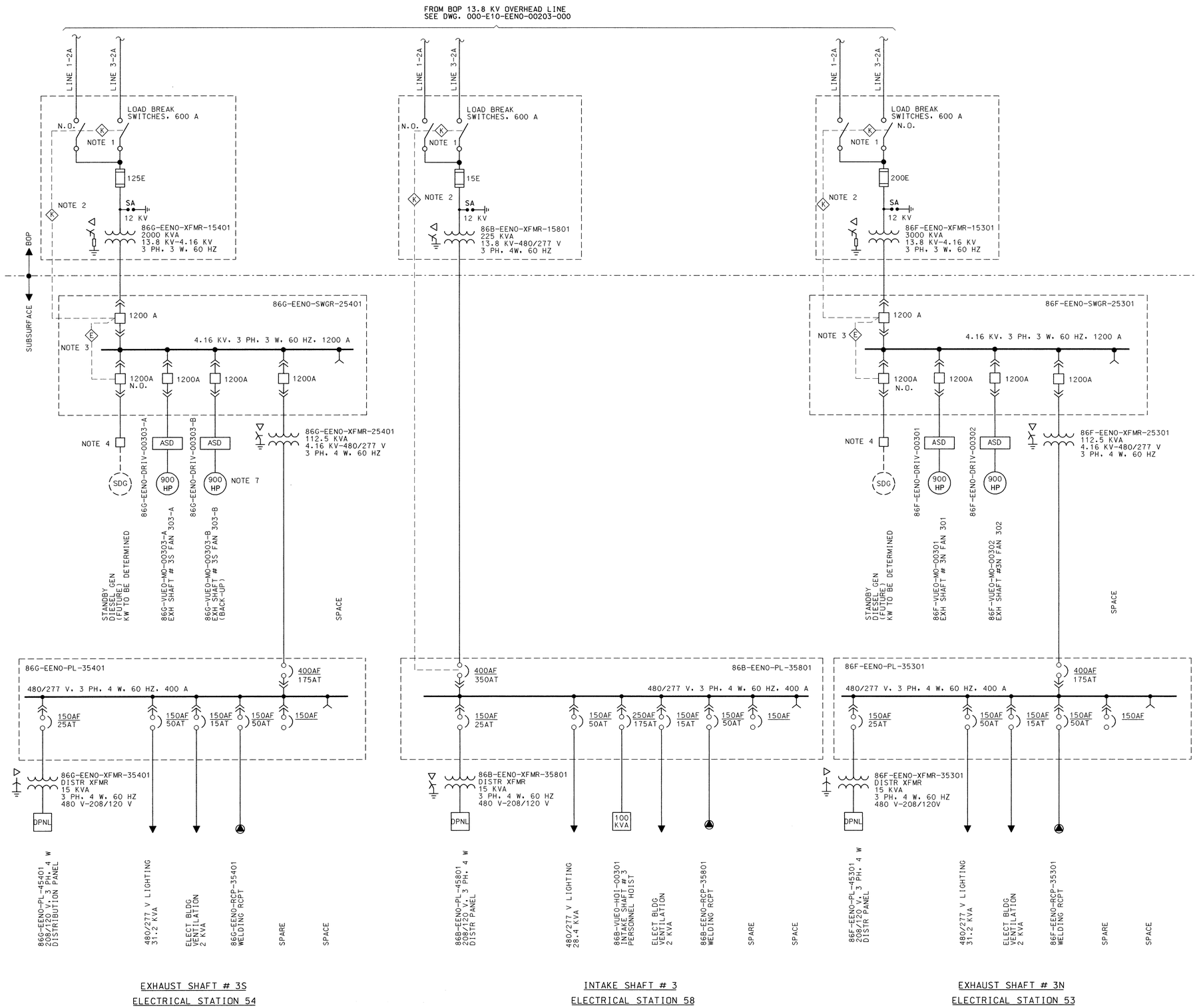
ENG.20071001.0007



NOTES:

1. THE DUPLEX SWITCH CONFIGURATION PROVIDES SOURCE SELECTIVITY WITH COMMON LOAD SIDE BUS FEED INTO A COMMON LOAD. KEY INTERLOCKS ARE PROVIDED TO PERMIT ONLY ONE SWITCH TO BE CLOSED AT ONE TIME OR BOTH SWITCHES OPEN.
2. KEY INTERLOCK SHALL BE ARRANGED SO THAT 480 V (FOR INTAKE SHAFT) OR 4.16 KV (FOR EXHAUST SHAFT) MAIN CIRCUIT BREAKER IS OPENED BEFORE THE 13.8 KV LOAD BREAK SWITCH IS OPENED AND LOAD BREAK SWITCH IS CLOSED BEFORE THE MAIN CIRCUIT BREAKER CAN BE CLOSED.
3. ELECTRICAL INTERLOCK PROVIDED TO HAVE THE SWITCHGEAR MAIN CIRCUIT BREAKER OPENED BEFORE THE SDG CIRCUIT BREAKER IS CLOSED UPON LOSS OF NORMAL POWER. UPON RETURN OF NORMAL POWER, THE SDG CIRCUIT BREAKER IS OPENED BEFORE THE SWITCHGEAR CIRCUIT BREAKER IS CLOSED.
4. PROVISION FOR FUTURE CONNECTION OF A STANDBY DIESEL GENERATOR.
5. CABLE IDENTIFICATION AND SIZES WILL BE DETERMINED IN DETAIL DESIGN.
6. MAIN BREAKER TRIP RATINGS WILL BE DETERMINED IN DETAIL DESIGN.
7. BACK-UP MOTOR TO BE ENERGIZED ONLY WHEN THE NORMALLY OPERATING MOTOR IS DE-ENERGIZED.

REFERENCE DRAWINGS:

000-E0J-EE00-00101-000	ELECTRICAL STANDARD ABBREVIATIONS
000-E0J-EE00-00102-000	ELECTRICAL STANDARD ABBREVIATIONS
000-E0J-EE00-00201-000	ELECTRICAL SYMBOLS & LEGEND
860-E10-EEN0-00102-000	SUBSURFACE FACILITY EXHAUST AND INTAKE SHAFTS MAIN SINGLE LINE DIAGRAM
860-E10-EEN0-00103-000	SUBSURFACE FACILITY EXHAUST AND INTAKE SHAFTS MAIN SINGLE LINE DIAGRAM
000-E10-EEN0-00203-000	NORMAL POWER SYSTEM 13.8 KV VENTILATION SINGLE LINE DIAGRAM

THIS DRAWING IS PRELIMINARY AND NOT INTENDED FOR CONSTRUCTION, PROCUREMENT OR FABRICATION.

REV	DESCRIPTION	DATE	ORG	CHK	EGS	PE	DEM	N/A	QE
A	SUPERSEDES 800-E10-EEN0-01801-000. UPDATED LOAD DESCRIPTION, EQPT NO.'S, NOTES, PHASING & ISSUED FOR LICENSE APPLICATION	4/27/07		SM	SAM	MJ	RF	N/A	N/A

REVISION HISTORY

APPROVALS	INITIAL/DATE
ORIGINATOR L. GATCHALIAN	4/27/07
CHECKER S. MIKHAIL	SM 4/27/07
ENGINEERING GROUP SUPERVISOR E. MADRID	SAM 4/27/07
PROJECT ENGINEER M. JOHNSON	MJ 4/27/07
DISCIPLINE ENGINEERING MANAGER R. FOSTER	4/27/07
N/A	N/A
QE CONCURRENCE N/A	N/A

U.S. DEPARTMENT OF ENERGY
Office of Civilian Radioactive Waste Management
BECHTEL SAIC COMPANY, LLC — Management and Operation of the Office of Civilian Radioactive Waste Management Program

SUBSURFACE FACILITY EXHAUST AND INTAKE SHAFTS SINGLE LINE DIAGRAM

SAFETY CLASSIFICATION	DOCUMENT IDENTIFIER
NON-ITS & NON-ITWI	860-E10-EEN0-00101-000

SIZE	SCALE	CAD FILENAME	REV
D	N/A	860E10EEN000101.DGN	00A

CAGE CODE:

ARCH D – 24"×36" RECORD DESIGNATOR QA: N/A

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