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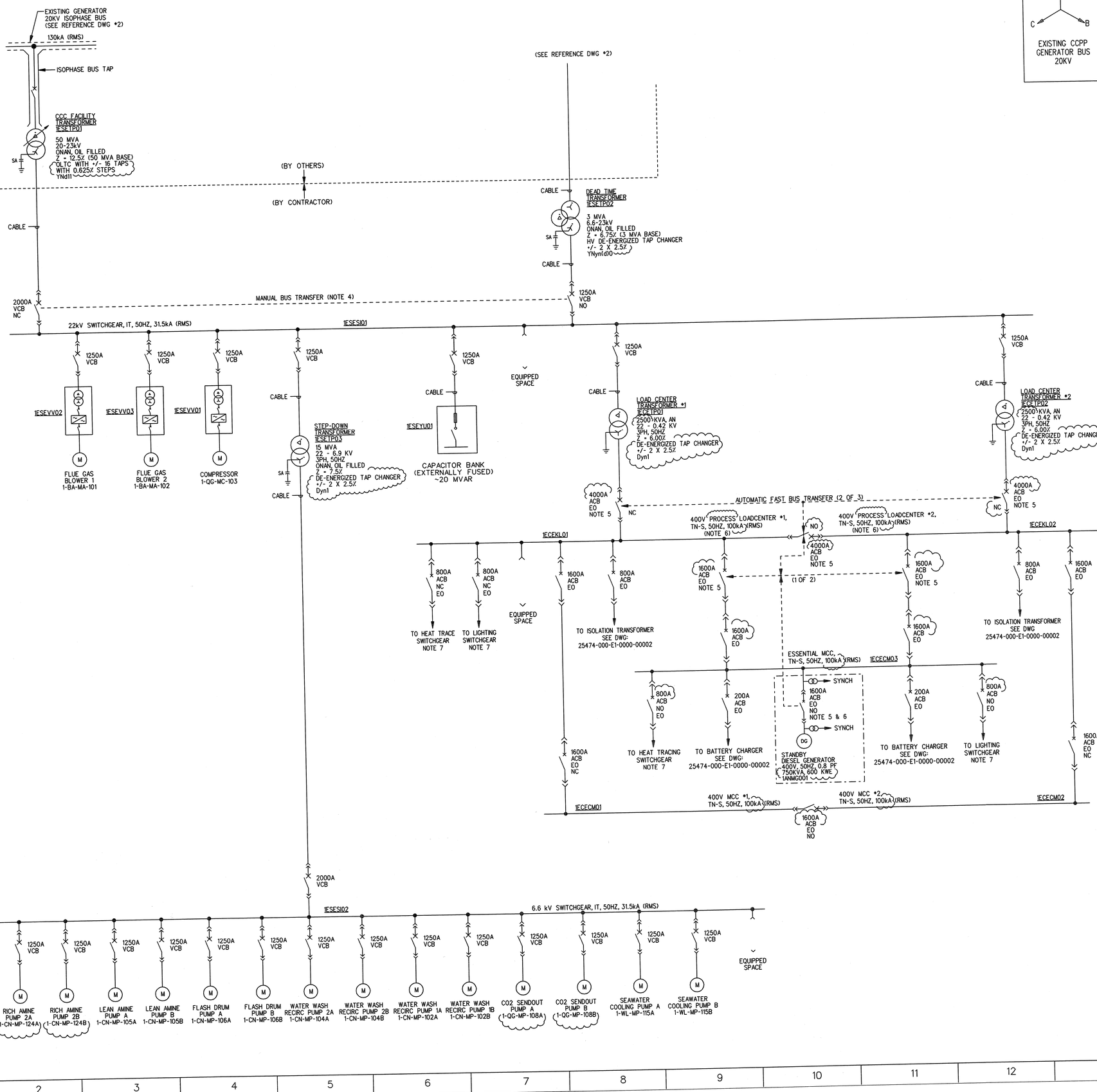

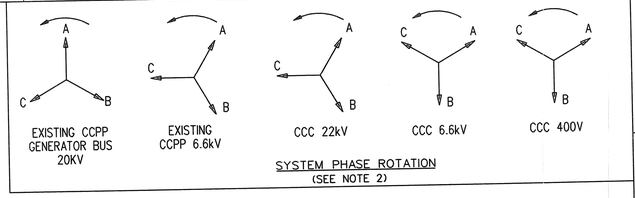

NOTES:

1. EQUIPMENT SIZES AND RATINGS ARE PRELIMINARY.
2. PHASE ROTATION TO BE CONFIRMED.
3. MV SWITCHGEAR SHALL BE INTERNAL-ARC CLASSIFIED PER IEC 62271-200.
4. MANUALLY INITIATED MAKE BEFORE BREAK LOAD LIMITED TRANSFER.
5. INTERLOCKS SHALL BE PROVIDED TO PREVENT PARALLELLING OF SOURCES EXCEPT DURING STANDBY DIESEL GENERATOR TESTING.
6. LOSS OF VOLTAGE ON BOTH BUSSES SIGNALS AN EMERGENCY CONDITION, OPENS BOTH INCOMING BREAKERS, CLOSES TIE BREAKER, AND STARTS DIESEL GENERATOR.
7. LIGHTING AND HEAT TRACING MAIN SWITCHGEAR WILL BE TWO HALF BUS BARS ARRANGEMENTS WITH A NORMALLY OPEN COUPLER.

REFERENCE DRAWINGS:

1. PRINCIPLE SINGLE LINE DIAGRAM CO2 CAPTURE COMPRESSION FACILITY	FITCHNER DRAWING NUMBER: 10112936-FI-B-CON-0284-04 SHT 1
2. PRINCIPLE SINGLE LINE DIAGRAM TIE-IN TO EXISTING SYSTEM ALTERNATIVE 2	FITCHNER DRAWING NUMBER: 10112936-FI-B-CON-0284-04 SHT 3

LEGEND

- POWER FACTOR CORRECTION CAPACITOR BANK
- VARIABLE FREQUENCY DRIVE
- TRANSFORMER WITH DELTA STABILIZING WINDING

ATS	AUTOMATIC TRANSFER SWITCH
ACB	AIR CIRCUIT BREAKER
VCB	VACUUM CIRCUIT BREAKER
EO	ELECTRICALLY OPERATED
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OLTC	ON-LOAD TAP CHANGER
RMS	ROOT MEAN SQUARED
SA	SURGE ARRESTOR

- WITHDRAWABLE OR PLUG-IN CIRCUIT BREAKER
- POTENTIAL TRANSFORMER
- SURGE ARRESTOR

PRELIMINARY

NO.	DATE	REVISIONS	BY	CHK	DES	ENGR.	PROJ	APPR
2	24 Nov 08	REVISED PER 10112936-S-FIPB-E-0171 AND AS NOTED	SS	RP	—	BR	WRE	
1	11 Jul 08	REVISED PER 10112936-S-FIPB-E-0020 AND AS NOTED	SS	RP	—	BR	WRE	
0	08 Jul 08	ISSUED FOR APPROVAL	SS	PK	—	BR	WRE	

Owner: GASSNOVA
Owner Drawing No.: 10112936-PB-E-DGM-0001
Contractor: BECHTEL POWER CORPORATION FREDERICK, MARYLAND

CO2 KARSTO PROJECT

MAIN SINGLE LINE DIAGRAM

Sheet Size 594 X 841 "A1" | Scale 1:500

JOB NO.	DRAWING NO.	REV.
25474-000	E1-0000-00001	2