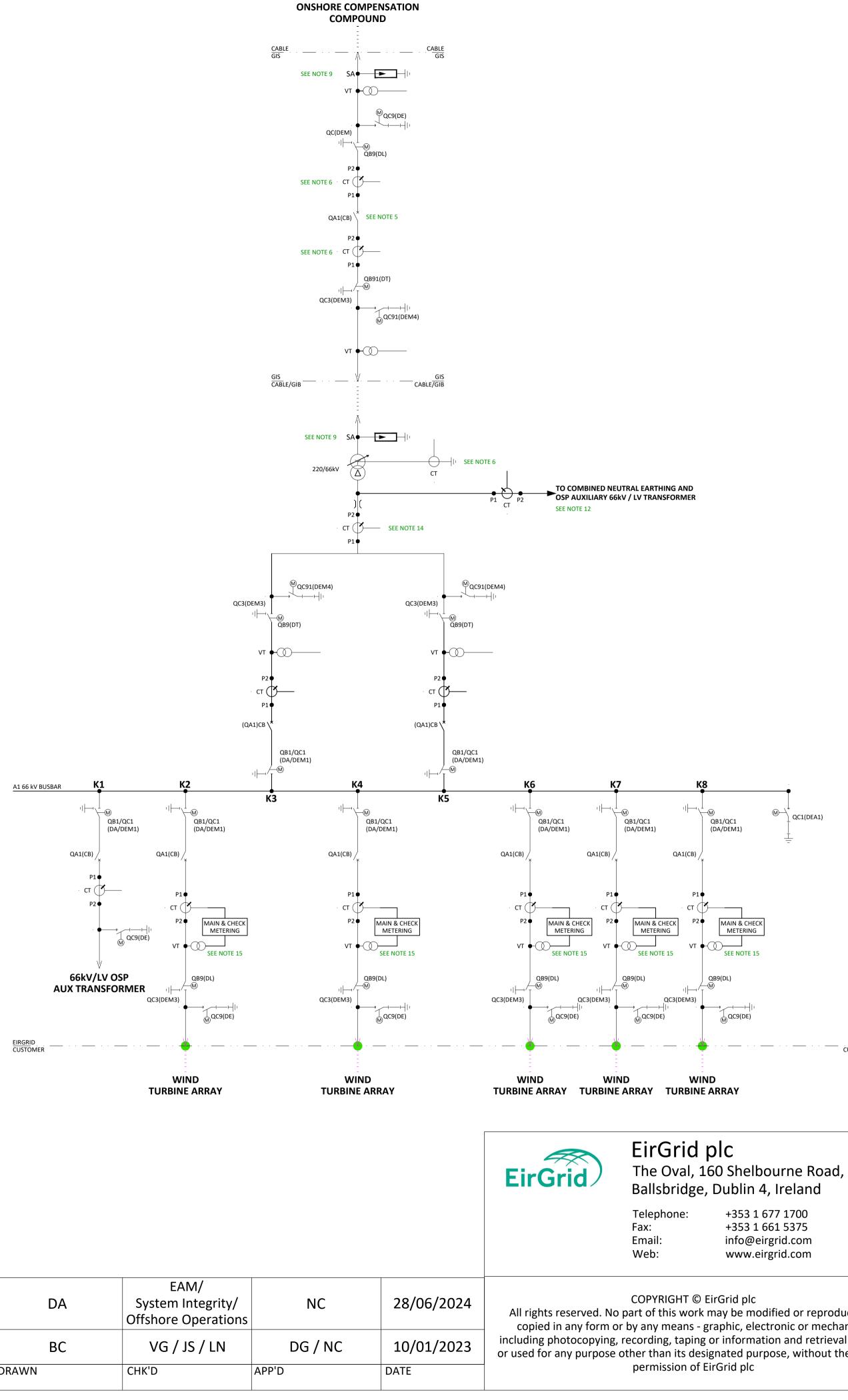
Γ		1		2	2							
		1				2	3					
		220 kV GIS STATION MINIMUM ALL YEAR ROUND RATINGS										
			220 KV GIS STAT	1 1	T CIRCUIT RATING							
		FEEDER E	ЗАҮ	2500A 2500A	40kA							
	A	HV BAY C	CONDUCTOR RATINGS	S SHALL OUTLINE RATINGS FOR SUMMER								
		AUTUM	N.									
			STAND	ARD IEC/ESB DESIGNATORS - GIS								
			DESIGNATOR DESIGNATOR)	DESCRIPTION								
		QA1(CB)		CIRCUIT BREAKER								
		QB1(DA)		BUSBAR DISCONNECT								
		QB9(DL)		LINE DISCONNECT								
		QB9(DT)										
		QB91(DT QC/QC1/	) /QC2/QC3									
		(DEM/DE	M1/DEM2/DEM3)	MAINTENANCE EARTH SWITCH								
-		QC1(DEA	1)	BUSBAR EARTH SWITCH								
		QC9(DE)		ISOLATABLE HIGH SPEED EARTH DISCO	NNECT							
		QC91(DE	M4)	ISOLATABLE HIGH SPEED EARTH DISCO	NNECT							
				]								
			LEGEND									
		SA	SURGE ARRESTOR									
		СТ	VOLTAGE TRANSF									
	В	KEY										
				E OWNED BY EIRGRID								
			NEW - CUST									
		- O-	— MULTICORE	СТ								
		_ <b>∞</b> -	— MULTIWIND	ING VT								
		)(	THROUGH V	WALL OF BUILDING								
		Λ	CABLE SEALI	NG END / GIS CABLE TERMINATIO	N							
F			CABLE									
			CONNECTIO									
		NOTE 1		NFOINT								
			NOTE 1: THIS SLD IS AN ELECTRICAL REPRESENTATION OF THE STATION.									
	С		DEVIATIONS IN ASSET CONFIGURATIONS ARE ACCETPABLE DEPENDING ON THE SPECIFIC PROJECT REQUIREMENTS, I.E. QUANTITY OF MV									
		DATS, F	BAYS, HV TRAFOS, ETC. THE FINAL ARRANGEMENT SHALL BE AGREED WITH EIRGRID.									
			NOTE 2: THE SPECIFIC MINIMUM 2 PHASE SHOPT CIPCUIT BAY PATING 40KA FOR 220KV SYSTEMS ADDUES TO BOTH ELECTRICAL AND MECHANICAL FORCES									
			THE SPECIFIC MINIMUM 3 PHASE SHORT CIRCUIT BAY RATING 40KA FOR 220KV SYSTEMS APPLIES TO BOTH ELECTRICAL AND MECHANICAL FORCES.									
			NOTE 3: THIS IS AN SCS STATION.									
			A GIS STATION.									
		NOTE 4:										
		ALL 220	kV DISCONNECTS	SHALL BE MOTORISED.								
		NOTE 5:										
		220 kV S	SINGLE POLE CIRC	UIT BREAKER CONTROL REQUIREN	VIENTS SHALL BE E	ALUATED AND PROPOSED BY THE CUSTOMER.						
		NOTE 6:										
			CT AND VT REQUI	FIC PROTECTION REQUIREMENTS	ruk.							
				MMUNICATION REQUIREMENTS								
			3. TX NEUTRAL EARTH REQUIREMENTS									
		A PROTI	NOTE 7: A PROTECTION SLD SHALL BE SUBMITTED FOR DETAILED DESIGN & AS-BUILT PURPOSES INCLUDING THE FOLLOWING:									
			<ol> <li>HV PLANT RATINGS FOR ALL HV COMPONENTS INCLUDING PROTECTION REQUIREMENTS AS OUTLINED IN NOTE 6.</li> <li>A LEGEND OUTLINING PROTECTION RELAY DETAILS USED INCLUDING RELAY TYPE, ANSI DEVICE NUMBERS AND LONG RELAY MLFB/ORDER CODE.</li> </ol>									
			<ol> <li>A LEGEND OUTLINING PROTECTION RELAY DETAILS USED INCLUDING RELAY TYPE, ANSI DEVICE NUMBERS AND LONG RELAY MLFB/ORDER CODE.</li> <li>PROTECTION RELAY INPUTS SHOWN WIRED TO INSTRUMENT TRANSFORMER CORES.</li> </ol>									
		NOTE 8:	NOTE 8:									
		THE WI	THE WINDING CONNECTIONS OF THE 220/66KV TRANSFORMER TO BE VERIFIED DURING PROJECT ENGINEERING.									
	D	NOTE 9:	-									
		LOCATIONS AND REQUIREMENTS OF THE SURGE ARRESTERS ARE TO BE VERIFIED BY INSULATION COORDINATION STUDY.										
			<u>NOTE 10:</u> A SINGLE EXPORT FEEDER/TRANSFORMER IS SHOWN. HOWEVER, OSP CAN HAVE MORE THAN ONE EXPORT FEEDERS/TRANSFORMERS DEPENDING ON									
			PROJECT REQUIREMENTS.									
			NOTE 11: THE 66W NEUTRAL FARTHING IS NOT SHOWN BUT SHALL BE PROVIDED. ITS ARRANGEMENT SHALL BE PROPOSED BY CUSTOMER									
		THE 66kV NEUTRAL EARTHING IS NOT SHOWN BUT SHALL BE PROVIDED. ITS ARRANGEMENT SHALL BE PROPOSED BY CUSTOMER.										
		NOTE 12: 2 x 100% REDUNDANT 66KV/LV AUXILLARY POWER TRANSFORMERS ARE REQUIRED. EXACT CONFIGURATION TO BE PROPOSED BY THE CUSTOMER.										
						SINED. EXACT CONTROLATION TO BE FROM OSED BY THE CO	STOWER.					
		NOTE 13 NUMBE		RS ARE INDICATIVE AND DEPEND	ON PROJECT SPECI	FIC REQUIREMENTS.						
		NOTE 14	4:									
		EXACT P	OSITION OF THE	CT (ON THE GAS INSULATED LINE	OR TRANSFORMER	TURRET) IS SUBJECT TO PROTECTION STUDY OUTPUT AND	EIRGRID					
		ACCEPT	ANCE.									
		NOTE 15		ES A DEDICATED CT CORE AND DE	DICATED VT WIND	NG FROM THE BAY, CHECK METERING CAN SHARE THE COR						
	_	MAIN METERING REQUIRES A DEDICATED CT CORE AND DEDICATED VT WINDING FROM THE BAY. CHECK METERING CAN SHARE THE CORE AND WINDING WITH OTHER FUNCTIONS.										
	Ε	NOTE 16: THE DASHED LINE IS A GENERAL INDICATION OF THE BOUNDARY BETWEEN THE TRANSMISSION SYSTEM AND THE CUSTOMER'S INSTALLATION. THE										
						IE TRANSMISSION SYSTEM AND THE CUSTOMER'S INSTALLA TOMER OWNED EQUIPMENT IS SHOWN IN PURPLE COLOR.						
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	FOR OFFSHORE 220/66 kV SUBSTA								
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produced or nechanical,	No of Shts	1	SIZE A1	SCALE N/A					
trieval system, out the written	DRAWING NUN	/IBER		SHEET	REV				
	OFD-OSP-504				01				

TYPICAL SINGLE LINE DIAGRAM

PHASE 1 - OFFSHORE STANDARDS

ROJECT

DRAWING TITLE

EIRGRID CUSTOMER