

10	003	990	AB-036766	P	066											
PLANT NO.	REV. NO.	DRAWING NUMBER		INDEX	PLANT NO.											
CADD REF. CELL NO.						METERING AND INSTRUMENTATION										
03021A							GENERAL: METER,INSTRUMENT, COIL									
							AMMETER									
							AUTOMATIC SYNCHRONIZER									
							CONTACT MAKING AMMETER									
							CONTACT BREAKING AMMETER									
							CONTACT MAKING CLOCK									
							CONTACT BREAKING CLOCK									
							CONTACT MAKING VOLTMETER									
							CONTACT BREAKING VOLTMETER									
							CATHODE-RAY OSCILLOSCOPE									
							DISPLACEMENT METER									
							DEFINITE TIME RELAY									
							FREQUENCY METER									
							GROUND DETECTION LAMP									
							GROUND DETECTION VOLTMETER									
							INDICATING									
							INTEGRATING									
							OHMMETER									
							OIL PRESSURE									
							POWER FACTOR METER									
							RECORDING DEMAND METER									
							RECORDING									
							SYNCHROSCOPE									
							TOTALIZING HOURMETER									
							TELEMETER									
	TOTALIZING															
	TEMPERATURE METER															
	VOLTMETER					ADDITION TO SYMBOLS IN = INTO THE BUS OUT = OUT OF THE BUS										
	VOLT-AMMETER															
	VARMETER															
	WATTMETER															
	WATTHOURMETER															
	WATTHOUR DEMAND METER (ADDITION 15=15 MINUTES DEMAND INTERVAL)															
CADD REF. CELL NO.						MISCELLANEOUS										
03030A							3 WELDING OUTLETS									
							GROUND									
							LIGHTNING ARRESTOR									
							PROTECTIVE GAP									
							CAPACITOR OR SURGE CAPACITOR OUTSIDE, NEGATIVE, MOVING OR LOW POTENTIAL SIDE									
							HEATER									
							RESISTOR									
							VARIABLE RESISTOR									
							REACTOR									
							LINE TRAP									
							CC: COUPLING CAPACITOR									
							CE: CARRIER EQUIPMENT									
							CONTROL PANEL									
							JUNCTION BOX									
							RELAY BOX									
							SHUTDOWN DEVICE									
							PHASE-SHIFT OR AUTO-TRANSFORMER FOR VARmeter									
							TERMINAL BOX									
							TEMPERATURE ELEMENT									
							TIMER									
							VOLTAGE REGULATOR									
							EMERGENCY SHUTDOWN DEVICE									
							RECORDER									
							RESISTANCE TEMPERATURE DETECTOR									
							THERMAL CONVERTER									
	TELEPHONE OPERATED SHUTDOWN DEVICE															
	TEMPERATURE SWITCH ALARM UNIT															
	VIBRATION CONTROL UNIT															
	VIBRATION DETECTOR OR ELEMENT															
03031A							ADJUSTABLE (VARIABLE) DEVICE									
							DEVICE NOT OTHERWISE NOTED STANDARD ABBREVIATION OR CLARIFIED LETTER COMBINATION SHALL BE USED INSIDE SYMBOL									
							RECTIFIER									
							TRIP CIRCUIT									
							CONDUIT NUMBER									
03031B							CONTROL CABLE NUMBER									
							CABLE NUMBER									
							TRANSDUCER FROM.....									
03031E																
0303IN																
0303IF																
0303IG																
0303IH																
0303II																

NOTES:									
REFER TO ANSI Y32.2 - 1975 (IEEE STD.315-1975)									
MANDATORY DRAWING									
01	DEC87	MHJ			REDRAWN FOR CLARITY				
REV. NO.	DATE	BY	JO/EWO		DESCRIPTION	CHKD.	CERT.	APPD.	
SAUDI ARABIAN OIL COMPANY									
DRAWN BY PD CHECKED BY FZ SCALE NONE									
DATE STARTED DATE COMPLETED 08-12-76									
OPR'G. DEPT. ENG. DEPT. SFB									
APP'D FOR CONSTR.									
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED									
CERTIFIED SFB00TH BY DATE									
STANDARD ELECTRICAL SYMBOLS ONE LINE DIAGRAM (POWER)									
STD. DWG.									
PLANT NO.	INDEX	DRAWING NUMBER				SHT. NO.	REV. NO.		
990	P	AB-036766				003	01		