







		1	2	2			3		4	<del>+</del>	5		6 ј	7		8	
										TABLE	1						
	E.	E. LOCATION CODES							LETTER CODE DESCRIPTIONS FOR DEVICE ID				G. TERMINAL DESIGNATIONS				
A		THE LOCATION CODE IS THE DESIGNATION SYSTEM USED TO IDENTIFY THE PHYSICAL LOCATION OF EQUIPMENT OR DEVICES WITHIN A PLANT OR PHYSICAL AREA. THE LOCATION CODE IS DEFINED AND IDENTIFIED BY THE PRECEDING PLUS SIGN "+".						LETTER CODE	KIND OF ITEM		E	XAMPLES	AND TERMINAL NUM TYPICAL V□LTAGE	(TB's) ARE IDENTIFIED BER BASED ON VOLTAG LEVELS AND DEVICE	GE LEVEL. TABL ID'S USED.	E 2 SHOWS	A
				RE DEFINED FOR EACH PROJECT. ETTERS FOLLOWED BY TWO NUMBER				A	ASSEMBLIES, SUBASSEMBLIES, N	MODULES.	RACKS, SUBRACKS	. COMPUTERS, PCs, PGs	REGARDLESS OF THE SHEET THE TERMINAL BLOCKS APPEAR ON, ALWAYS ASSIGNED A A4 FUNCTION TYPE. THE A4 FUNCTION TY USED EXCLUSIVELY FOR TERMINAL BLOCK IDENTIFICATION.			ION TYPE IS	
		MAY INCLUDE MORE OR LESS LETTERS AND NUMBERS DEPENDING ON PROJECT REQUIREMENTS AND DEFINITIONS.						В	TRANSDUCERS, FROM NON-ELE QUANTITY TO ELECTRICAL QUAN	CTRICAL	THERMOELECTRIC S	THERMOELECTRIC SENSOR, THE FUNCTION, LOCATION AND DEVICE ID ARE NOT DISPLAYED F THERMO CELL, PHOTOELECTRIC CELL, TERMINAL BLOCK SYMBOL BUT ONLY AS REQUIRED FOR CLAIRITY.				AYED FOR EVERY AIRITY, MOST	
		EXAMPLE:						C	VICE-VERSA CAPACITORS		PULSE TRANSDUCE	:RS		DINTS WILL ONLY DISF RS BELOW OR TO THE			
B		+AA01	1					D	BINARY ELEMENTS, DELAY DEVIC STORAGE DEVICES	CES,	DIGITAL I/O MODU MODULES, DELAY I ELEMENTS. REGIST		SYMBOL. AN ALPHA	A CHARACTER MAY BE RMINAL POINT OF MULT	ADDED AFTER THE	E NUMBER TO	В
	F.	DEVICE IDENTIFICATION	I CODES					E	MISCELLANEOUS, GENERAL ELECTRICAL EQUIPMENT			HEATING DEVICES, CIFIED ELSEWHERE IN					
		EACH DEVICE WITHIN AN ELE- LOCATION AND DEVICE ID COI UNIQUELY IDENTIFIES EACH EI DRAWING SET.	CTRICAL SYSTI DE. THE COMB	BINATION	OF THESE	THREE COI	DES	F	PROTECTIVE DEVICES		FUSE, OVERVOLTAG DEVICE, MONITORIN CONTROL MODULES	IG MODULES, BUS	EXAMPLE: (CONTROL VOLTAGE	E LEVEL TERMINAL B	LOCK)		
	THE DEVICE IDENTIFICATION CODE (DEVICE ID or DID							G	GENERATORS, POWER SUPPLY		ROTATING GENERAT	TOR, BATTERY, OSCILLATOR		- DI 01 A 4			
		LETTERS AND NUMBERS USED TO IDENTIFY INDIVIDUAL ELECTRICAL DEVICES WITHIN THE SCHEMATIC DRAWING SET. THE DEVICE ID IS DEFINED AND IDENTIFIED BY THE PRECEDING DASH SIGN "-".						н	SIGNALING DEVICES		OPTICAL AND ACOUSTIC INDICATORS  =RL01.A4 +AA01 —— (DISPLAYED ONLY IF DIFFEREN -HTB THAN CURRENT SHEET)						
	THE DEVICE ID CONSISTS OF A LETTER CODE FOLLOWED BY A SERIES OF NUMBERS. THE LETTER CODE IDENTIFIES THE KIND OF DEVICE. TYPICAL						K	RELAYS, CONTACTORS		INDUCTION COIL I	INC. TOAD	——o———————————————————————————————————					
	LETTER CODES ARE DEFINED IN TABLE 1.					L	INDUCTORS  MOTORS		AC AND DC MOTO				CHARACTER, USE FOR TIERED NAL BLOCKS	D			
$\rightarrow$		THE STANDARD CONVENTION USED FOR THE SERIES OF NUMBERS IS TO FIRST LIST THE TWO DIGIT SHEET NUMBER OF THE DEVICE SYMBOL FOLLOWED BY A SEQUENTIAL NUMBER. THIS STANDARD CONVENTION MAY BE ALTERED DEPENDING ON PROJECT REQUIREMENTS AND DEFINITIONS.					N	ANALOG REGULATION BLOCKS		AMPLIFIERS, INTEG	RATORS, REGULATOR, ICTION GENERATOR						
		EXAMPLE:						P	MEASURING EQUIPMENT, TESTING EQUIPMENT	3	INTEGRATING MEAS	CATING, RECORDING AND GRATING MEASURING DEVICES, AL GENERATOR, CLOCKS, MONITORS  EX: T118, M118, B118					
		(STANDARD CONVENTION)							SWITCHING DEVICES, DEVICES F POWER CIRCUITS	OR	CIRCUIT BREAKER,	DISCONNECTOR	TABLE 2				
		-S011						R	RESISTORS		VARIABLE RESISTOR, POTENTIOMETER, SHUNT, HEATING ELEMENTS  CONTROL SWITCH, PUSHBUTTON, LIMIT SWITCH, SELECTOR SWITCH		TERMINAL BLOCK VOLTAGE LEVELS				
		LETTER CODE -SEE TABLE 1————————————————————————————————————					s	SWITCHES, SELECTORS		VOLTAGE LEVEL				TERMINAL	FUNCTION	-	
			``	SHEET OF				Т	TRANSFORMERS				POWER (P) >120V, >		1-99	POWER DISTRIBUTIO	$\frac{1}{N}$
		THE DEVICE ID CODE IS PLAC SHOWN IN THE EXAMPLE BELO		HE DRAWI	ING DE∨ICE	E SYMBOL A	2	U	ELECTRICAL TRANSDUCERS		VOLTAGE TO FREQ ANALOG TO DIGITAL CURRENT & VOLTA		HIGH (H) 50V-120  MEDIUM (M) 15V-50V  LOW (L) 0-15V	/ -MTB -LTB	101-399 401-699 701-999	CONTROL VOLTAGES BINARY I/O ANALOG I/O	
		-5011						V	SEMICONDUCTOR DEVICES		ELECTRONIC TUBE, DIODE, TRANSISTOR, THYRISTOR		GENERAL - VARIES SEE IEEE 518, *LEVEI		VARIES	MISC AS NEEDED	$  _{E} $
	<del>-0</del> <del>-0</del>						W	W CABLES		PLUOS COOKETS HOVO						_	
	THE FUNCTION AND LOCATION CODE OF EACH DEVICE ARE ONLY DISPLAYED IF THEY ARE DIFFERENT FROM THE SHEET THE DEVICE SYMBOL IS ON. IF							X Y	X CONNECTING DEVICES Y ELECTRICALLY OPERATED MECHANICAL		PLUGS, SOCKETS, JACKS  BRAKES, COUPLINGS, PRINTERS						
	REQUIRED, THESE FUNCTION AND LOCATION CODES ARE DISPLAYED ABOVE THE DEVICE ID.						Z	DEVICES  COMPENSATING EQUIPMENT		SOLENOID VALVES, CHART RECORDERS  RC FILTERS, BANDPASS FILTER							
									SOM ENDATING EQUIPMENT		HELENG, SANSTAGE FILLEN						
																	_
	REV	00 PRELIMINARY 07/06/2015 JG JS JS HYDRO AIR POW						/ER TAKEOFF (PTO)			EMENS OCEAN ENERGY BUOY S		SYSTEM	CONFIDENT SIEMFNS	IAL PROPERTY OF INDUSTRY, INC.	=MCBU.A2	THIRD ANGLE
-	00 00A										USTRY, INC.	S120 MAIN CONTROL C			INDUSTRY, INC. HTS RESERVED	+MCBU Shii	PROJ.
INITIAL RELEASE DATE:							INITIAL RELEASE DATI	Ē: .	PLOT DATE: 09-16-2015  PLOT DATE: 09-16-2015  PLOT DATE: 09-16-2015  PLOT DATE: 09-16-2015  FILE NAME:			FILE NAME: MCBU_A2_03.	_A2_03.dwg 560C-2114=MCBU.A2 Cont. 04				
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