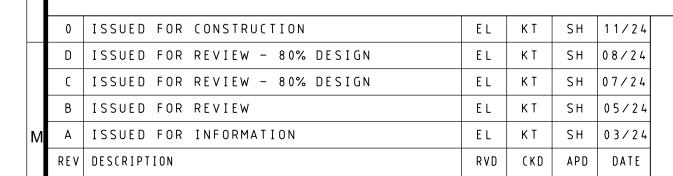
TABLE 1					
MVPS FROM TO  01 MVPS02 MVPS10					
02 MVPS01 MVPS01					
03 MVPS04 MVPS02		NOTE 3			
04 +1F02 MVPS03		MVPS XX			
05 MVPS06 - 06 MVPS07 MVPS05		MVPS-4200-S2-10			
07 MVPS08 MVPS06			2014 (200 2014)4- 5011-		i
08 MVPS09 MVPS07		+PSXX-RMU   8DJH36RRL (SIEMENS)   CGM.3LLV (ORMAZABAL)	36kV-630A-20kA/1s-50Hz	•	!
09 +1F03 MVPS08				\ \(\times\)	+PSXX-Q0
10 MVPS01 -				M	630A
11 MVPS12 MVPS20 12 MVPS13 MVPS11		+PSXX-Q4E	+PSXX-Q5E \	+PSXX-Q6E +PSXX-Q6E	+PSXX-Q3
13 +1F01 MVPS12		1	\ 630A \ \ \ '	\ 630A   \	630A
14 MVPS15 -		<del> </del>	士	<b>☆</b>	
15 MVPS16 MVPS14		į			
16 MVPS17 MVPS15 17 MVPS18 MVPS16		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	₩	<b>♦</b>	į
18 +1F05 MVPS17					!
19 MVPS20 -		į	Ĭ I	Ĭ I	P1 +PSXX-T11 NOTE 6
20 MVPS11 MVPS19		į	' ! !		P2 (SENSORS)
21 MVPS22 - 22 MVPS24 MVPS21	NOTE 5	1	-	<u> </u>	'
23 MVPS25 MVPS24	SOURCE AS PER TABLE 1		يـ		
24 MVPS23 MVPS22	NOTE 5				+PSXX-TF1
25 +1F06 MVPS23	DESTINATION AS PER TABLE 1				MV/LV/LV TRANSFORMER
TABLE 2					3780kVA 33/0.69kV Dy11
BATTERY GROUPS	EVERNAL CONVAC CURRING	~/	24V DC TO MVPS		Dy11
MVPS BATTERY A BATTERY B	EXTERNAL 230V AC SUPPLY —	=	AUX. SERVICES		
01 BATT 01A BATT 01B					
02         BATT 02A         BATT 02B           03         BATT 03A         BATT 03B					
04 BATT 04A BATT 04B		i +PSXX-PCS			
05 BATT 05A BATT 05B		SCS-3600 UP-XT			
06 BATT 06A BATT 06B		į	+	PSXX-Q1	Ţ
07         BATT 07A         BATT 07B           08         BATT 08A         BATT 08B			M 40	000A	
09 BATT 09A BATT 09B			D1	. BOVAY BOO BOA BOO	¥ !
10 BATT 10A BATT 10B		į		+PSXX-B60,B61,B62 (SENSORS) NOTE 2	
11 BATT 11A BATT 11B			₩ P2	,	400V AC TO INV. AUX. SERVICES
12 BATT 12A BATT 12B 13 BATT 13A BATT 13B				• •	
14 BATT 14A BATT 14B					!
15 BATT 15A BATT 15B		INVERTERS 3620 kVA	~/	~/	
16 BATT 16A BATT 16B				_=	i
17 BATT 17A BATT 17B  18 BATT 18A BATT 18B		+PXX-Q21 1500VDC	+PXX-Q22 M +PXX-Q23 M 1500VDC		
18 BATT 18A BATT 18B  19 BATT 19A BATT 19B		1500VDC	1500VDC 1500VDC		
20 BATT 20A BATT 20B					
21 BATT 21A BATT 21B		3X 750A 1500VDC	3X 750A 1500VDC	3X 750A 1500VDC	;   
22 BATT 22A BATT 22B					į
23 BATT 23A BATT 23B 24 BATT 24A BATT 24B					!
25 BATT 25A BATT 25B					
		NOTE 7		<b>*</b>	<u> </u>
			i I	I I	į
			 	J 	
			1	i I	
			1	1	
			DC CABLES	DC CABLES	
NOTES:			6 x 1C 240mm² AL. XLPE (	POS.) 6 x 1C 240m	m <sup>2</sup> AL. XLPE (POS.)
			6 x 1C 240mm² AL. XLPE (	NEG.) 6 X 1C 240m	m²AL. XLPE (NEG.)
1. INVERTER DETAILED DRAWING BY SMA. REF TO DWG: D_10001195_01_MVPSXXXX-S2-A4_STATION 2. MEASUREMENTS ONLY ON THE FOLLOWING:				!	
		NOTE 4		NOTE 4	
MVPS 09 = ELECTRICALLY CLOSEST MVPS 19 = ELECTRICALLY FURTHEST		ELEMENTA 3258.72 kW	h T	│ 3258.72 kWh	BATT
3. REPLACE ACCORDING TO THE NUMBERING SEQUENCE "FROM" AND "TO" IN THE TABLE 1.		1629.36 kW (8 RACK)		1629.36 kW (8 RACK)	ERY (
4. REPLACE "YY" ACCORDING TO THE BATTERY TABLE 2 NUMBERING.			L -QS CONT	l -Qs	
5. CABLE TYPE AND SIZING AS PER SHEET 1.			AINE 2500A	☐ 2500A	AIN
6. LOW VOLTAGE SENSOR SPECIFIED BY RMU RELAY OEM  7. MAXIMUM OF 36 CONNECTIONS REP DC POLE MAX 400MM2 DC CARLE			1500VDC 🖁	1500VDC	R <b>∀</b>
7. MAXIMUM OF 36 CONNECTIONS PER DC POLE, MAX. 400MM2 DC CABLE  8. 'FUSED SINGLE BUSBAR' OPTION SELECTED WITH 3 FUSES PER INVERTER STACK.			TRINA	TRINA	
O. I OOLD SINGLE DOODAN OF HON SELECTED WITH 3 FUSES PER HIVERTER STACK.			306 Ah 0.5C 1P416S	306 Ah 0.5C 1P416S	
			407.34 kWh BATTERY	407.34 kWh BATTERY	
			RACKS (X8)	RACKS (X8)	













SIZE A 1 SCALE NTS	CLEMENTS GAP BESS
FOR CONSTR.	132/33kV SUBSTATION OVERALL SIMPLIFIED SINGLE LINE DIAGRAM
SHEET NO. 0 2 0 F 0 4	PSD 1834-110-001-002 REV 0