





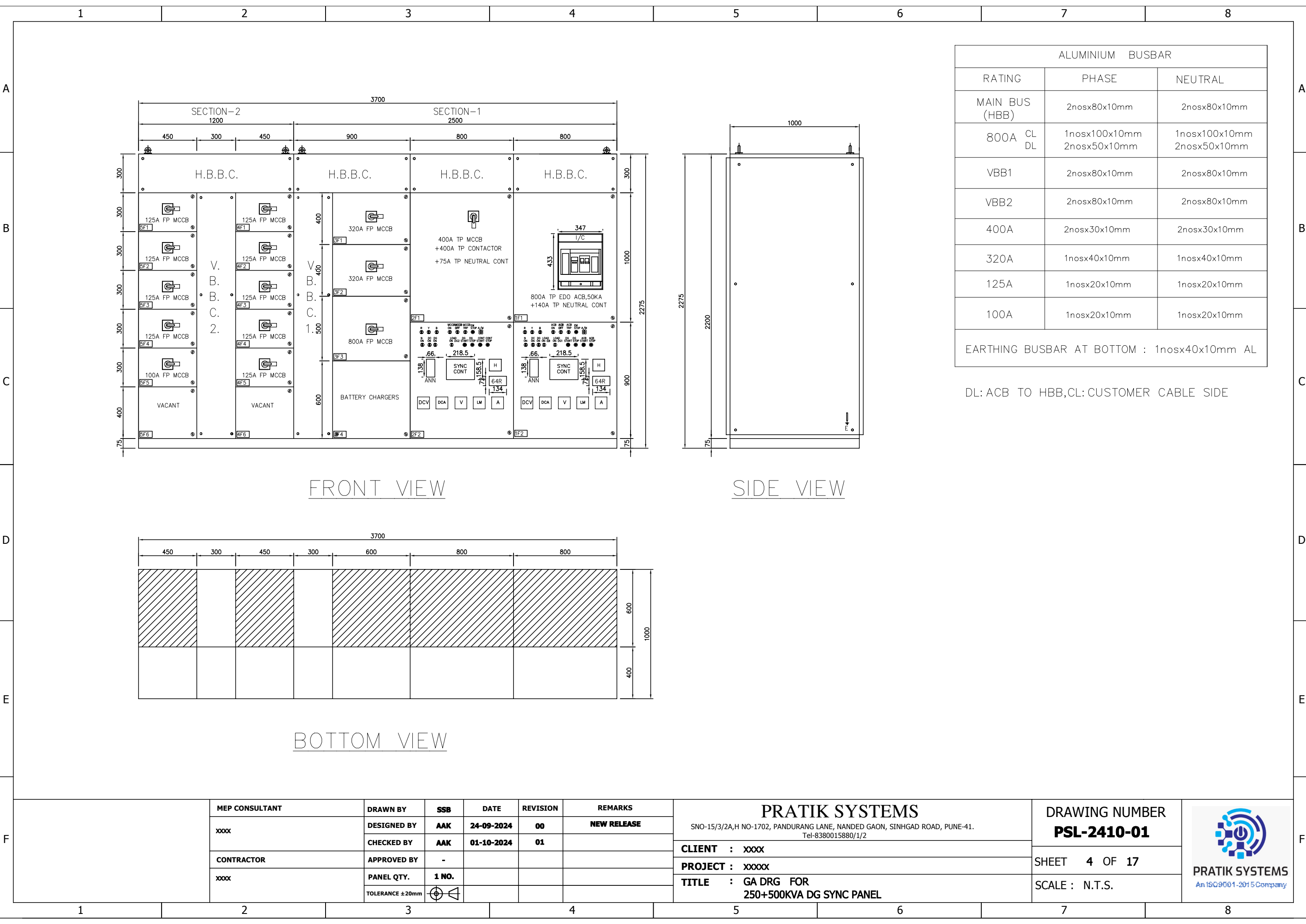


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A	<u>01) GENERAL INFORMATION</u> 1.1) MANUFACTURER ELECTRICAL CONTROL PANELS 1.2) STANDARD COMPLIANCE –IS 8623 1.3) TYPE–CPRI CERTIFIED PANELS 1.4) INSTALLATION/SERVICE CONDITIONS–INDOOR 1.5) INSTALLATION TYPE–SINGLE FRONT,DOUBLE DOOR AT FRONT				<u>04) ELECTRICAL SYSTEM PARAMETERS</u> 4.1) RATED OPERATIONAL VOLTAGE–415V AC 4.2) RATED CURRENT–1200A 4.3) SUPPLY FREQUENCY–50HZ 4.4) RATED SHORT CIRCUIT WITHSTAND CAPACITY–50KA/1SEC 4.5) INGRESS PROTECTION–IP55																																																																										
B																																																																															
C	<u>02) CONSTRUCTIONAL TECHNICAL PARAMETERS</u> 2.2) GLAND PLATE–3MM & STRUCTURE–2MM THICKNESS CRCA 2.3) DOORS–1.6MM THICKNESS CRCA 2.4) PARTITION–1.6MM THICKNESS CRCA 2.5) REAR COVERS–BOLTED TYPE 2.6) POWDER COATING–RAL 7032 STR.,7 TANK PROCESS				<u>05) AUXILIARY SUPPLY</u> 5.1) AUX SUPPLY–230V AC 5.2) CLOSING,TRIPPING COIL–230V AC <u>06) WIRING</u> 6.1) INSULATION GRADE–FRLS PVC INSULATED,COPPER CONDUCTOR 6.2) CONTROL WIRING–1.5SQMM CU FLEX GREY FOR PHASE& BLACK FOR N 6.3) CT WIRING–2.5SQMM CU FLEX GREY COLOUR CODED WIRE 6.3) DOOR EARTHING–1.5SQMM CU FLEX GREEN COLOUR CODED WIRE																																																																										
D	<u>03) BUSBAR TECHNICAL PARAMETERS</u> 3.1) BUSBAR MATERIAL–ALUMINIUM WITH SLEEVES 3.2) LOCATION OF MAIN BUSBAR–TOP & EARTH BUS AT BOTTOM 3.3) BUSBAR SUPPORT–SMC 3.4) BUSBAR CLEARANCE–AS PER IS 8623 3.5) TEMPERATURE RISE LIMIT–IS 8623				<u>07) TERMINATION</u> 7.1) CABLE ENTRY AND EXIT: BOTTOM & REAR ACCESS 7.2) GLANDS,DRILLING OF GLANDS & LUGS–CUSTOMER SCOPE																																																																										
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F	<table><tr><td rowspan="6"></td><td>MEP CONSULTANT</td><td>DRAWN BY</td><td>SSB</td><td>DATE</td><td>REVISION</td><td>REMARKS</td><td rowspan="4">PRATIK SYSTEMS SNO-15/3/2A,H NO-1702, PANDURANG LANE, NANDED GAON, SINHGAD ROAD, PUNE-41. Tel-8380015880/1/2</td><td colspan="2">DRAWING NUMBER PSL-2410-01</td><td rowspan="6"> PRATIK SYSTEMS An ISO9001-2015 Company</td></tr><tr><td>xxxx</td><td>DESIGNED BY</td><td>AAK</td><td>24-09-2024</td><td>00</td><td>NEW RELEASE</td><td colspan="3"></td></tr><tr><td></td><td>CHECKED BY</td><td>AAK</td><td>01-10-2024</td><td>01</td><td></td><td colspan="3"></td></tr><tr><td>CONTRACTOR</td><td>APPROVED BY</td><td>-</td><td></td><td></td><td></td><td colspan="3">SHEET 3 OF 17</td></tr><tr><td>xxxx</td><td>PANEL QTY.</td><td>1 NO.</td><td></td><td></td><td></td><td>CLIENT : xxx</td><td colspan="3"></td></tr><tr><td></td><td>TOLERANCE ±20mm</td><td></td><td></td><td></td><td></td><td>PROJECT : xxxx</td><td colspan="3"></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>TITLE : TECHNICAL DETAILS FOR 250+500KVA DG SYNC PANEL</td><td colspan="2">SCALE : N.T.S.</td><td></td></tr></table>											MEP CONSULTANT	DRAWN BY	SSB	DATE	REVISION	REMARKS	PRATIK SYSTEMS SNO-15/3/2A,H NO-1702, PANDURANG LANE, NANDED GAON, SINHGAD ROAD, PUNE-41. Tel-8380015880/1/2	DRAWING NUMBER PSL-2410-01		 PRATIK SYSTEMS An ISO9001-2015 Company	xxxx	DESIGNED BY	AAK	24-09-2024	00	NEW RELEASE					CHECKED BY	AAK	01-10-2024	01					CONTRACTOR	APPROVED BY	-				SHEET 3 OF 17			xxxx	PANEL QTY.	1 NO.				CLIENT : xxx					TOLERANCE ±20mm					PROJECT : xxxx											TITLE : TECHNICAL DETAILS FOR 250+500KVA DG SYNC PANEL	SCALE : N.T.S.		
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ALUMINIUM BUSBAR		
RATING	PHASE	NEUTRAL
MAIN BUS (HBB)	2nosx80x10mm	2nosx80x10mm
800A CL DL	1nosx100x10mm 2nosx50x10mm	1nosx100x10mm 2nosx50x10mm
VBB1	2nosx80x10mm	2nosx80x10mm
VBB2	2nosx80x10mm	2nosx80x10mm
400A	2nosx30x10mm	2nosx30x10mm
320A	1nosx40x10mm	1nosx40x10mm
125A	1nosx20x10mm	1nosx20x10mm
100A	1nosx20x10mm	1nosx20x10mm
EARTHING BUSBAR AT BOTTOM : 1nosx40x10mm AL		

DL: ACB TO HBB,CL:CUSTOMER CABLE SIDE

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	CHECKED BY	AAK	01-10-2024	01	
CONTRACTOR	APPROVED BY	-			
XXXX	PANEL QTY.	1 NO.			
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PRATIK SYSTEMS		DRAWING NUMBER	
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CLIENT : XXXX		SHEET 4 OF 17	
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TITLE : GA DRG FOR 250+500KVA DG SYNC PANEL		 PRATIK SYSTEMS An ISO 9001:2015 Company	