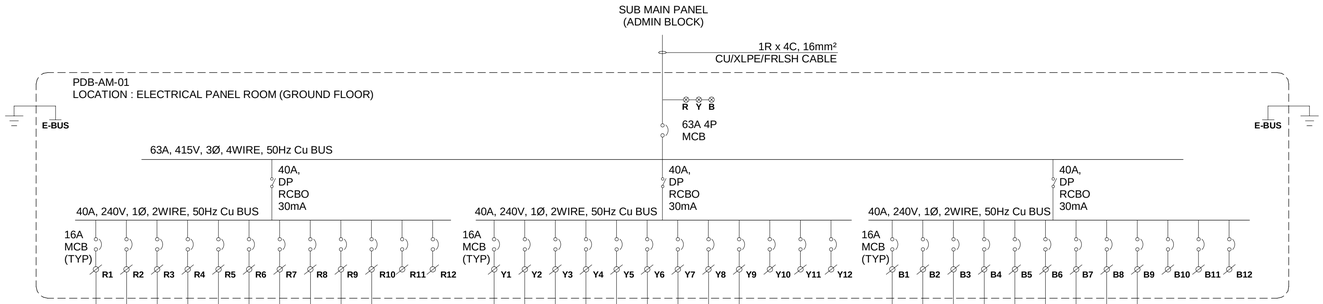
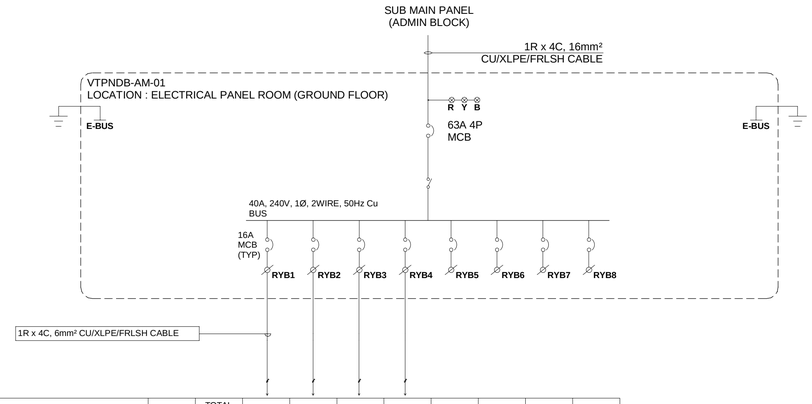


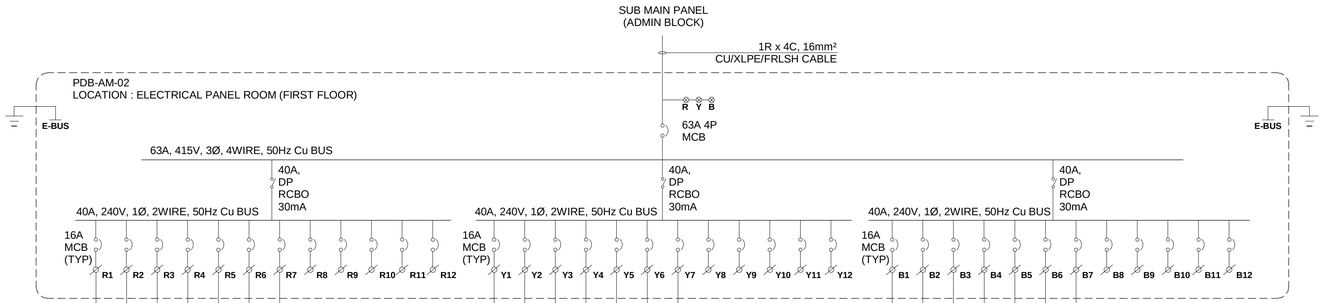
SYMBOL	DESCRIPTION	kW	TOTAL QTY	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
	Raw 6A	0.10	4												
	Raw 6/16A	0.50	33		2	2	2		1	3	1				
HD	Raw 6/16A HD	1.00	4	1				1							
	16A Single Phase Industrial	1.00	2												
	Connected load in KW			1.00	1.00	1.00	1.00	1.00	0.50	1.50	0.50				
	Diversity			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3				
	Demand Load in KW			0.30	0.30	0.30	0.30	0.30	0.15	0.45	0.15				
	Primary Point (1P)	26		1	1	1	1	1	1	1	1				
	Secondary Point (2P)	17			1	1	1			2					
	Total Connected Load	22.90 kW		7.50 kW											
	Total Demand Load	6.87 kW		2.25 kW											
	Area served			HAND WASH (TOILET)	KITCHEN	CANTEEN	KITCHEN	LADIES TOILET	JANITOR ROOM	ELE ROOM & CORRIDOR	OFFICE	SPARE	SPARE	SPARE	SPARE	SPARE

SYMBOL	DESCRIPTION	kW	TOTAL QTY	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12
	Raw 6A	0.10	4								1				
	Raw 6/16A	0.50	33	2	1	3	1	2		2					
HD	Raw 6/16A HD	1.00	4									1			
	16A Single Phase Industrial	1.00	2						1						
	Connected load in KW			1.00	0.50	1.50	0.50	1.00	1.00	1.00	0.10	1.00			
	Diversity			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
	Demand Load in KW			0.30	0.15	0.45	0.15	0.30	0.30	0.30	0.03	0.30			
	Primary Point (1P)	26		1	1	1	1	1	1	1	1	1			
	Secondary Point (2P)	17		1		2		1		1					
	Total Connected Load	22.90 kW		7.60 kW											
	Total Demand Load	6.87 kW		2.28 kW											
	Area served			SERVICES ROOM	CORRIDOR (WATER COOLER)	CANTEEN	KITCHEN	AHU & ELE. ROOM	KITCHEN	SPARE ROOM	GENTS TOILET	DISABLE TOILET	SPARE	SPARE	SPARE

SYMBOL	DESCRIPTION	kW	TOTAL QTY	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
	Raw 6A	0.10	4								3				
	Raw 6/16A	0.50	33	3	2	2	2		1			1			
HD	Raw 6/16A HD	1.00	4					1							
	16A Single Phase Industrial	1.00	2							1					
	Connected load in KW			1.50	1.00	1.00	1.00	1.00	0.50	1.00	0.30	0.50			
	Diversity			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
	Demand Load in KW			0.45	0.30	0.30	0.30	0.30	0.15	0.30	0.09	0.15			
	Primary Point (1P)	26		1	1	1	1	1	1	1	1	1			
	Secondary Point (2P)	17		2	1	1	1				2				
	Total Connected Load	22.90 kW		7.80 kW											
	Total Demand Load	6.87 kW		2.34 kW											
	Area served			CANTEEN & RECORD ROOM	CREC HE	EXE. DINING	STORE ROOM	GENTS TOILET	TOILET	KITCHEN	KITCHEN	LADIES TOILET	SPARE	SPARE	SPARE



SYMBOL	DESCRIPTION	kW	TOTAL QTY	RYB1	RYB2	RYB3	RYB4	RYB5	RYB6	RYB7	RYB8
	32A three Phase industrial socket	-	4	1	1	1	1				
	Connected load			4.00	5.50	5.50	5.50				
	Diversity			0.9	0.95	0.95	0.95				
	Demand Load			3.60	5.20	5.20	5.20				
	Primary Point (1P)	4		1	1	1	1				
	Secondary Point (2P)										
	Total Connected Load	20.50 kW		20.50 kW							
	Total Demand Load	19.20 kW		19.20 kW							
	Area served			VEF/GL/01	VSF/GL/01	VEF/GL/02	VSF/GL/02	SPARE	SPARE	SPARE	SPARE



SYMBOL	DESCRIPTION	kW	TOTAL QTY	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
	Raw 6A	0.10	2							1					
	Raw 6/16A	0.50	22	2	2	2	2	2							
HD	Raw 6/16A HD	1.00	6						1						
	Connected load in KW			1.00	1.00	1.00	1.00	1.00	1.00	0.10					
	Diversity			0.3	0.3	0.3	0.3	0.3	0.3	0.3					
	Demand Load in KW			0.30	0.30	0.30	0.30	0.30	0.30	0.03					
	Primary Point (1P)	21		1	1	1	1	1	1	1					
	Secondary Point (2P)	9		1	1	1	1	1							
	Total Connected Load	17.20 kW		6.10 kW											
	Total Demand Load	5.16 kW		1.83 kW											
	Area served			TEMPORARY	AUDITORIUM	CER	SER	DCC OFFICE	GENTS TOILET	GENTS TOILET (Urinal)	SPARE	SPARE	SPARE	SPARE	SPARE

SYMBOL	DESCRIPTION	kW	TOTAL QTY	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12
	Raw 6A	0.10	2				1								
	Raw 6/16A	0.50	22	2					2	1					
HD	Raw 6/16A HD	1.00	6		1	1		1							
	Connected load in KW			1.00	1.00	1.00	0.10	1.00	1.00	0.50					
	Diversity			0.3	0.3	0.3	0.3	0.3	0.3	0.3					
	Demand Load in KW			0.30	0.30	0.30	0.03	0.30	0.30	0.15					
	Primary Point (1P)	21		1	1	1	1	1	1	1					
	Secondary Point (2P)	9		1					1						
	Total Connected Load	17.20 kW		5.60 kW											
	Total Demand Load	5.16 kW		1.68 kW											
	Area served			EQUIPMENT ROOM	TOILET-2	TOILET-1	STAFF TOILET (Urinal)	LADIES TOILET	GENTS AND LADIES TOILET	AUDITORIUM STORE	SPARE	SPARE	SPARE	SPARE	SPARE

SYMBOL	DESCRIPTION	kW	TOTAL QTY	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
	Raw 6A	0.10	2												
	Raw 6/16A	0.50	22	2		2	1	1		1					
HD	Raw 6/16A HD	1.00	6		1				1						
	Connected load in KW			1.00	1.00	1.00	0.50	0.50	1.00	0.50					
	Diversity			0.3	0.3	0.3	0.3	0.3	0.3	0.3					
	Demand Load in KW			0.30	0.30	0.30	0.15	0.15	0.30	0.15					
	Primary Point (1P)	21		1	1	1	1	1	1	1					
	Secondary Point (2P)	9		1		1									
	Total Connected Load	17.20 kW		5.50 kW											
	Total Demand Load	5.16 kW		1.65 kW											
	Area served			PANTRY	STAFF TOILET	PANTRY	ELE. ROOM	AHU ROOM	DISABLE TOILET	CORRIDOR (WATER COOLER)	SPARE	SPARE	SPARE	SPARE	SPARE

TENDER DRAWING

1. THIS DRAWING IS FOR INFORMATION AND REFERENCE AS A GENERAL GUIDANCE ONLY.
2. ALL DEPOT FACILITIES, PLANTS & MACHINERIES, ACCOMMODATION FACILITIES, SYSTEM WIDE REQUIREMENTS ETC.SHALL BE VERIFIED FOR MAINTENANCE REQUIREMENT OF ROLLING STOCK AND INFRASTRUCTURE FACILITIES.
3. ALL DIMENSIONS ARE IN METER UNLESS NOTED OTHERWISE AND TO BE READ ONLY NOT MEASURED
4. ABSOLUTE RAIL LEVEL SHALL BE DERIVED FROM APPROVED ALIGNMENT DRAWINGS.
5. STRUCTURE SYSTEM SHOWN IS INDICATIVE. ALL STRUCTURE MEMBER SIZES TO BE DETAILED BY DESIGNER AT LATER STAGE.
6. THIS DRAWINGS HAVE BEEN DEVELOPED IN CONFORMITY TO DPR, SOD, BSRP& OTHER CODAL REQUIREMENTS.
7. SYSTEM ROOM SIZES, HEIGHTS, DOOR SIZE, FLOOR HEIGHT AND CUTOUT DIMENSIONS TO BE VERIFIED BY RELEVANT DISCIPLINES OF ENGINEERING.
8. SHAFTS FOR ELECTRICAL, S&T, PLUMBING, DRAINAGE, SEWAGE DISPOSAL, RAIN WATER HARVESTING, FIRE AND OTHER SYSTEMS SHALL BE PROVIDED AS PER SYSTEM AND MEP REQUIREMENTS.
9. ALL FINISHES ARE SUBJECT TO K-RIDE APPROVAL.
10. SPACE CONSIDERED FOR ELECTRICAL & S&T CABLE TRENCH, DURING THE DETAILED DESIGN STAGE ELECTRICAL & S&T CABLE TRENCH WILL BE PROVIDED BASED ON DESIGN.
11. 1 IN 8.5 TURNOUTS PROVIDED IN THE DEPOT.
12. FM DISTANCE PROVIDED AT 4.25M METERS.

BARSYL
we innovate
BALAJI RAILROAD SYSTEMS (P) LIMITED.

REV.NO.	DESCRIPTION	DESIGNED	CHECKED	REVIEWED	APPROVED
R0	TENDER DRAWING	DAMODARA REDDY (AGP) 10/09/2024	VENKATESH SVH 10/09/2024	LINGA PRASAD. K (KLP) 10/09/2024	GOPALA REDDY (VGR) 10/09/2024

GENERAL CONSULTANT		K RIDE			
PROJECT DIRECTOR		GM / PLANNING			
SR.ALIGNMENT EXPERT		GM / CIVIL / DEPOT			
CHIEF TRACK EXPERT		GM / ROLLING STOCK			
CHIEF SIGNALLING EXPERT		GM / TRACTION			
CHIEF TRACTION EXPERT		GM / SIGNALLING			
CHIEF TELECOM EXPERT				DIRECTOR PROJECT PLANNING	DIRECTOR SYSTEM
SR.ROLLING STOCK ENGINEER					

K RIDE — RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED

PROJECT I. D: 2388

TITLE:

ADMIN BUILDING
ELECTRICAL SYSTEM DISTRIBUTION BOARD
SCHEMATIC DIAGRAM

CONSULTANT : BARSYL we innovate
BALAJI RAILROAD SYSTEMS (P) LIMITED.

SCALE	SHEET NO.	DRG NO.KRIDE_BSRP_RS_DEPOT_SDVL	REV
1:25	3 OF 6		05

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