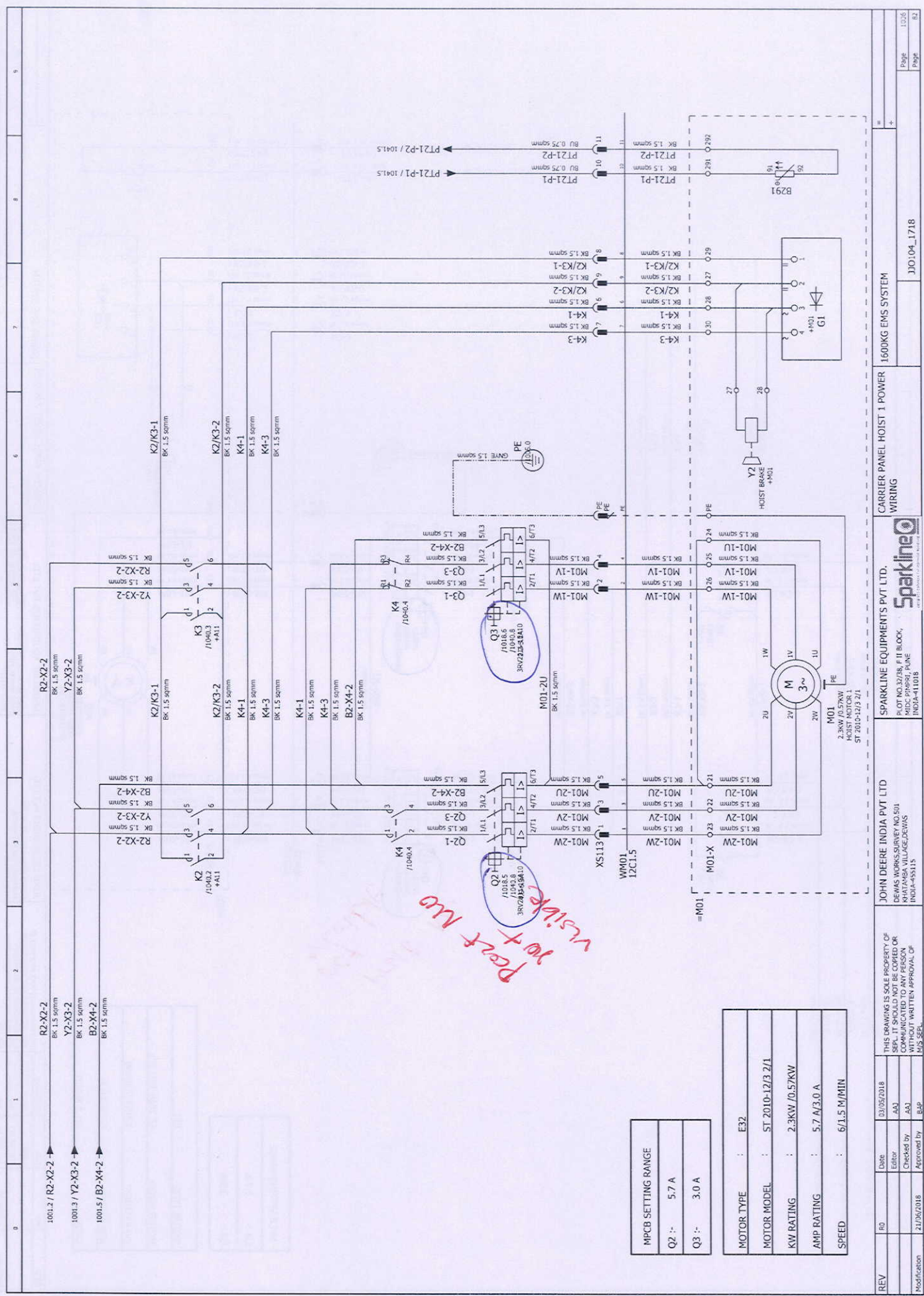


PRODUCT TYPE :- EMS		DESIGNER :-	Amol Jagatap	
PROJECT CODE :- JJO104-1718		TEAM LEADER :-	Amol Jagatap	
CUSTOMER NAME :- John Deere india		DATE :-	22/06/2018	
		CRANE NO :-	NA.	
SL.NO	DESCRIPTION		DESIGNER	TL
1	PROJECT CODE/ CO NO.		✓	✓
2	CORRECT CUSTOMER NAME & ADDRESS		✓	✓
3	CAPACITY OF THE SYSTEM	2X1600 Kg.	✓	✓
4	TRAVEL LENGTH OF THE SYSTEM	Existing	✓	✓
5	HOL OF THE SYSTEM	5 mtr.	✓	✓
6	NO. OF CARRIER	1 NO	✓	✓
7	TRAVEL PATH	STRAIGHT PATH	✓	✓
		L- PATH		
		U-PATH		
		CLOSED LOOP		
8	TYPE OF OPERATION	MANUAL		
		SEMI-AUTO	✓	✓
		AUTO		
9	CONTROL VOLTAGE	24VDC	✓	✓
		24VAC		
		48VAC		
		110VAC		
10	TRAVEL POWER SUPPLY DETAILS	BUS BAR	✓	✓
		DRAG CHAIN		
		FESTOON SYSTEM		
11	CONTROL COMMUNICATION THROUGH	BUS BAR		
		FESTOON SYSTEM		
		WIRELESS SYSTEM	✓	✓
12	COMMUNICATION PROTOCOL	PROFIBUS		
		PROFINET		
		ETHERNET	✓	✓
		MODBUS		
		CC LINK		
		CC LINK IE		
		CAN OPEN		
13	PLC SYSTEM	NOT APPLICABLE		
		SIEMENS		
		MITSUBISHI	✓	✓
		ALLEN BRADLY		
		SCHNEIDER		
14	POSITIONING OF CARRIERS	LIMIT SWITCHES/SENSORS	✓	✓
		BUB BAR ZONNING		
		BARCODE		
15	MAKE OF BARCODE SYSTEM	NOT APPLICABLE	✓	✓
		SICK		
		LEUZE		
		P & F		
16	SCOPE OF BUSBAR	SEPL		
		CUSTOMER	✓	✓
17	MAKE OF BUSBAR	SAFETRACK		
		SAFELINE		
		VAHLE		
		WAMPHLER	✓	✓
18	NO OF BUSBAR & CURRENT COLLECTOR	4 POLE	✓	✓
		6 POLE		
		8 POLE		
19	SCOPE OF CURRENT COLLECTOR	SEPL		
		CUSTOMER	✓	✓
20	TYPE OF HOIST MODEL	CHAIN HOIST	✓	✓
		WIRE RORE HOIST		
21	TYPE OF GEAR LIMIT SWITCH	GL-2 GEAR LIMIT SWITCH		
		GL-4 GEAR LIMIT SWITCH		
		GL-6 GEAR LIMIT SWITCH	✓	✓
		GL-8 GEAR LIMIT SWITCH		
22	SWITCH GEAR MAKE	SCHNEIDER		
		SIEMENS	✓	✓
		ANY OTHER		

23	MECHANICAL INTERLOCK FOR CONTACTOR	SIEMENS	✓	✓
		SCHNEIDER		
		NOT APPLICABLE		
24	MPCB HEALTHY HARDWIRING FOR HOIST UP/DOWN CONTACTORS	NOT APPLICABLE	✓	✓
		APPLICABLE		
25	CONTROL PANEL MAKE	SEPL		
		RITTAL	✓	✓
26	PENDENT MAKE	SCHNEIDER		
		GIOVENZANA	✓	✓
27	PENDENT CABLE LENGTH AS PER MECHANICAL DRAWING			
28	VFD WITH CORRECT RATING ACCORDING TO MOTORS	SCHNEIDER		
		SIEMENS		
		MITSUBISHI	✓	✓
		ALLEN BRADLY		
		ANY OTHER		
29	SENSORS MAKE	IFM	✓	✓
		SCHNEIDER		
		OMRON		
		SICK		
30	ANTICOLLISION SENSOR MAKE	NOT APPLICABLE		
		IFM	✓	✓
		OMRON		
		SICK		
		PANASONIC		
31	LIMIT SWITCH MAKE	SCHNEIDER		
		SIEMENS		
		OMRON	✓	✓
32	REVOLVING LAMP + HOOTER	NOT APPLICABLE		
		LOCAL		
		PATLITE	✓	✓
33	REMOTE	NOT APPLICABLE	✓	✓
		HBC		
		TELECRANE		
34	GRAVITY LIMIT SWITCH	SPEED O CONTROL		
		NOT APPLICABLE	✓	✓
		SIEMENS		
35	OVERTRAVEL LIMIT SWITCH	SPEED O CONTROL		
		APPLICABLE		
36	FIX CABLES	NOT APPLICABLE	✓	✓
		FINOLEX		
37	FESTOON CABLES	LAPP	✓	✓
		HELU	NAH	
38	PENDENT CABLE	LAPP	✓	✓
		HELU		
		IGUS		
39	ADDITIONAL FIELD DEVICES	NOT APPLICABLE	✓	✓
		MCB WITH MCB BOX		
		ELCB		
		ISOLATOR SWITCH		
		POWER CABLE		
		JUNCTION BOX		
40	CHECK FOR FERRULING & CROSS REFERENCE		✓	✓
41	PANEL OGA & IGA DRAWING CHECK		✓	✓
42	PANEL CUTOUT DRAWINGS CHECK		✓	✓
43	ELECTRICAL DETAILS GIVEN TO MECHANICAL DESIGN & EXPLAINED		✓	✓
44	LONG LEAD & BOM GIVEN TO PURCHASE		✓	✓
45	PANEL CUTOUT DRAWINGS GIVEN TO PURCHASE		✓	✓
46	BOM ENTERED IN ERP		✓	✓
47	DRAWINGS ATTACHED IN ERP		✓	✓
48	HOIST INSTRUCTION GIVEN TO ELE. MFG WITH EXACT FLANGE WIDTH		✓	✓

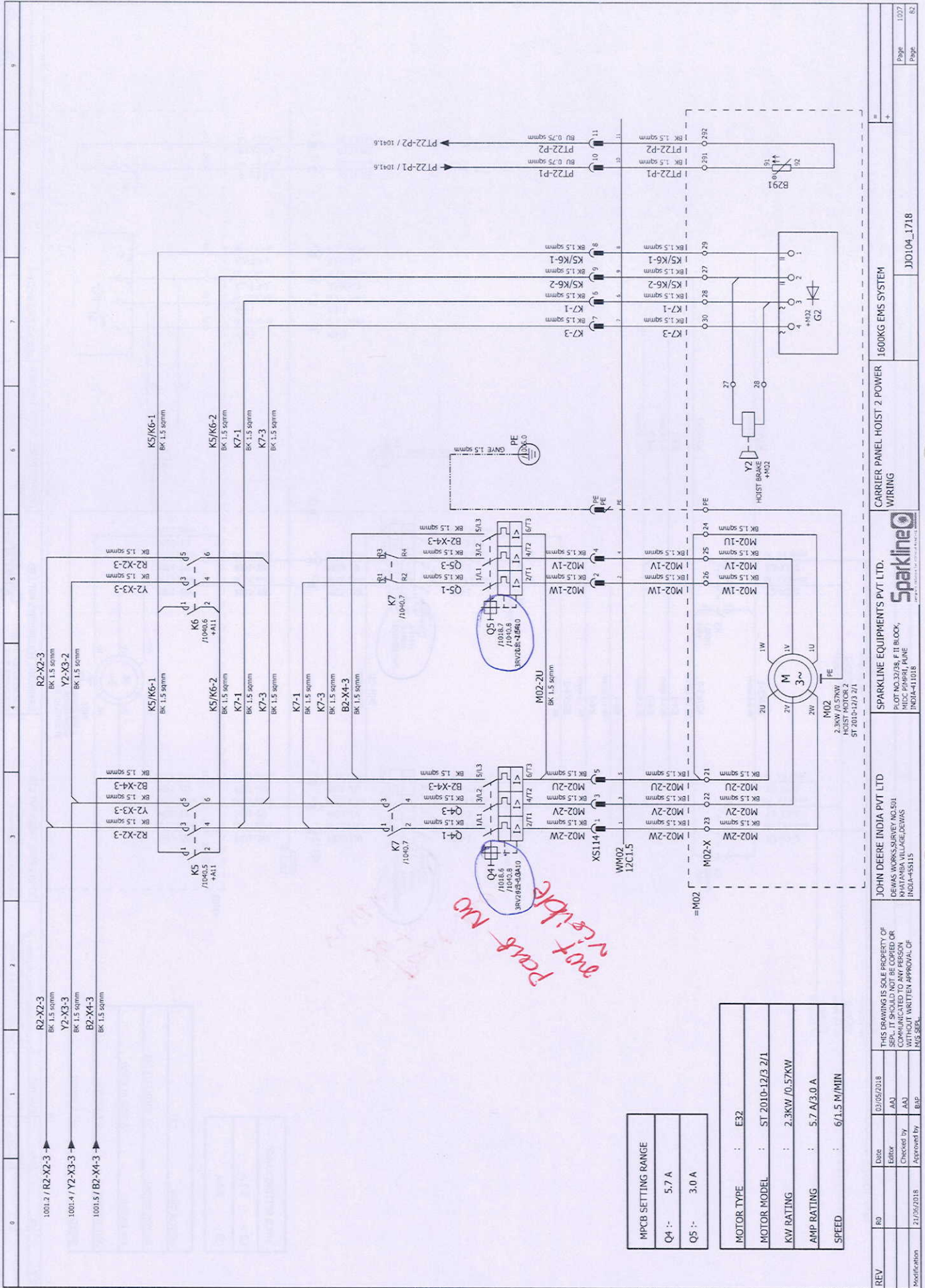
REMARKS			
1	Hoist MPCB @ 2/03/04/05 - Part Not	✓	✓
2	Net visible.		
3	Shift comm. module to LH side of PLC	✓	✓
4			
5			
6			
7			
8			
9			
10			

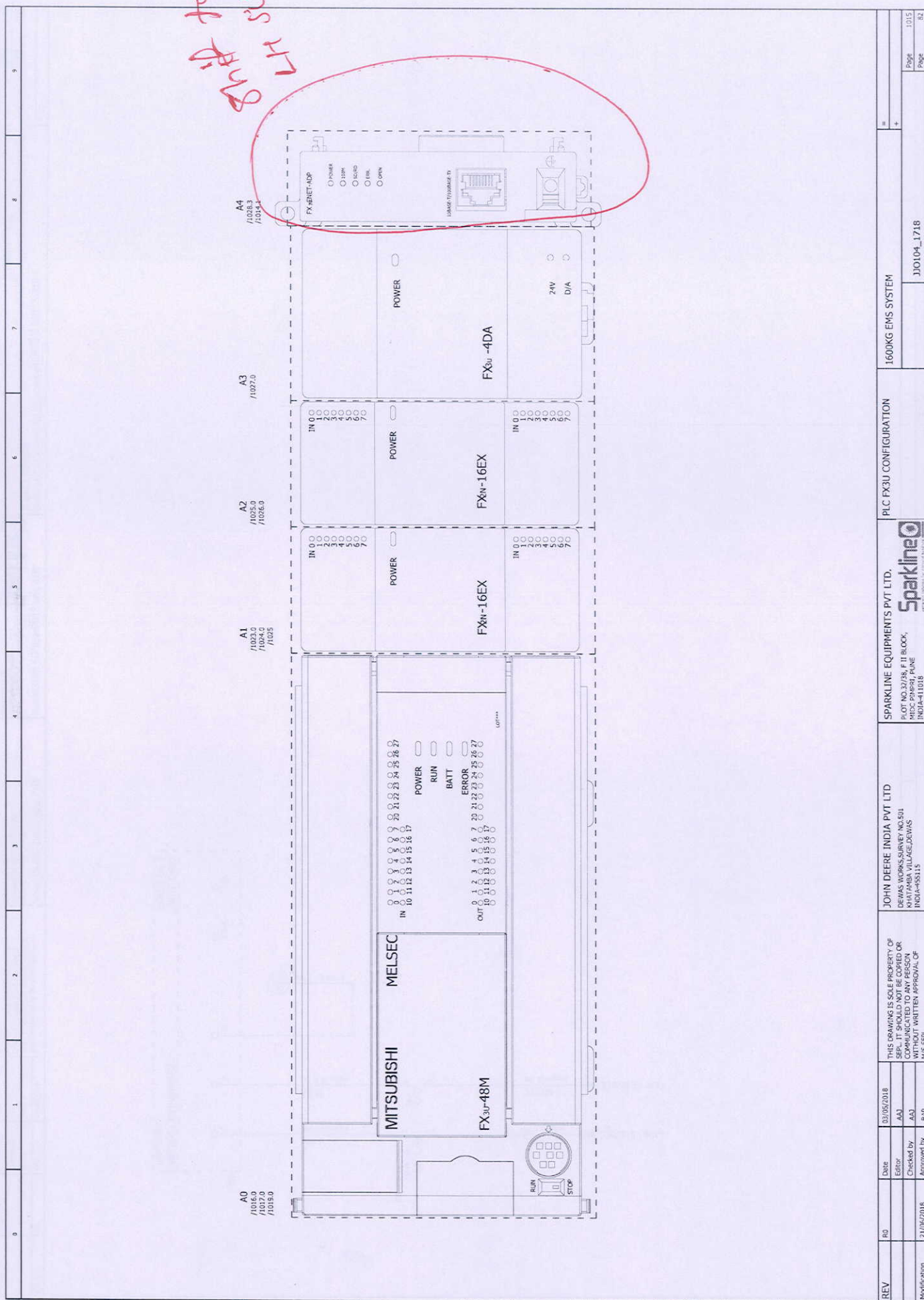
Agarwal
22/6/2018



MPCB SETTING RANGE	
Q2 :-	5.7 A
Q3 :-	3.0 A

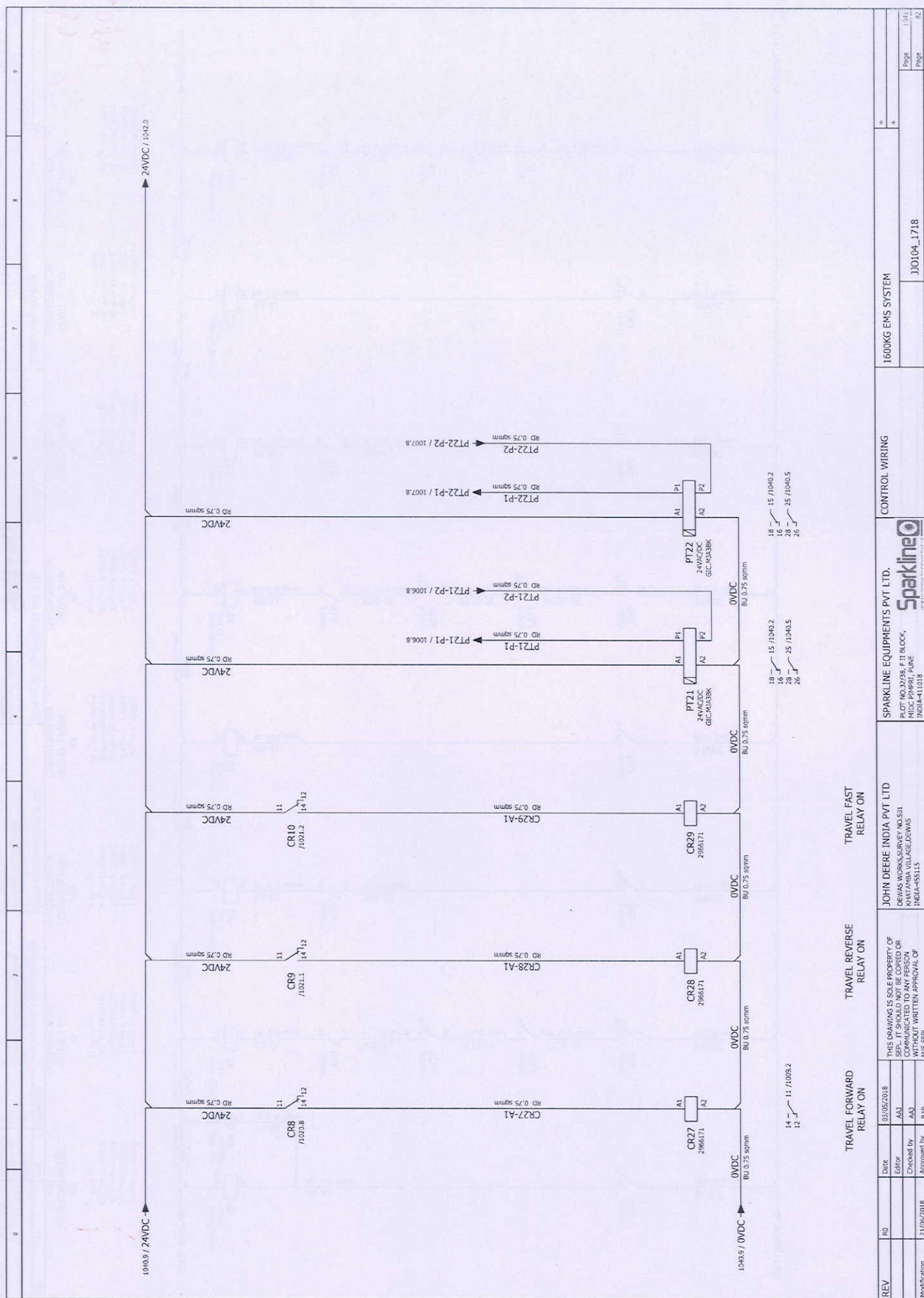
MOTOR TYPE	: E32
MOTOR MODEL	: ST 2010-12/3 2/1
KW RATING	: 2.3KW / 0.57KW
AMP RATING	: 5.7 A/3.0 A
SPEED	: 6/1.5 M/MIN




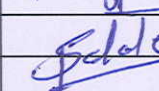
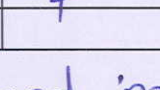


REV	RQ	Date	03/05/2018	<p>THIS DRAWING IS SOLE PROPERTY OF SEPL. IT SHOULD NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER.</p> <p>DEWAS WORKS/SURVEY NO.501 KHATIMBA VILLAGE, DEWAS INDIA-485115</p> <p>Sparkline®</p> <p>PLOT NO.12/18, F II BLOCK, MDC PINERSI, RAHE INDIA-411018</p> <p>SPARKLINE EQUIPMENTS PVT LTD.</p> <p>PLC FX3U CONFIGURATION</p> <p>1600KG EMS SYSTEM</p>	=	
	AAJ	Editor			+	
	AAJ	Checked by				
	AAJ	Approved by				
Modification	3/06/2018					Page 1015
						Page 82

9	8	7	6	5	4	3	2	1	0							
<p>230V-L-3 / 1002.2 BK 1.5 sqmm</p> <p>230V-N-3 / 1002.4 BK 1.5 sqmm</p> <p>AO-L BK 0.75 sqmm</p> <p>AO-N GR 0.75 sqmm</p> <p>F5 2P-4A 50A4004-7HC</p> <p>PE GR 0.75 sqmm</p> <p>24V</p> <p>0V</p> <p>MELSEC FX3U-48MR/ES Mitsubishi</p> <p>24DI, 24DO PART 1 OF 7</p>																
REV	R0	Date	THIS DRAWING IS SOLE PROPERTY OF SPARKLINE EQUIPMENTS PVT LTD. NO PART OF THIS DRAWING TO BE REPRODUCED OR COMMUNICATED TO ANY PERSON WITHOUT WRITTEN APPROVAL OF M/S SEPL.				JOHN DEERE INDIA PVT LTD DEWAS WORKS/DEWAS HQ/501 DEWAS WORKS/DEWAS HQ/501 INDIA-455115		SPARKLINE EQUIPMENTS PVT LTD. PLOT NO.32/38, F II BLOCK, MIDC PUNE INDIA-411010		BASE PLC FX3U-48 MR/ES POWER SUPPLY WIRING		1600KG EMS SYSTEM		J10104_1718	Page 1016
Modification	21/06/2018	Editor	ADJ	Checked by	ADJ	Approved by	RJP								Page 82	

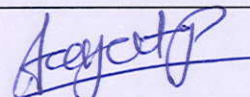
[illegible]

POINTS DISCUSSED IN DESIGN REVIEW

Ref. Documents: 1) Electrical Dwg 2) Bom 3) Hoist instruction	Date:	22/6/2018
	PO No:	4505390870
	CO NO:	330104-1718
	Project Manager:	Bala Patil
	Designer:	Amol Jagatap
PERSONS ATTENDED		SIGNATURE
1) Amol Jagatap		
2) Raju Sable.		
		

- 1) Electrical dwg. discussed in detail & handed over to mfg. department
- 2) Bom is entered in ERP & hard copy is given to mfg.
- 3) CTA →
 - 1) Parameterization of vfd.
 - 2) synchronization of speed.

Designer :


 Date: 22/6/18

Manufacturing Incharge:

Date:

RELEASE AUTHORISED

DATE

Project Manager

SEPL/DRM/01