

*it-batch-KILO*  
*FOR*  
PUTZMEISTER  
ELECTRICAL DRAWINGS



IDS Technologies India Pvt. Ltd.  
Automation Control & Batching Systems

Website : [www.idstechnologies.co.in](http://www.idstechnologies.co.in)  
E- mail : [info@idstechnologies.co.in](mailto:info@idstechnologies.co.in)  
[ids24x7@idstechnologies.co.in](mailto:ids24x7@idstechnologies.co.in)  
Address : Survey No. 344/2 Opp Nagshanti Hyundai  
Showroom Udyambag, Belgaurm- 590008  
Tel: 0831-2440273/2441273

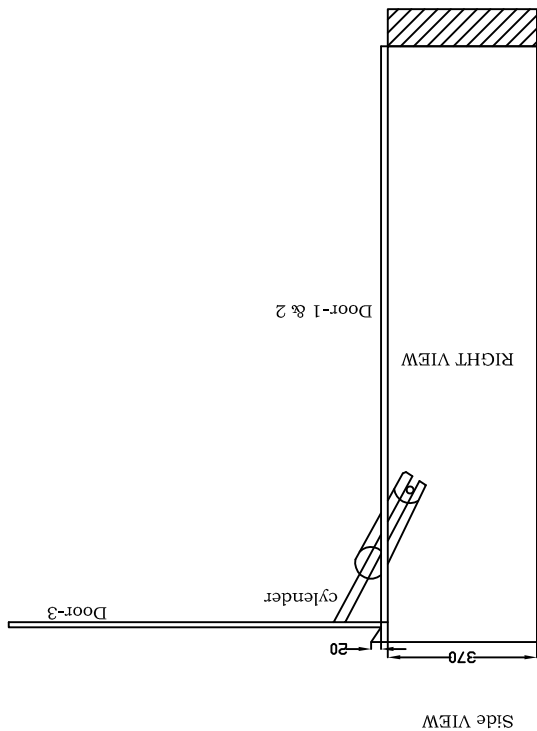
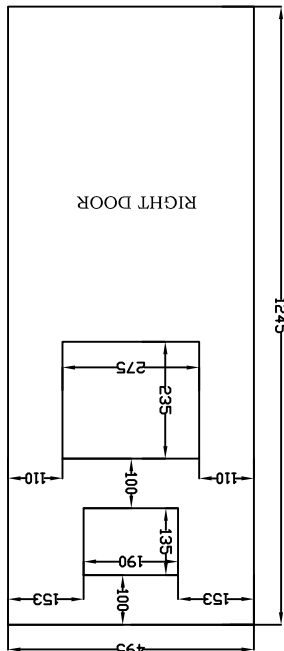
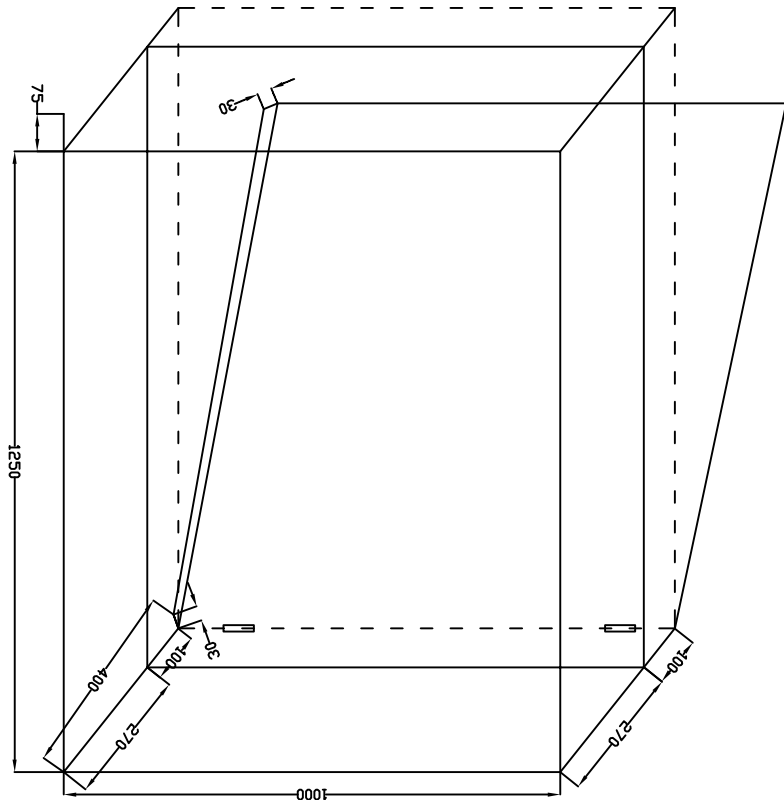
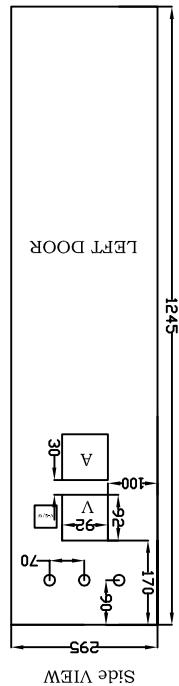
PLANT MODEL:		M-0.3BELT	
SYSTEM MODEL:		<i>it-batch-KILO</i>	
CLIENT :		PUTZMEISTER	
SITE:			
JOB NO:		IDS/PCMP/DO-251	
DRG.NO:		IDS/PCMP/19_20/DO_251	



IDS Technologies  
India Pvt. Ltd.  
Belgaum 590008

TITLE : POWER PANEL DIMENSIONAL LAYOUT

VERSION NO: 1.0  
COMMENTS:  
DATE: 27/02/2020  
SIGNATURE:  
CHECKEDBY:  
TESTED BY:





IDS Technologies  
India Pvt. Ltd.  
Belgaum-590008

TITLE : DIMENSIONAL  
MOUNTING LAYOUT OF PANEL

DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
TESTED BY: \_\_\_\_\_

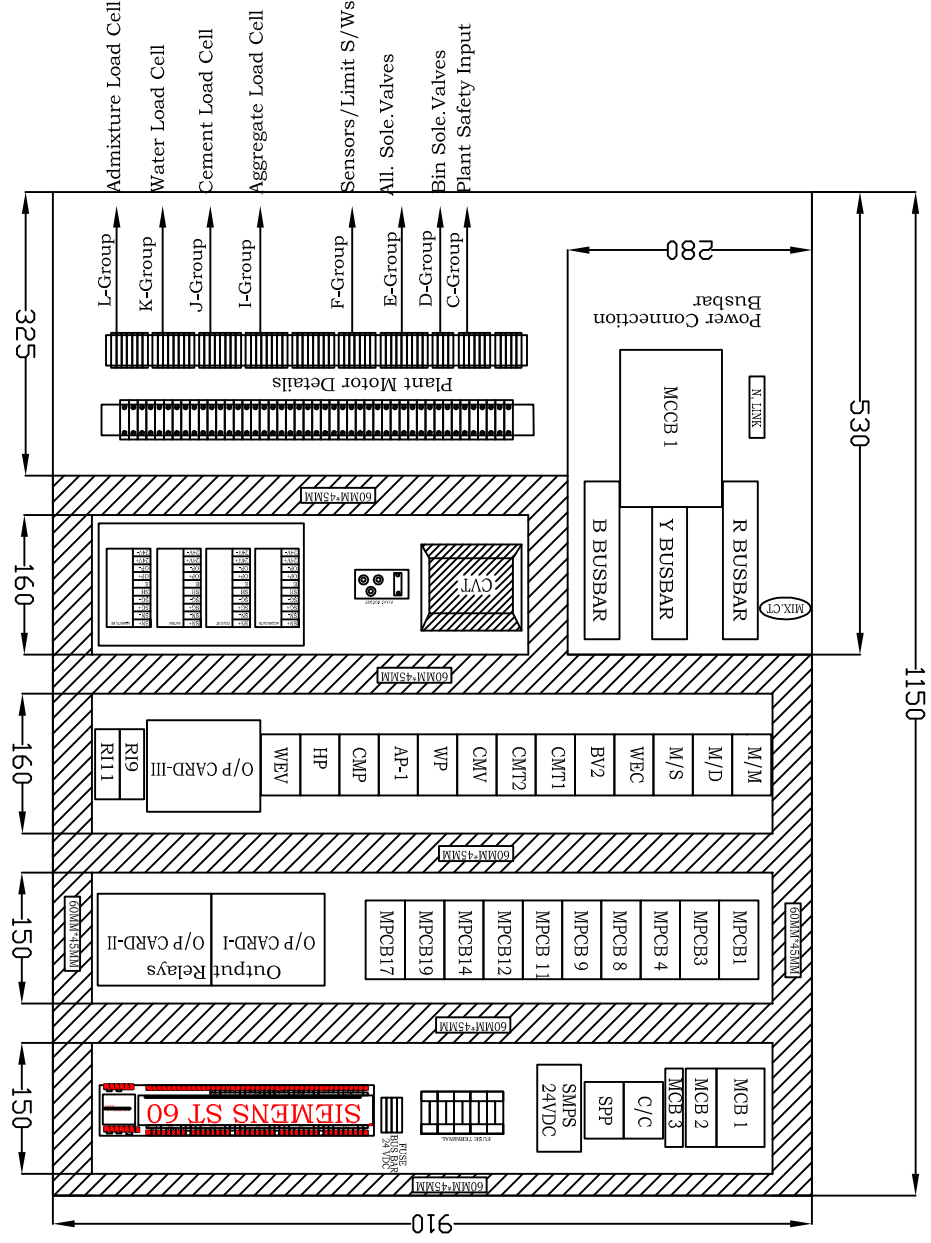
VERSION NO: 1.0  
COMMENTS: \_\_\_\_\_

DATE: \_\_\_\_\_

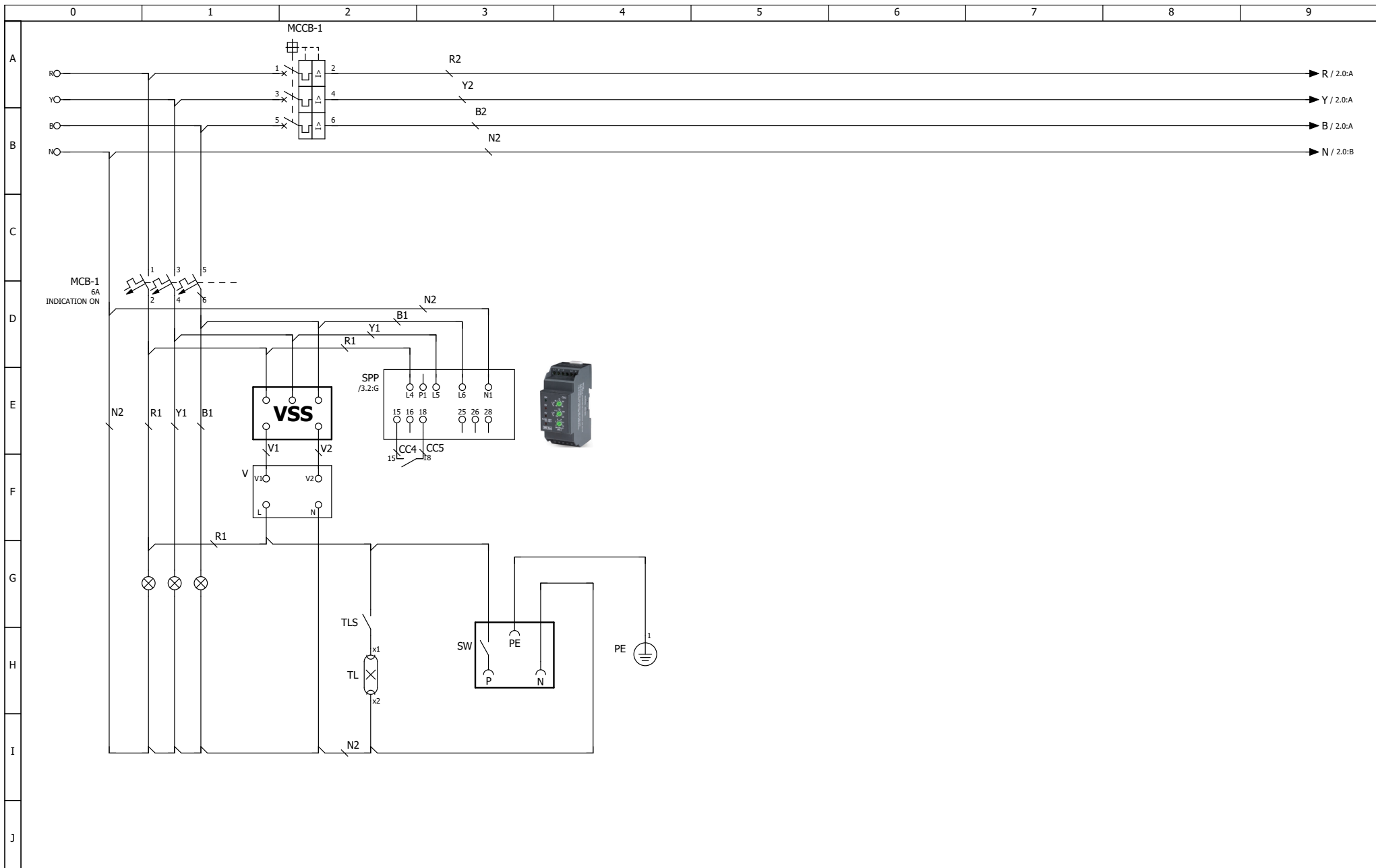
27/02/2020

SHEET: 2/2

Components Layout



ALL DIMENSIONS IN M.M.



**IDS TECHNOLOGIES**  
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**BELGAUM 590008**

**TITLE:-**  
 MAIN INCOMMER

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

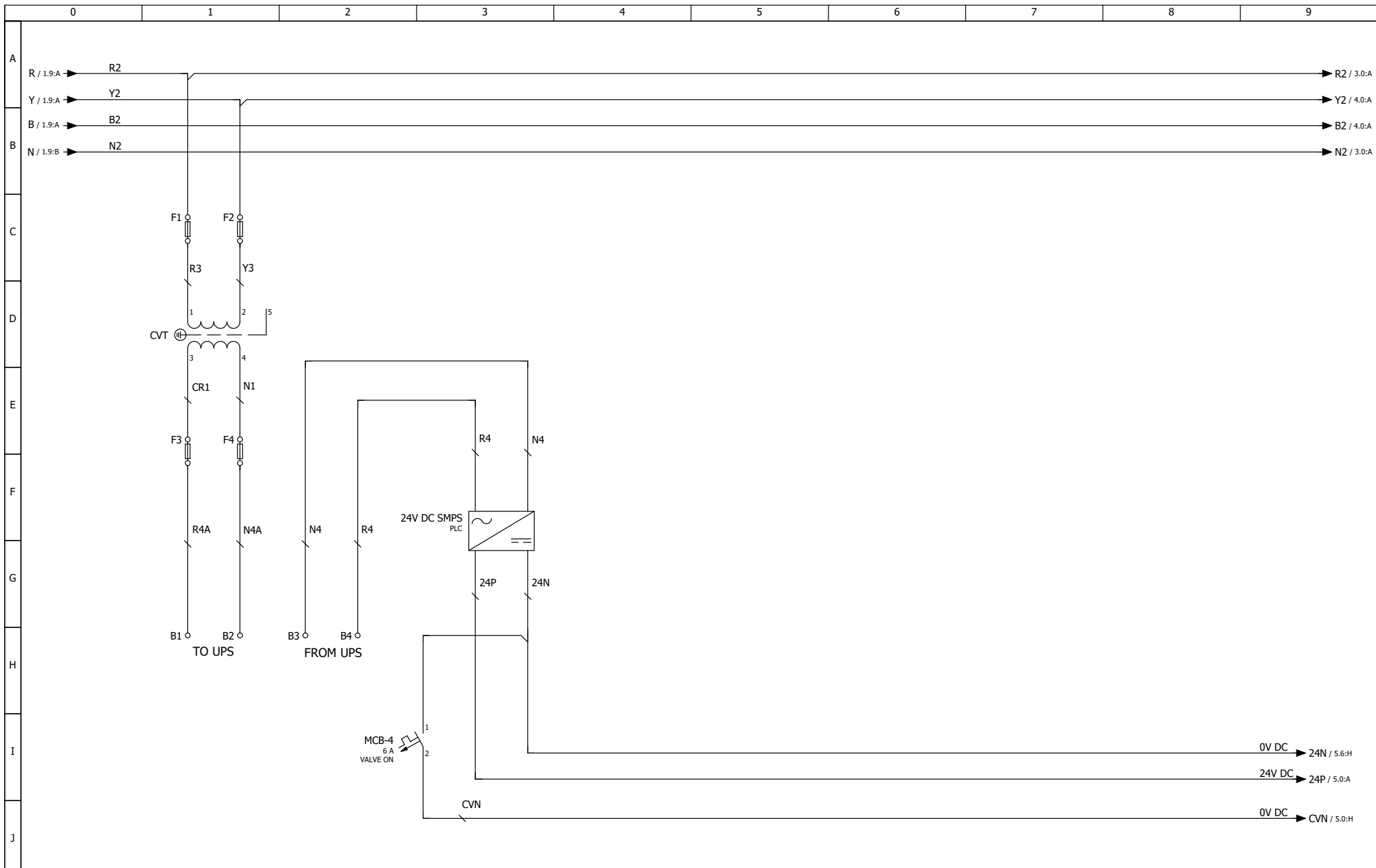
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 1/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Plant Control Circuit

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

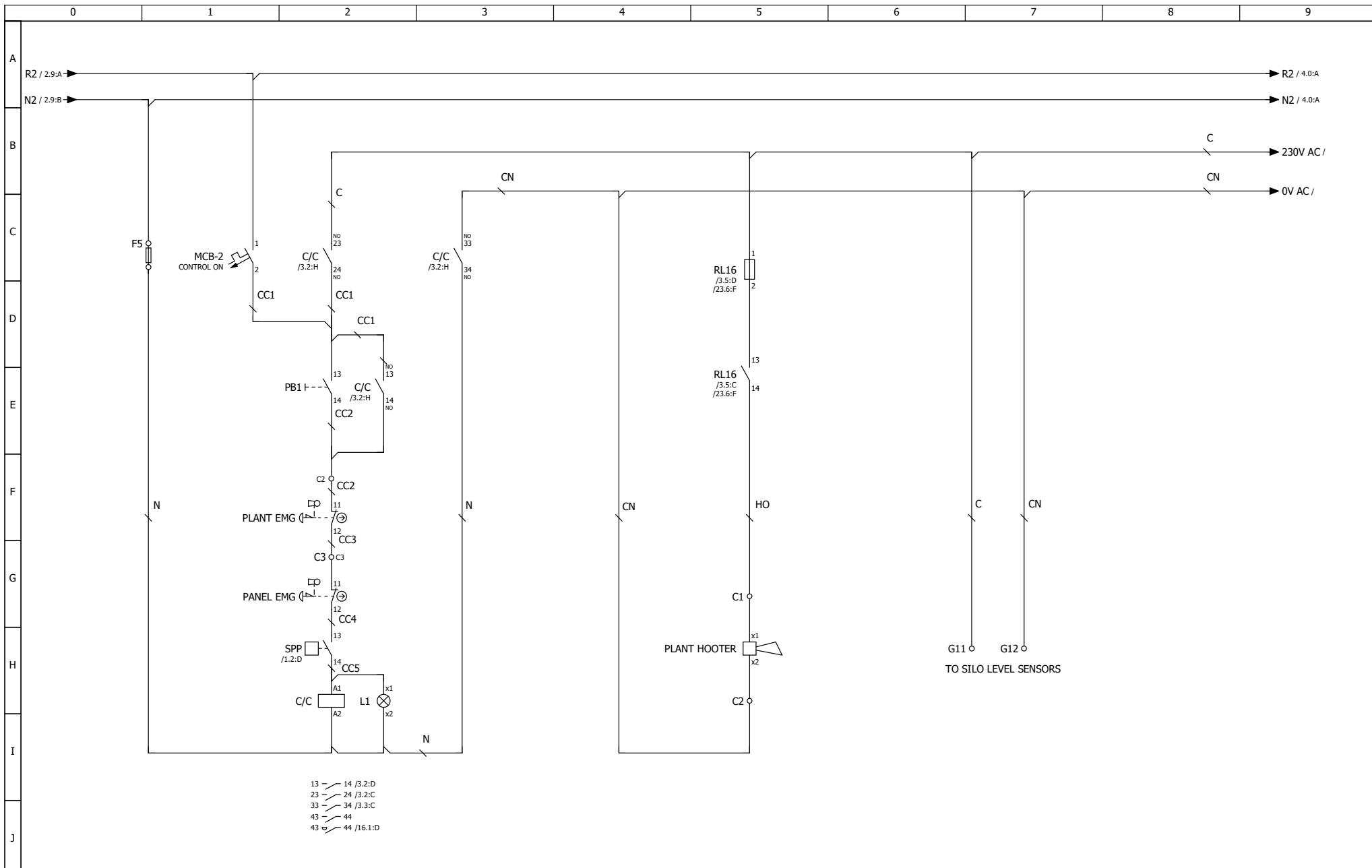
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 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 2/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Control On & Plant Hooter On

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

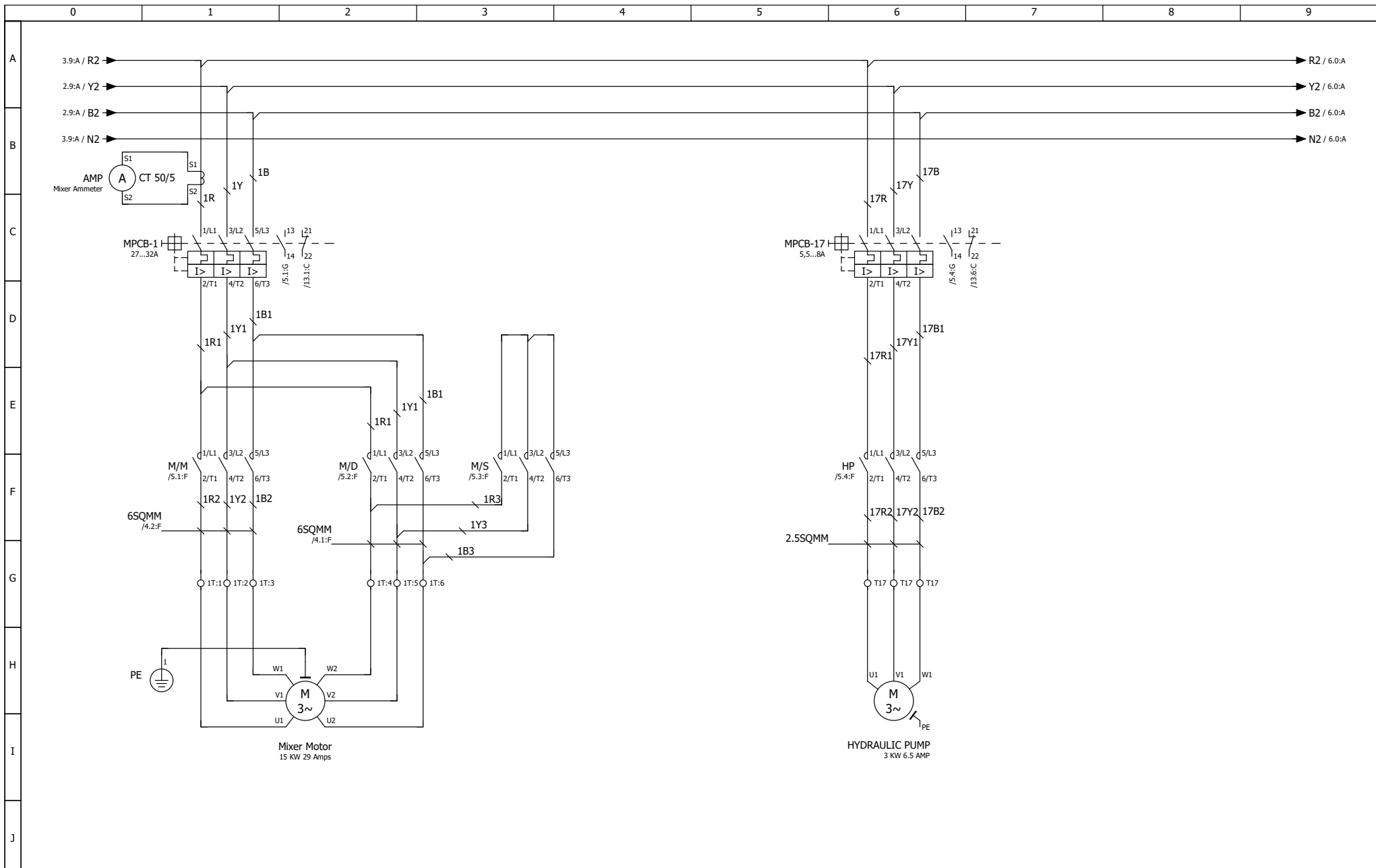
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 3/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Mixer Motor Power Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

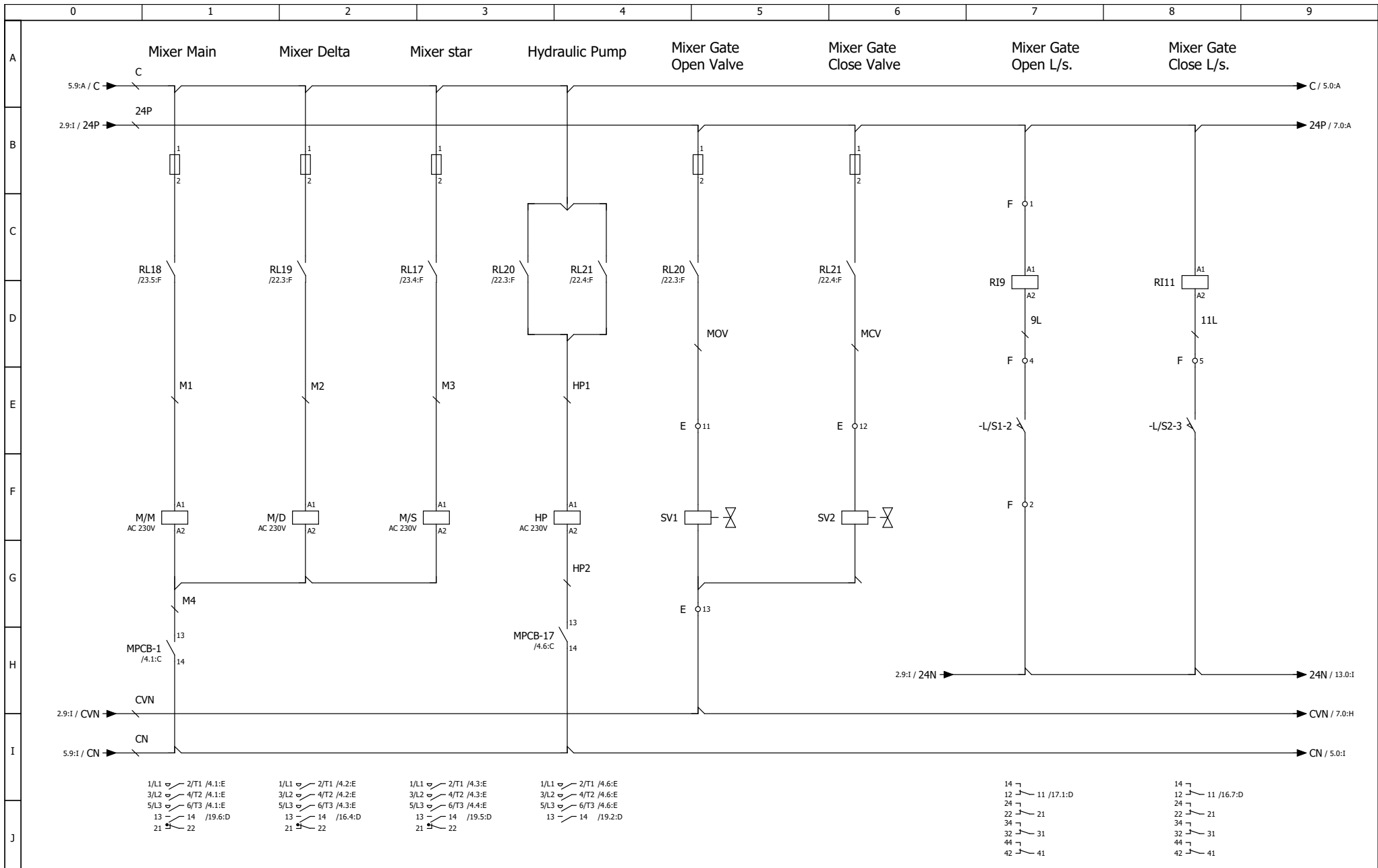
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 4/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Mixer Motor Control Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

**DATE**  
 2/27/2020

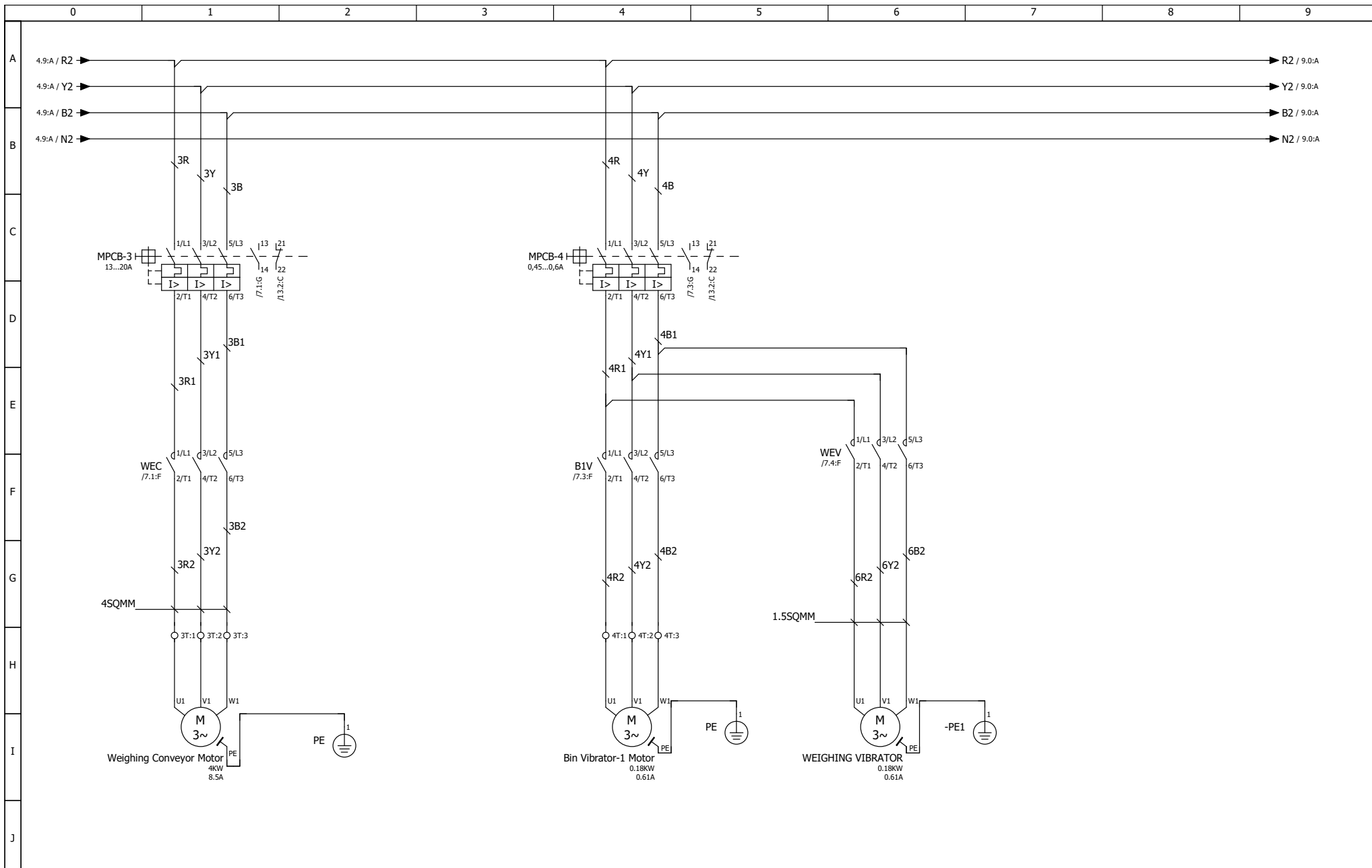
**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 5/23





**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Weighing Con.& Bins Vibrator Motor  
 Power Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

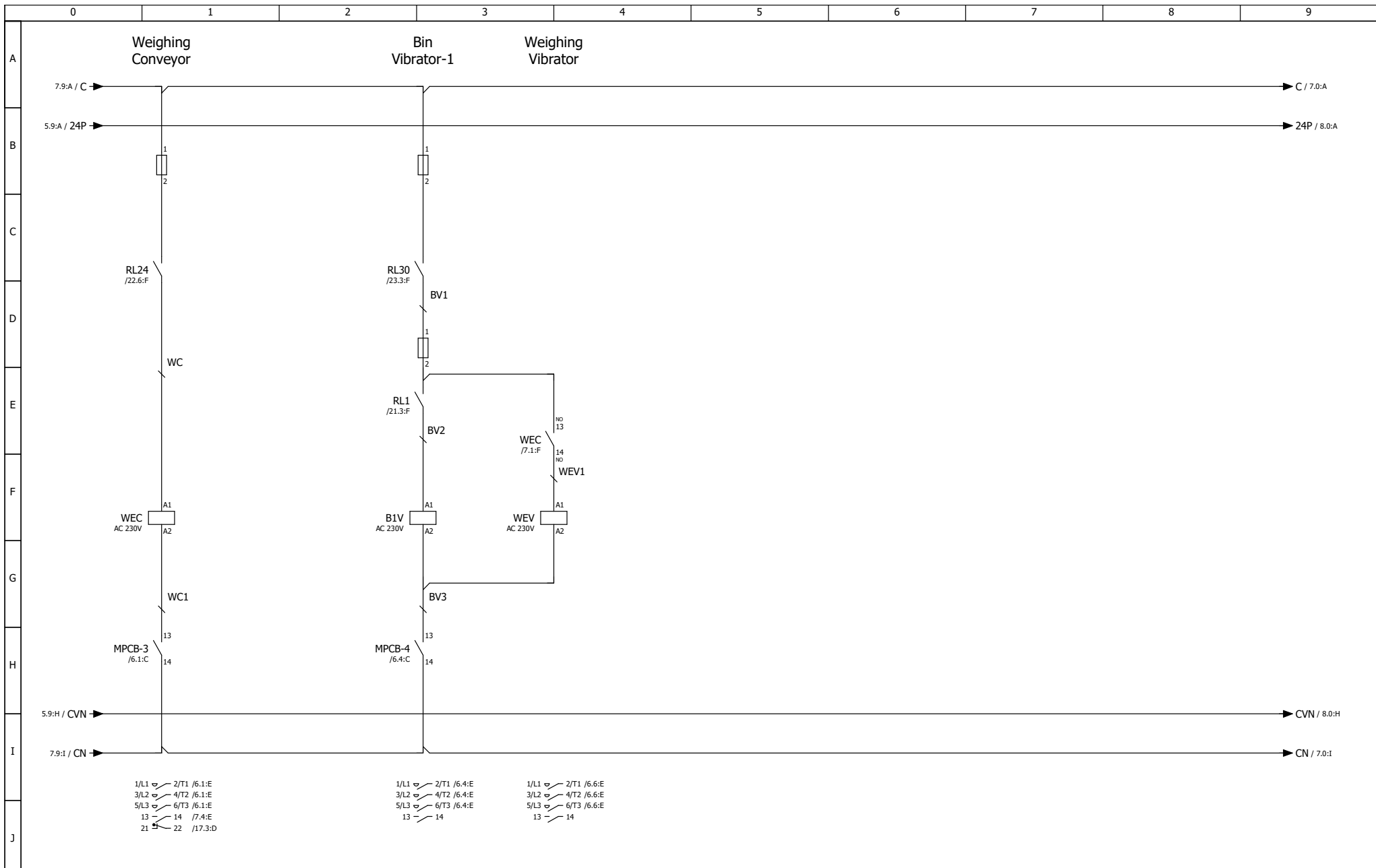
**DATE**  
 2/27/2020


**CLIENT:**  
 EPLAN sample project

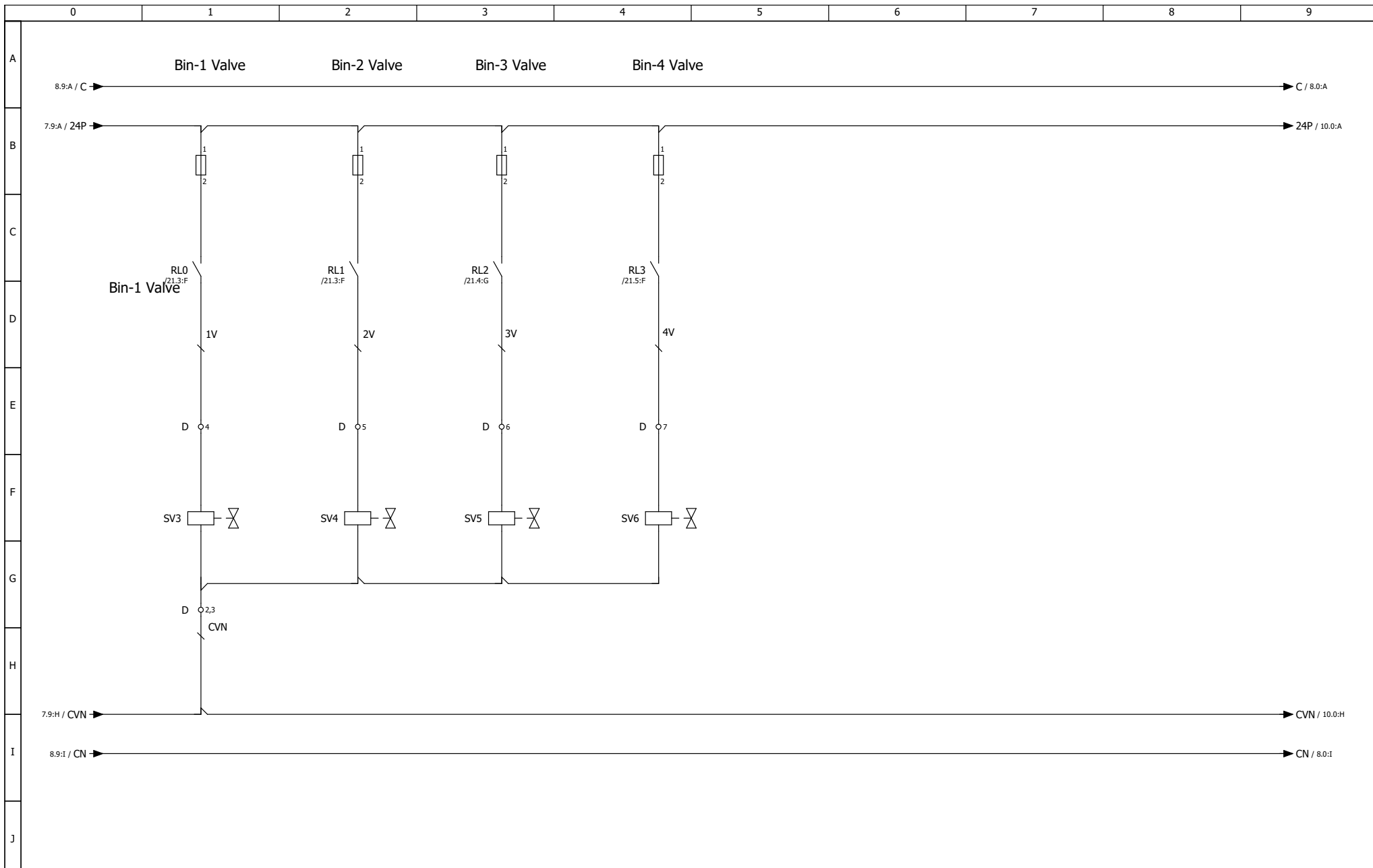
**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 6/23



 <b>IDS TECHNOLOGIES INDIA PVT LTD. BELGAUM 590008</b>	<b>TITLE:-</b> Weighing Conveyor & Bin Vibrator  Motor Control Wiring	<b>DRAWN BY:-</b>		<b>DATE</b> 2/27/2020  <b>CLIENT:</b> EPLAN sample project	<b>VERSION NO:-</b> COMMENTS
		<b>CHECKED BY:-</b>			<b>PLANT MODEL:-</b>
		<b>APPROVED BY:-</b>			<b>SHEET NO:</b> 7/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 All Bins Control Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

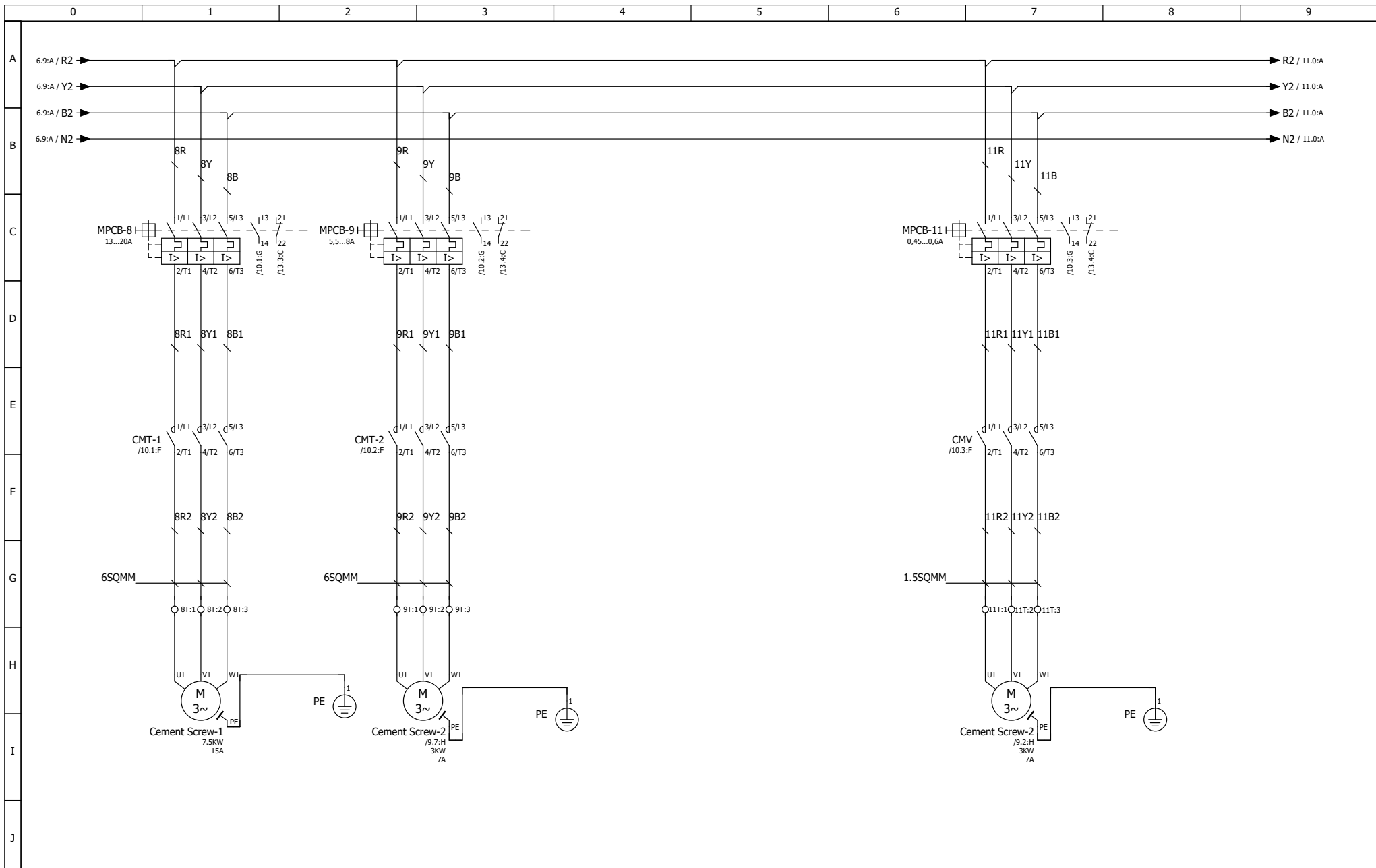
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 8/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Cement Screw Motor Power Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

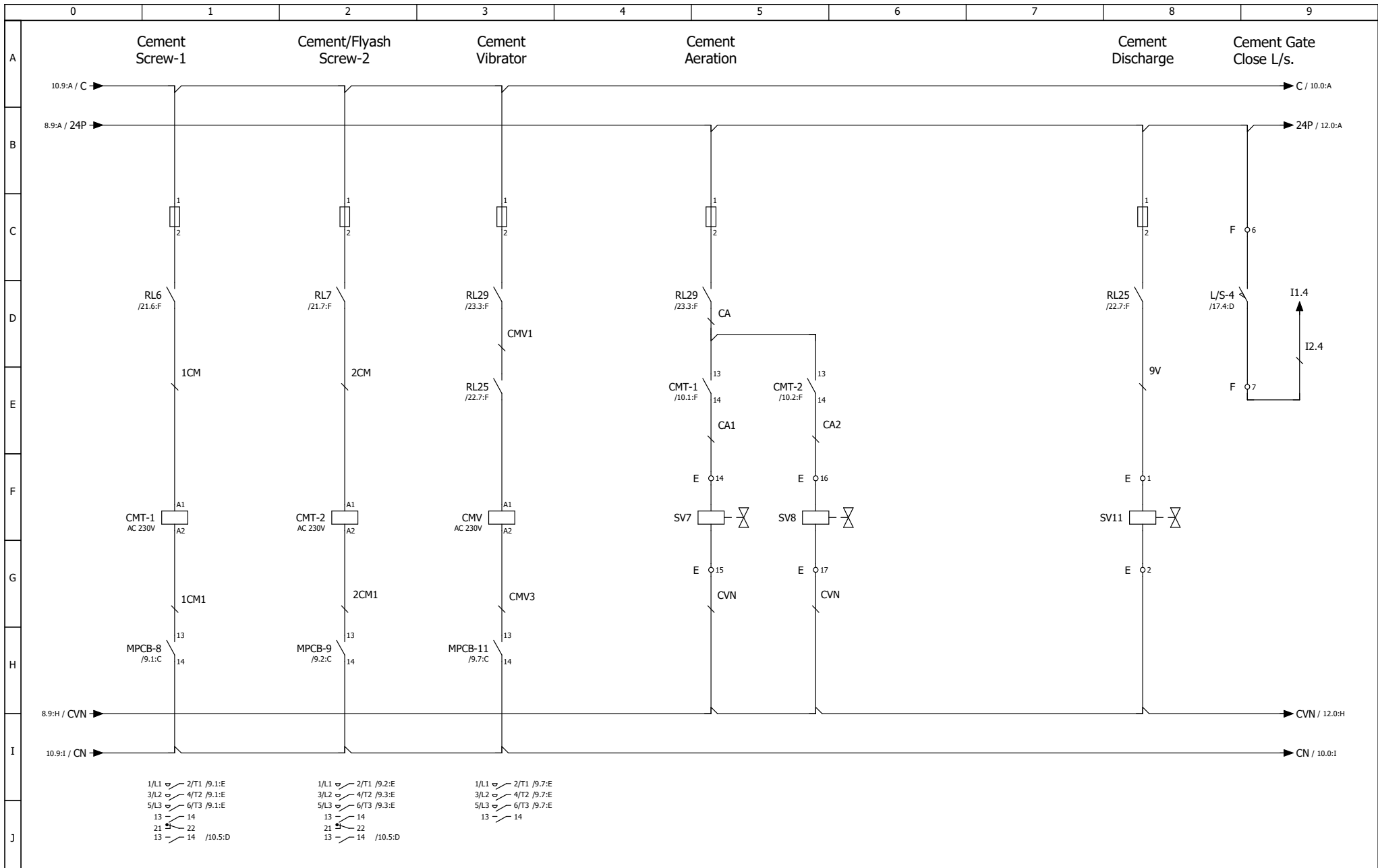
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 9/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Cement Screw Motor Control Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

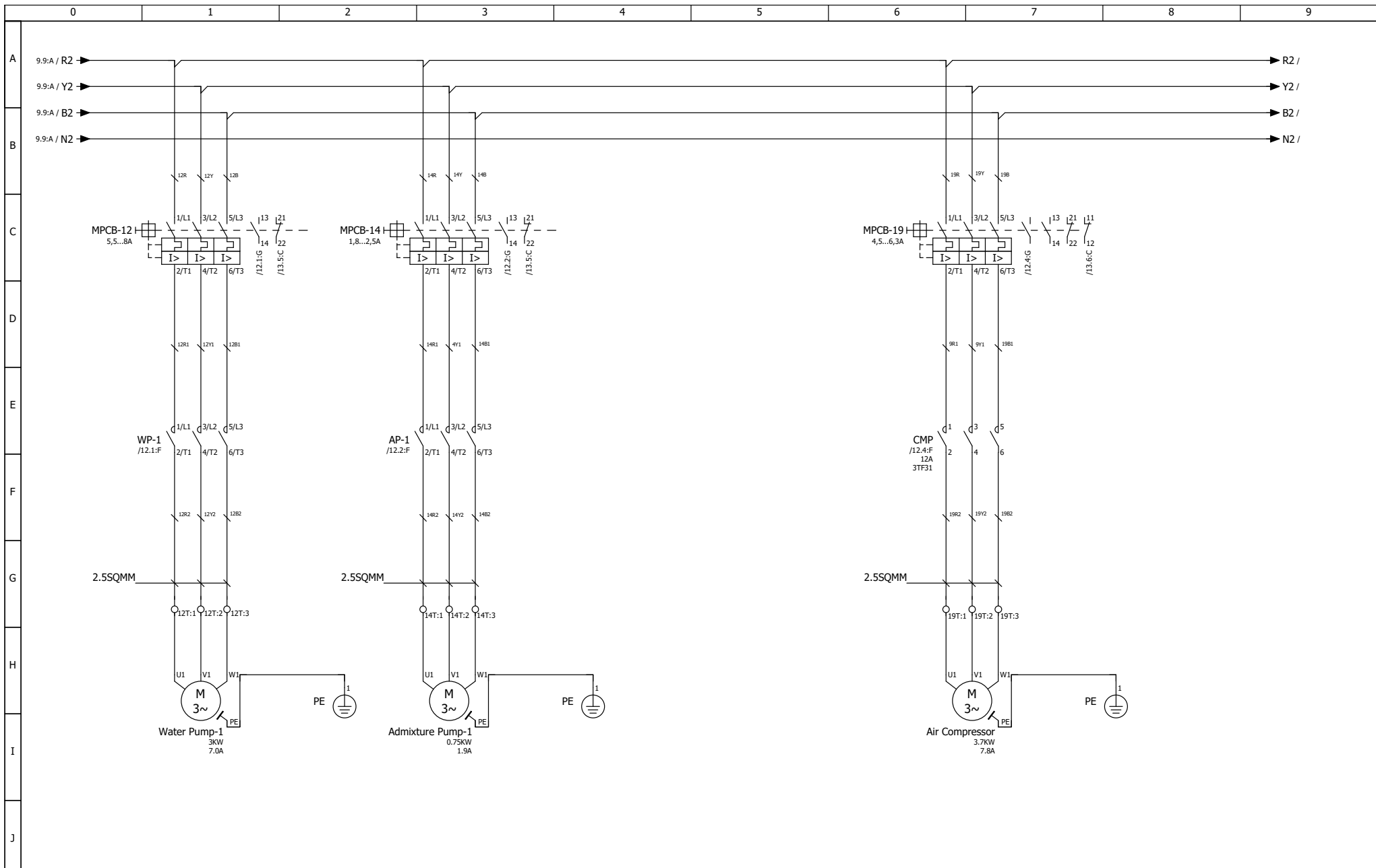
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 10/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Water,Admixture-1 & Compressor  
 Power Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

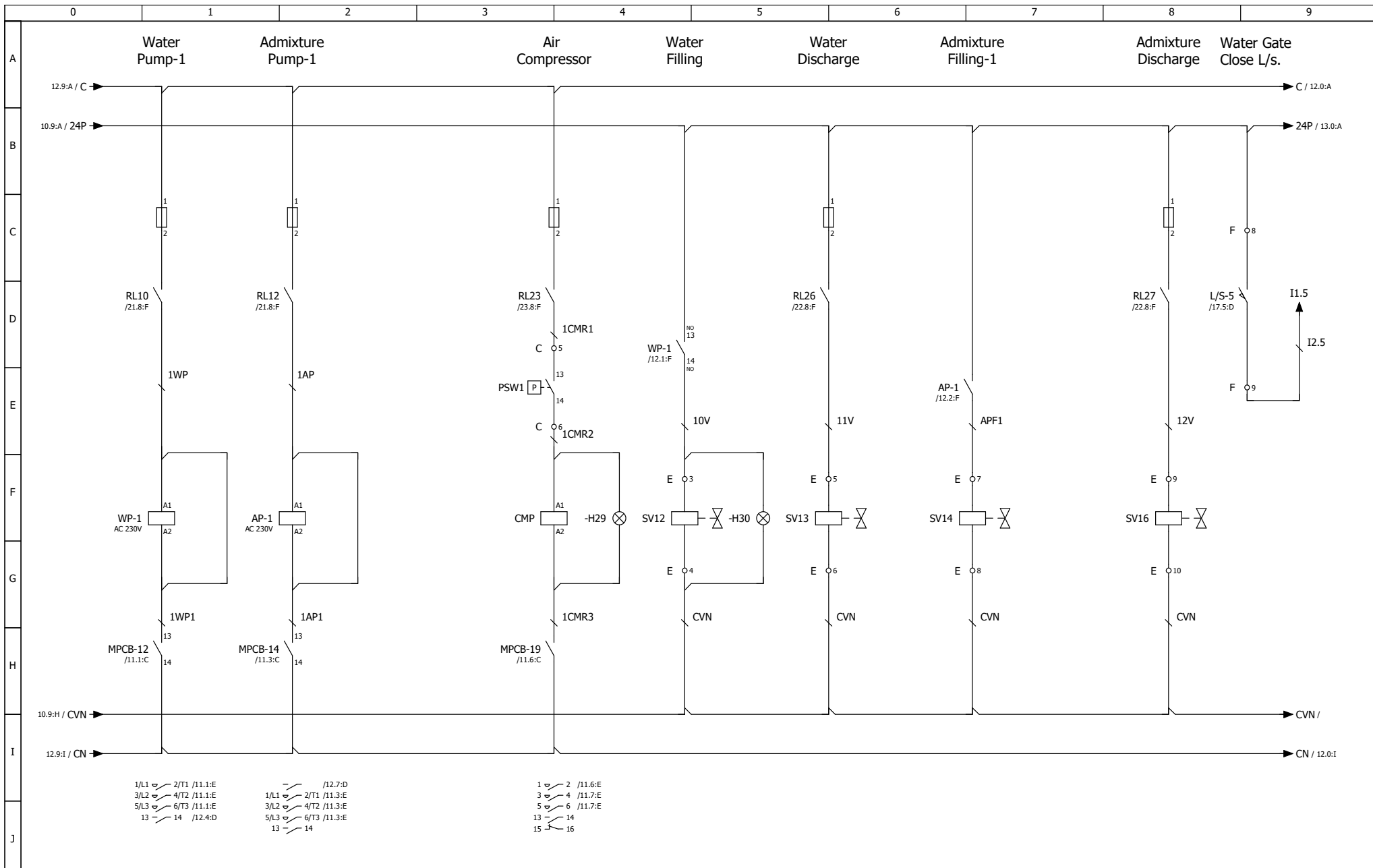
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO: 11/23**



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 Water,Admixture-1 & Compressor  
 Control Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

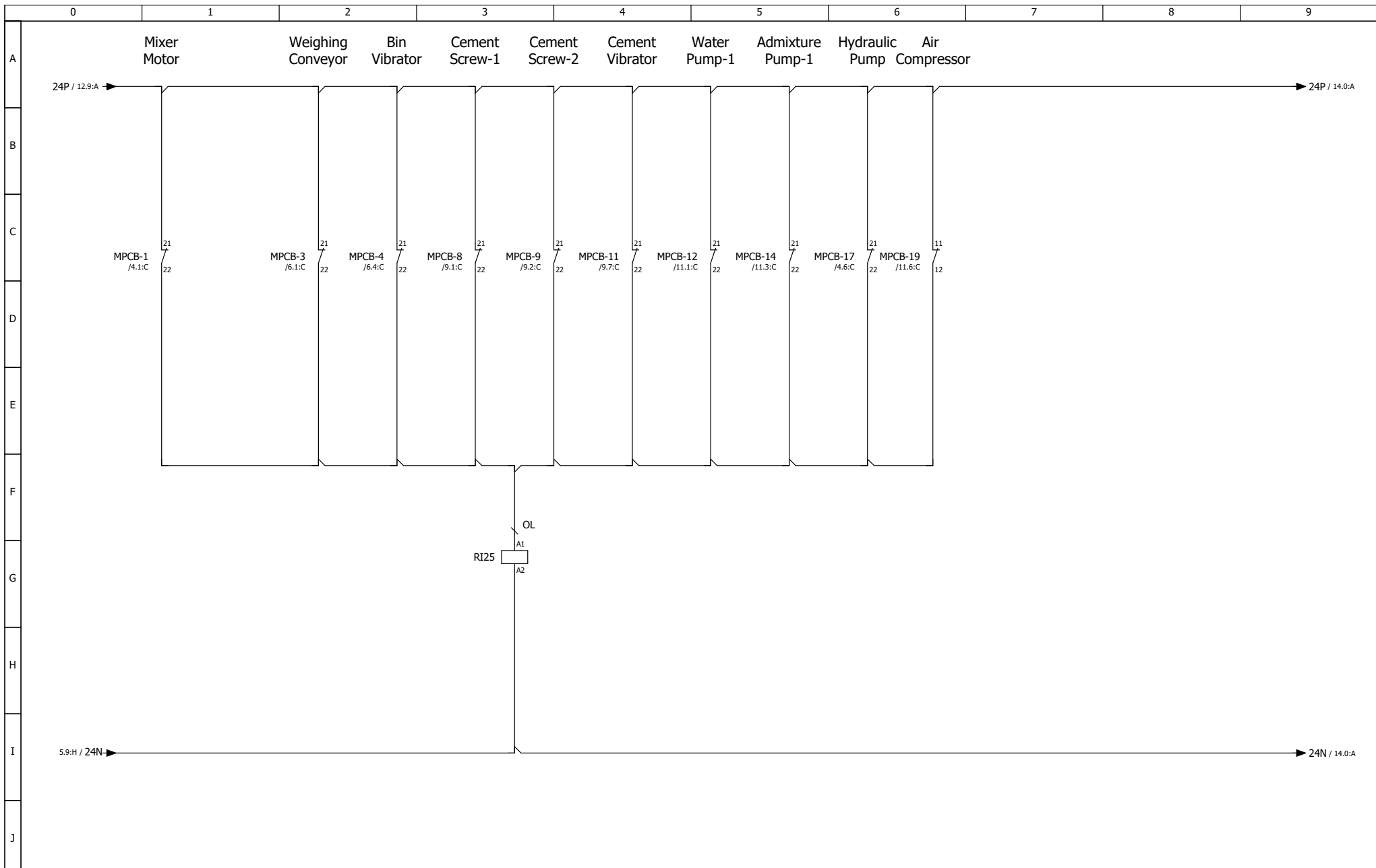
**DATE**  
 2/27/2020

**CLIENT:**  
 EPLAN sample project

**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 12/23



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
All Motor OVER Load Indication  
Control Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

**DATE**  
2/27/2020

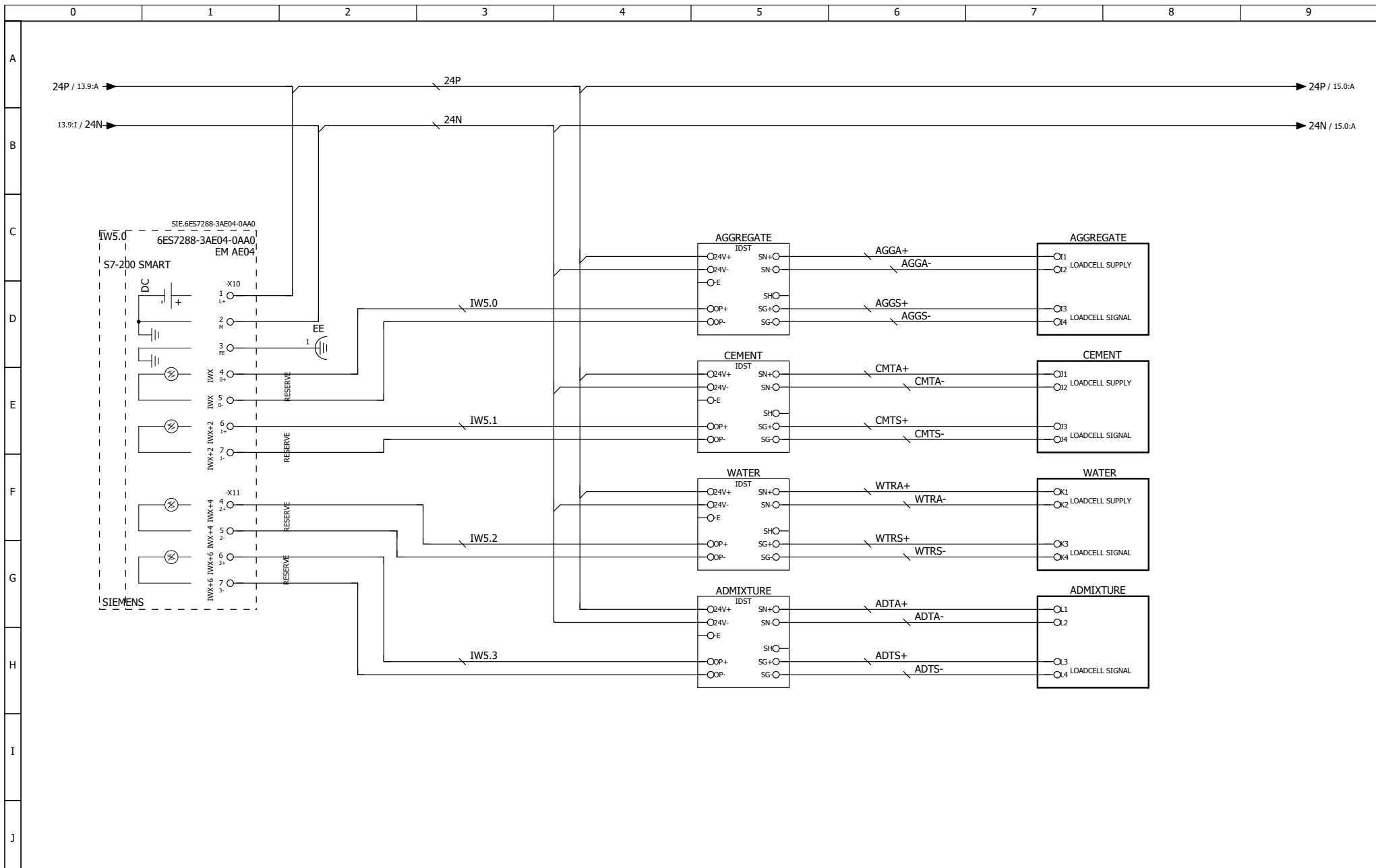
**CLIENT:**  
EPLAN sample project

**VERSION NO:-**  
COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 13/23





**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 PLC Analog, Loadcell & Indicator  
 Wiring

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

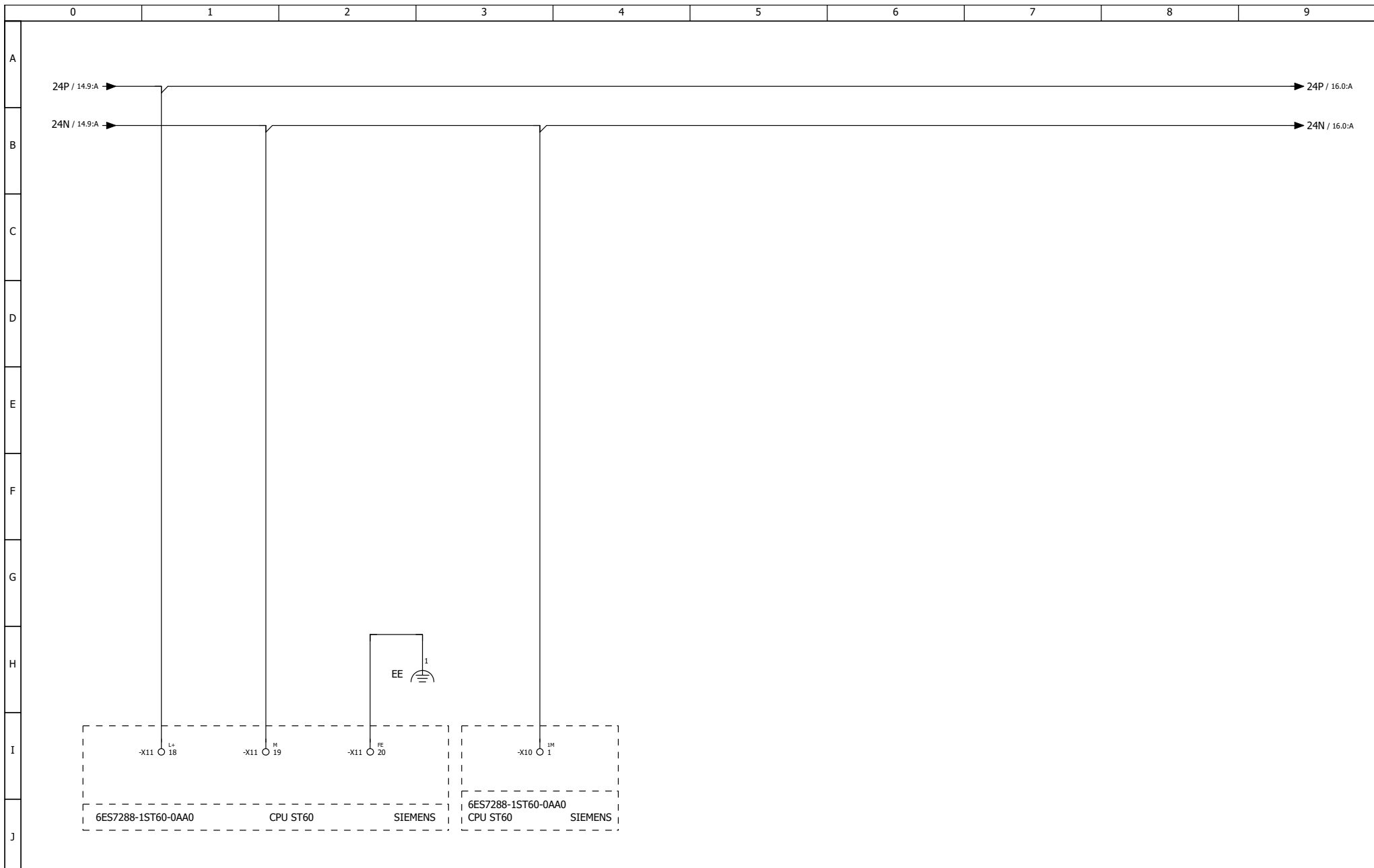
**DATE**  
 2/27/2020


**CLIENT:**  
 EPLAN sample project

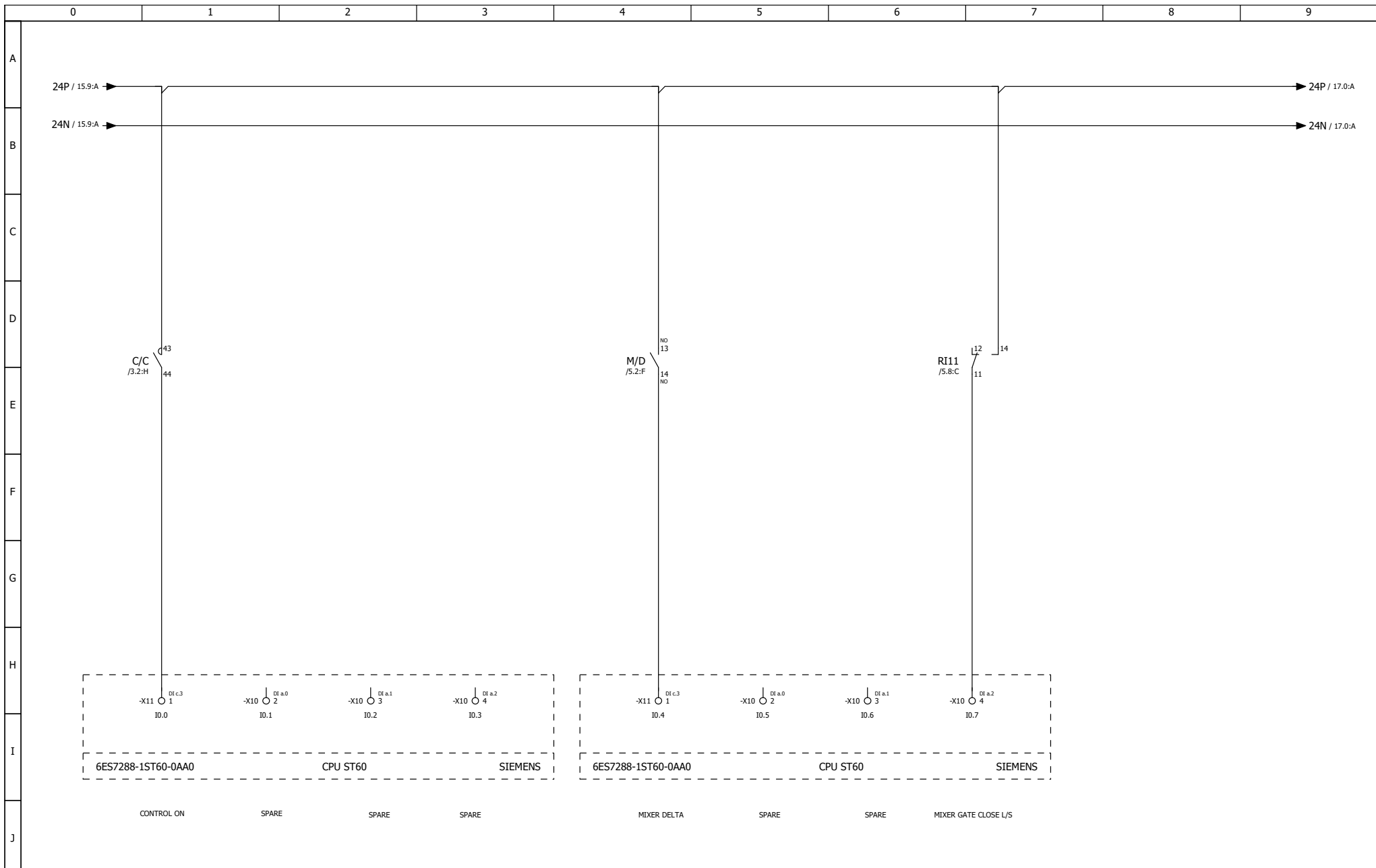
**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 14/23



 <b>IDS TECHNOLOGIES INDIA PVT LTD. BELGAUM 590008</b>	<b>TITLE:-</b> PLC SUPPLY	<b>DRAWN BY:-</b>		<b>DATE</b> 2/27/2020	<b>VERSION NO:-</b> COMMENTS
		<b>CHECKED BY:-</b>		<b>CLIENT:</b> EPLAN sample project	<b>PLANT MODEL:-</b>
		<b>APPROVED BY:-</b>			<b>SHEET NO:</b> 15/23



**IDS TECHNOLOGIES  
INDIA PVT LTD.  
BELGAUM 590008**

**TITLE:-**  
PLC INPUT IO.0 - IO.7

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

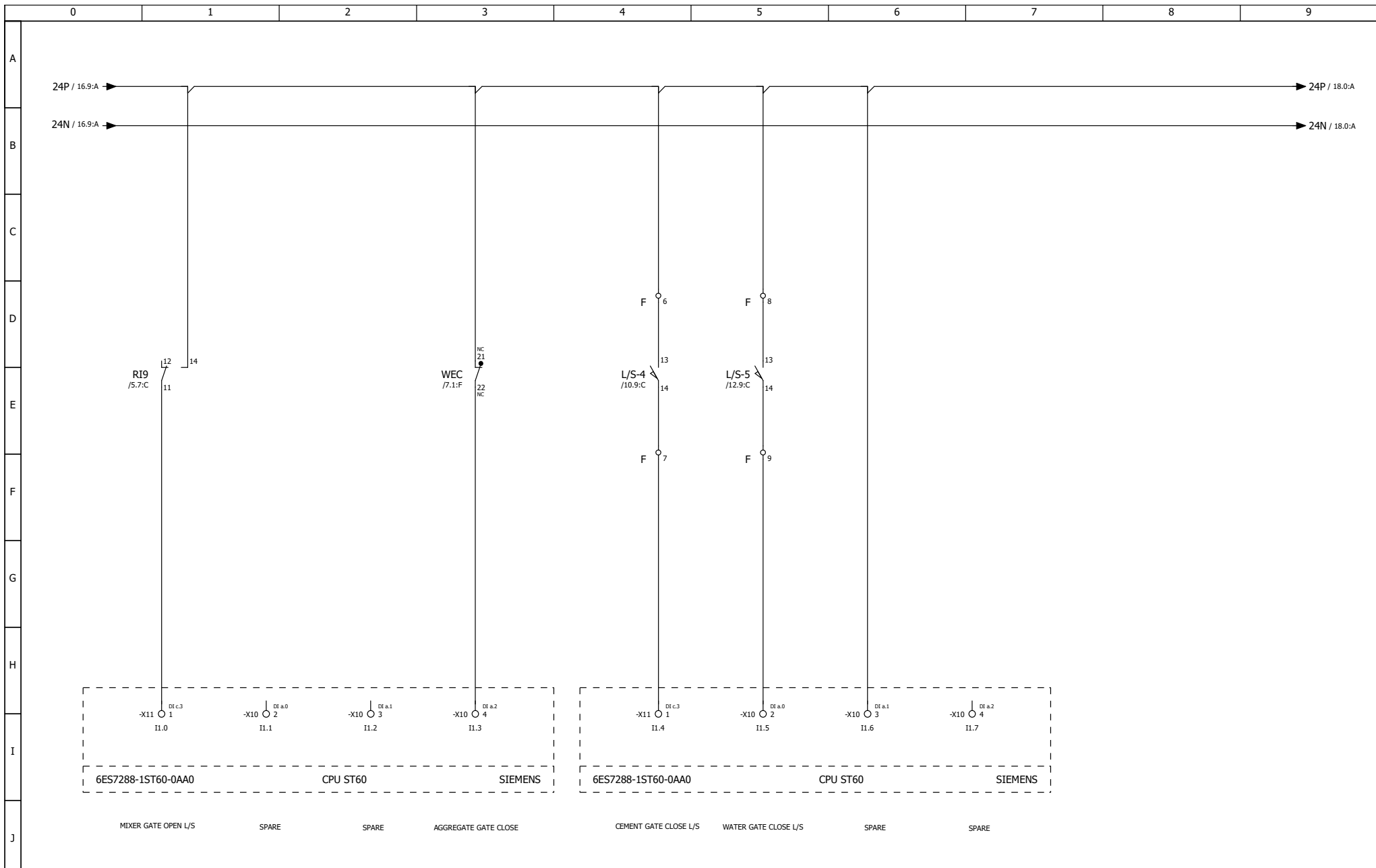
**DATE**  
2/27/2020

**CLIENT:**  
EPLAN sample project

**VERSION NO:-**  
COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 16/23



**IDS TECHNOLOGIES  
INDIA PVT LTD.  
BELGAUM 590008**

**TITLE:-**  
PLC INPUT I1.0 - I0.7

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

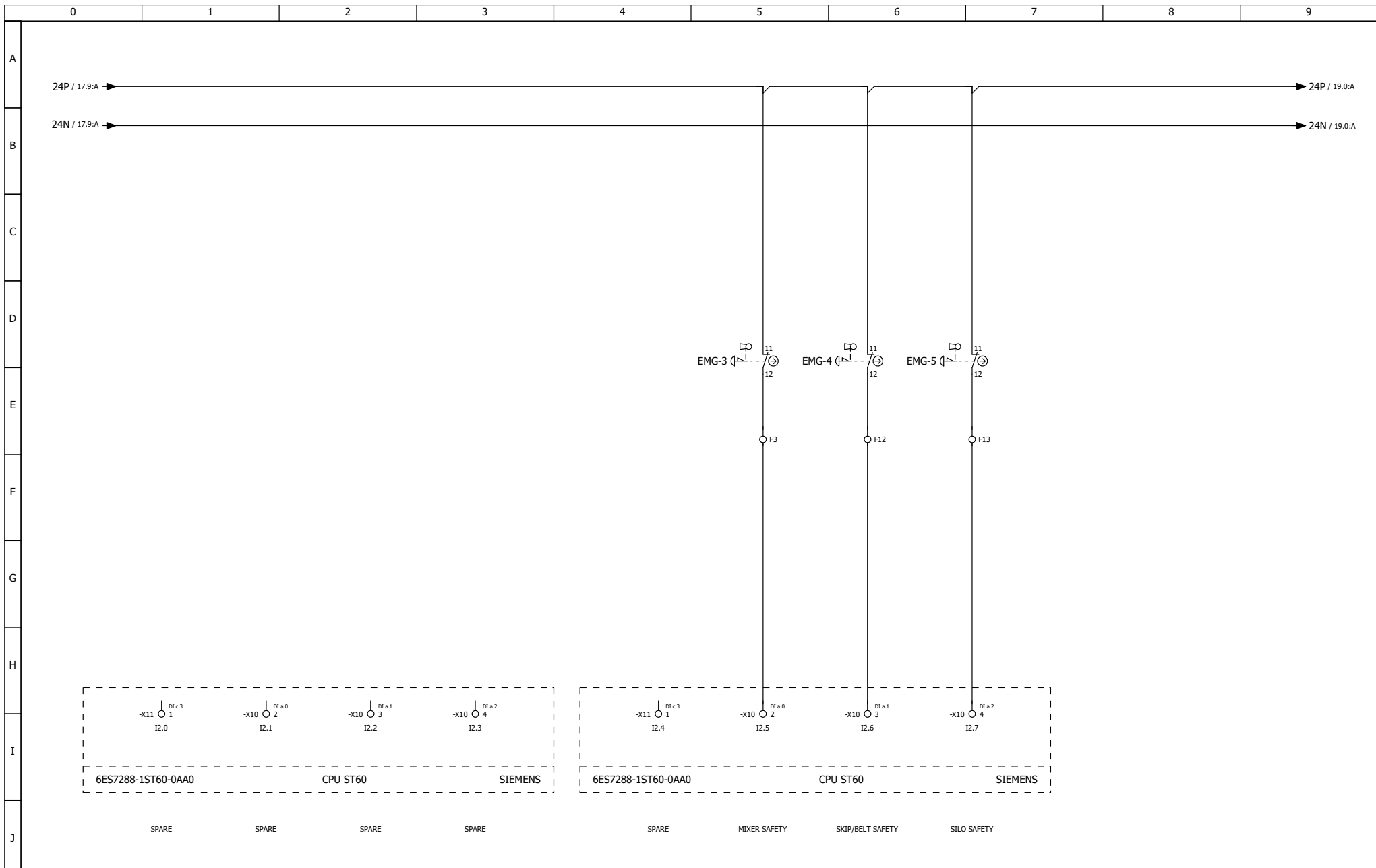
**DATE**  
2/27/2020

**CLIENT:**  
EPLAN sample project

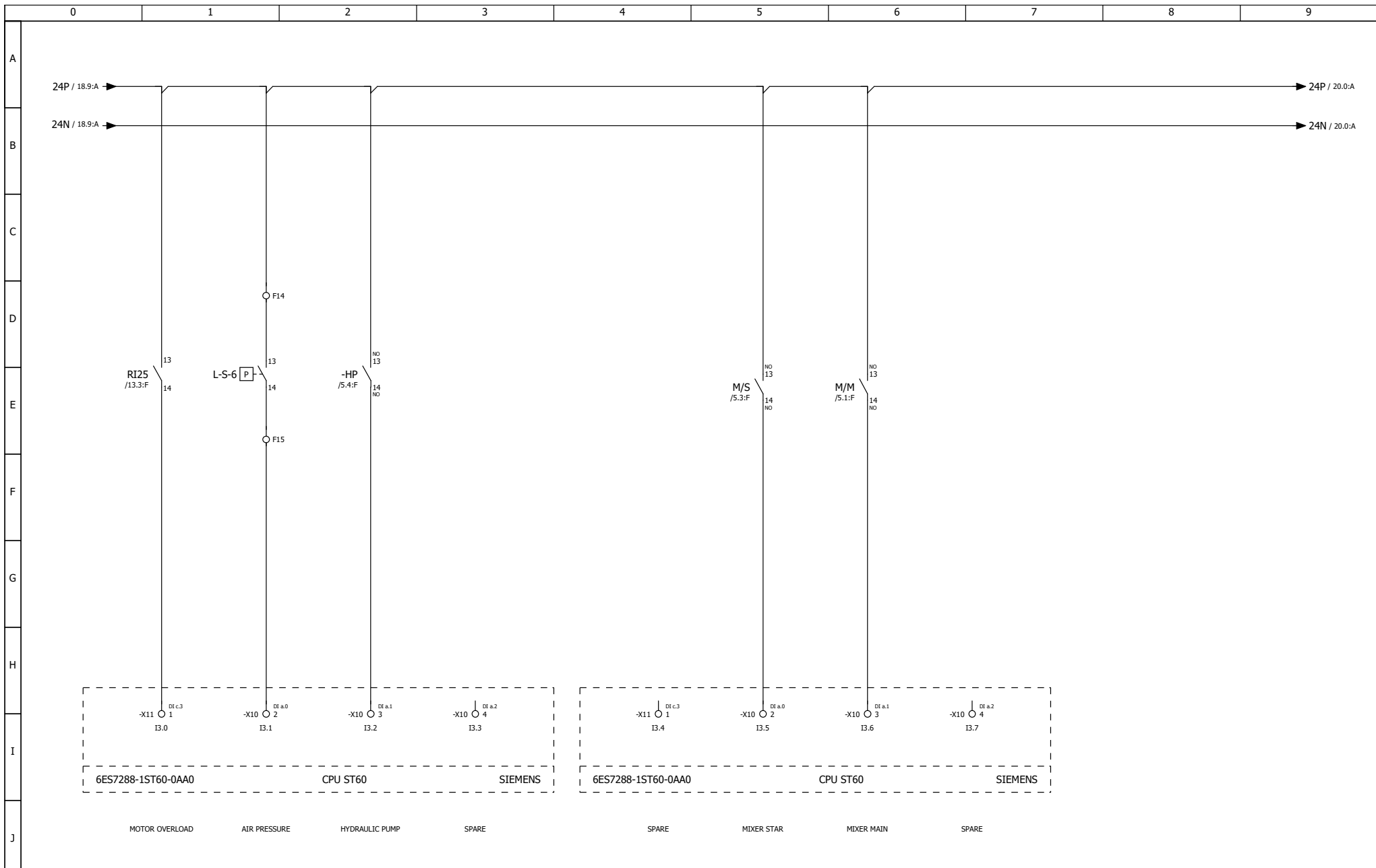
**VERSION NO:-**  
COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 17/23



<div>IDS</div> <div>IDS TECHNOLOGIES INDIA PVT LTD. BELGAUM 590008</div>	<div>TITLE:-</div> <div>PLC INPUT I2.0 - I2.7</div>	DRAWN BY:-		<div>DATE</div> <div>2/27/2020</div> <div>CLIENT:</div> <div>EPLAN sample project</div>	<div>VERSION NO:-</div> <div>COMMENTS</div>
		CHECKED BY:-			<div>PLANT MODEL:-</div>
		APPROVED BY:-			<div>SHEET NO: 18/23</div>



**IDS TECHNOLOGIES**  
**INDIA PVT LTD.**  
**BELGAUM 590008**

**TITLE:-**  
 PLC INPUT I3.0 - I3.7

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

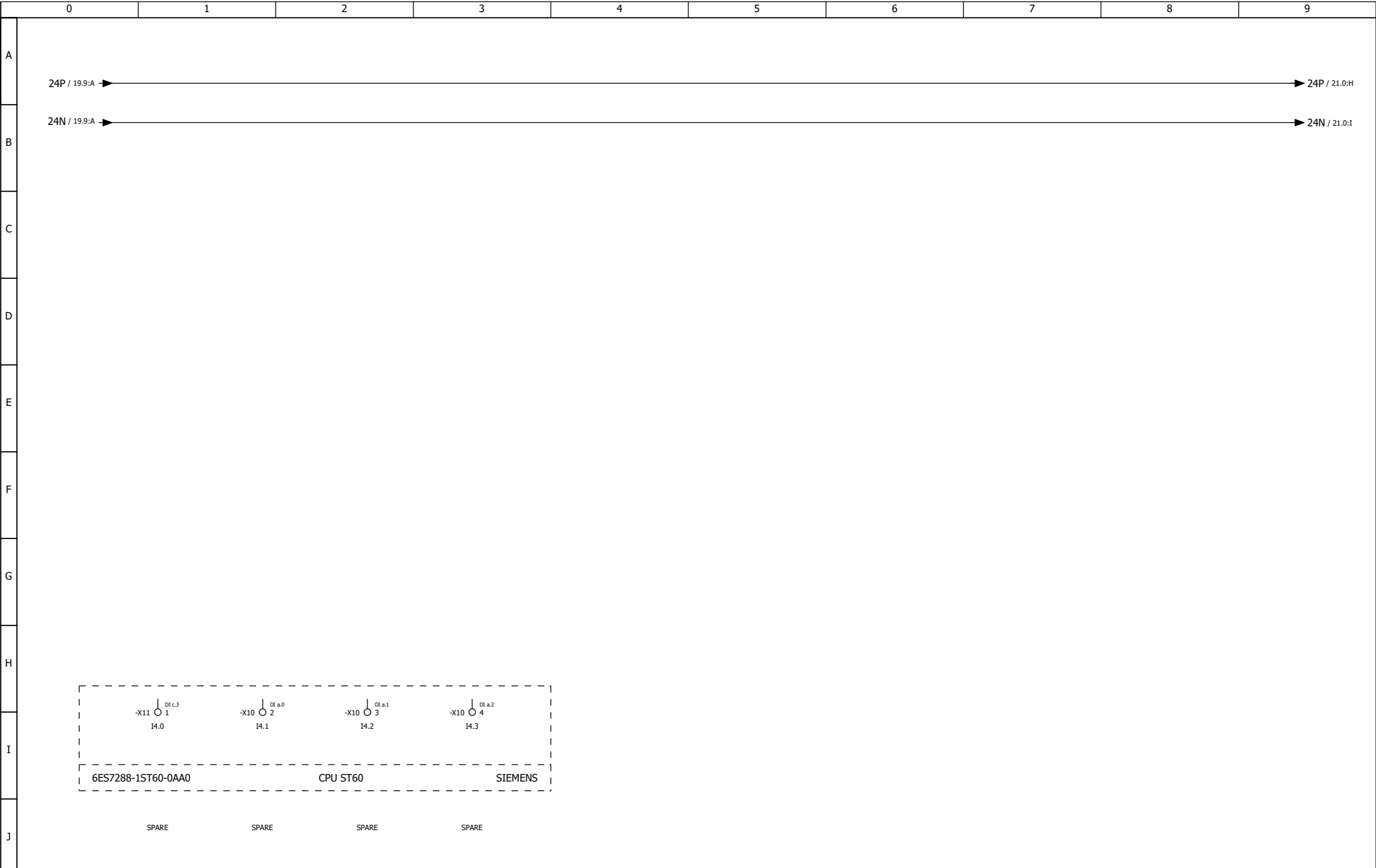
**DATE**  
 2/27/2020


**CLIENT:**  
 EPLAN sample project

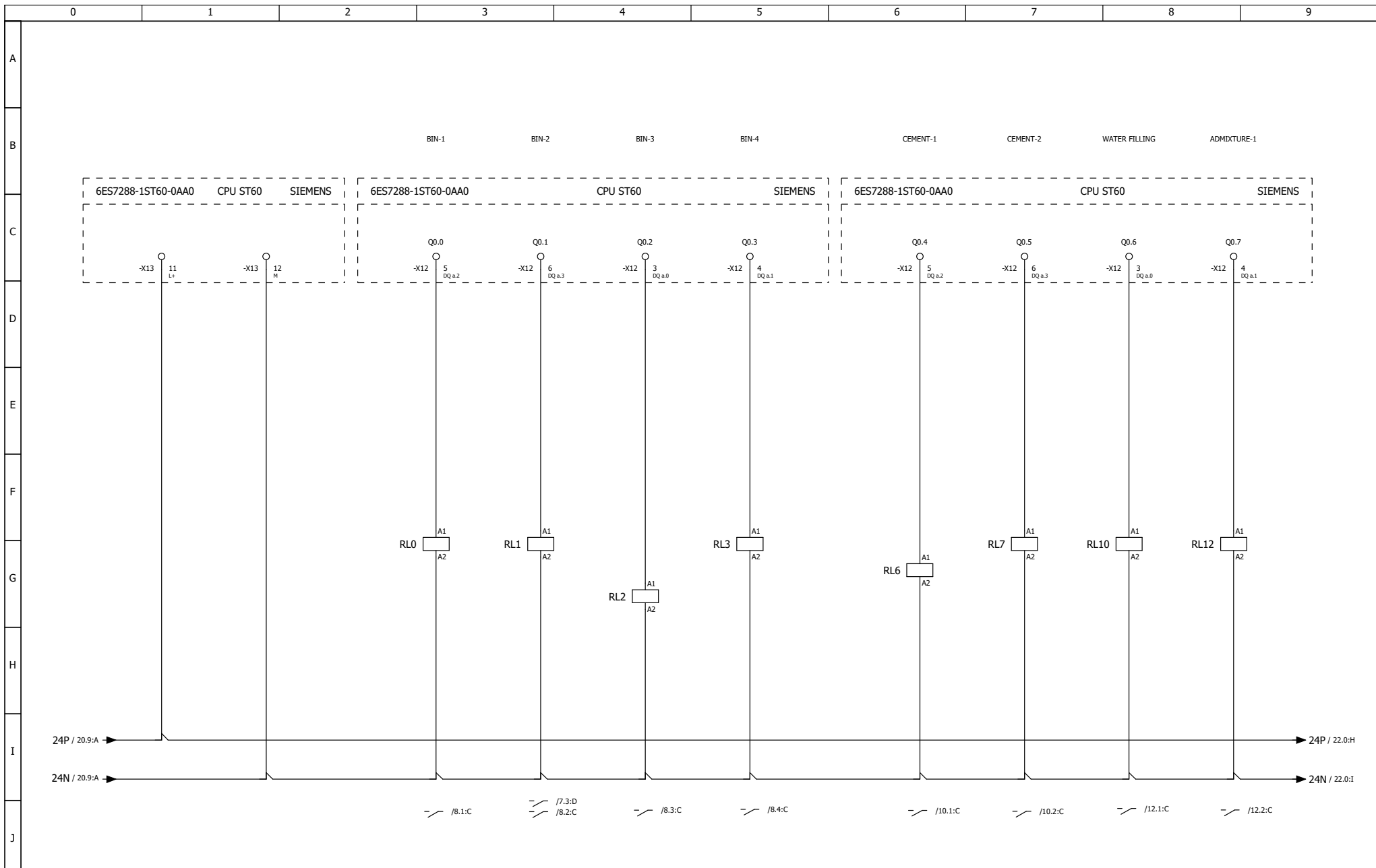
**VERSION NO:-**  
 COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 19/23



	IDS TECHNOLOGIES INDIA PVT LTD. BELGAUM 590008	TITLE:- PLC INPUT I4.0 - I4.3	DRAWN BY:-		DATE 2/27/2020	VERSION NO:- COMMENTS
			CHECKED BY:-		CLIENT: EPLAN sample project	PLANT MODEL:-
			APPROVED BY:-			SHEET NO: 20/23



**IDS TECHNOLOGIES  
INDIA PVT LTD.  
BELGAUM 590008**

**TITLE:-** PLC OUTPUT Q0.0 - Q0.7

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

**DATE**  
2/27/2020

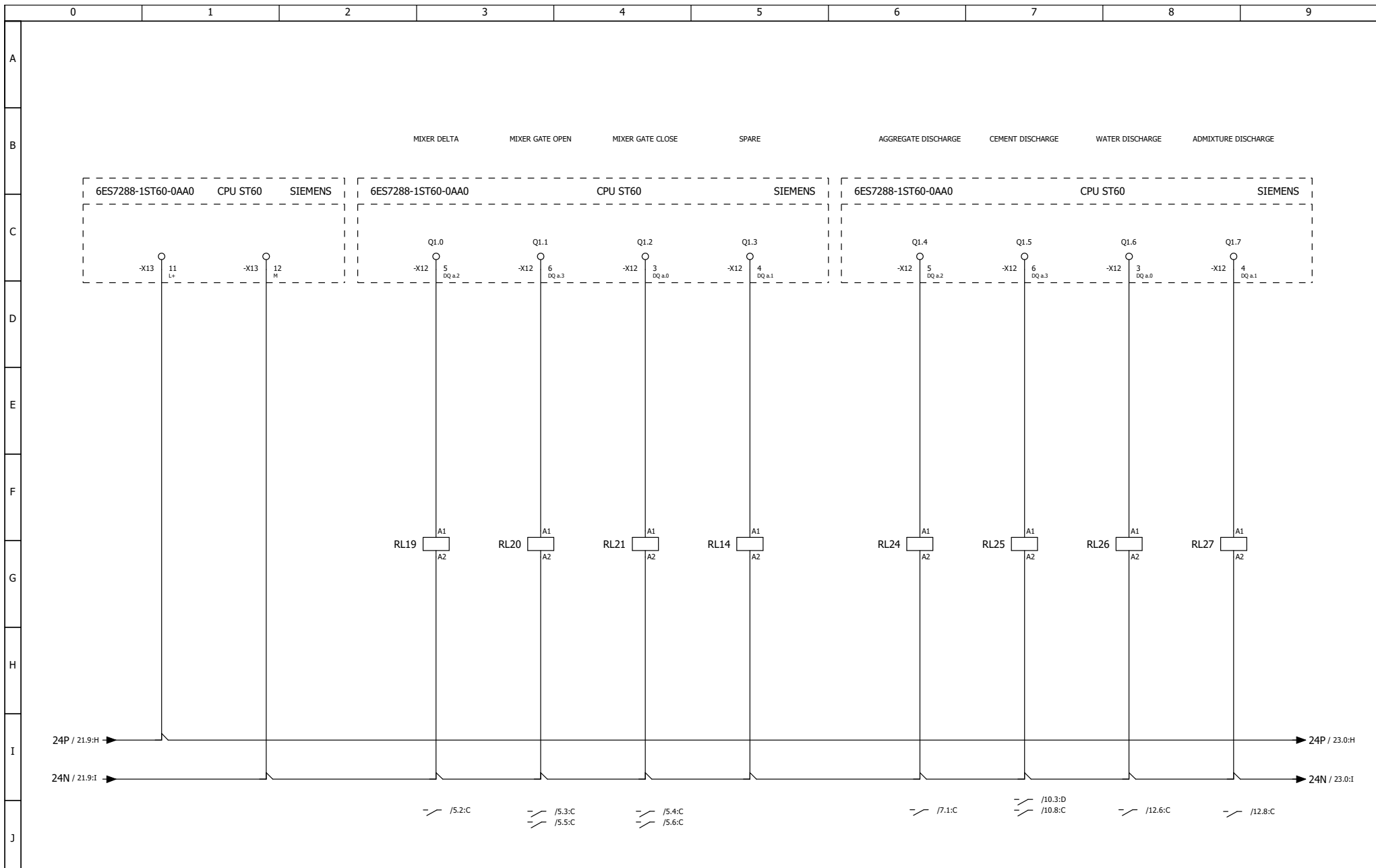
**CLIENT:**  
EPLAN sample project

**VERSION NO:-**  
COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 21/23





**IDS TECHNOLOGIES  
INDIA PVT LTD.  
BELGAUM 590008**

**TITLE:-** PLC OUTPUT Q1.0 - Q1.7

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

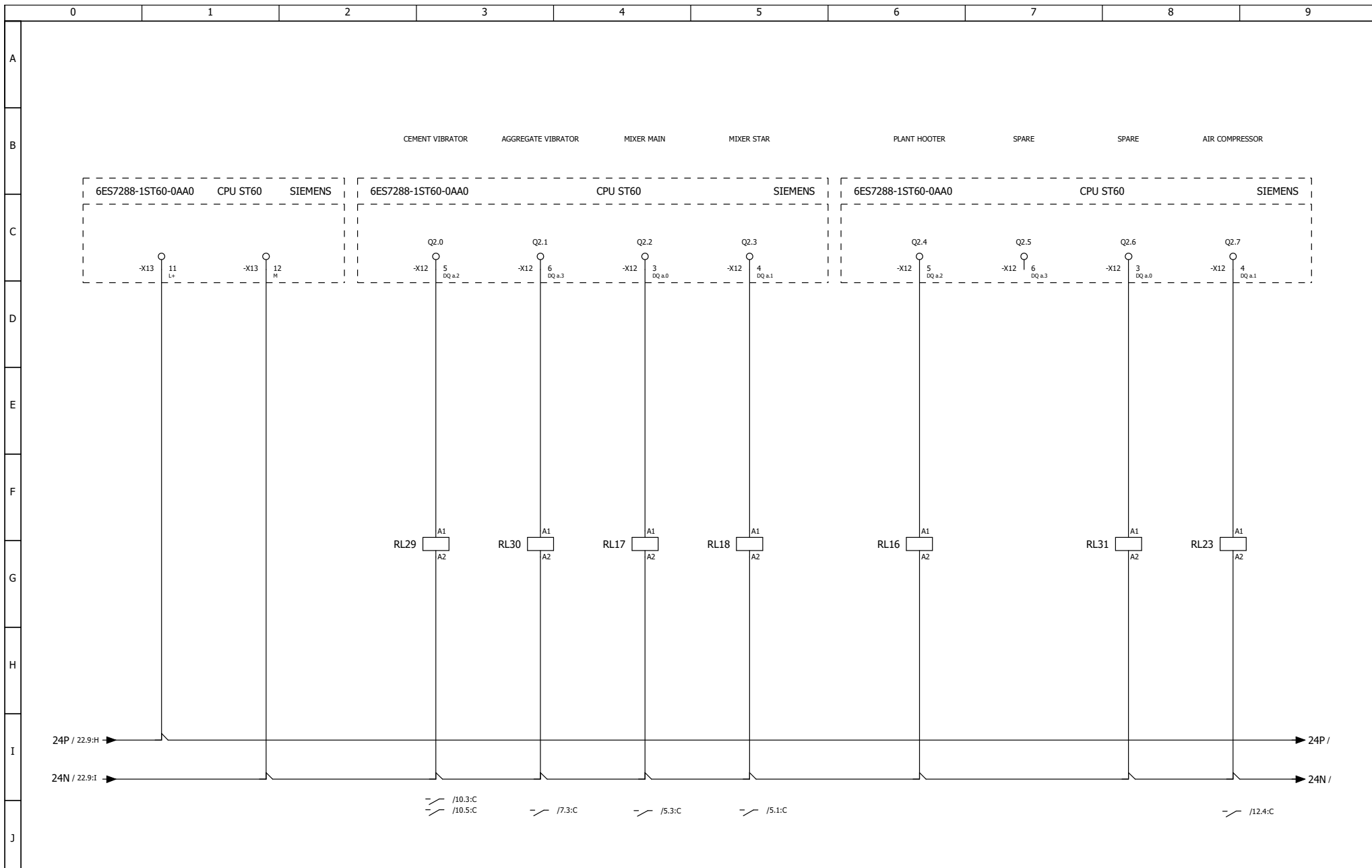
**DATE**  
2/27/2020

**CLIENT:**  
EPLAN sample project

**VERSION NO:-**  
COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 22/23



**IDS TECHNOLOGIES  
INDIA PVT LTD.  
BELGAUM 590008**

**TITLE:-** PLC OUTPUT Q2.0 - Q2.7

**DRAWN BY:-**

**CHECKED BY:-**

**APPROVED BY:-**

**DATE**  
2/27/2020

**CLIENT:**  
EPLAN sample project

**VERSION NO:-**  
COMMENTS

**PLANT MODEL:-**

**SHEET NO:** 23/23

FERRULE No		TERMINAL No..		PLANT MOTORS		FERRULE No		TERMINAL No..		PLANT MOTORS	
A	1R2 →	1T1	→	}	MIXER MAIN	9R2 →	T9	→	}	CEMENT SCREW-2	
	1Y2 →					9Y2 →					
	1B2 →					9B2 →					
B	1R3 →	1T2	→	}	MIXER DELTA	11R2 →	T11	→	}	CEMENT VIBRATOR	
	1Y3 →					11Y2 →					
	1B3 →					11B2 →					
C	3R2 →	T3	→	}	WEIGHING CONVEYOR	12R2 →	T12	→	}	WATER PUMP-1	
	3Y2 →					12Y2 →					
	3B2 →					12B2 →					
D	4R2 →	T4	→	}	BIN 2 VIBRATOR	14R2 →	T14	→	}	ADMIXTURE-1 FILLING	
	4Y2 →					14Y2 →					
	4B2 →					14B2 →					
E	6R2 →	T6	→	}	WEIGHING VIBRATOR	17R2 →	T17	→	}	HYDRAULIC PUMP	
	6Y2 →					17Y2 →					
	6B2 →					17B2 →					
F	8R2 →	T8	→	}	CEMENT SCREW-1	19R2 →	T19	→	}	AIR COMPRESSOR	
	8Y2 →					19Y2 →					
	8B2 →					19B2 →					
EARTH TERMINALS FOR EACH MOTORS											
IDS Technologies India Pvt. Ltd. Belgaum-590008		TITLE : DETAILS OF AC MOTOR TERMINALS		DRAWN BY:		SIGNATURE:		DATE: 27/02/2020		VERSION NO: 1.0 COMMENTS:	
				CHECKEDBY:						SHEET: 1 / 3	
				TESTED BY:							

FERRULE NO		TERMINAL No..		PLANT DETAILS		FERRULE NO		TERMINAL No..		PLANT DETAILS	
<div><div><div>PLC &amp; PC UPS</div><div><div>R4A→</div><div>B1</div><div>→</div><div>]</div><div>TO PLC UPS</div></div><div><div>N4A→</div><div>B2</div><div>→</div><div>]</div><div>FROM PLC UPS</div></div><div><div>N4→</div><div>B3</div><div>→</div><div>]</div><div></div></div><div><div>R4→</div><div>B4</div><div>→</div><div>]</div><div></div></div></div></div>											
<div><div><div>Plant Safety</div><div><div>HO→</div><div>C1</div><div>→</div><div>]</div><div>PLANT HOOTER</div></div><div><div>CN→</div><div>C2</div><div>→</div><div>]</div><div>230V AC</div></div><div><div>CC2→</div><div>C3</div><div>→</div><div>]</div><div>PLANT SAFETY S/W</div></div><div><div>CC3→</div><div>C4</div><div>→</div><div>]</div><div></div></div><div><div>1CMR1→</div><div>C5</div><div>→</div><div>]</div><div>COMPRESSOR</div></div><div><div>1CMR2→</div><div>C6</div><div>→</div><div>]</div><div>PRESSURE S/W</div></div></div></div>											
<div><div><div>All Solenoid Valves</div><div><div>9V→</div><div>E1</div><div>→</div><div>]</div><div>CEMENT DISCH. SOL. VALVE</div></div><div><div>CVN→</div><div>E2</div><div>→</div><div>]</div><div></div></div><div><div>10V→</div><div>E3</div><div>→</div><div>]</div><div>WATER FILLING SOLE. VALVE</div></div><div><div>CVN→</div><div>E4</div><div>→</div><div>]</div><div></div></div><div><div>11V→</div><div>E5</div><div>→</div><div>]</div><div>WATER DISCHA. SOLE. VALVE</div></div><div><div>CVN→</div><div>E6</div><div>→</div><div>]</div><div></div></div><div><div>ADTF1→</div><div>E7</div><div>→</div><div>]</div><div>ADMIXTURE-1 FILLING VALVE</div></div><div><div>CVN→</div><div>E8</div><div>→</div><div>]</div><div></div></div><div><div>12V→</div><div>E9</div><div>→</div><div>]</div><div>ADMIXTURE DISCHARGE VALVE</div></div><div><div>CVN→</div><div>E10</div><div>→</div><div>]</div><div></div></div><div><div>MOV→</div><div>E11</div><div>→</div><div>]</div><div>MIXER GT.OPEN SOLE.VALVE</div></div><div><div>MCV→</div><div>E12</div><div>→</div><div>]</div><div>MIXER GT.CLOSE SOLE.VALVE</div></div><div><div>CVN→</div><div>E13</div><div>→</div><div>]</div><div>0V DC FOR PLANT VALVE</div></div><div><div>CA1→</div><div>E14</div><div>→</div><div>]</div><div>AERATION-1 VALVE</div></div><div><div>CVN→</div><div>E15</div><div>→</div><div>]</div><div>0V DC FOR PLANT VALVE</div></div><div><div>CA2→</div><div>E16</div><div>→</div><div>]</div><div>AERATION-2 VALVE</div></div><div><div>CVN→</div><div>E17</div><div>→</div><div>]</div><div>0V DC FOR PLANT VALVE</div></div></div></div>											
<div><div><div>Bin Solenoid Valves</div><div><div>→</div><div>D1</div><div>→</div><div>]</div><div>0V DC FOR PLANT VALVES</div></div><div><div>CVN→</div><div>D2</div><div>→</div><div>]</div><div>0V DC FOR PLANT VALVES</div></div><div><div>CVN→</div><div>D3</div><div>→</div><div>]</div><div>BIN 1 SOLENOID VALVE SLOW</div></div><div><div>1V→</div><div>D4</div><div>→</div><div>]</div><div>BIN 2 SOLENOID VALVE SLOW</div></div><div><div>2V→</div><div>D5</div><div>→</div><div>]</div><div>BIN 3 SOLENOID VALVE SLOW</div></div><div><div>3V→</div><div>D6</div><div>→</div><div>]</div><div>BIN 4 SOLENOID VALVE SLOW</div></div><div><div>4V→</div><div>D7</div><div>→</div><div>]</div><div></div></div></div></div>											
<div><div><div>IDS Technologies</div><div>India Pvt. Ltd.</div><div>Belgaum-590008</div></div><div><div>TITLE :</div><div>DETAILS OF CONTROL TERMINAL</div></div><div><div><div>DRAWN BY:</div><div>CHECKEDBY:</div><div>TESTED BY:</div></div><div><div>SIGNATURE:</div><div></div><div></div></div><div><div>DATE:</div><div>27/02/2020</div></div><div><div>VERSION NO. 1.0</div><div>COMMENTS:</div></div><div>SHEET: 2/3</div></div></div>											

1		2		3		4		5		6		7		8	
FERRULE NO		TERMINAL No..		PLANT DETAILS				FERRULE NO		TERMINAL No..		PLANT DETAILS			
Plant Sensors/ Limit S/Ws															
24P	→	F1	→	24V DC FOR PLANT LIMIT S/W'S											
24N	→	F2	→	0V DC FOR PLANT											
12.5	→	F3	→	MIXER SAFETY / HATCH S/W'S											
9L	→	F4	→	MIXER GATE OPEN L/S											
11L	→	F5	→	MIXER GATE CLOSE L/S											
24P	→	F6	→	24V DC FOR PLANT LIMIT S/W'S											
11.4	→	F7	→	CEMENT GATE CLOSE L/S											
24P	→	F8	→	24V DC FOR PLANT LIMIT S/W'S											
11.5	→	F9	→	WATER GATE CLOSE L/S											
24P	→	F10	→	24V DC FOR PLANT LIMIT S/W'S											
24N	→	F11	→	0V DC FOR PLANT											
12.6	→	F12	→	SKIP/BELT SAFETY S/W'S											
12.7	→	F13	→	SILO SAFETY / HATCH S/W'S											
24P	→	F14	→	24V DC FOR PLANT LIMIT S/W'S											
13.1	→	F15	→	AIR PRESSURE S/W											
Aggregate Load Cell															
AGGA+	→	I 1	→	AGGREGATE LOAD CELL SUPPLY (+)											
AGGA-	→	I 2	→	AGGREGATE LOAD CELL SUPPLY (-)											
AGGS+	→	I 3	→	AGGREGATE LOAD CELL SIGNAL (+)											
AGGS-	→	I 4	→	AGGREGATE LOAD CELL SIGNAL (-)											
Cement Load Cell															
CMTA+	→	J1	→	CEMENT LOAD CELL SUPPLY (+)											
CMTA-	→	J2	→	CEMENT LOAD CELL SUPPLY (-)											
CMTS+	→	J3	→	CEMENT LOAD CELL SIGNAL (+)											
CMTS-	→	J4	→	CEMENT LOAD CELL SIGNAL (-)											
	→	E	→	SHIELD											
Water Load Cell															
WTRA+	→	K1	→	WATER LOAD CELL SUPPLY (+)											
WTRA-	→	K2	→	WATER LOAD CELL SUPPLY (-)											
WTRS+	→	K3	→	WATER LOAD CELL SIGNAL (+)											
WTRS-	→	K4	→	WATER LOAD CELL SIGNAL (-)											
	→	E	→	SHIELD											
Admixture-1 Load Cell															
ADTA+	→	L1	→	ADDITIVE LOAD CELL SUPPLY (+)											
ADTA-	→	L2	→	ADDITIVE LOAD CELL SUPPLY (-)											
ADTS+	→	L3	→	ADDITIVE LOAD CELL SIGNAL (+)											
ADTS-	→	L4	→	ADDITIVE LOAD CELL SIGNAL (-)											
	→	E	→	SHIELD											
DETAILS OF CONTROL TERMINAL															
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TESTED BY:												SHEET: 3/3			