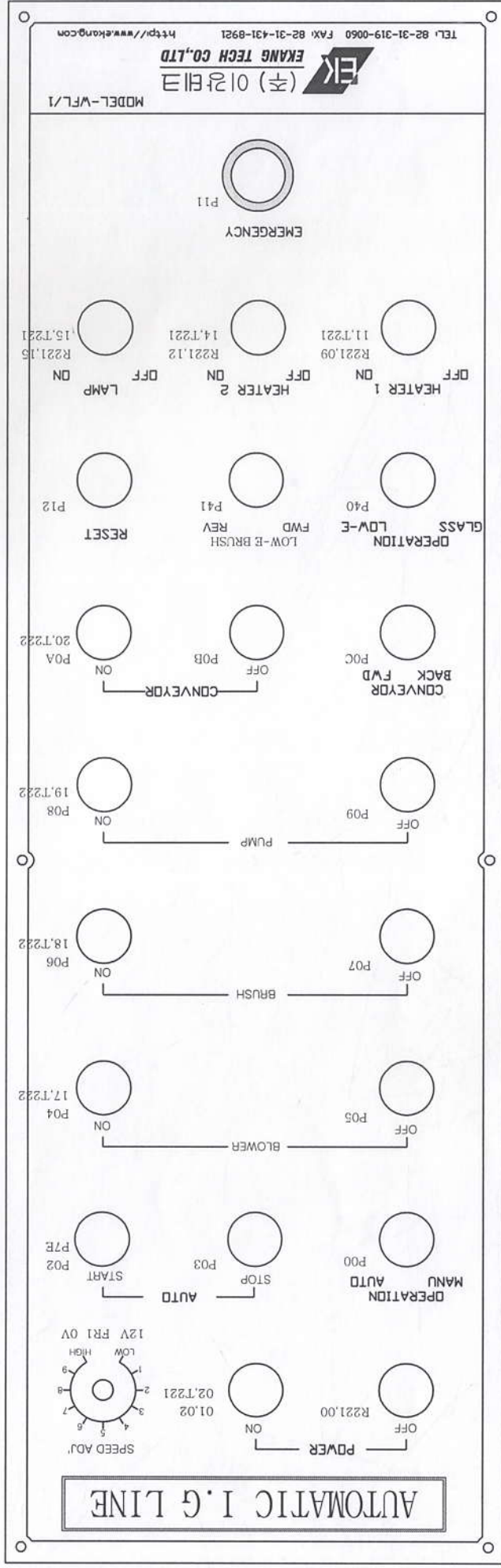


ELECTRIC CIRCUIT DIAGRAM

I . G L I N E (NORMAL TYPE)

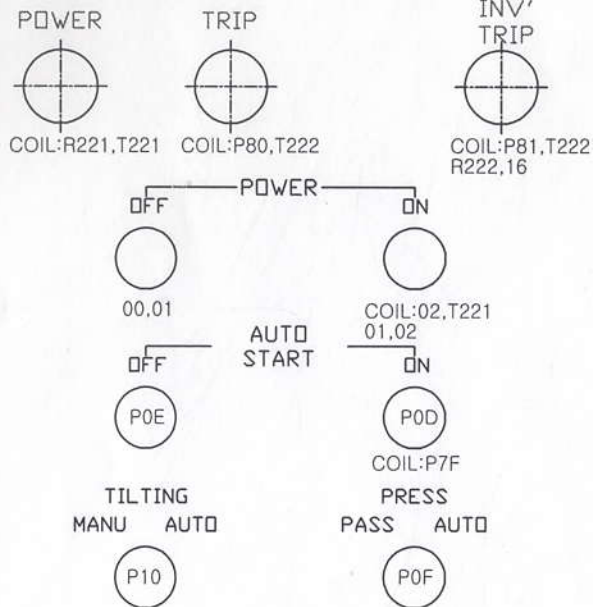
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



	PROJECT NAME : WASHING MACHINE LINE	 (주)이강테크 EKANG TECH CO.,LTD	APPROVED BY :	DRAWN BY :	SHEET NO :
			CHECKED BY :	DATE :	ORDER NO :
	TITLE :		DESIGNED BY :	SCALE : -	DWG NO :
					DWEK-WL-003

AUTOMATIC I.G LINE



EMERGENCY



P18.N24V



(주) 이강테크
EKANG TECH CO.,LTD

MODEL-WFL/1

TEL: 82-31-319-0060 FAX: 82-31-431-8921

<http://www.ekang.com>

PROJECT NAME :

WASHING MACHINE LINE

TITLE :

EK (주) 이강테크
EKANG TECH CO.,LTD

APPROVED BY :

CHECKED BY :

DESIGNED BY :

DRAWN BY :

DATE :

SCALE :

SHEET NO. :

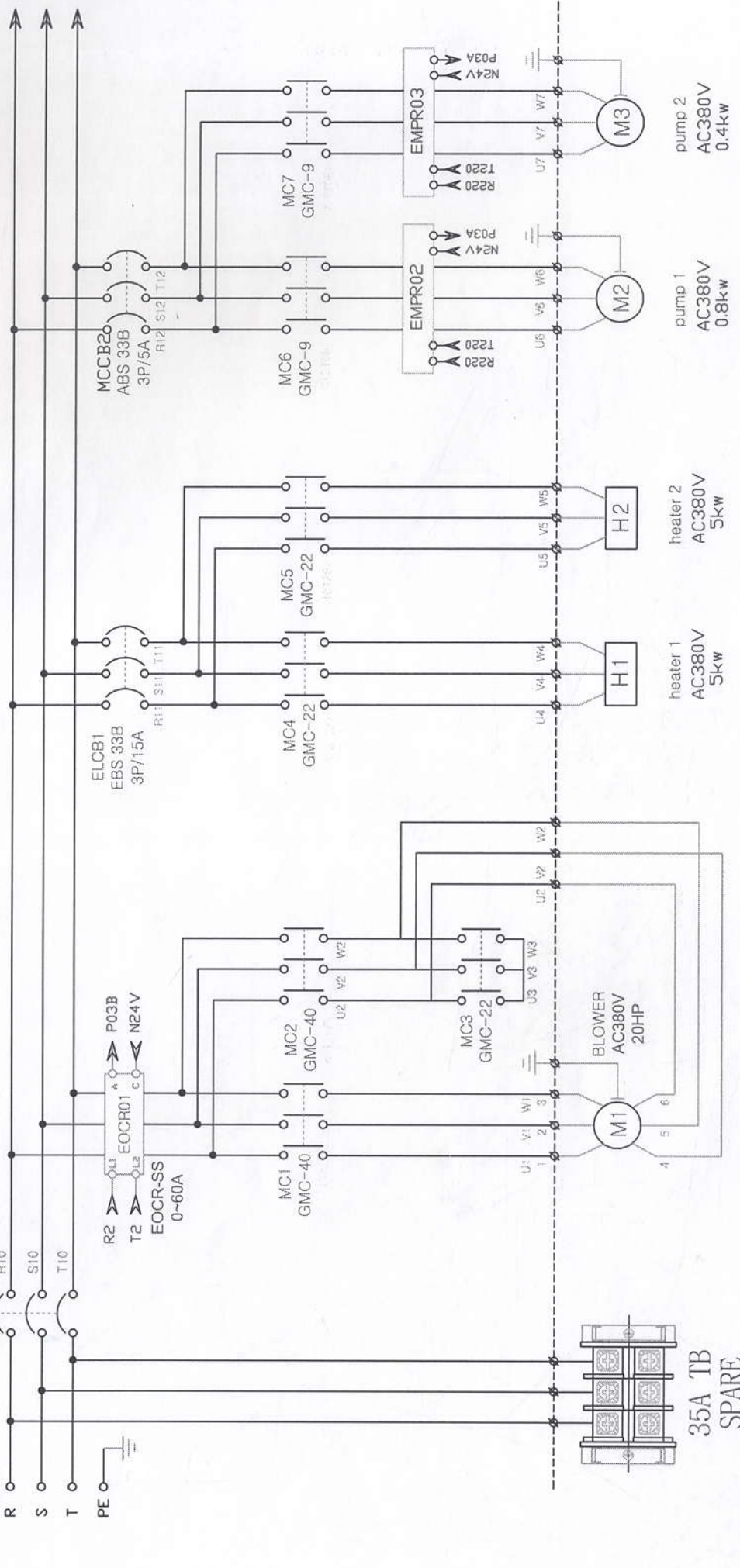
ORDER NO. :

DWG NO. :

DWEK-WL-004

POWER SOURCE 3Ø 3W 380V

AC 380V



WIRE SIZE	KIV8.0sq	KIV5.5sq	KIV5.5sq	KIV1.25sq
COLOR	Black			Black(AC), Blue(DC)
DWG NO	002	002, 010	002, 009	011, 019, 021, 025

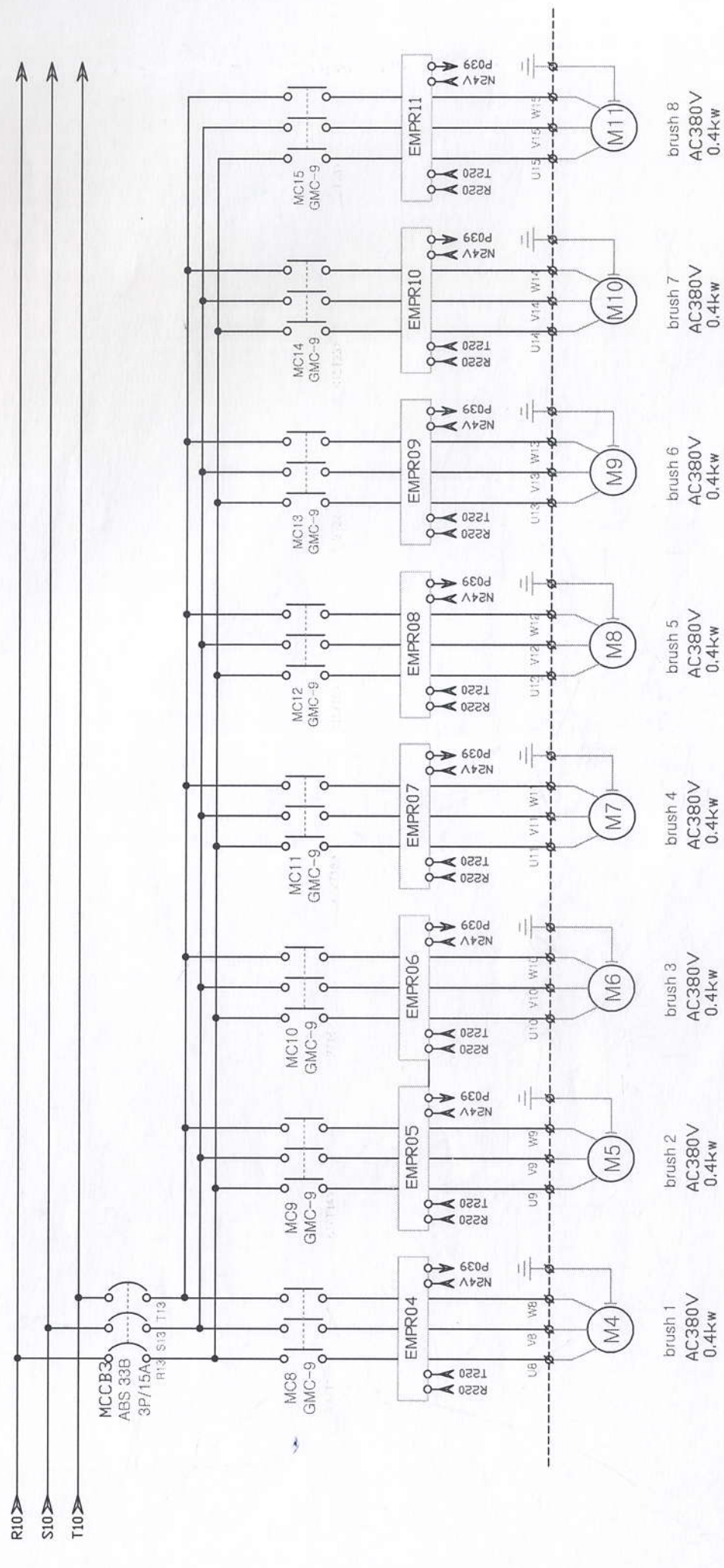
PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	SHEET NO :
	CHECKED BY :	ORDER NO :
	DESIGNED BY :	DWG NO : DWEK-WL-005



TITLE :

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

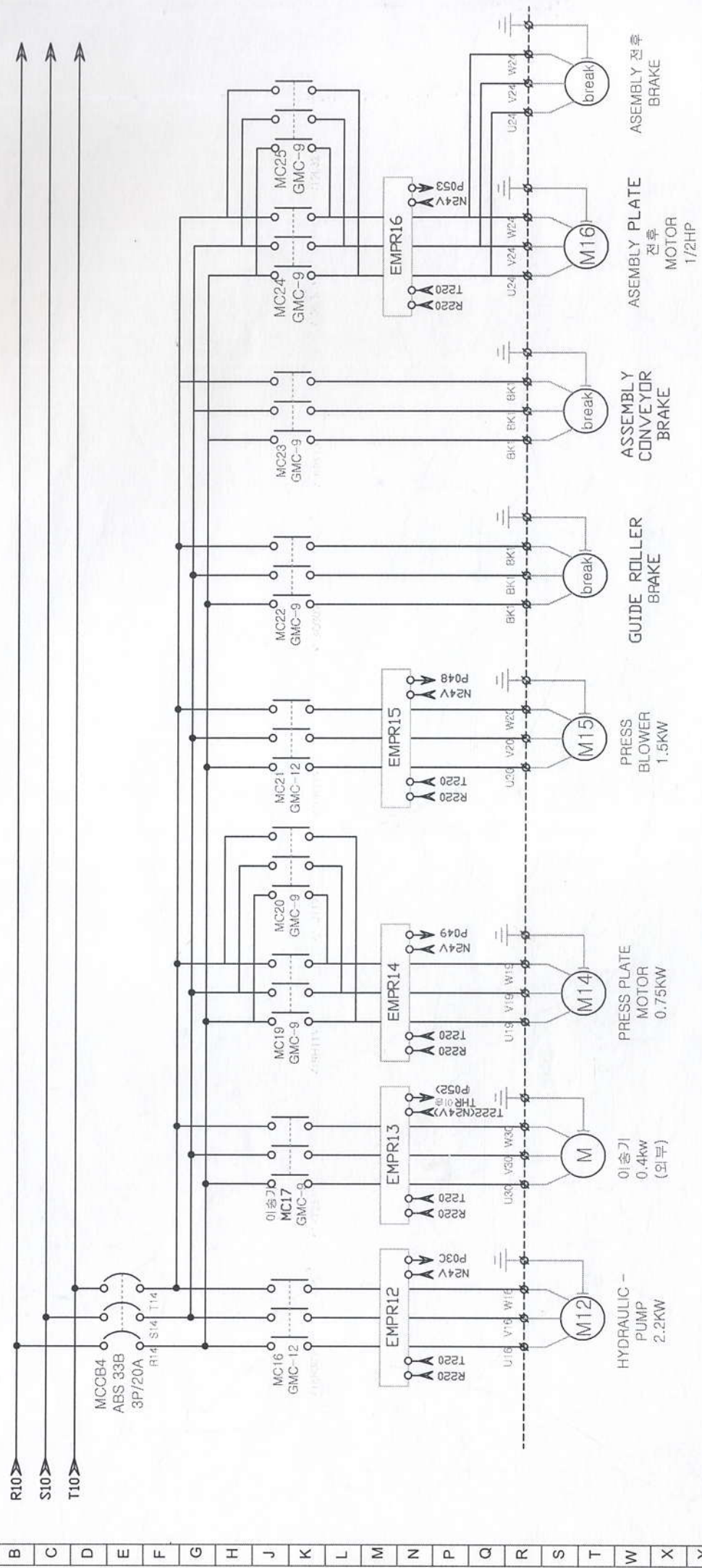
AC380V



WIRE SIZE	KIV3.5sq	KIV1.25sq
COLOR		Block(AC), Blue(DC)
DWG NO	005	010, 011, 019, 021, 025

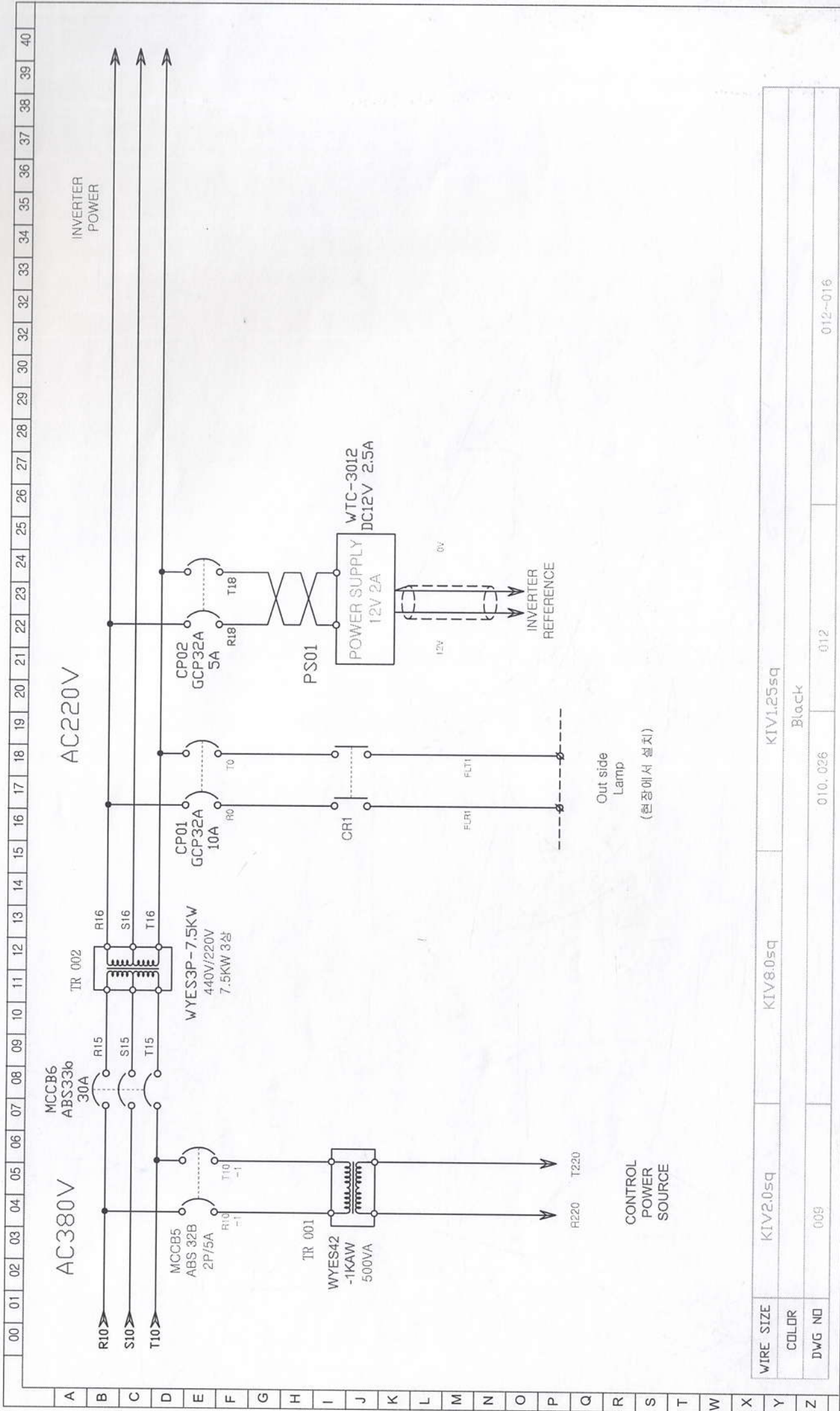
PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	DRAWN BY :	SHEET NO :
	CHECKED BY :	DATE :	ORDER NO :
	DESIGNED BY :	SCALE : -	DWG NO : DWK-WL-006

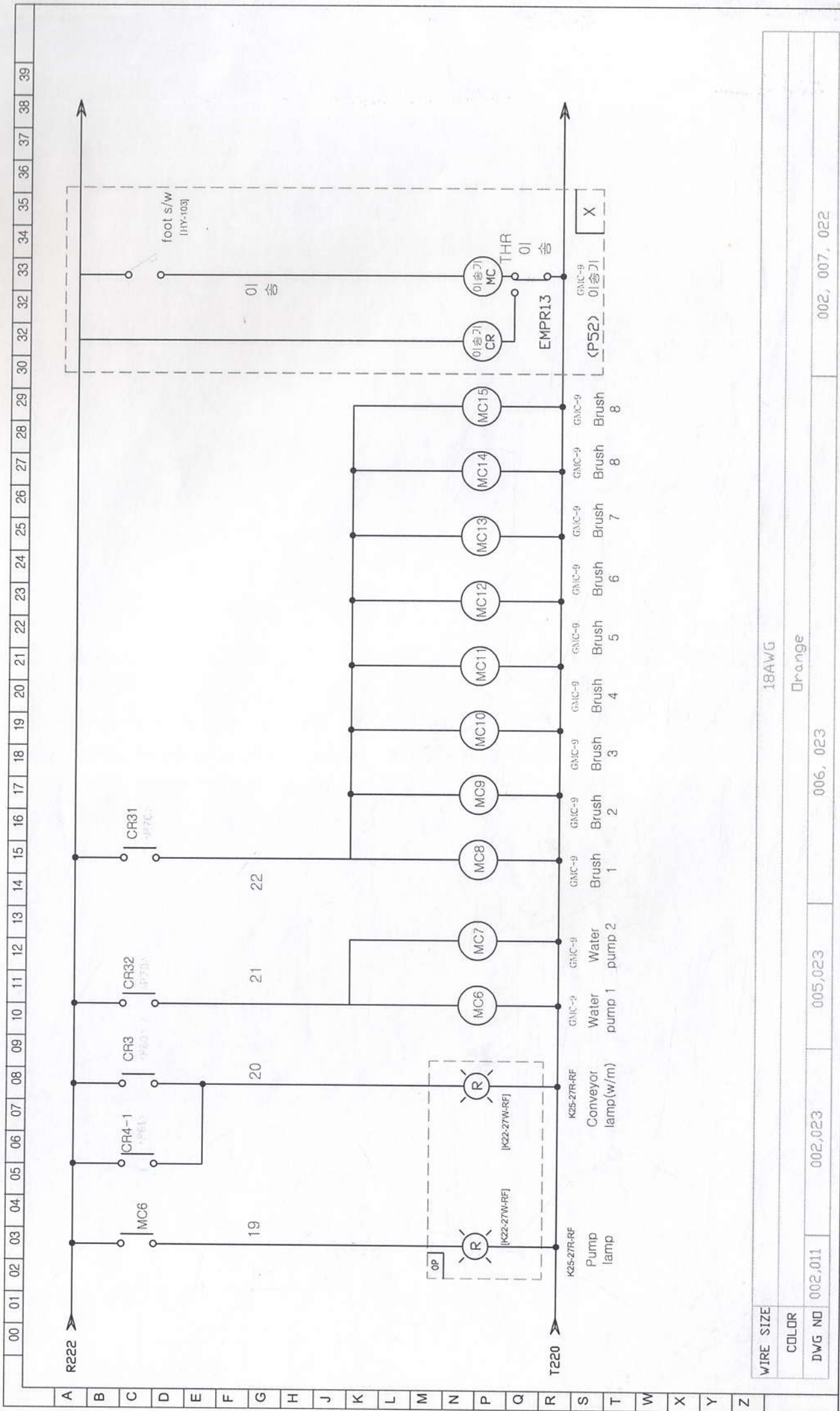
AC380V



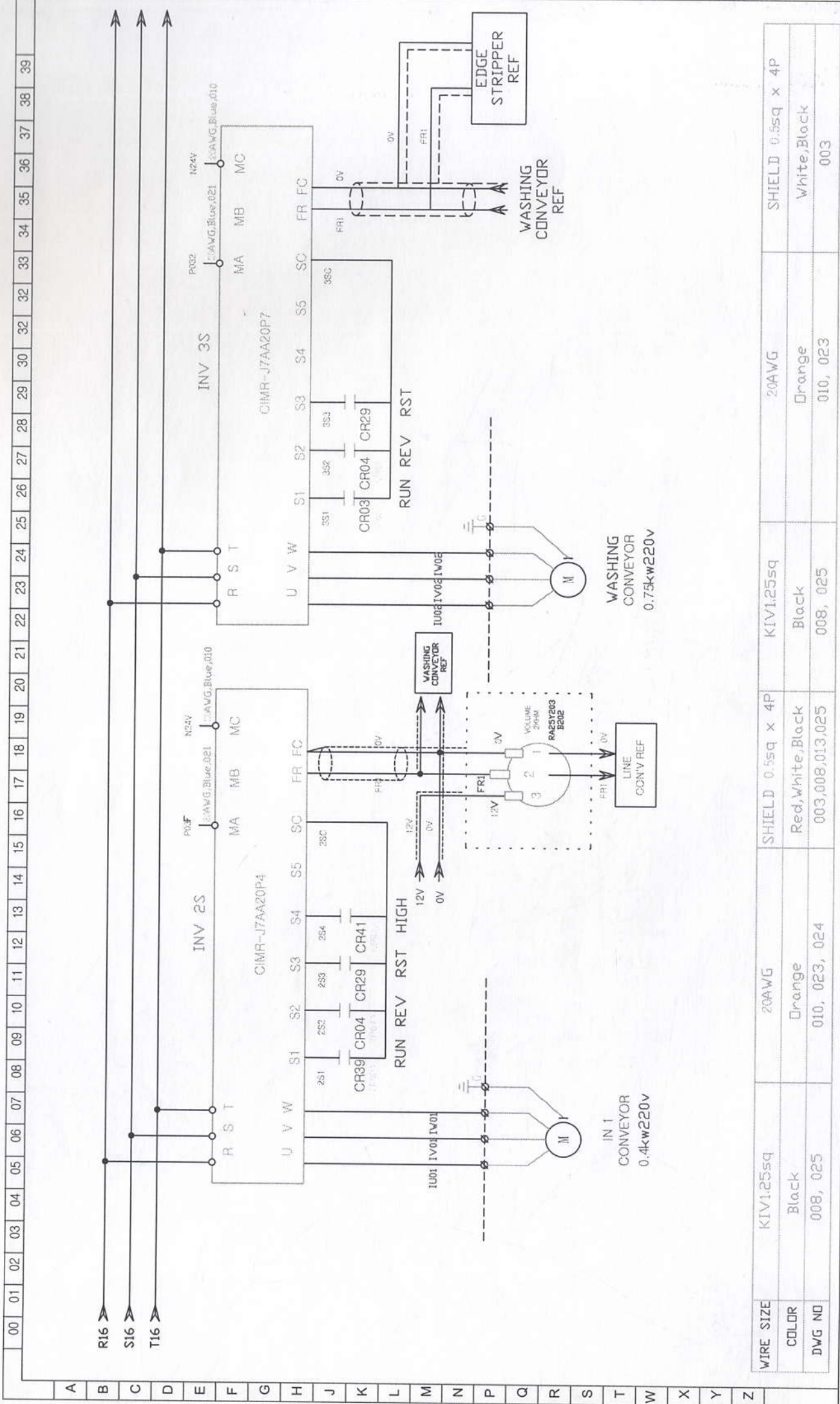
WIRE SIZE	KIV3.5sq	KIV125sq(AC), 18AWG(DC)				
COLOR		Black(AC), Blue(DC)				
DWG NO	005	010,011,019,021,023,025	002,011,021,025	010,011,019,022,024,027	011,023,026	010,011,019,024,026

PROJECT NAME : WASHING MACHINE LINE	(주)이강테크 EKANG TECH CO.,LTD		APPROVED BY :	DRAWN BY :	SHEET NO :
	TITLE :		CHECKED BY :	DATE :	ORDER NO :
			DESIGNED BY :	SCALE :	DWG NO :
			DWEK-WL-007		



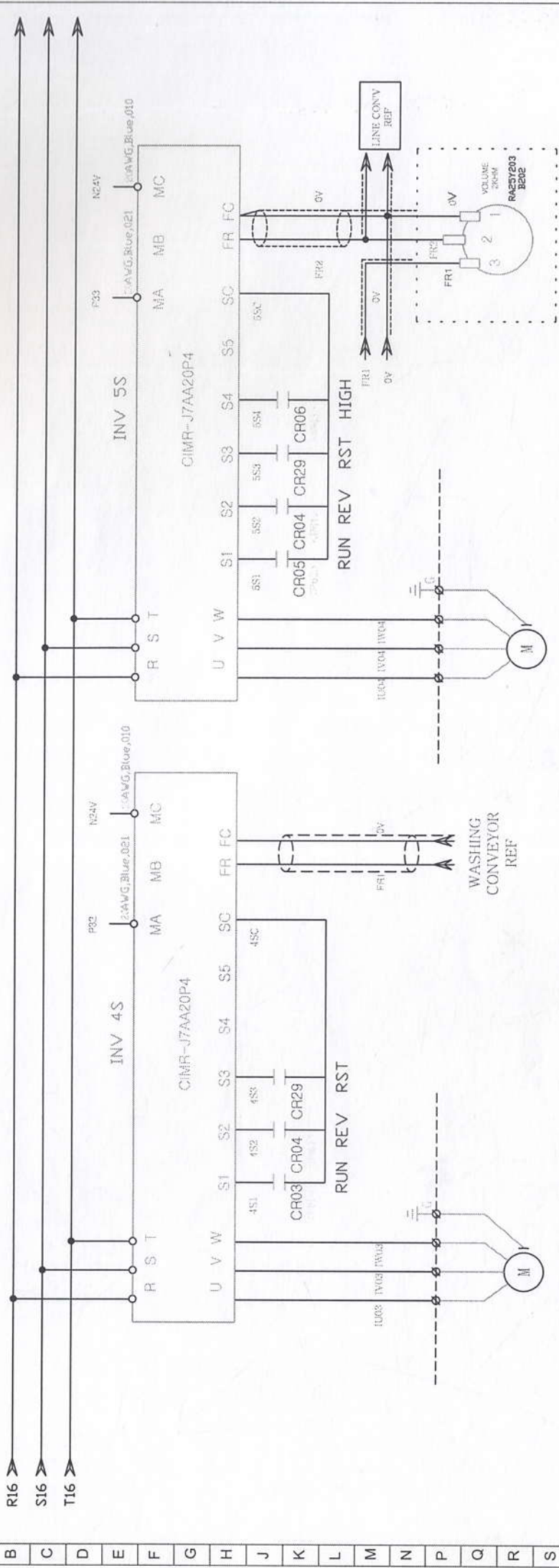


PROJECT NAME: WASHING MACHINE LINE		APPROVED BY: -		DRAWN BY: -		SHEET NO: -	
TITLE: -		CHECKED BY: -		DATE: -		ORDER NO: -	
		DESIGNED BY: -		SCALE: -		DWG NO: DWEK-WL-011	

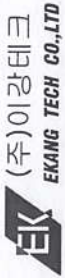


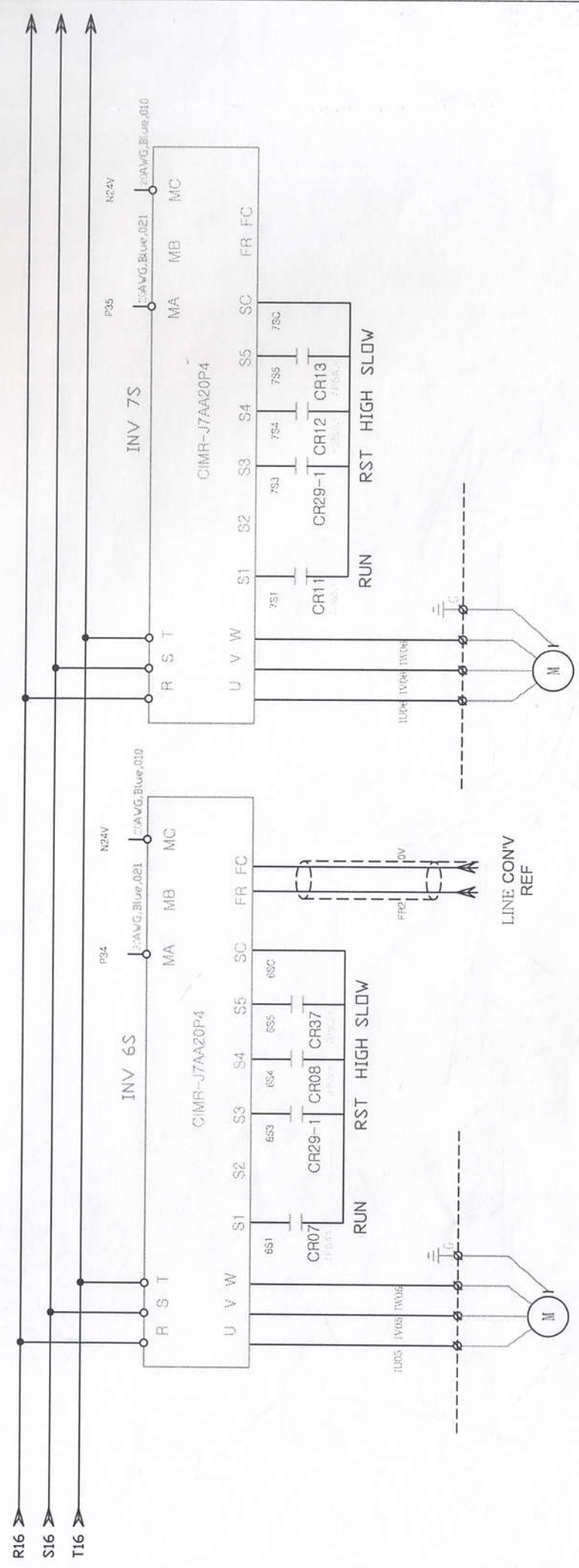
WIRE SIZE	KIV1.25sq	20AWG	KIV1.25sq	20AWG	SHIELD 0.5sq x 4P
COLOR	Black	Orange	Black	Orange	White, Black
DWG NO	008, 025	010, 023, 024	008, 025	010, 023	003

PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	SHEET NO :
	CHECKED BY :	DATE :
	DESIGNED BY :	DWG NO : DWEK-WL-012



WIRE SIZE	KIV1.25sq	20AWG	SHIELD 0.5sq x 4P	20AWG	SHIELD 0.5sq x 4P
COLOR	Black	Orange	White,Black	Orange	White,Black
DWG NO	008,026	010, 023	003, 012	010,023	003, 012, 014
PROJECT NAME : WASHING MACHINE LINE			APPROVED BY :	DRAWN BY :	SHEET NO :
TITLE :			CHECKED BY :	DATE :	ORDER NO :
			DESIGNED BY :	SCALE : -	DWG NO : DWK-WL-013



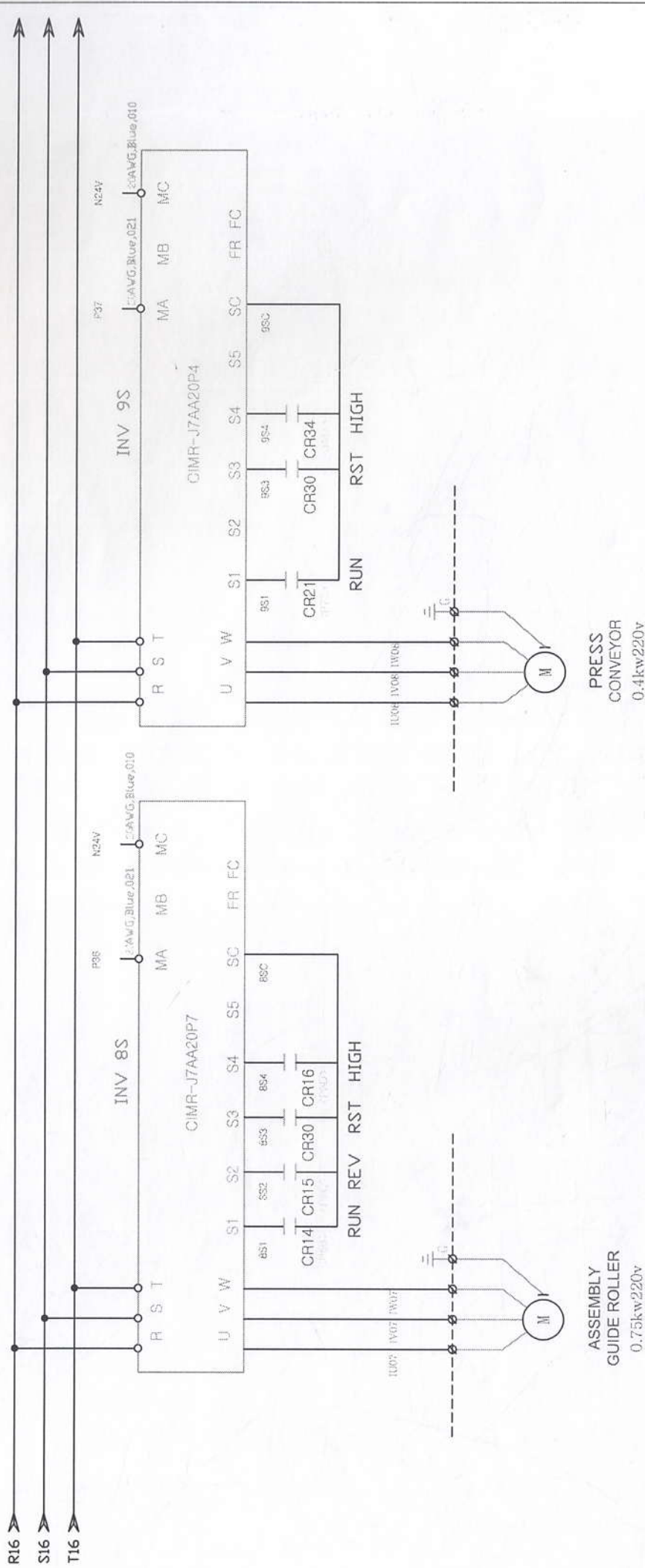


PRE-ASSEMBLY
CONVEYOR
0.4kw/220v

ASSEMBLY
CONVEYOR
0.4kw/220v

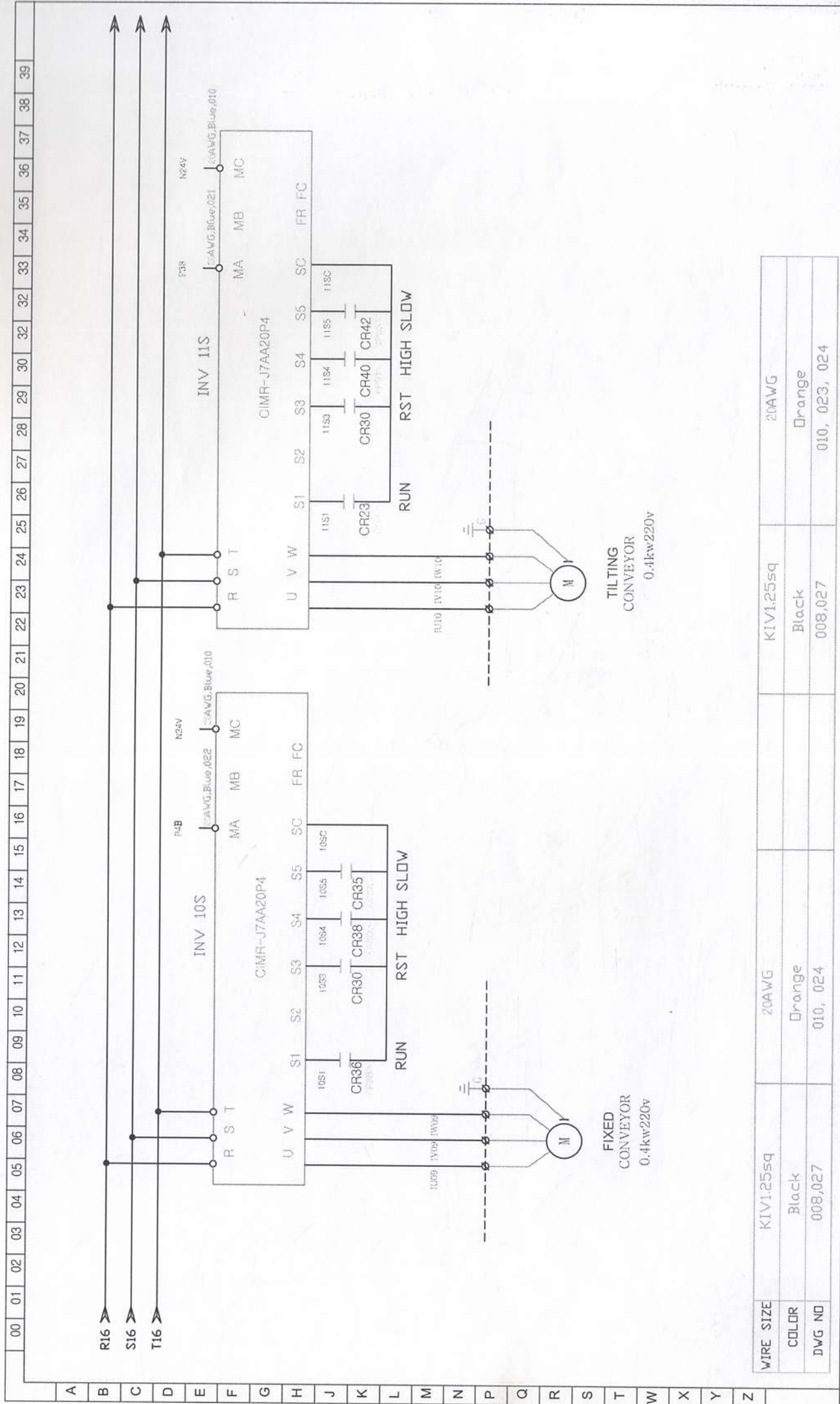
WIRE SIZE	KIV1.25sq	20AWG	SHIELD 0.5sq x 4P	KIV1.25sq	20AWG
COLOR	Black	Orange	White,Black	Black	Orange
DWG NO	008,026	010, 023, 024	018	008,026	010,023

PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	DRAWN BY :	SHEET NO :
	TITLE :	CHECKED BY :	ORDER NO :
		DESIGNED BY :	DWG NO : DWEK-WL-014



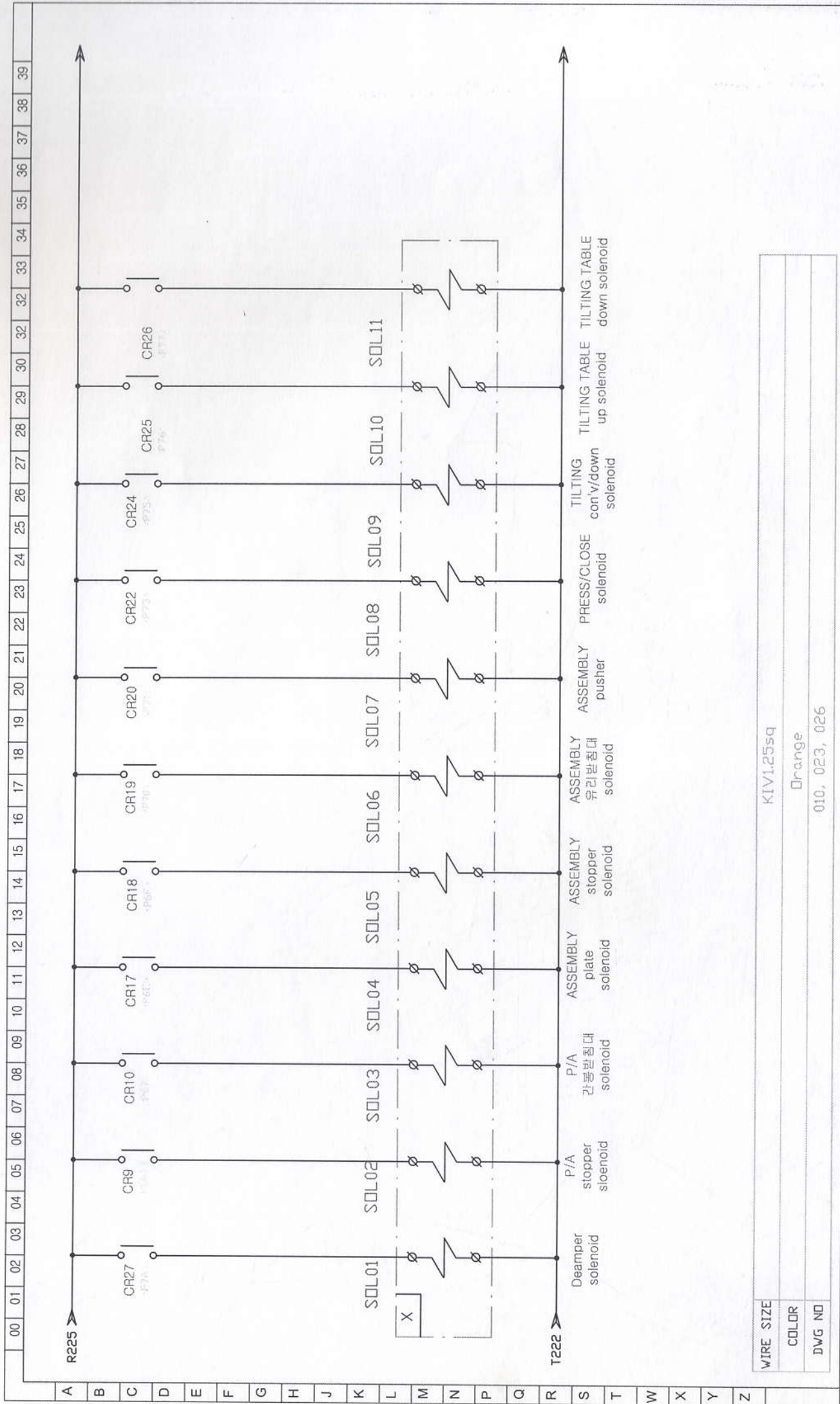
WIRE SIZE	KIV1.25sq	20AWG	KIV1.25sq	20AWG
COLOR	Black	Orange	Black	Orange
DWG NO	008,026	010, 023	008,027	010, 023, 024

PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	DRAWN BY :	SHEET NO :
	TITLE :	CHECKED BY :	ORDER NO :
		DESIGNED BY :	DWG NO : DWK-WL-015



WIRE SIZE	KIV1.25sq	20AWG	KIV1.25sq	20AWG
COLOR	Black	Orange	Black	Orange
DWG NO	008,027	010, 024	008,027	010, 023, 024

PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	DRAWN BY :	SHEET NO. :
	TITLE :	CHECKED BY :	ORDER NO. :
		DESIGNED BY :	DWG NO. : DWEK-WL-016



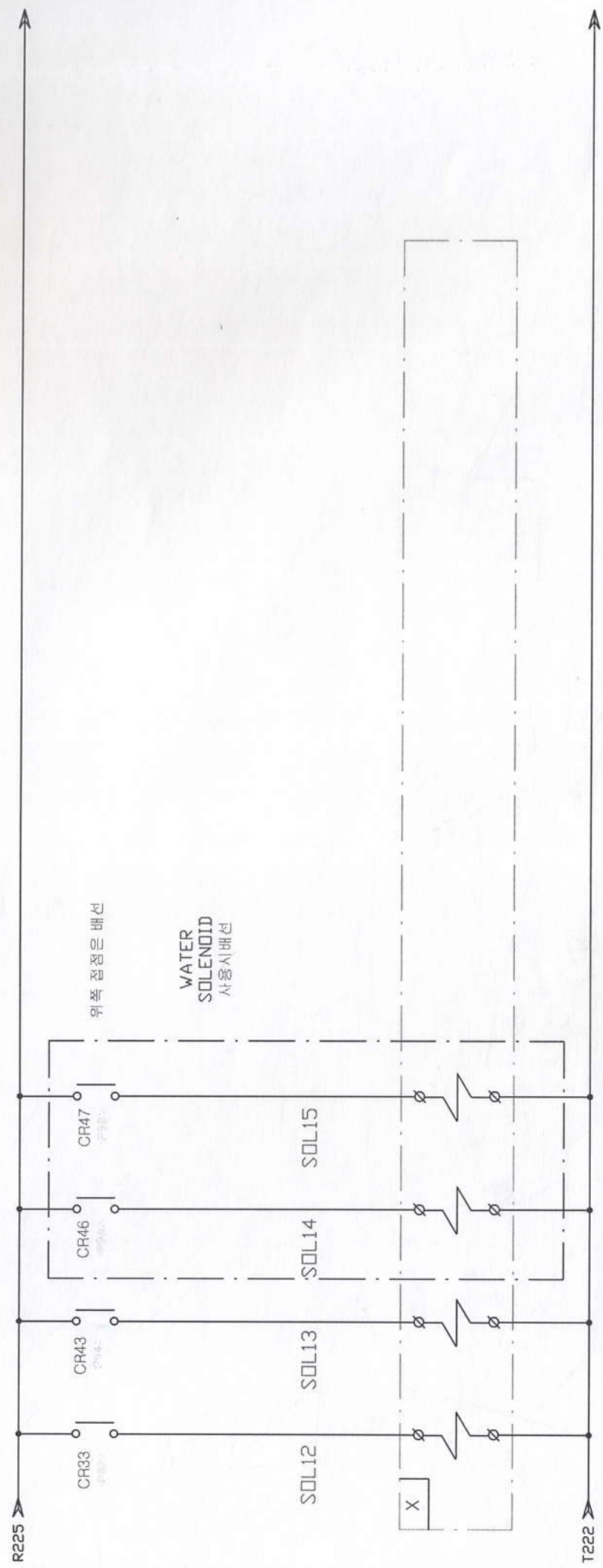
KIV1.25sq

Orange

010, 023, 026

WIRE SIZE	KIV1.25sq
COLOR	Orange
DWG NO	010, 023, 026

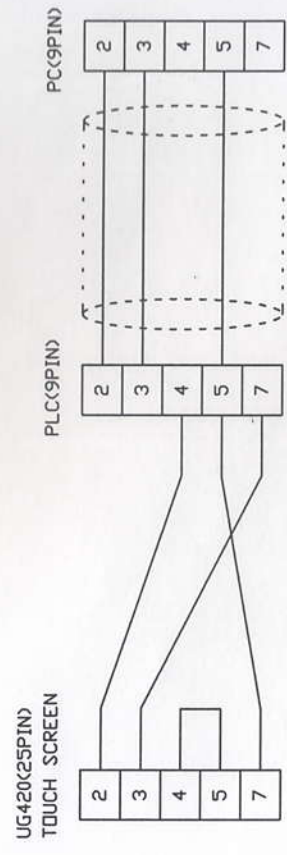
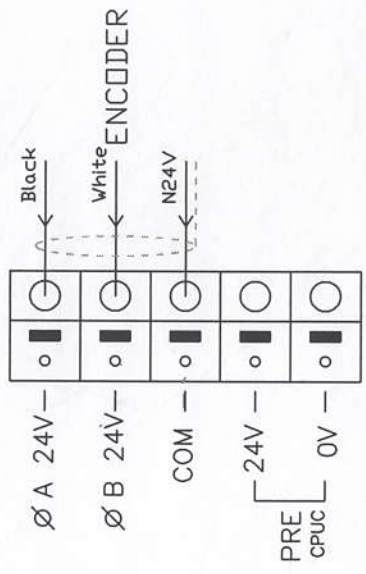
PROJECT NAME : TITILE :	WASHING MACHINE LINE			 (주)이강테크 EKANG TECH CO.,LTD	APPROVED BY :	DRAWN BY :	SHEET NO :
					CHECKED BY :	DATE :	ORDER NO :
					DESIGNED BY :	SCALE :	DWG NO : DWEX-WL-017



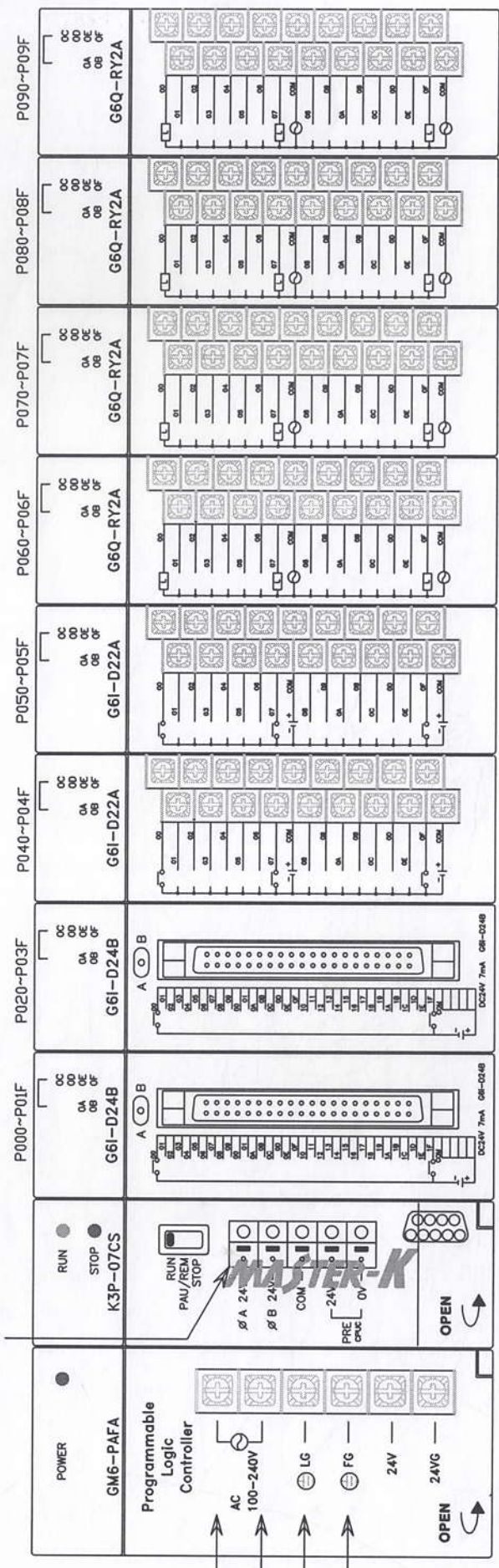
WIRE SIZE	KIV1.25sq	
COLOR	Orange	
DWG NO	010, 024, 026, 027	

PROJECT NAME: WASHING MACHINE LINE	APPROVED BY : DATE : DESIGNED BY :		DRAWN BY :	SHEET NO :
	TITLE :			ORDER NO :
				DWG NO : DWEK-WL-018





PLC 배선도

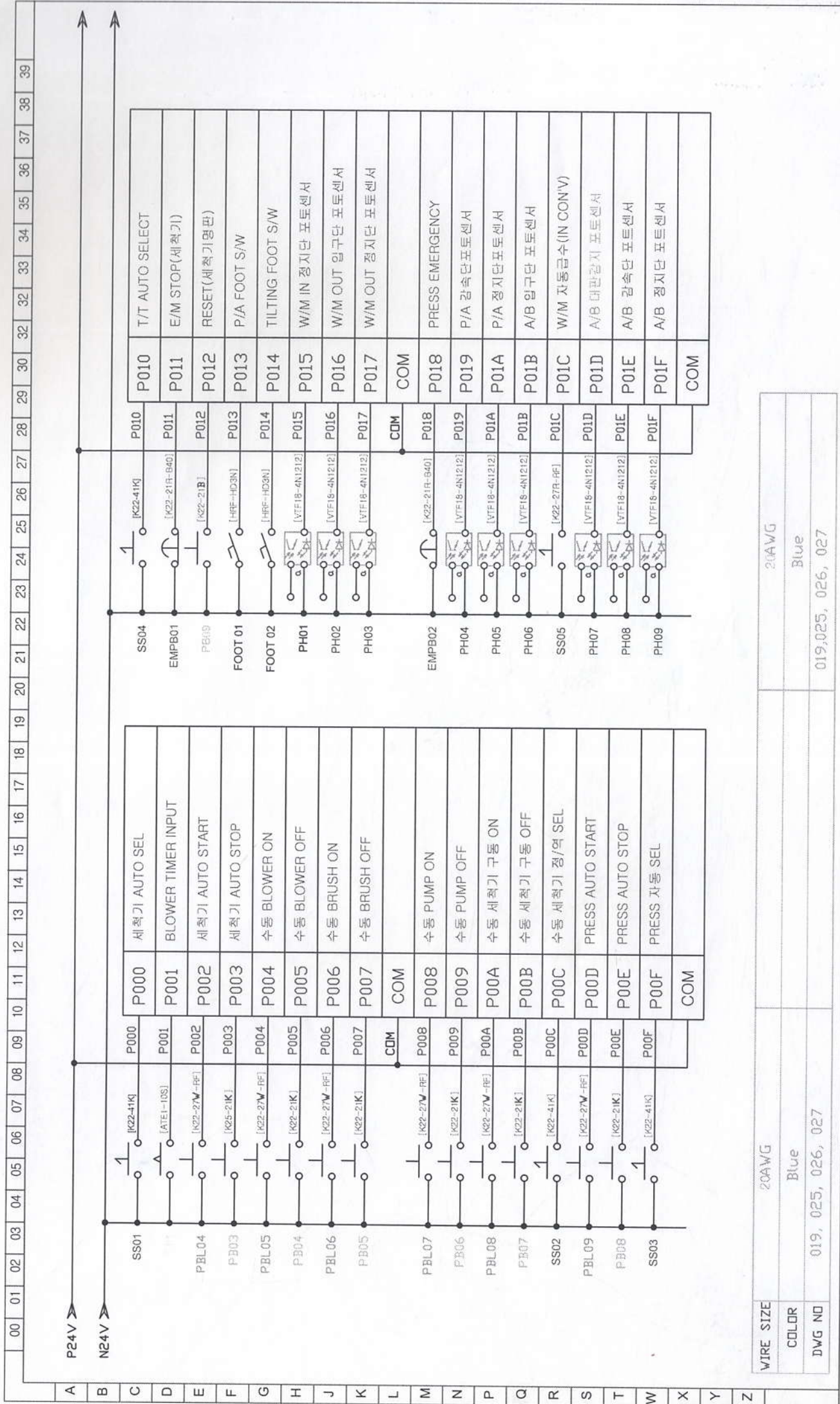


WIRE SIZE	KIV1.25sq	SHIELD 0.5sq x 4P	20AWG	20AWG	18AWG	18AWG
COLOR	Black	White, Black, Green	Blue	Blue	Orange	Orange
DWG NO	009	025	010, 020	010, 021	010, 022	010, 024

PROJECT NAME : WASHING MACHINE LINE	APPROVED BY :	DRAWN BY :	SHEET NO :
	CHECKED BY :	DATE :	ORDER NO :
	DESIGNED BY :	SCALE :	DWG NO :


(주)이강테크
EKANG TECH CO.,LTD

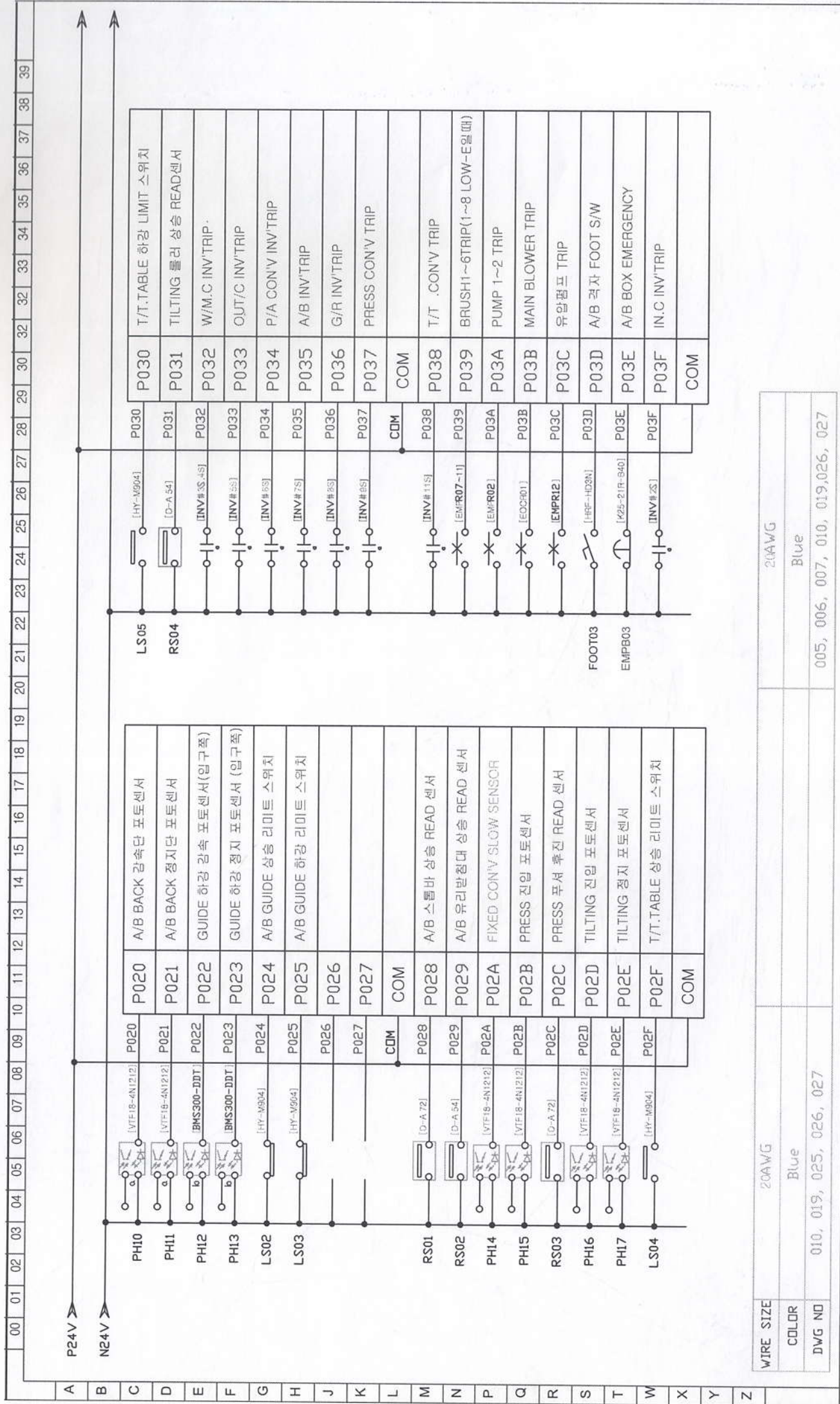
DWEK-WL-019



WIRE SIZE	20AWG	20AWG
COLOR	Blue	Blue
DWG NO	019, 025, 026, 027	019,025, 026, 027

PROJECT NAME :	WASHING MACHINE LINE	APPROVED BY :		DRAWN BY :		SHEET NO :	
TITLE :		CHECKED BY :		DATE :		ORDER NO :	
		DESIGNED BY :		SCALE :	-	DWG NO :	DWEK-WL-020

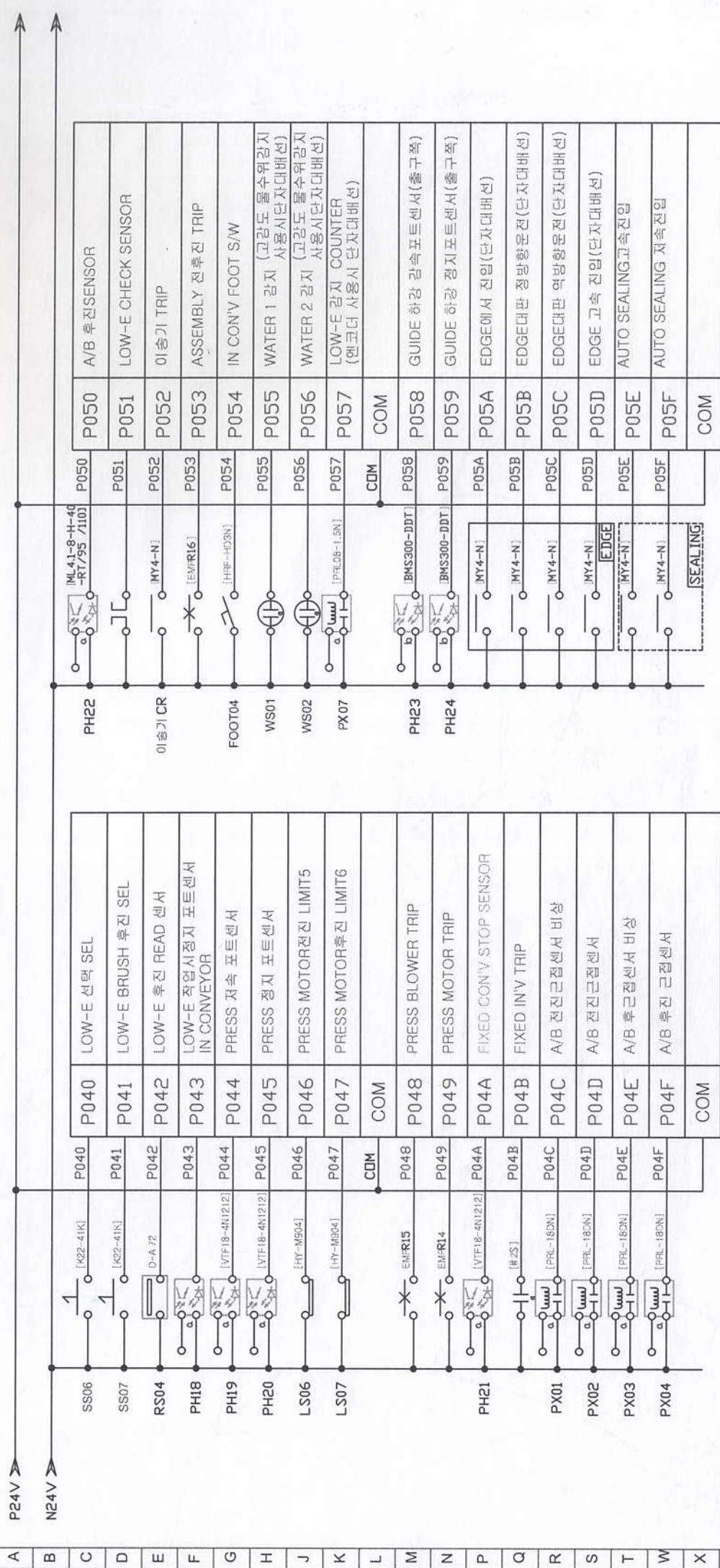




WIRE SIZE	20AWG	20AWG
COLOR	Blue	Blue
DWG NO	010, 019, 025, 026, 027	005, 006, 007, 010, 019, 026, 027

PROJECT NAME : WASHING MACHINE LINE		APPROVED BY :		DRAWN BY :		SHEET NO :	
TITLE :		CHECKED BY :		DATE :		ORDER NO :	
		DESIGNED BY :		SCALE :		DWG NO : DWK-WL-021	

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WIRE SIZE	20AWG	20AWG
COLOR	Blue	Blue
DWG NO	003, 010, 019, 022, 025, 026, 027	002, 010, 019, 025, 026

	PROJECT NAME :	 (주)이강테크 EKANG TECH CO., LTD	APPROVED BY :		SHEET NO :	
	TITLE :		WASHING MACHINE LINE	CHECKED BY :		ORDER NO :
					DESIGNED BY :	SCALE : -

R222 >

T222 >

WASHING MACHINE CONVEYOR RUN	P060	P060	ASSEMBLY SUPPORTER UP	P070	P070	OR19	MY4-N
W/M . OUT CON'V 역회전	P061	P061	ASSEMBLY PUSHER SOL	P071	P071	OR20	MY4-N
OUT CONVEYOR RUN	P062	P062	PRESS CONVEYOR RUN	P072	P072	OR21	MY4-N
OUT CONVEYOR HIGH	P063	P063	PRESS CLOSE SOL	P073	P073	OR22	MY4-N
P/A CONVEYOR RUN	P064	P064	TILTING CONVEYOR RUN	P074	P074	OR23	MY4-N
P/A CONVEYOR HIGH	P065	P065	TILTING CONVEYOR DOWN	P075	P075	OR24	MY4-N
P/A STOPPER UP SOL	P066	P066	TILTING TABLE UP	P076	P076	OR25	MY4-N
P/A GUIDE UP SOL	P067	P067	TILTING TABLE DOWN	P077	P077	OR26	MY4-N
COM	COM	COM	COM	COM	COM		
ASSEMBLY CONVEYOR RUN	P068	P068	TILTING HYDRAULIC PUMP	P078	P078	MC16	GMC-12
ASSEMBLY CONVEYOR HIGH	P069	P069	GUIDE ROLLER BREAK	P079	P079	MC22	GMC-9
ASSEMBLY CONVEYOR SLOW	P06A	P06A	BLOWER DAMPER OPEN	P07A	P07A	OR27	MY4-N
GUIDE ROLLER UP	P06B	P06B	BLOWER RUN	P07B	P07B	OR28	MY4-N
GUIDE ROLLER DOWN	P06C	P06C	BRUSH 1~8 RUN	P07C	P07C	OR29	MY4-N
GUIDE ROLLER HIGH	P06D	P06D	PUMP 1~2 RUN	P07D	P07D	OR30	MY4-N
ASSEMBLY PLATE FORWARD	P06E	P06E	W/M AUTO LAMP	P07E	P07E	OR30	MY4-N
ASSEMBLY STOPPER UP	P06F	P06F	PRESS AUTO LAMP	P07F	P07F	OR31	MY4-N
COM	COM	COM	COM	COM	COM		

WIRE SIZE

COLOR

DWG NO

18AWG

Orange

009, 012~015, 017

18AWG

Orange

003,004,009,011,015~017,025,027

PROJECT NAME :

WASHING MACHINE LINE

EK (주)이강테크
EKANG TECH CO.,LTD

APPROVED BY :

CHECKED BY :

DESIGNED BY :

DRAWN BY :

DATE :

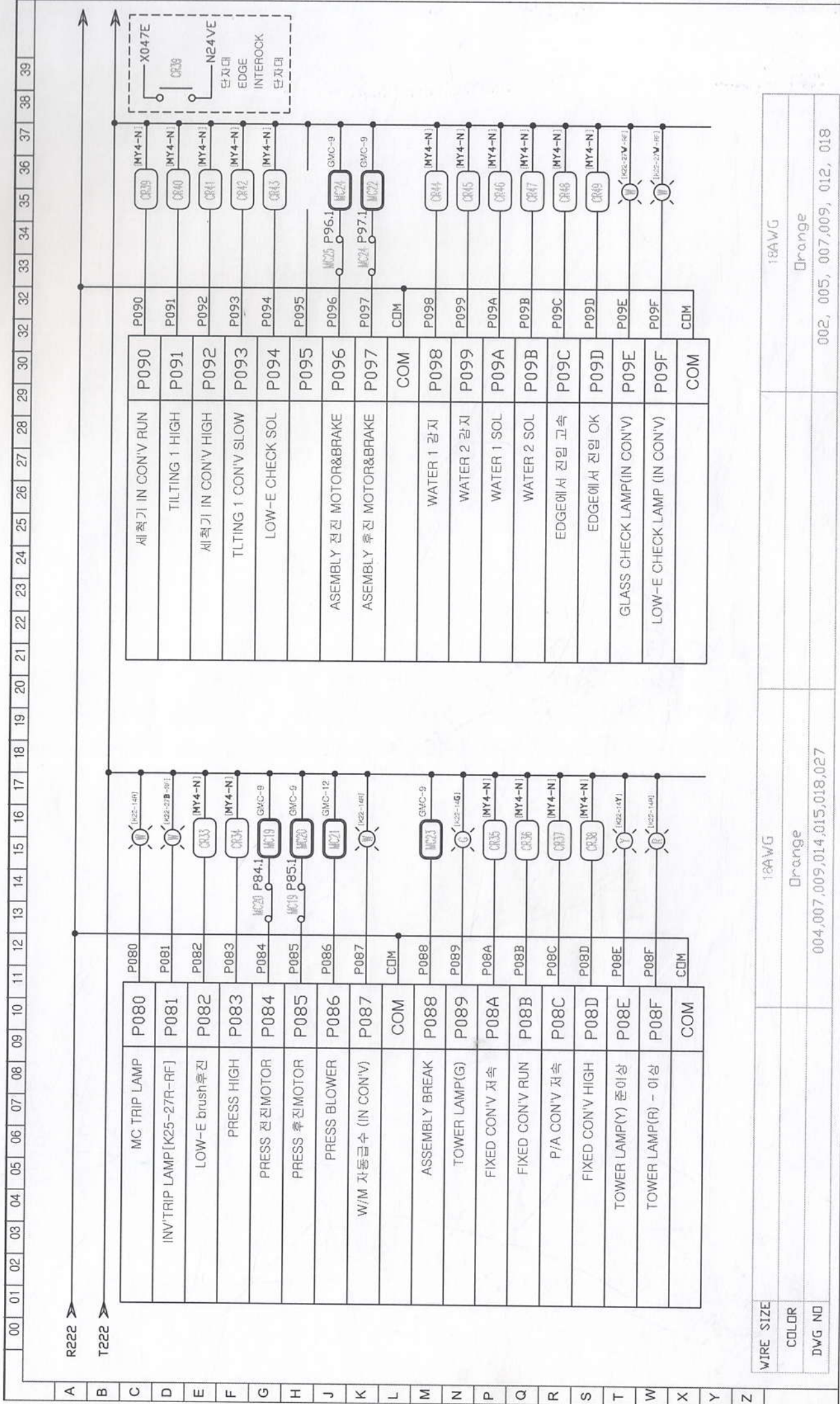
SCALE :

SHEET NO :

ORDER NO :

DWG NO :

DWEK-WL-023



WIRE SIZE		18AWG	
COLOR		Orange	
DWG NO		004,007,009,014,015,018,027	

PROJECT NAME :		WASHING MACHINE LINE	
TITLE :			

APPROVED BY :		DRAWN BY :	
CHECKED BY :		DATE :	
DESIGNED BY :		SCALE :	

(주)이강테크 EKANG TECH CO.,LTD		SHEET NO :	
		ORDER NO :	
		DWG NO :	

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A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	W	X	Y	Z																																		
IN CON'V				IN PUT(1)				OUT PUT(10)				IN PUT(2)				IN PUT(4)				OUT PUT(11)																																			
NO.1-16P 15P				NO.10-32P 30P				NO.2-16P 15P				NO.4-32P 30P				NO.11-32P 30P																																							
0.5SQ 15P				1.25SQ 30P				0.5SQ 15P				W/M OP				W/M OP				2.05SQ 30P																																			
FTBOX 120X200X75																																																							
W/M 자동급수 센서 사용시				FOOT S/W				WATER 1 감지				WATER 2 감지				ENCODER 사용시				물공급 SOL 사용시				고압도 물속의 램지> 사용시																															
1 1 P01C				1 1 U08				1 00				1 P000				1 17				1 U06				1 S0114				1 17				1 17				1 17				1 17				1 17				1 17							
2 P042				2 V08				2 01				2 P002				2 P24V				2 V06				2 E1A				2 V06				2 V06				2 V06				2 V06				2 V06				2 V06							
3 P043				3 W08				3 02				3 P003				3 12V				3 W06				3 S0115				3 W06				3 W06				3 W06				3 W06				3 W06				3 W06							
4 P051				4 U09				4 03				4 P004				4 FRL				4 U07				4 E1B				4 U07				4 U07				4 U07				4 U07				4 U07				4 U07							
5 P054				5 V09				5 05				5 P005				5 0V				5 V07				5 T222				5 V07				5 V07				5 V07				5 V07				5 V07				5 V07							
6 P055				6 W09				6 06				6 P006				6 P07E				6 W07				6 E2A				6 W07				6 W07				6 W07				6 W07				6 W07				6 W07							
7 P056				7 U10				7 08				7 P007								7 IU01				7 E2B				7 IU01				7 IU01				7 IU01				7 IU01				7 IU01				7 IU01							
8 BLACK				8 V10				8 15				8 P008								8 IV01								8 IV01				8 IV01				8 IV01				8 IV01				8 IV01				8 IV01							
9 P057				9 W10				9 17				9 P009								9 IW01								9 IW01				9 IW01				9 IW01				9 IW01				9 IW01				9 IW01							
10 WHITE				10 U11				10 18				10 P00A								10 F&G								10 F&G				10 F&G				10 F&G				10 F&G				10 F&G				10 F&G							
9 N24V				9 V11				9 19				9 P00B								9 P087								9 P087				9 P087				9 P087				9 P087				9 P087				9 P087							
10 P24V				10 W11				10 20				10 P00C								10 P09E								10 P09E				10 P09E				10 P09E				10 P09E				10 P09E				10 P09E							
11				11 U12				11 R221				11 P011								11 P09F								11 P09F				11 P09F				11 P09F				11 P09F				11 P09F				11 P09F							
12				12 V12				12 T221				12 P012								12 T222								12 T222				12 T222				12 T222				12 T222				12 T222				12 T222							
13				13 W12				13 T222				13 P040								13								13				13				13				13				13				13				13			
14				14 U13				14				14 P041								14								14				14				14				14				14				14				14			

ENCODER 6P

ENCODER 6P

K3P-07CS

BLACK

WHITE

ORANGE

BROWN

BLUE

SHIELD

1

2

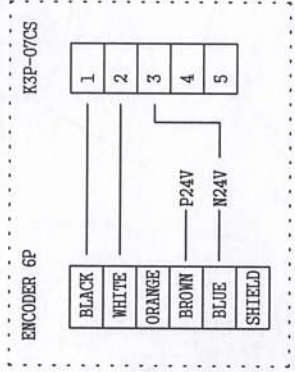
3

4

5

P24V

N24V



PROJECT NAME : WASHING MACHINE LINE	APPROVED BY : CHECKED BY : DESIGNED BY :	DRAWN BY : DATE : SCALE : -	SHEET NO : ORDER NO : DWG NO : DWEK-WL-025
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A	OUT CON'V										PRE-ASSEMBLY CON'V										ASSEMBLY CON'V																																																											
B	PRE-ASSEMBLY CON'V																																																																															
C	OUT PUT(12)										IN PUT(3)										OUT PUT(13)										IN PUT(7)										OUT PUT(14)										IN PUT(8)																													
D	OUT CON'V 출구쪽										P/A 입구쪽																																																																					
E	1.25SQ										0.75SQ SLD										1.25SQ										0.75SQ SLD										1.25SQ										0.75SQ SLD																													
F	NO.12-16P 15P										NO.3-16P 15P										NO.13-16P 15P										NO.7-16P 15P										NO.14-16P 15P										NO.8-16P 15P																													
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Z																																							

PRESS CON'V

TILTING CON'V

IN PUT(9)

OUT PUT(15)

IN PUT(5)

IN PUT(6)

IN PUT(16)

NO. 9-16P

1SP

1	P02B	흑1
2	P02C	흑2
3	P04A	흑3
4	P04S	좌1
5	P04G	좌2
6	P047	좌3
7	N24V	노1
8	P24V	노2
9		노3
10		노4
11		노5
12		노6
13		백1
14		백2
15		백3
16		

ROLL PRESS일 배 제외

ROLL PRESS일 때 제외

NO.15-32P 2.0SQ 30P

흑1	1	U16	17	IU10	노5
흑2	2	V16	18	IV10	노6
흑3	3	W16	19	IW10	노7
흑4	4	U19	20	UI18 (ROLL)	노8
흑5	5	V19	21	VI18 (ROLL)	노9
흑6	6	W19	22		노10
좌1	7	U20	23		노11
좌2	8	V20	24		노12
좌3	9	W20	25		노13
좌4	10	IU08	26	SOL08	노14
좌5	11	IV08	27	SOL09	노15
좌6	12	IW08	28	SOL10	노16
노1	13	IU09	29	SOL11	노17
노2	14	IV09	30	T222	노18
노3	15	IW09	31		노19
노4	16	F&G	32		노20

대기판일 때 IU9추가

NO. 5-32P PRESS OP 0.5SQ 30P

흑1	1	00	17	R224	노5
흑2	2	01	18	T224	노6
흑3	3	02	19		노7
흑4	4	16	20		노8
흑5	5	R221	21		노9
흑6	6	T221	22		노10
좌1	7	R222	23		노11
좌2	8	T222	24		노12
좌3	9	F&G	25		노13
좌4	10	P07F	26		노14
좌5	11	P080	27		노15
좌6	12	P081	28		노16
노1	13	P089	29		노17
노2	14	P08E	30		노18
노3	15	P08F	31		노19
노4	16	T222	32		노20

TOWER LAMP(G)
TOWER LAMP(Y)
TOWER LAMP(R)

NO. 6-16P 0.5SQ SLD 10P

1	P00D	흑1
2	P00E	흑2
3	P00F	흑3
4	P010	좌1
5	P018	좌2
6	N24V	좌3
7	P24V	노1
8	P02B	노2
9	P02C	노3
10		
11	RED	
12	WHITE	
13	BLACK	
14		
15		
16		

(ROLL)
(ROLL)
0.5sq X4P (SHIELD)
POD 통선
DWEK-WL-019

NO.16-16P 0.75SQ SLD 1SP

1	P014	흑1
2	P02A	흑2
3	P02D	흑3
4	P02E	좌1
5	P02F	좌2
6	P030	좌3
7	P031	노1
8	N24V	노2
9	P24V	노3
10	P04A	노4
11		
12		
13		
14		
15		
16		

대기판일 때

PROJECT NAME :	WASHING MACHINE LINE		 (주)이강테크 EKANG TECH CO., LTD	APPROVED BY :	DRAWN BY :	SHEET NO :
TITLE :				CHECKED BY :	DATE :	ORDER NO :
				DESIGNED BY :	SCALE :	DWG NO :
						DWEK-WL-027