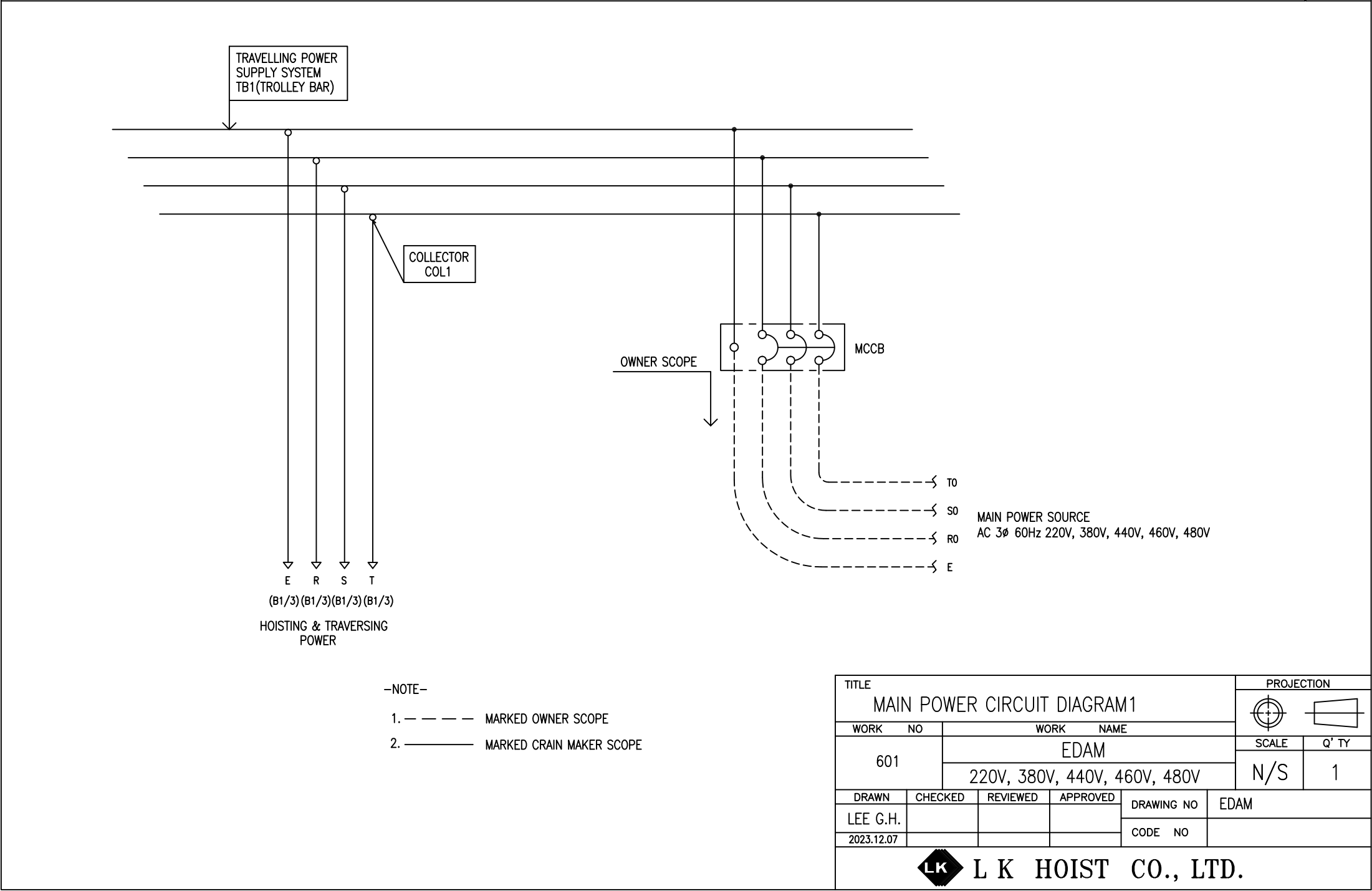
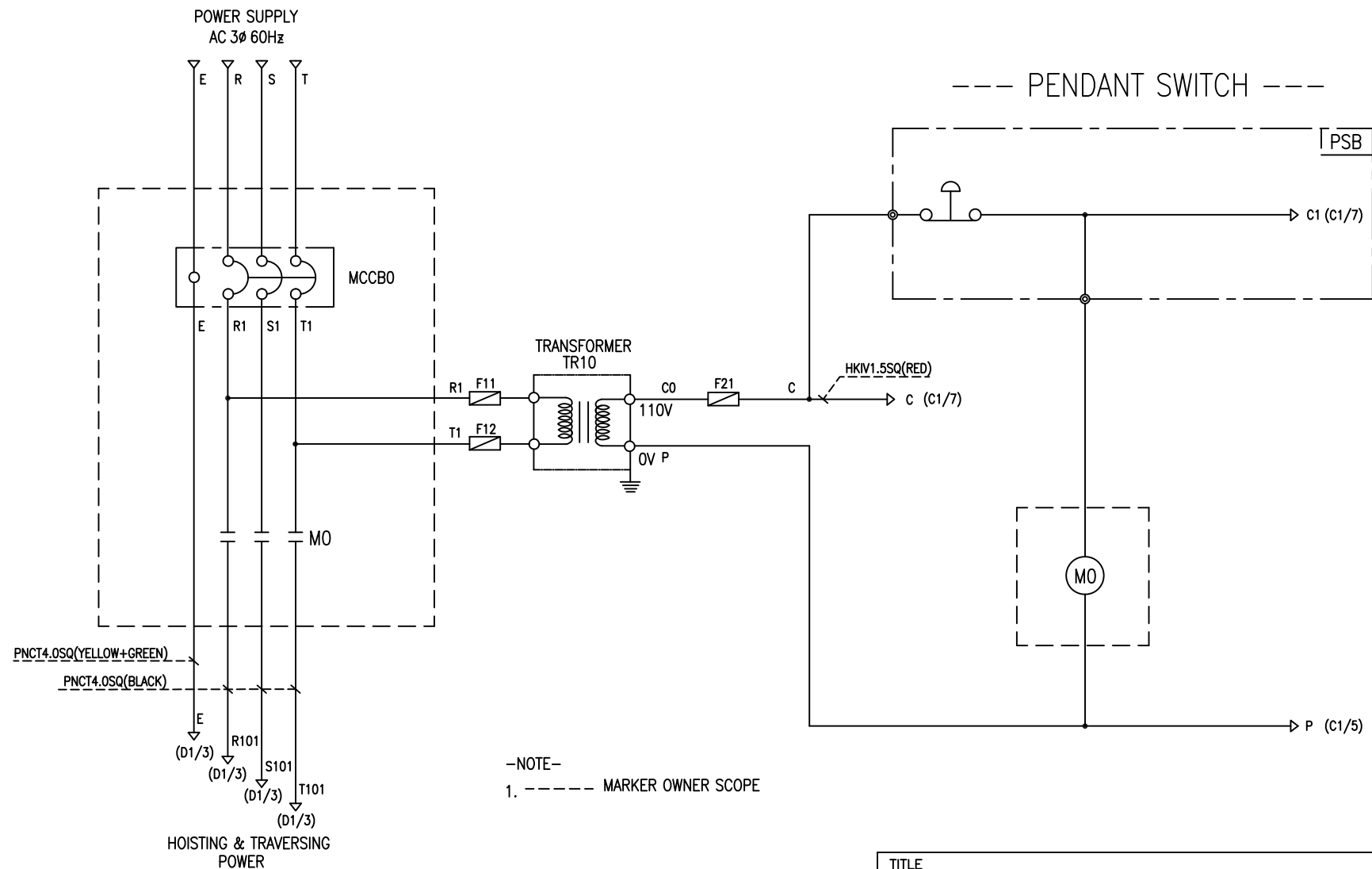
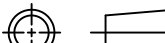


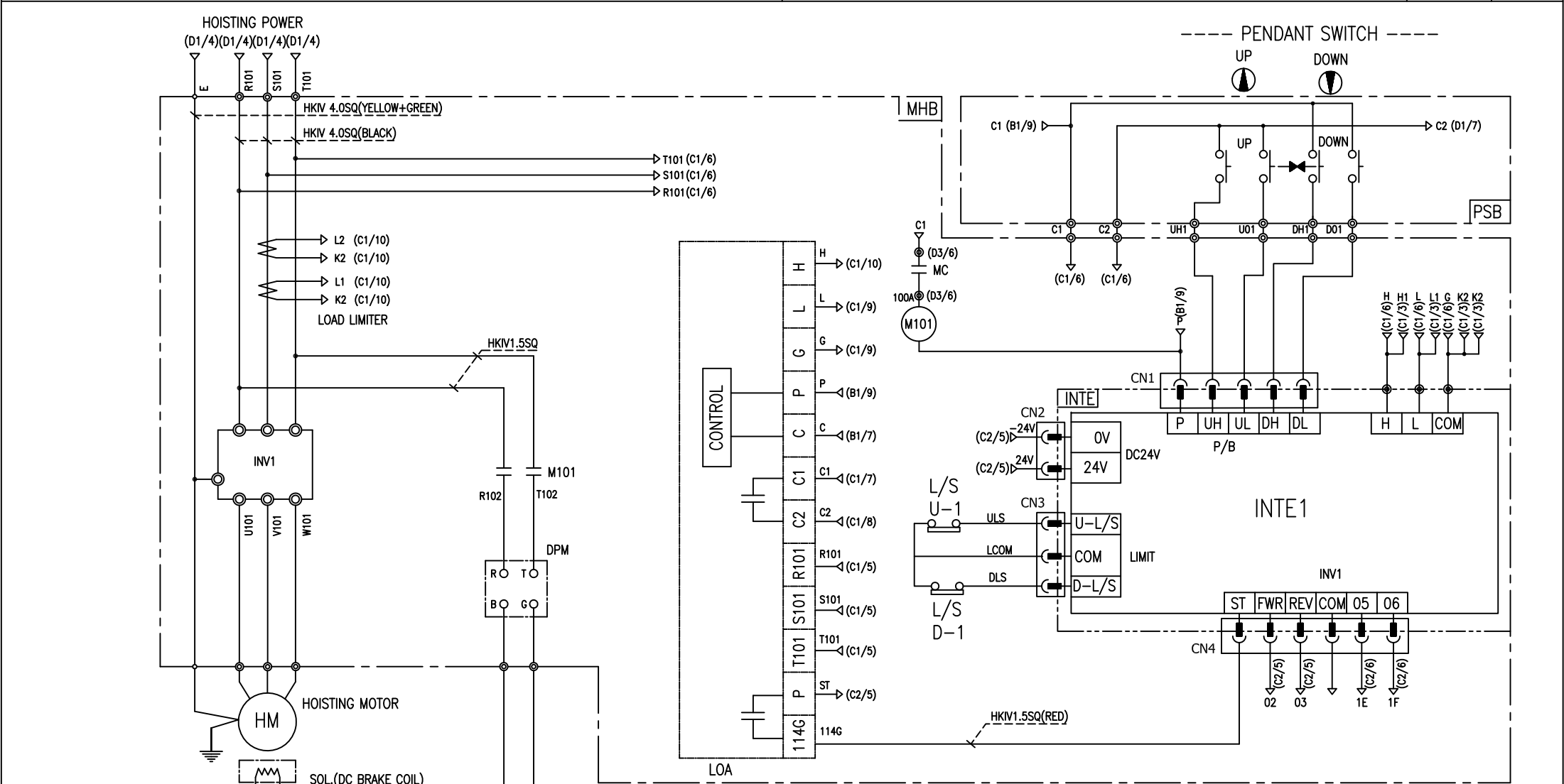


1	2	3	4	5	6	7	8	9	10		
POWER CIRCUIT					CONTROL CIRCUIT					ADDRESS NO.	B1



SPECIFICATION	NO FUSE BREAKER		MAGNET CONTACT		TRANSFORMER	FUSE
SYMBOLS	MCCB0		M0		TR10	F11, F12, F21
DESCRIPTION	220V	50A	GMC22	DMC-22	30VA	1A
	380V	30A				
	440V	20A				
	460V	20A				
	480V	20A				
MAKER	LS		LS	DONGA	YEONG DONG	-

TITLE					PROJECTION	
MAIN POWER & CONTROL CIRCUIT DIAGRAM						
WORK	NO	WORK NAME				
602		EDAM			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			N/S	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	EDAM	
LEE.G.H				CODE NO		
2023.12.07						
 L K HOIST CO., LTD.						



-NOTE-
1.  : Mechanical Interlock

SPECIFICATION	RELAY	LOAD LIMITER	SILICON RECTIFIER					HOIST MOTOR
SYMBOLS	M101	LOA	DPM					HM
DESCRIPTION	2A2B	LKDL-80	AC220V	AC380V	AC440V	AC460V	AC480V	3.5Kw * 4P
			DC99V	DC171V	DC198V	DC207V	DC216V	
MAKER	DAE-IL	YANG YEONG	SAMMUSCO					LK

TITLE

HOIST POWER & CONTROL CIRCUIT DIAGRAM

WORK NO

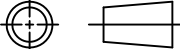
603

WORK NAME

EDAM

220V, 380V, 440V, 460V, 480V

PROJECTION



SCALE

N/S

Q' TY

1

DRAWN

LEE.G.H

CHECKED

REVIEWED

APPROVED

MODEL

EDAM

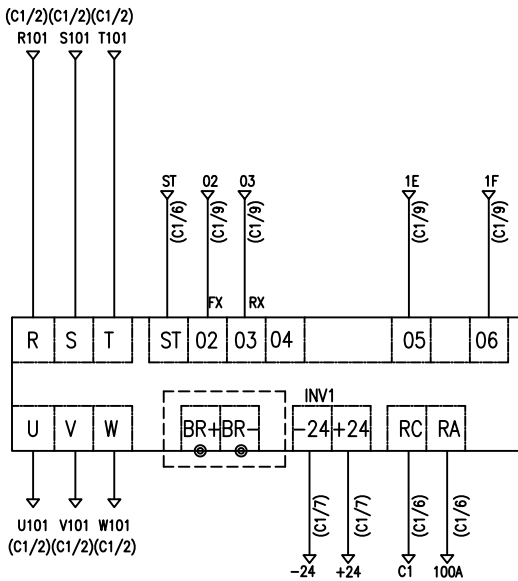
CODE NO

2023.12.07

LK

L K HOIST CO., LTD.

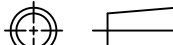
1	2	3	4	5	6	7	8	9	10	
HOIST CONTROL CIRCUIT									ADDRESS NO.	C2



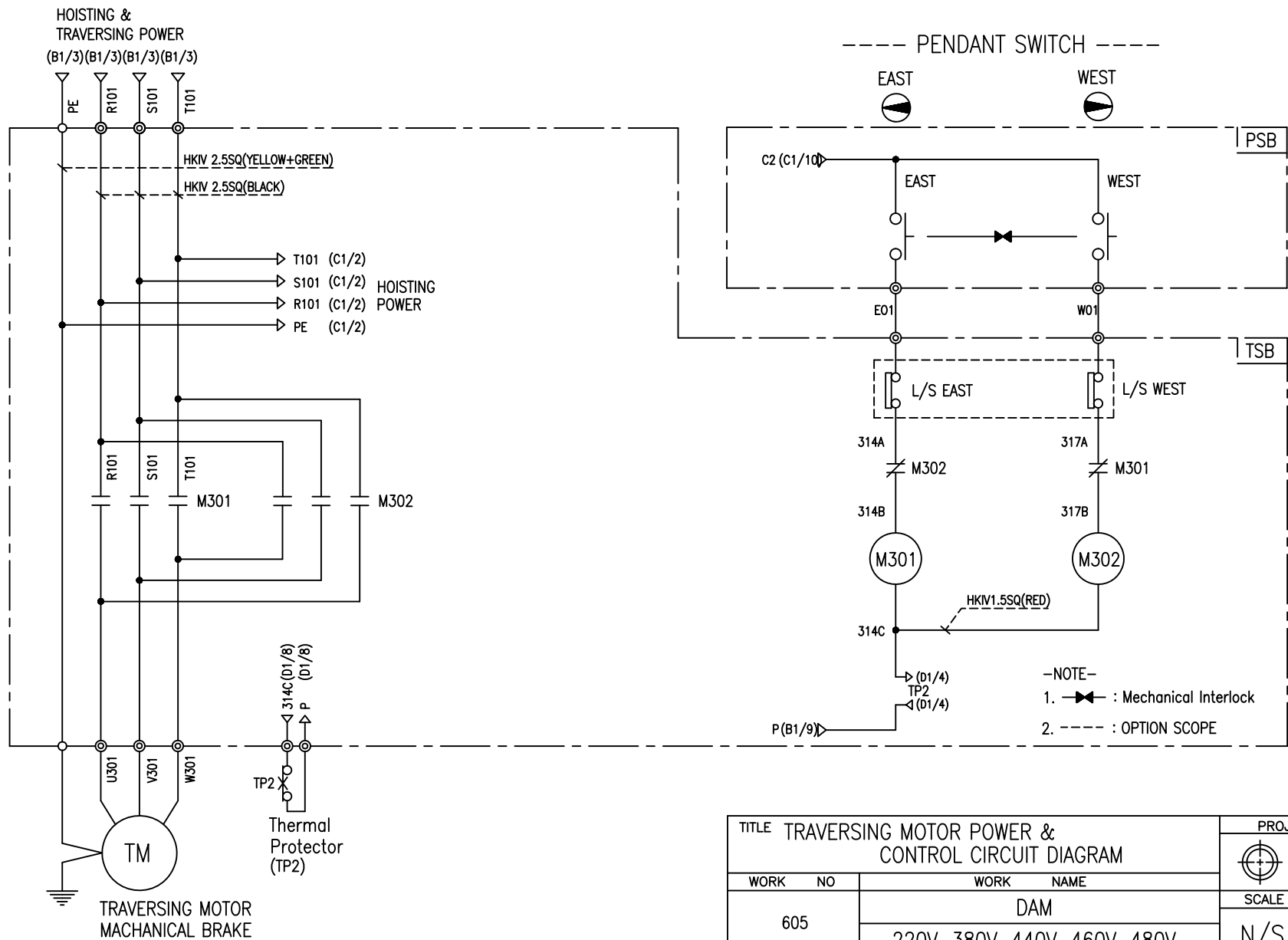
-NOTE-

1. ---- : OPTION SCOPE

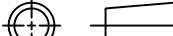
SPECIFICATION	INVERTER	BRAKING RESISTOR	
SYMBOLS	INV1	BR	
DESCRIPTION	LSLV-0040S100 4.0KW	200V	600W 33 OHM
		400V	600W 130 OHM
MAKER	LS	—	

TITLE					PROJECTION	
INVERTER CONTROL CIRCUIT DIAGRAM						
WORK NO		WORK NAME			SCALE	
604		HOISTING			Q' TY	
		220V, 380V, 440V, 460V, 480V			N/S 1	
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	EDAM	
LEE.G.H				CODE NO		
2023.12.07						
 L K HOIST CO., LTD.						

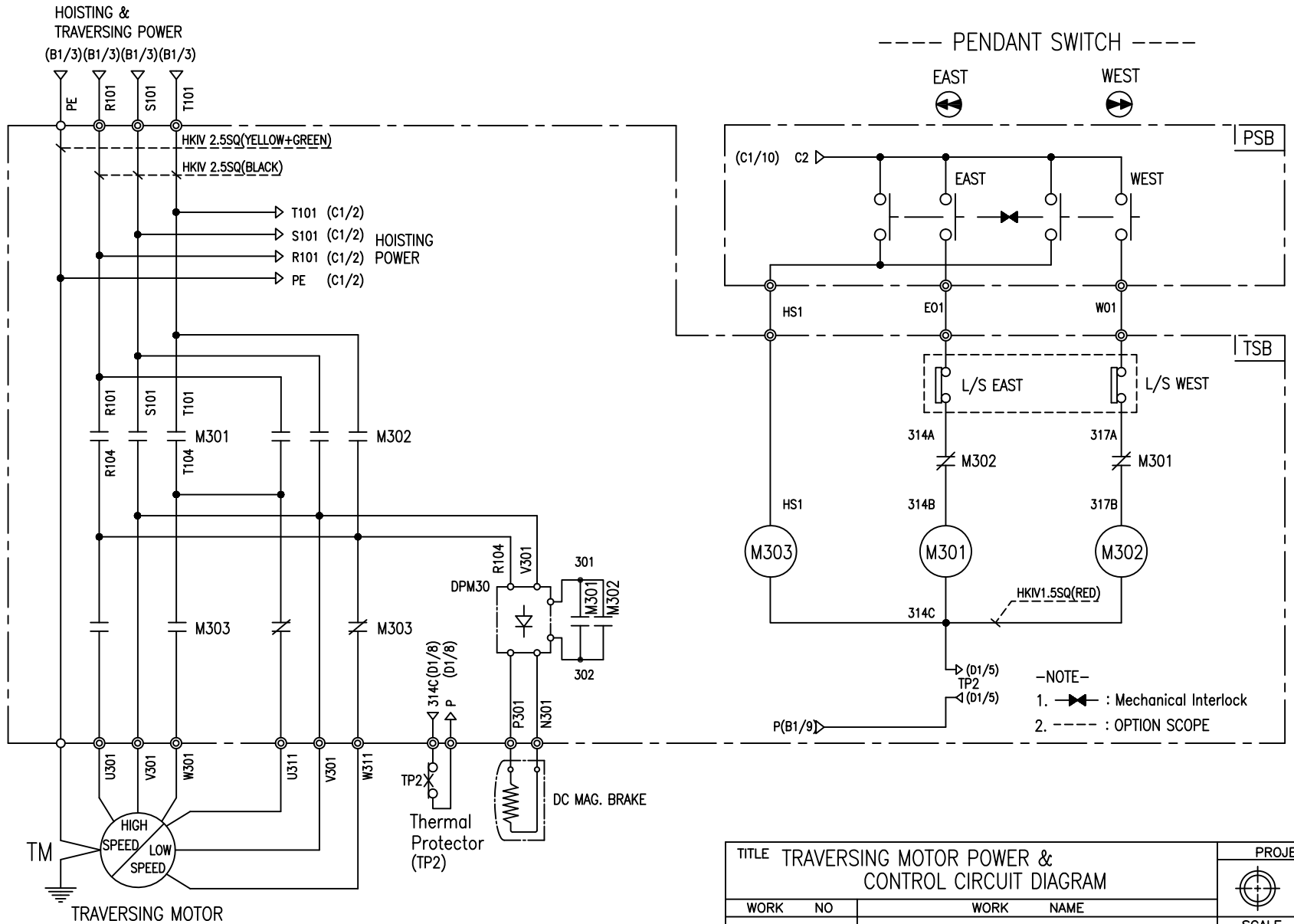
1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1



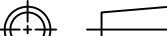
SPECIFICATION	MAGNET CONTACT	Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M301, M302	TP2	TM	
DESCRIPTION	DMC-12	17AM032	0.75KW*4P	0.4KW*6P
MAKER	DONG-A	Texas Instruments	LK	

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM						PROJECTION 	
WORK NO		WORK NAME					
605		DAM				SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V				N/S	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	DAM		
LEE.G.H							
2023.12.07							
 L K HOIST CO., LTD.							

1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1



SPECIFICATION	MAGNET CONTACT		Thermal Protector	SILICON RECTIFIER					TRAVERSING MOTOR
SYMBOLS	M301, M302	M303	TP2	DPM30					TM
DESCRIPTION	DMC-12	DMC-12 (2A2B)	17AM032	AC220V	AC380V	AC440V	AC460V	AC480V	0.75/0.25KW*4/12P
				DC99V	DC171V	DC198V	DC207V	DC216V	
MAKER	DONG-A		Texas Instruments	YANG YEONG					LK

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM					PROJECTION 	
WORK NO		WORK NAME				
606		DAM			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			N/S	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	DAM	
LEE.G.H						
2023.12.07						
 L K HOIST CO., LTD.						

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	HOISTING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	3.5 - 4 - 46	
4. RATED POWER	3.5 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	460 V	60HZ
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	30 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	80℃	
11. FULL LOAD SPEED	1740 RPM	
12. FULL LOAD CURRENT	8.2 A	
13. STARTING CURRENT AT RATED VOLTAGE	39.6 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	73.4 %	
16. POWER FACTOR AT 100% RATED LOAD	73.0 %	
17. STARTING TORQUE	245 %	
18. TYPE OF ENCLOSURE	전폐형(IP-54)	
19. TYPE OF BEARING	PL : 6205DD OPL : 6008ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.75 - 4 - 46	
4. RATED POWER	0.75 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	460 V 60HZ	
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1670 RPM	
12. FULL LOAD CURRENT	2.3 A	
13. STARTING CURRENT AT RATED VOLTAGE	12.6 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	65 %	
16. POWER FACTOR AT 100% RATED LOAD	63 %	
17. STARTING TORQUE	250 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6008DD OPL : 6207ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPURE	40℃	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.4 - 6 - 46	
4. RATED POWER	0.4 KW × 6 P	
5. RATED VOLTAGE AND FREQUENCY	460 V 60HZ	
6. ROTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	80 °C	
11. FULL LOAD SPEED	1140 RPM	
12. FULL LOAD CURRENT	1.53 A	
13. STARTING CURRENT AT RATED VOLTAGE	8.4 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	65 %	
16. POWER FACTOR AT 100% RATED LOAD	63 %	
17. STARTING TORQUE	249 %	
18. TYPE OF ENCLOSURE	TENV	
19. TYPE OF BEARING	PL : 6202DD OPL : 6204DD	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPERATURE	40°C	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	

SPECIFICATION FOR ELECTRIC MOTORS	INTERNAL IDENTIFICATION NO.	PAGE : REV :
SCHEDULE OF TECHNICAL DATA		
1. SERVICE	TRAVERSING	
2. MANUFACTURE	LK HOIST CO. LTD	
3. MOTOR MODEL NO	0.75/0.25 - 4/12 - 46	
4. RATED POWER	0.75/0.25 KW × 4/12 P	
5. RATED VOLTAGE AND FREQUENCY	460 V	60HZ
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	90 °C	
11. FULL LOAD SPEED	1670 / 550 RPM	
12. FULL LOAD CURRENT	2.3 / 1.44 A	
13. STARTING CURRENT AT RATED VOLTAGE	12.7 / 7.92 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	65 / 48 %	
16. POWER FACTOR AT 100% RATED LOAD	63 / 45 %	
17. STARTING TORQUE	250 / 243 %	
18. TYPE OF ENCLOSURE	TENV	
19. TYPE OF BEARING	PL : 6204DD OPL : 6205ZZ	
20. MOUNTING	VERTICAL	
21. MAXIMUM AMBIENT TEMPERATURE	40°C	
22. BEARING LUBRICATION	GREASE	
23. STARTING METHOD	FULL VOLTAGE	