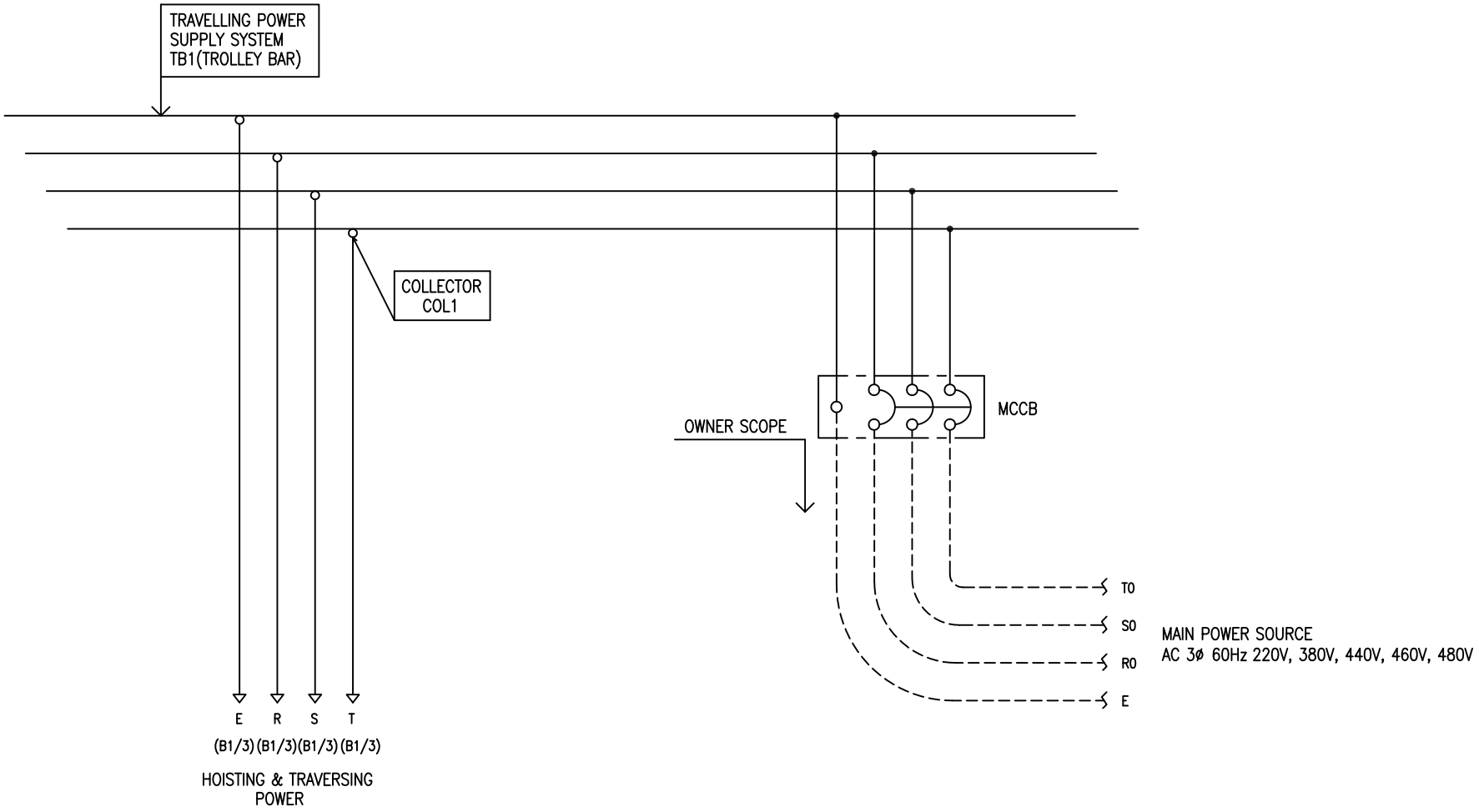
1	2	3	4	5	6	7	8	9	10

POWER CIRCUIT | ADDRESS NO.

TRAVELLING POWER SUPPLY SYSTEM | A1



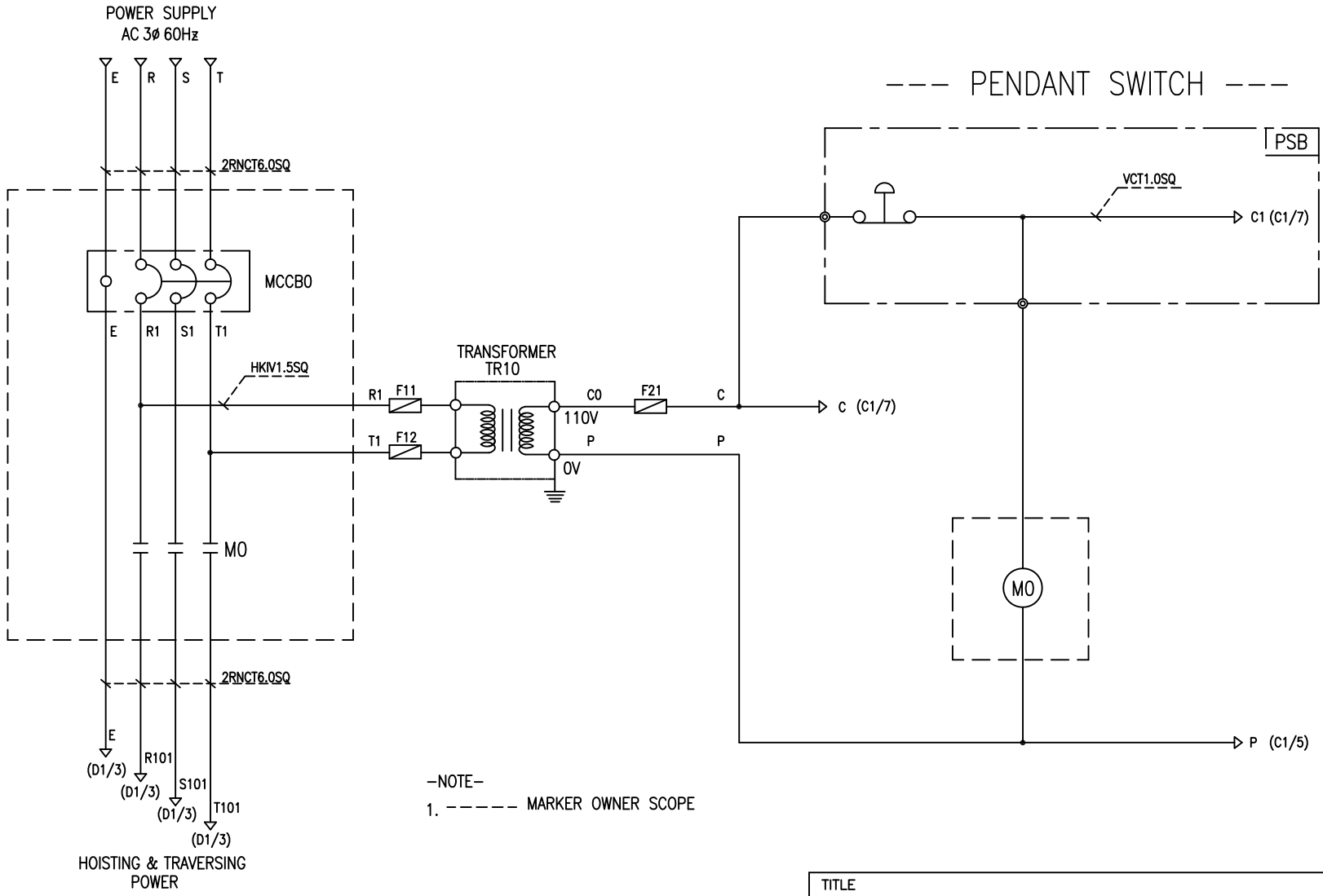
–NOTE–

1. — — — — MARKED OWNER SCOPE
2. ———— MARKED CRAIN MAKER SCOPE

TITLE				PROJECTION
MAIN POWER CIRCUIT DIAGRAM1				
WORK NO	WORK NAME			SCALE / Q'TY
601	DAM 220V, 380V, 440V, 460V, 480V			1/1 / 1
DRAWN	CHECKED	REVIEWED	APPROVED	DRAWING NO: DAM
LEE G.H.				CODE NO:
2012.09.10				

L K HOIST CO., LTD.

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



-NOTE-

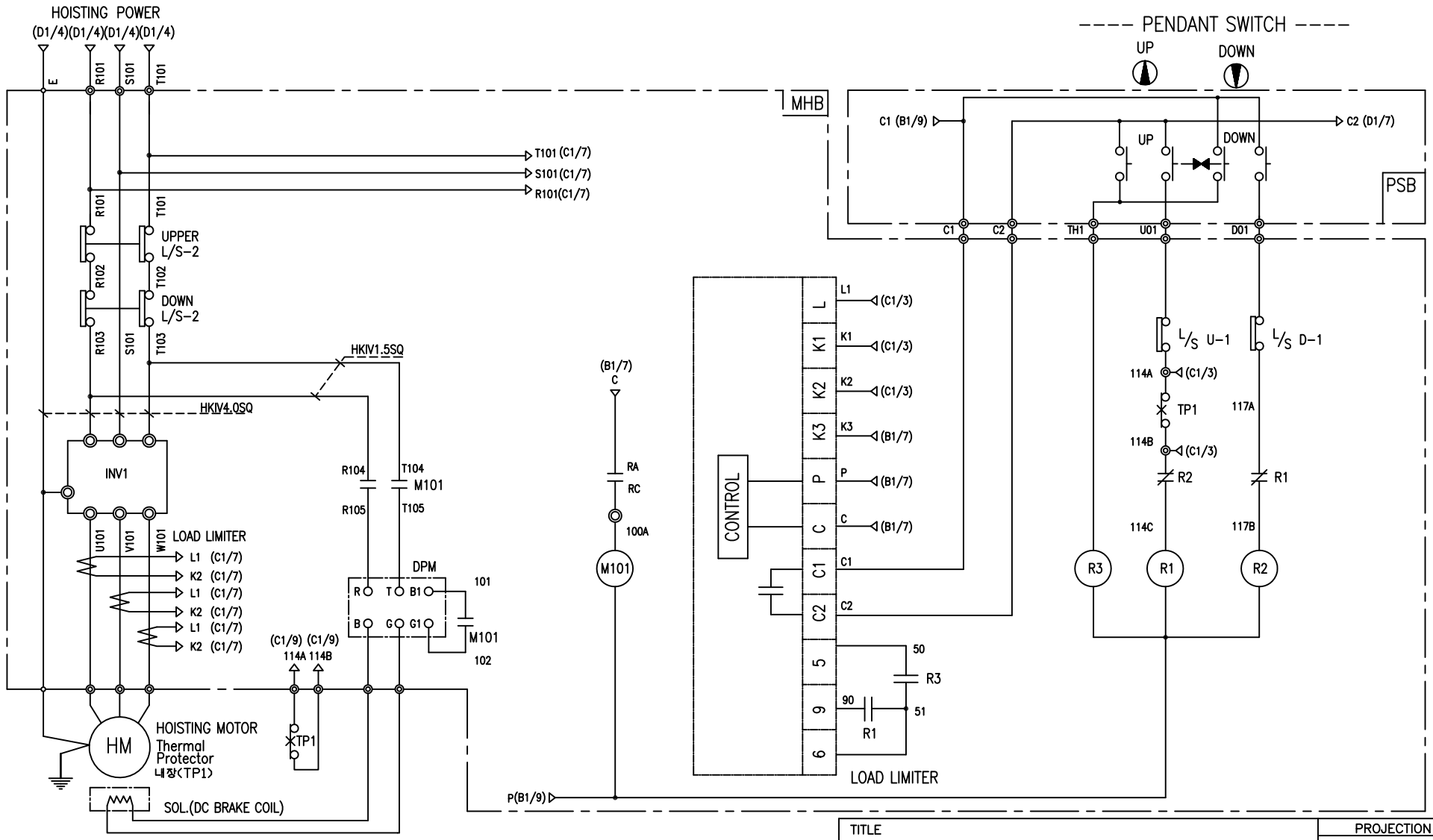
1. ----- MARKER OWNER SCOPE

SPECIFICATION	NO FUSE BREAKER		MAGNET CONTACT		TRANSFORMER	FUSE
SYMBOLS	MCCB0		M0		TR10	F11, F12, F21
DESCRIPTION	220V	30A	GMC22	DMC-22	40VA	1A
	380V	15A				
	440V	15A				
	460V	15A				
	480V	15A				
MAKER	LS		LS	DONGA	LK	-

TITLE				PROJECTION
MAIN POWER & CONTROL CIRCUIT DIAGRAM				
WORK NO	WORK NAME			SCALE / Q'TY
602	DAM			1/1 / 1
	220V, 380V, 440V, 460V, 480V			
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL: DAM
LEE.G.H				CODE NO:
2012.09.10				

L K HOIST CO., LTD.

1	2	3	4	5	6	7	8	9	10
HOIST POWER CIRCUIT					HOIST CONTROL CIRCUIT				ADDRESS NO. C1



RELAY
R1, R2, R3
4A4B
KACON

SPECIFICATION	MAGNET CONTACT	LOAD LIMITER	SILICON RECTIFIER					Thermal Protector	HOIST MOTOR
SYMBOLS	M101	–	DPM					TP1	HM
DESCRIPTION	DMC25C	ALD-90 INV	AC220V	AC380V	AC440V	AC460V	AC480V	17AM032	1.8Kw * 4P
			DC99V	DC171V	DC198V	DC207V	DC216V		
MAKER	DONG-A	ASAN	LK					Texas Instruments	LK

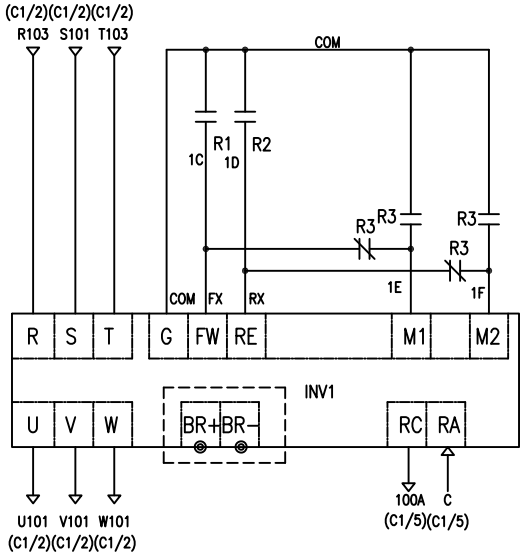
-NOTE-
1. ⊣▶◀⊢ : Mechanical Interlock

TITLE				PROJECTION
HOIST POWER & CONTROL CIRCUIT DIAGRAM				
WORK NO	WORK NAME			SCALE / Q'TY
603	DAM 220V, 380V, 440V, 460V, 480V			1/1 / 1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL: DAM
LEE.G.H				CODE NO:
2012.09.10				

LK L K HOIST CO., LTD.

1	2	3	4	5	6	7	8	9	10

HOIST CONTROL CIRCUIT | ADDRESS NO. C2



-NOTE-

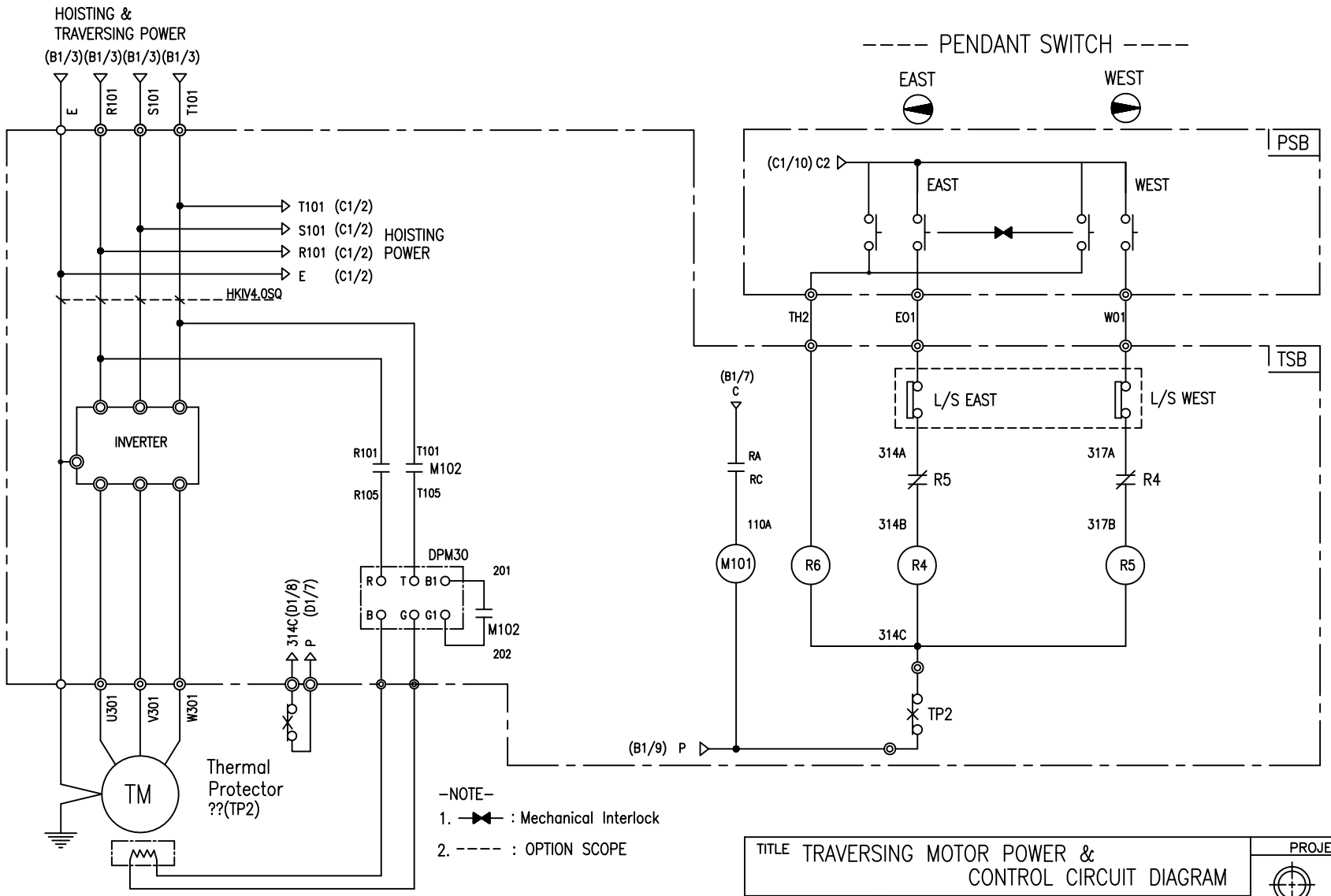
1. ---- : OPTION SCOPE

SPECIFICATION	INVERTER	BRAKING RESISTOR
SYMBOLS	INV1	BR
DESCRIPTION	2.2KW	300W 250 OHM
MAKER	ROCKWELL	-

TITLE				(D)/6) PROJECTION
INVERTER CONTROL CIRCUIT DIAGRAM				
WORK NO	WORK NAME			SCALE / Q'TY
604	HOISTING 220V, 380V, 440V, 460V, 480V			1/1 / 1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL: DAM
LEE.G.H				CODE NO:
2012.09.10				

L K HOIST CO., LTD.

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



RELAY
R4, R5, R6
4A4B
KACON

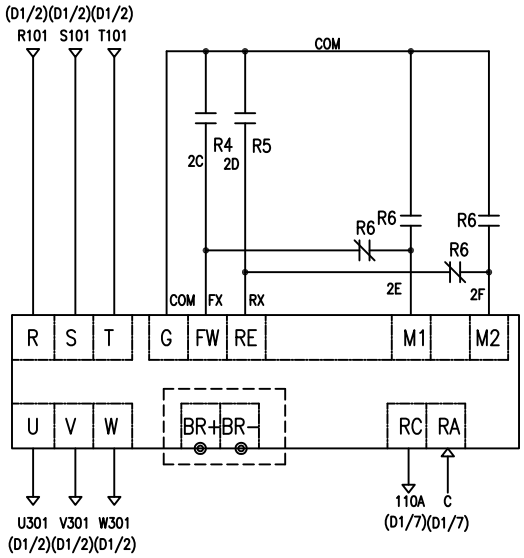
SPECIFICATION	MAGNET CONTACT	SILICON RECTIFIER					Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M102	DPM30					TP2	TM	
DESCRIPTION	DMC12	AC220V	AC380V	AC440V	AC460V	AC480V	17AM032	0.75KW *4P	0.4KW *6P
		DC99V	DC171V	DC198V	DC207V	DC216V			
MAKER	DONG-A	LK					Texas Instruments	LK	

TITLE	TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM			PROJECTION
WORK NO	WORK NAME			SCALE / Q'TY
605	DAM			1/1 / 1
	220V, 380V, 440V, 460V, 480V			
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL: DAM
LEE.G.H				CODE NO:
2012.09.10				

LK L K HOIST CO., LTD.

1	2	3	4	5	6	7	8	9	10

HOIST CONTROL CIRCUIT | ADDRESS NO. D2



-NOTE-

1. ---- : OPTION SCOPE

SPECIFICATION	INVERTER	BRAKING RESISTOR
SYMBOLS	INV2	BR
DESCRIPTION	0.75KW	80W 750 OHM
MAKER	ROCKWELL	-

TITLE				(D1/6) PROJECTION
INVERTER CONTROL CIRCUIT DIAGRAM				
WORK NO	WORK NAME			SCALE / Q'TY
606	TRAVERSING 220V, 380V, 440V, 460V, 480V			1/1 / 1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL: DAM
LEE.G.H				CODE NO:
2012.09.10				

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	1.8 - 4 - 44
4. RATED POWER	1.8 KW × 4 P
5. RATED VOLTAGE AND FREQUENCY	440 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	4.7 A
13. STARTING CURRENT AT RATED VOLTAGE	23.5 A
14. MINIMUM STARTING VOLTAGE	396 V
15. EFFICIENCY AT 100% RATED LOAD	72.0 %
16. POWER FACTOR AT 100% RATED LOAD	69.8 %
17. STARTING TORQUE	245 %
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	0.75 - 4 - 44
4. RATED POWER	0.75 KW × 4 P
5. RATED VOLTAGE AND FREQUENCY	440 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	2.4 A
13. STARTING CURRENT AT RATED VOLTAGE	13.2 A
14. MINIMUM STARTING VOLTAGE	396 V
15. EFFICIENCY AT 100% RATED LOAD	65 %
16. POWER FACTOR AT 100% RATED LOAD	63 %
17. STARTING TORQUE	249 %
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 - 44
4. RATED POWER	0.4 KW × 6 P
5. RATED VOLTAGE AND FREQUENCY	440 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)	100℃
11. FULL LOAD SPEED	1140 RPM
12. FULL LOAD CURRENT	1.6 A
13. STARTING CURRENT AT RATED VOLTAGE	8.8 A
14. MINIMUM STARTING VOLTAGE	396 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 TEMPERATURE	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	0.75/0.25 - 4/12 - 44
4. RATED POWER	0.75/0.25 KW × 4/12 P
5. RATED VOLTAGE AND FREQUENCY	440 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 / 550 RPM
12. FULL LOAD CURRENT	2.4 / 1.5 A
13. STARTING CURRENT AT RATED VOLTAGE	13.2 / 8.25 A
14. MINIMUM STARTING VOLTAGE	396 V
15. EFFICIENCY AT 100% RATED LOAD	65 / 48 %
16. POWER FACTOR AT 100% RATED LOAD	63 / 46 %
17. STARTING TORQUE	250 / 243 %
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