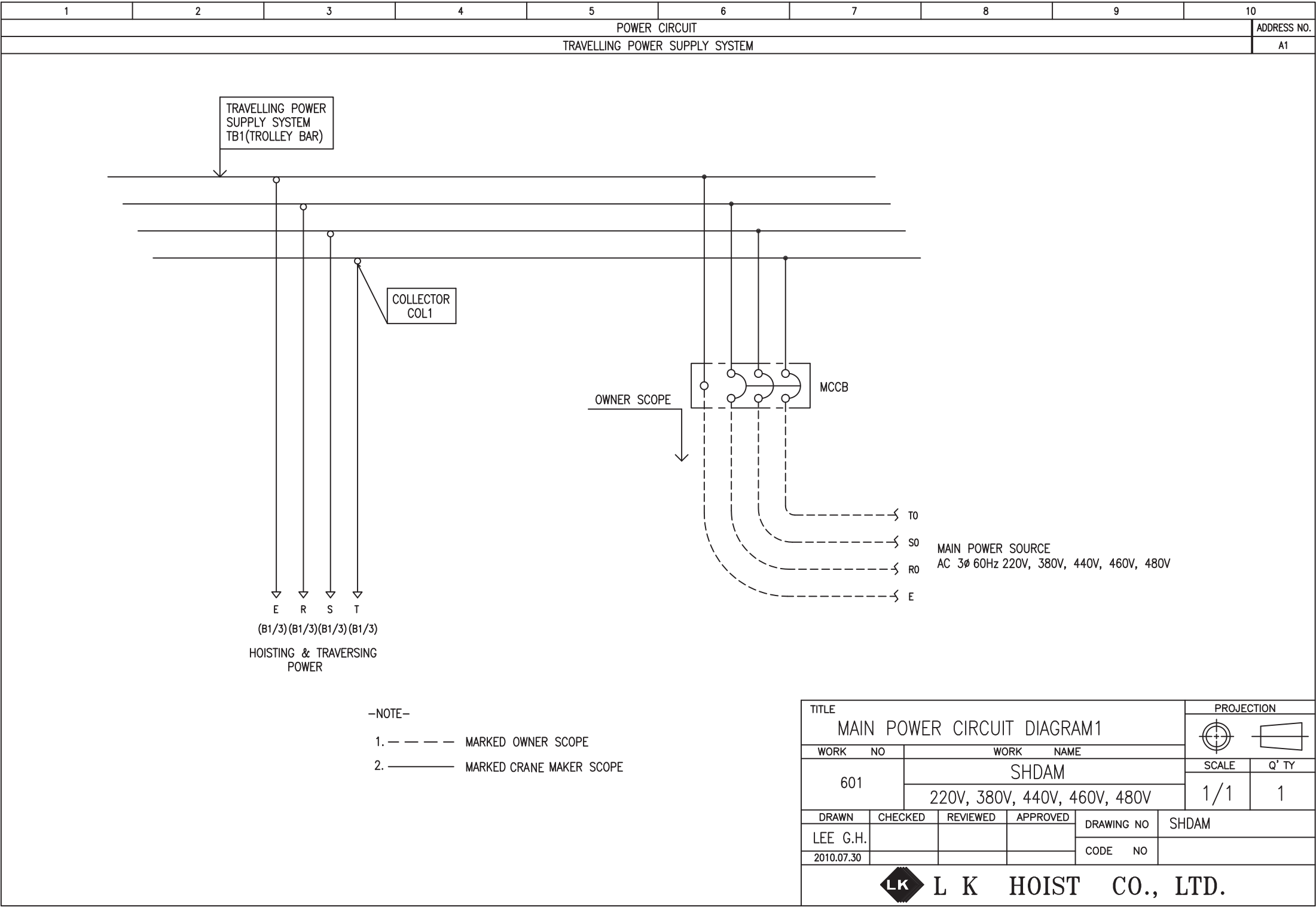
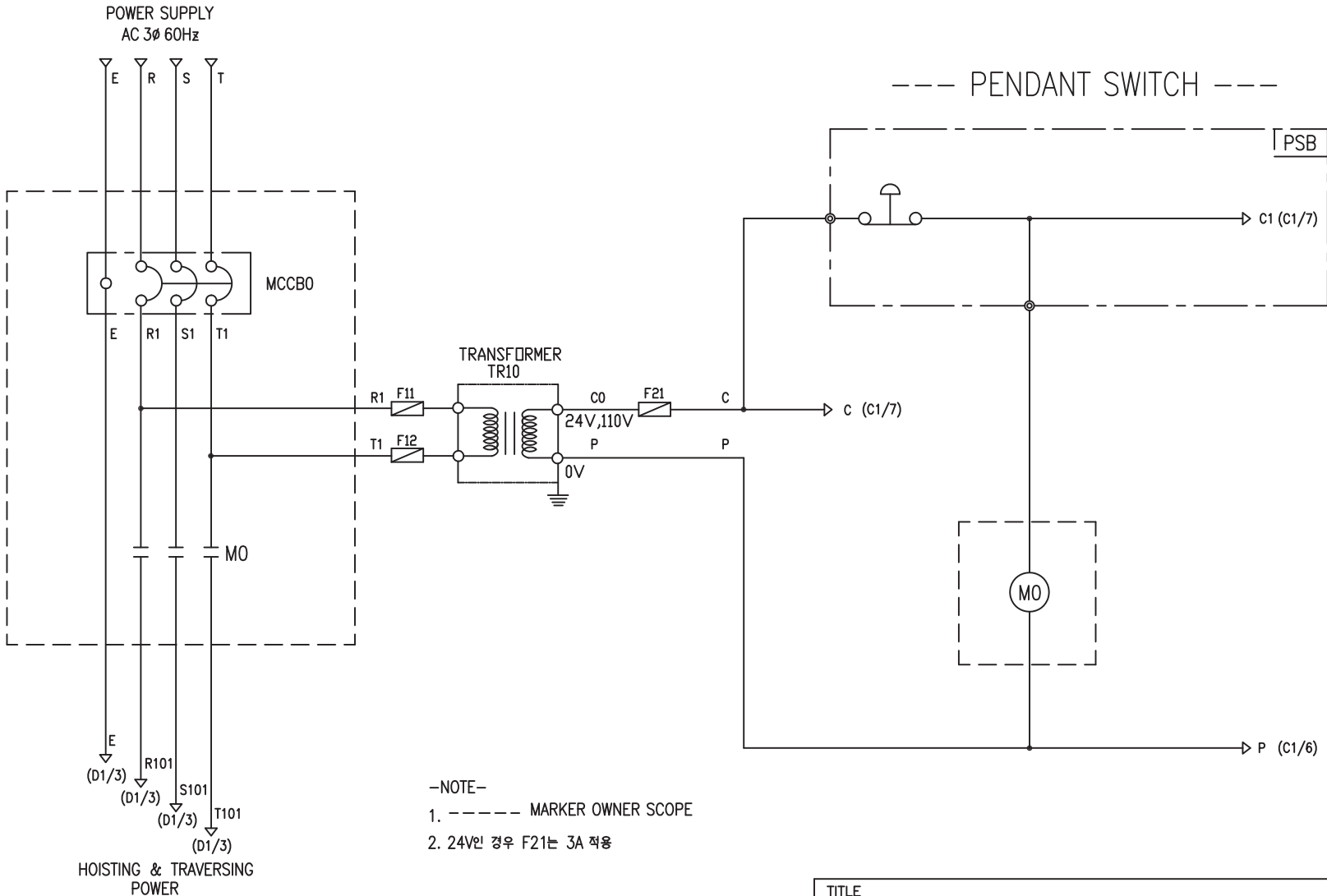




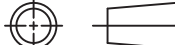
1	2	3	4	5	6	7	8	9	10		
POWER CIRCUIT					CONTROL CIRCUIT					ADDRESS NO.	B1

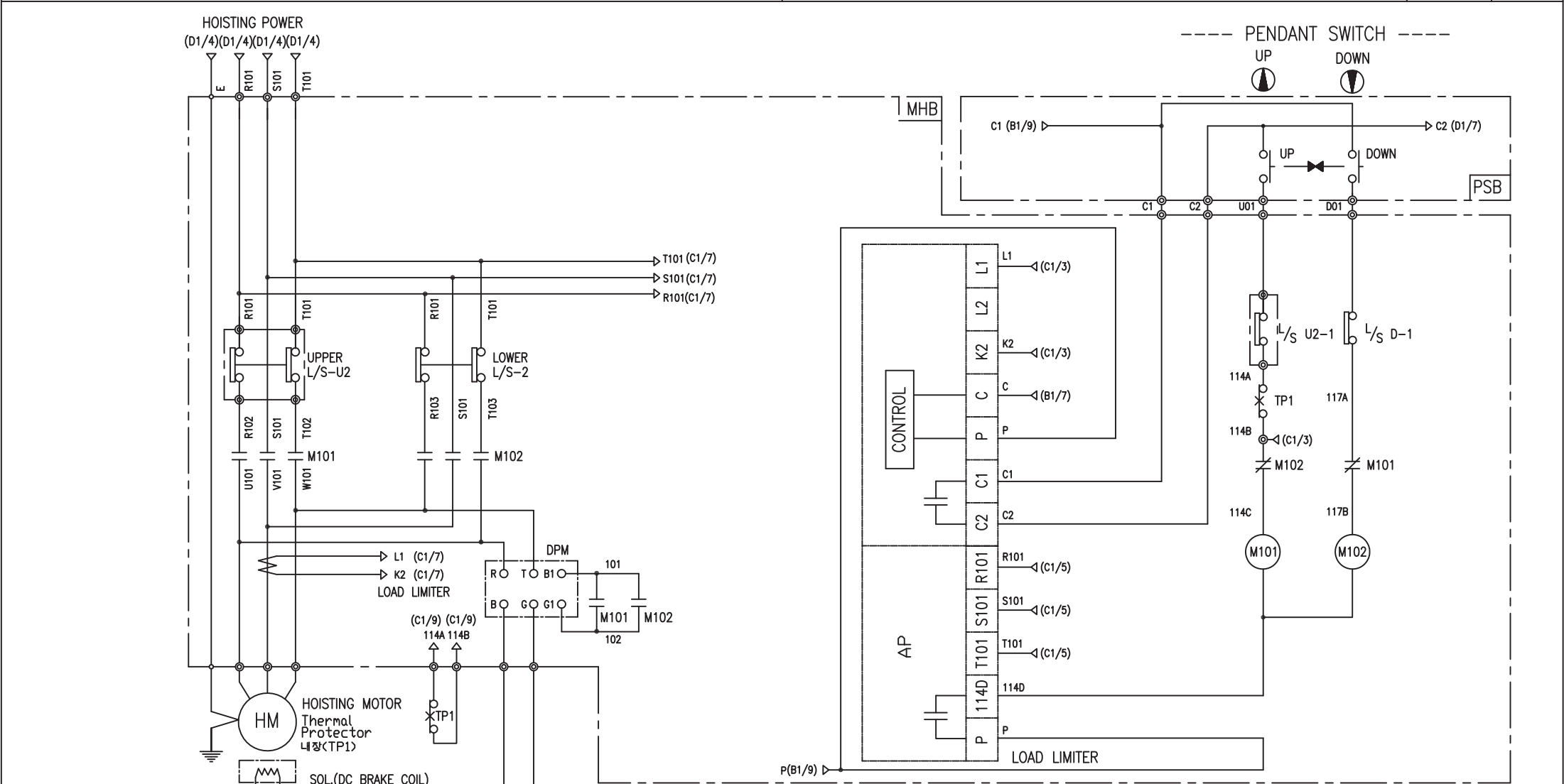


-NOTE-

1. ----- MARKER OWNER SCOPE
2. 24V인 경우 F21는 3A 적용

SPECIFICATION	NO FUSE BREAKER		MAGNET CONTACT		TRANSFORMER	FUSE
SYMBOLS	MCCB0		M0		TR10	F11, F12, F21
DESCRIPTION	220V	50A	GMC22	DMC-22	60VA	1A
	380V	30A				
	440V	20A				
	460V	20A				
	480V	20A				
MAKER	LS		LS	DONGA	LK	—

TITLE					PROJECTION	
MAIN POWER & CONTROL CIRCUIT DIAGRAM						
WORK	NO	WORK			NAME	
602		SHDAM			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			1/1	1
DRAWN	CHECKED	REVISED	APPROVED	MODEL	SHDAM	
LEE.G.H				CODE	NO	
2010.07.30						
 L K HOIST CO., LTD.						



-NOTE-
1. ——— : Mechanical Interlock

SPECIFICATION	MAGNET CONTACT		LOAD LIMITER	SILICON RECTIFIER				Thermal Protector	HOIST MOTOR
SYMBOLS	M101, M102		—	DPM				TP1	HM
DESCRIPTION	DMC-22	GMC-22	LKDL-601	AC220V	AC440V	AC460V	AC480V	17AM032	3.5Kw * 4P
				DC99V	DC198V	DC207V	DC216V		
MAKER	DONG-A	LS	LK	LK				Texas Instruments	LK

TITLE

HOIST POWER & CONTROL CIRCUIT DIAGRAM

WORK NO

603

WORK NAME

SHDAM

220V, 440V, 460V, 480V

DRAWN

LEE.G.H

CHECKED

REVIEWED

APPROVED

MODEL

SHDAM

CODE NO

PROJECTION

SCALE

Q' TY

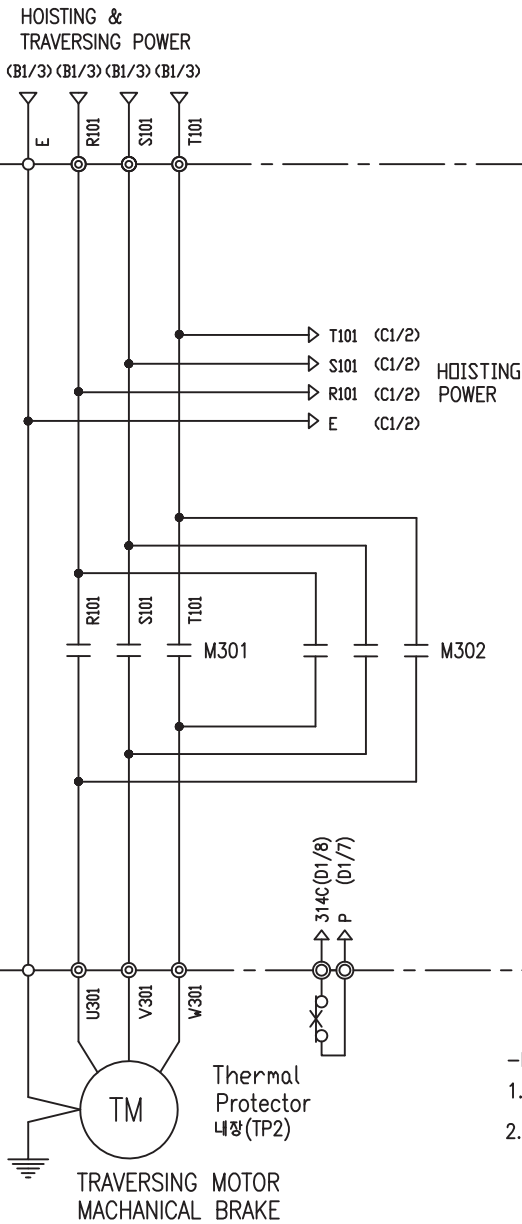
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1

2010.07.30

L K HOIST CO., LTD.

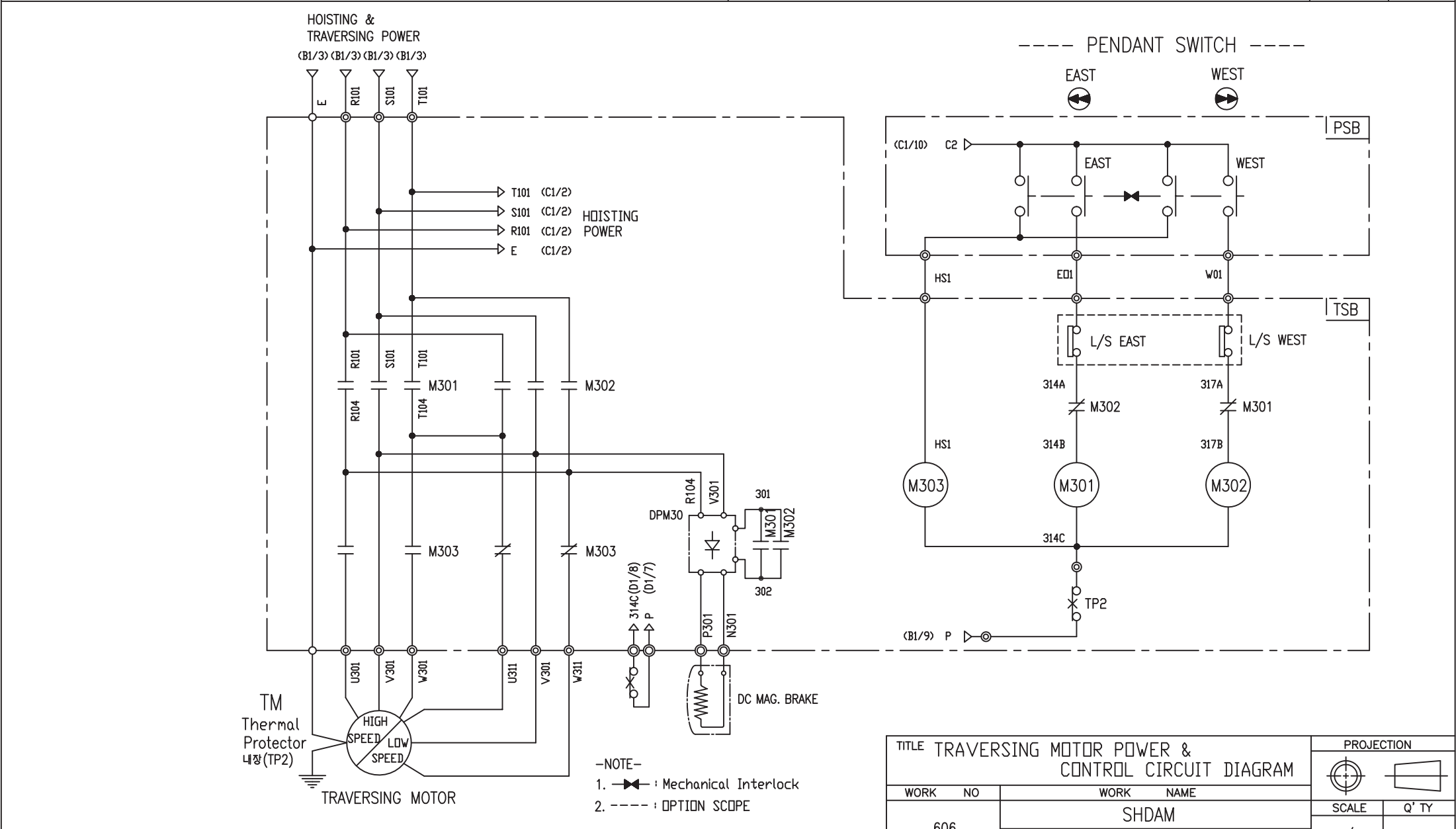
1	2	3	4	5	6	7	8	9	10
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- NOTE-
1.  : Mechanical Interlock
 2. ---- : OPTION SCOPE

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM							PROJECTION	
WORK NO		WORK NAME						
605		SHDAM					SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V					1/1	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL		SHDAM		
LEE.G.H				CODE NO				
2010.07.30								
 L K HOIST CO., LTD.								

SPECIFICATION	MAGNET CONTACT		Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M301, M302		TP2	TM	
DESCRIPTION	GMC12	DMC12	17AM032	0.75KW *4P	0.4KW *6P
MAKER	LS	DONGA	Texas Instruments	LK	



SPECIFICATION	MAGNET CONTACT		Thermal Protector	SILICON RECTIFIER					TRAVERSING MOTOR
SYMBOLS	M301, M302, M303		TP2	DPM30					TM
DESCRIPTION	GMC12	DMC12	17AM032	AC220V	AC380V	AC440V	AC460V	AC480V	0.75/0.25KW *4/12P
				DC99V	DC171V	DC198V	DC207V	DC216V	
MAKER	LS	DONGA	Texas Instruments	LK					LK

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM

WORK NO606WORK NAMESHDAM220V, 380V, 440V, 460V, 480V

PROJECTIONSCALE1/1Q' TY1

DRAWNLEE.G.H2010.07.30

CHECKED

REVIEWED

APPROVED

MODEL

SHDAM

CODE NO

LK

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 - 22	
4. RATED POWER	3.5 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	220 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	17.2 A	
13. STARTING CURRENT AT RATED VOLTAGE	85.1 A	
14. MINIMUM STARTING VOLTAGE	198 V	
15. EFFICIENCY AT 100% RATED LOAD	73.5 %	
16. POWER FACTOR AT 100% RATED LOAD	72.7 %	
17. STARTING TORQUE	240 %	
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 - 22	
4. RATED POWER	0.75 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	220 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	4.8 A	
13. STARTING CURRENT AT RATED VOLTAGE	26.4 A	
14. MINIMUM STARTING VOLTAGE	198 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 - 22	
4. RATED POWER	0.4 KW × 6 P	
5. RATED VOLTAGE AND FREQUENCY	220 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	3.2 A	
13. STARTING CURRENT AT RATED VOLTAGE	17.5 A	
14. MINIMUM STARTING VOLTAGE	198 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 - 22	
4. RATED POWER	0.75/0.25 KW × 4/12 P	
5. RATED VOLTAGE AND FREQUENCY	220 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	4.8 / 3.0 A	
13. STARTING CURRENT AT RATED VOLTAGE	26.4 / 16.5 A	
14. MINIMUM STARTING VOLTAGE	198 V	
15. EFFICIENCY AT 100% RATED LOAD	65 / 48 %	
16. POWER FACTOR AT 100% RATED LOAD	63 / 46 %	
17. STARTING TORQUE	249 / 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	