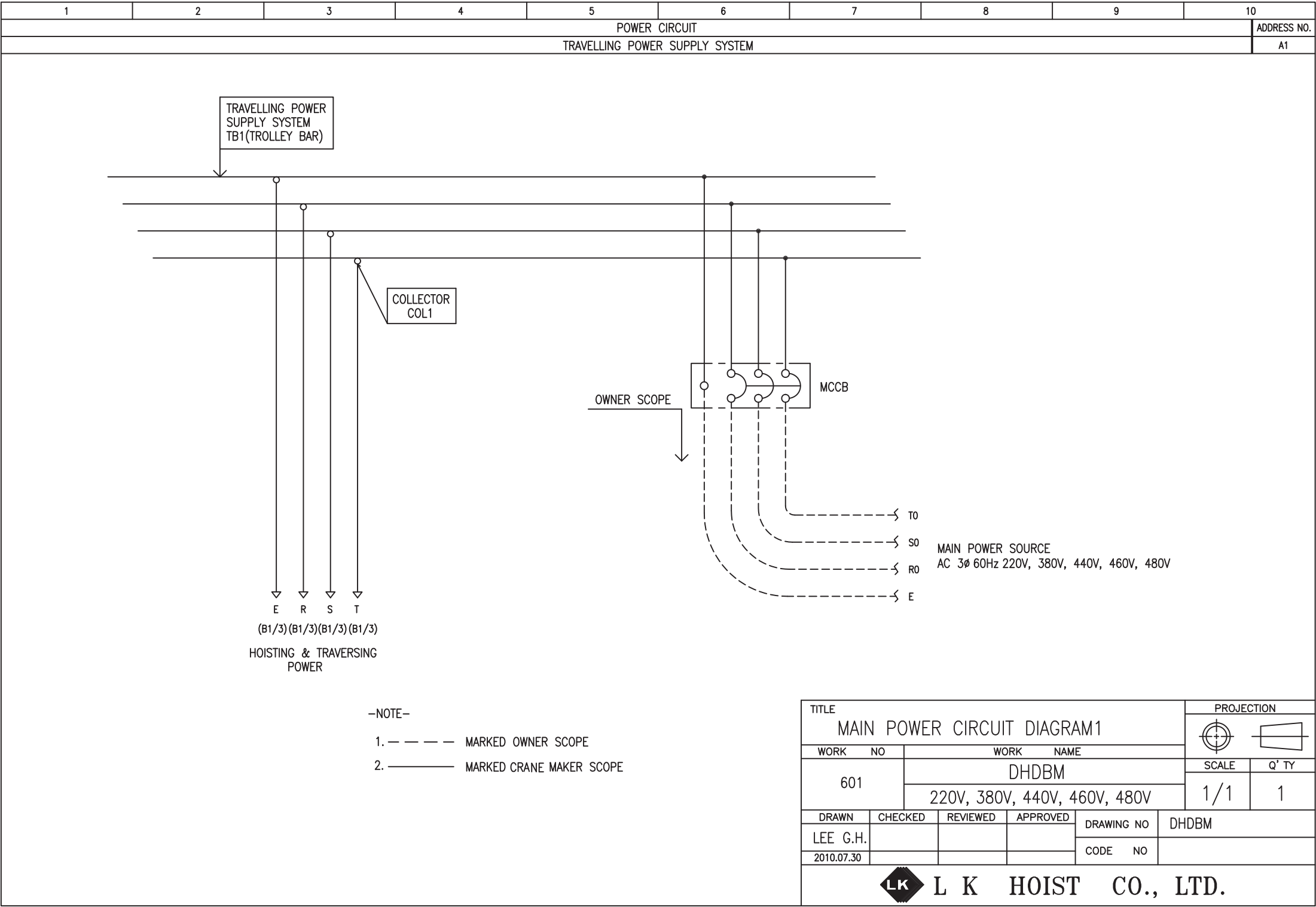
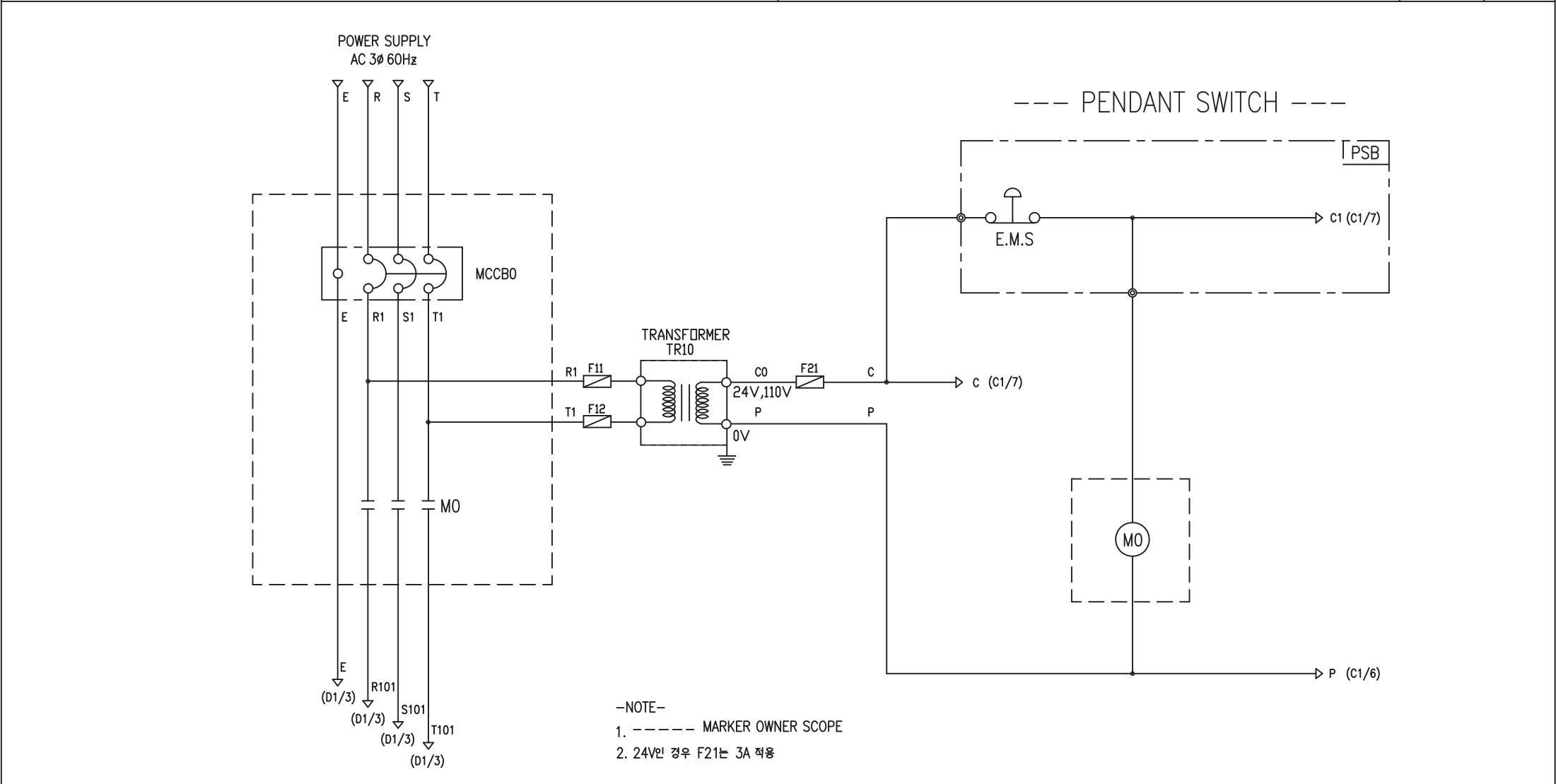


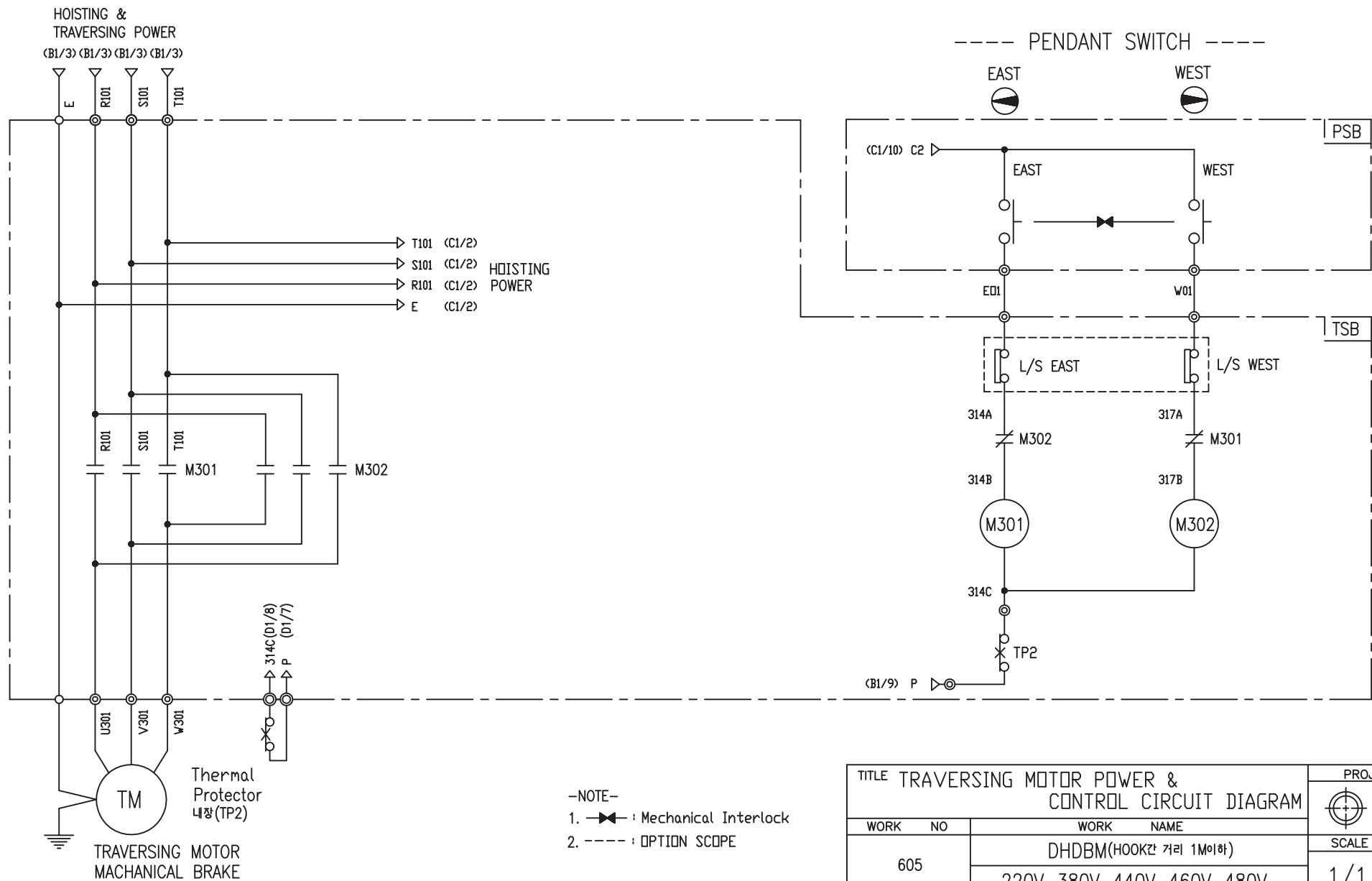


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POWER CIRCUIT					CONTROL CIRCUIT				ADDRESS NO. B1

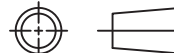


HOISTING & TRAVERSING POWER						<table><tr><td colspan="4">TITLE</td><td colspan="2">MAIN POWER & CONTROL CIRCUIT DIAGRAM</td><td colspan="2">PROJECTION</td></tr><tr><td colspan="2">WORK NO</td><td colspan="4">WORK NAME</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2" rowspan="2">602</td><td colspan="4">DHDBM</td><td colspan="2">SCALE</td><td colspan="2">Q' TY</td></tr><tr><td colspan="4">220V, 380V, 440V, 460V, 480V</td><td colspan="2">1/1</td><td colspan="2">1</td></tr><tr><td colspan="2">DRAWN</td><td colspan="2">CHECKED</td><td colspan="2">REVIEWED</td><td colspan="2">APPROVED</td><td colspan="2">MODEL</td><td colspan="2">DHDBM</td></tr><tr><td colspan="2">LEE.G.H</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">2010.07.30</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">CODE NO</td><td colspan="2"></td></tr><tr><td colspan="12">  L K HOIST CO., LTD. </td></tr></table>						TITLE				MAIN POWER & CONTROL CIRCUIT DIAGRAM		PROJECTION		WORK NO		WORK NAME								602		DHDBM				SCALE		Q' TY		220V, 380V, 440V, 460V, 480V				1/1		1		DRAWN		CHECKED		REVIEWED		APPROVED		MODEL		DHDBM		LEE.G.H												2010.07.30								CODE NO				 L K HOIST CO., LTD.											
TITLE				MAIN POWER & CONTROL CIRCUIT DIAGRAM		PROJECTION																																																																																									
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2010.07.30								CODE NO																																																																																							
 L K HOIST CO., LTD.																																																																																															
SPECIFICATION	NO FUSE BREAKER	MAGNET CONTACT		TRANSFORMER	FUSE																																																																																										
SYMBOLS	MCCB0	M0		TR10	F11, F12, F21																																																																																										
DESCRIPTION	220V	30A	GMC22	DMC22	30VA	1A																																																																																									
	380V	20A																																																																																													
	440V	20A																																																																																													
	460V	20A																																																																																													
	480V	15A																																																																																													
MAKER	LS	LS	DONGA	LK	—																																																																																										

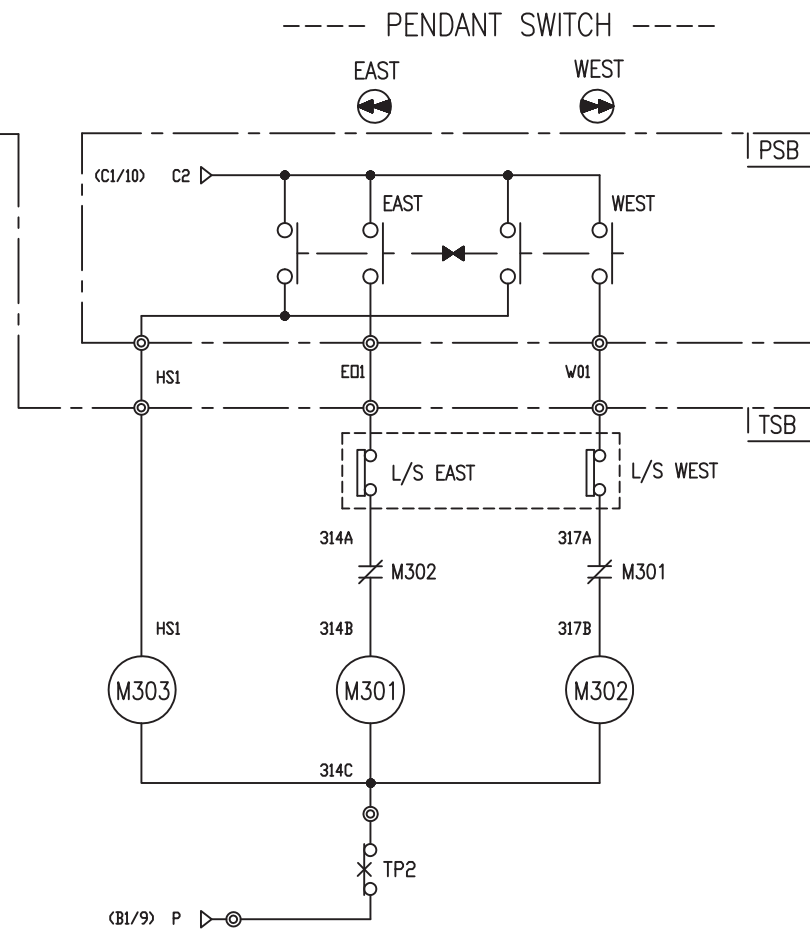
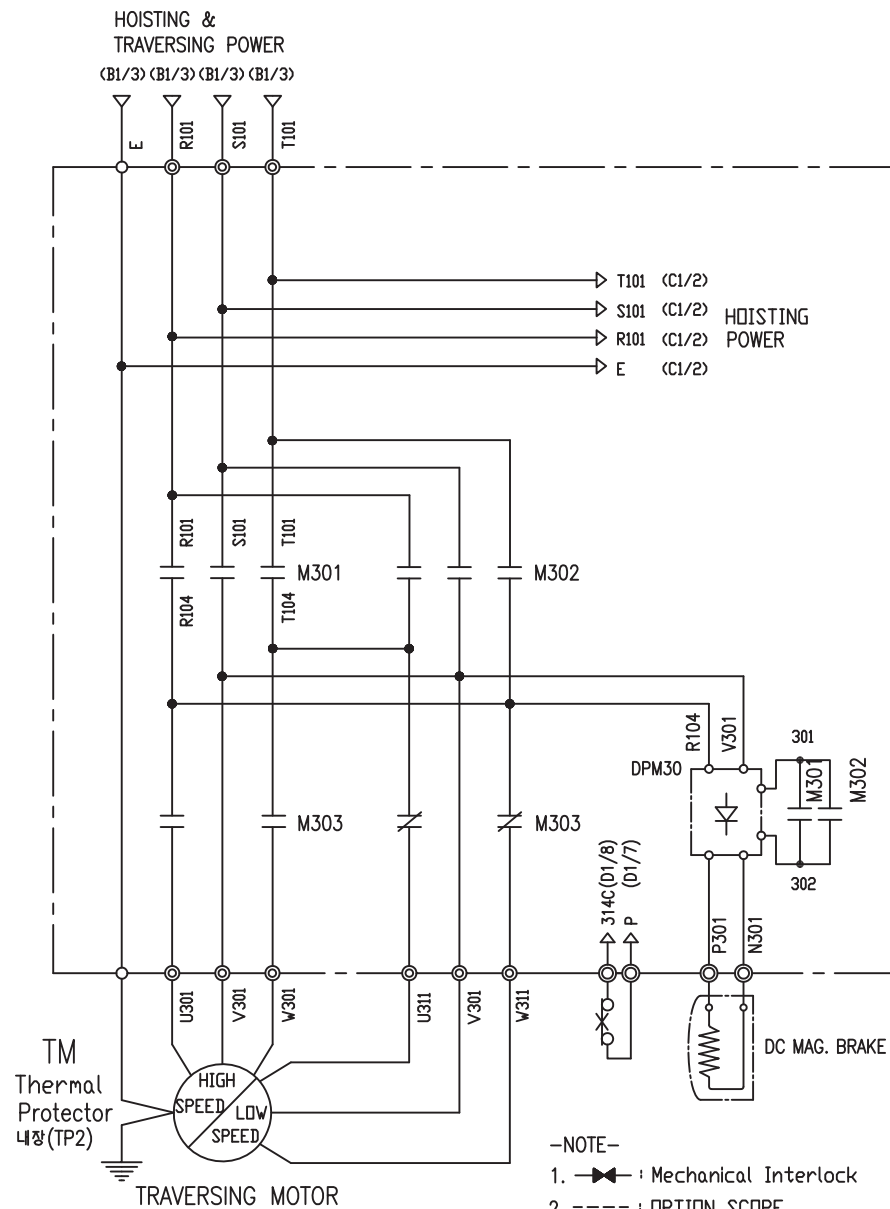
1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1

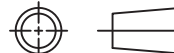


SPECIFICATION	MAGNET CONTACT		Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M301, M302		TP2	TM	
DESCRIPTION	GMC12	DMC12	17AM032	0.4KW *4P	0.3KW *6P
MAKER	LS	DONGA	Texas Instruments	LK	

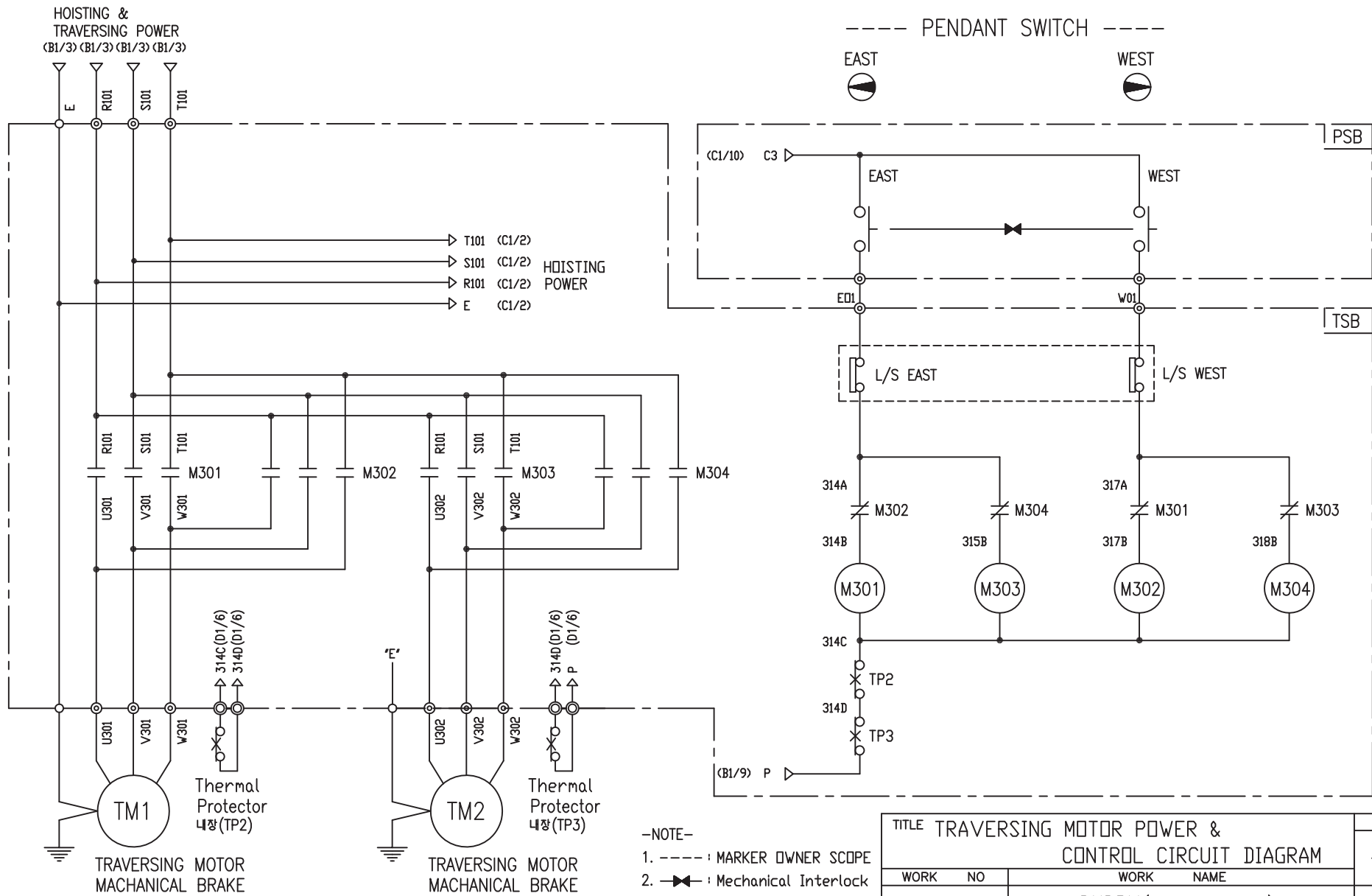
TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM					PROJECTION 	
WORK	NO	WORK NAME				
605		DHDBM(HOOK간 거리 1M이하)			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			1/1	1
DRAWN	CHECKED	REVISED	APPROVED	MODEL	DHDBM	
LEE.G.H				CODE NO		
2010.07.30						
 L K HOIST CO., LTD.						

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



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

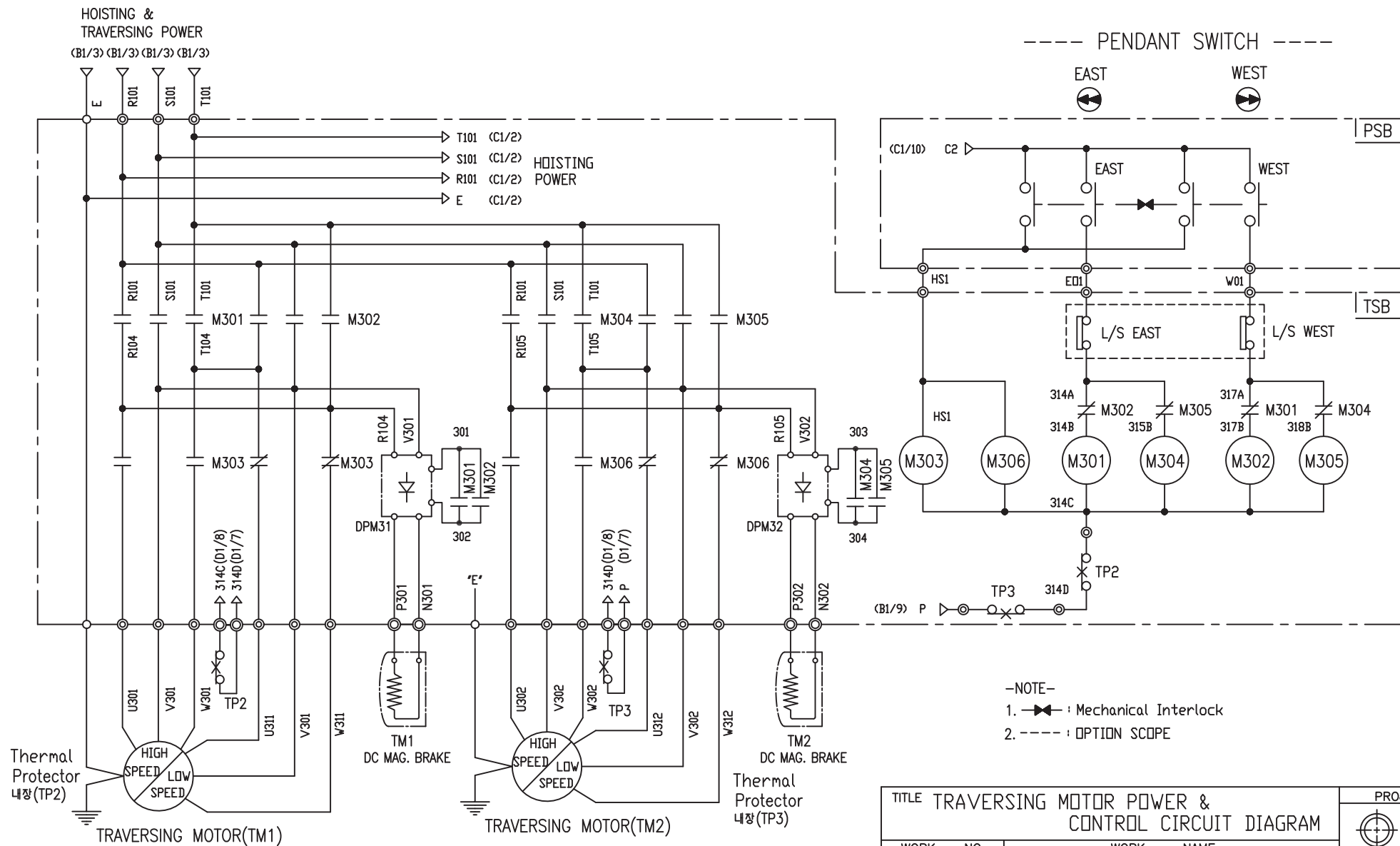
1	2	3	4	5	6	7	8	9	10		
TRAVERSING POWER CIRCUIT					TRAVERSING CONTROL CIRCUIT					ADDRESS NO.	D1



SPECIFICATION	MAGNET CONTACT		Thermal Protector	TRAVERSING MOTOR	
SYMBOLS	M301, M302, M303, M304		TP2, TP3	TM1, TM2	
DESCRIPTION	GMC12	DMC12	17AM032	0.4KW *4P(2set)	0.3KW *6P(2set)
MAKER	LS	DONGA	Texas Instruments	LK	

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM					PROJECTION 	
WORK	NO	WORK NAME				
607		DHDBM (HOOK인 커리 1M이상)			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			1/1	1
DRAWN	CHECKED	REVISED	APPROVED	MODEL	DHDAM	
LEE.G.H				CODE	NO	
2010.07.30						
 L K HOIST CO., LTD.						

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

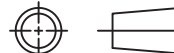


—NOTE—

1.  : Mechanical Interlock

2. ---- : OPTION SCOPE

SPECIFICATION	MAGNET CONTACT		Thermal Protector	SILICON RECTIFIER					TRAVERSING MOTOR
SYMBOLS	M301, M302, M303 M304, M305, M306		TP2, TP3	DPM31, DPM32					TM1, TM2
DESCRIPTION	GMC12	DMC12	17AM032	AC220V	AC380V	AC440V	AC460V	AC480V	0.4/0.14KW *4/12P (2set)
				DC99V	DC171V	DC198V	DC207V	DC216V	
MAKER	LS	DONGA	Texas Instruments	LK					LK

TITLE TRAVERSING MOTOR POWER & CONTROL CIRCUIT DIAGRAM					PROJECTION 	
WORK	NO	WORK NAME				
608		DHDBM (HOOK간 거리 1m이상)			SCALE	Q' TY
		220V, 380V, 440V, 460V, 480V			1/1	1
DRAWN	CHECKED	REVIEWED	APPROVED	MODEL	DHDAM	
LEE.G.H				CODE NO		
2010.07.30						
 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	1.8/0.7 - 2/6 - 46	
4. RATED POWER	1.8/0.7 KW × 2/6 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	3440/1140 RPM	
12. FULL LOAD CURRENT	5.7/2.0 A	
13. STARTING CURRENT AT RATED VOLTAGE	30/11 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	64/64 %	
16. POWER FACTOR AT 100% RATED LOAD	64/64 %	
17. STARTING TORQUE	235 %	
18. TYPE OF ENCLOSURE	전폐형	
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	0.4 - 4 - 46	
4. RATED POWER	0.4 KW × 4 P	
5. RATED VOLTAGE AND FREQUENCY	460 V	60HZ
6. ROTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1710 RPM	
12. FULL LOAD CURRENT	1.43 A	
13. STARTING CURRENT AT RATED VOLTAGE	6.6 A	
14. MINIMUM STARTING VOLTAGE	405 V	
15. EFFICIENCY AT 100% RATED LOAD	59 %	
16. POWER FACTOR AT 100% RATED LOAD	59.5 %	
17. STARTING TORQUE	249 %	
18. TYPE OF ENCLOSURE	전폐형	
19. TYPE OF BEARING	PL : 6202DD OPL : 6004ZZ	
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	0.3 - 6 - 46	
4. RATED POWER	0.3 KW × 6 P	
5. RATED VOLTAGE AND FREQUENCY	460 V 60HZ	
6. ROTOR TYPE	SQUIRREL CAGE ROTOR TYPE	
7. RATING	15 MIN	
8. LOCATION	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1140 RPM	
12. FULL LOAD CURRENT	1.4 A	
13. STARTING CURRENT AT RATED VOLTAGE	7.66 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	53 %	
16. POWER FACTOR AT 100% RATED LOAD	51 %	
17. STARTING TORQUE	249 %	
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	0.4/0.14 - 4/12 - 46	
4. RATED POWER	0.4/0.14 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	IN-DOOR , OUTDOOR	
9. INSULATION CLASS	B	
10. DESIGN TEMPERATURE RISE (BY RESISTANCE)	100℃	
11. FULL LOAD SPEED	1710 / 550 RPM	
12. FULL LOAD CURRENT	1.43 / 0.94 A	
13. STARTING CURRENT AT RATED VOLTAGE	7.1 / 4.7 A	
14. MINIMUM STARTING VOLTAGE	414 V	
15. EFFICIENCY AT 100% RATED LOAD	62 / 49 %	
16. POWER FACTOR AT 100% RATED LOAD	56.5 / 41 %	
17. STARTING TORQUE	230 / 231 %	
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	