제 2014 - 5951 호

안 전 인 증 서

(사업장명) 극동호이스트(주)

(소 재 지)(425-833)경기도 안산시 성곡동 630-2 반월공단 B-607-14

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목

호이스트

형식,모델(용량,등급)/인증번호

KD0.5-M (0.5Ton) /14-AQ2AC-00116

인 증 기 준

고용노동부 고시 제2012 - 33호 (위험기계,기구 의무안전인증 고시)

인 증 조 건

2014년 01월 14일

한국산업안전보건공단이사장

심사결과 통지서

신청인	사업장명	극동호이스트(주)	사업장관리번호	134-81-013350
	사업자등록번호	134-81-01335	대표자 성명	최성찬
	소재지	(425 - 833) 경기도 안산시 성곡동630-2 반월공단 B-607-14		

안전인증대상 기계·기구명	호이스트		
형 식 (규 격)	KD0.5-M	용 량 (등 급)	0.5 Ton

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한

[ ] 예비심사

[√] 서면심사

[ ] 기술능력 및 생산체계 심사

[ ] 개별 제품심사

[ ] 개별 제품심사(제작중)

[ ] 형식별 제품심사

결과가 [√] 적 합 [ ] 부적합 함을 통지합니다.

2014년 01월 07일

인증심사원 강성두 변명수 (서명 또는 인)

한국산업안전보건공단 경기서부지도원장

서 면 심 사 서 류

형식 번호 : KD0.5 - M

극 동 호 이 스트 (주)

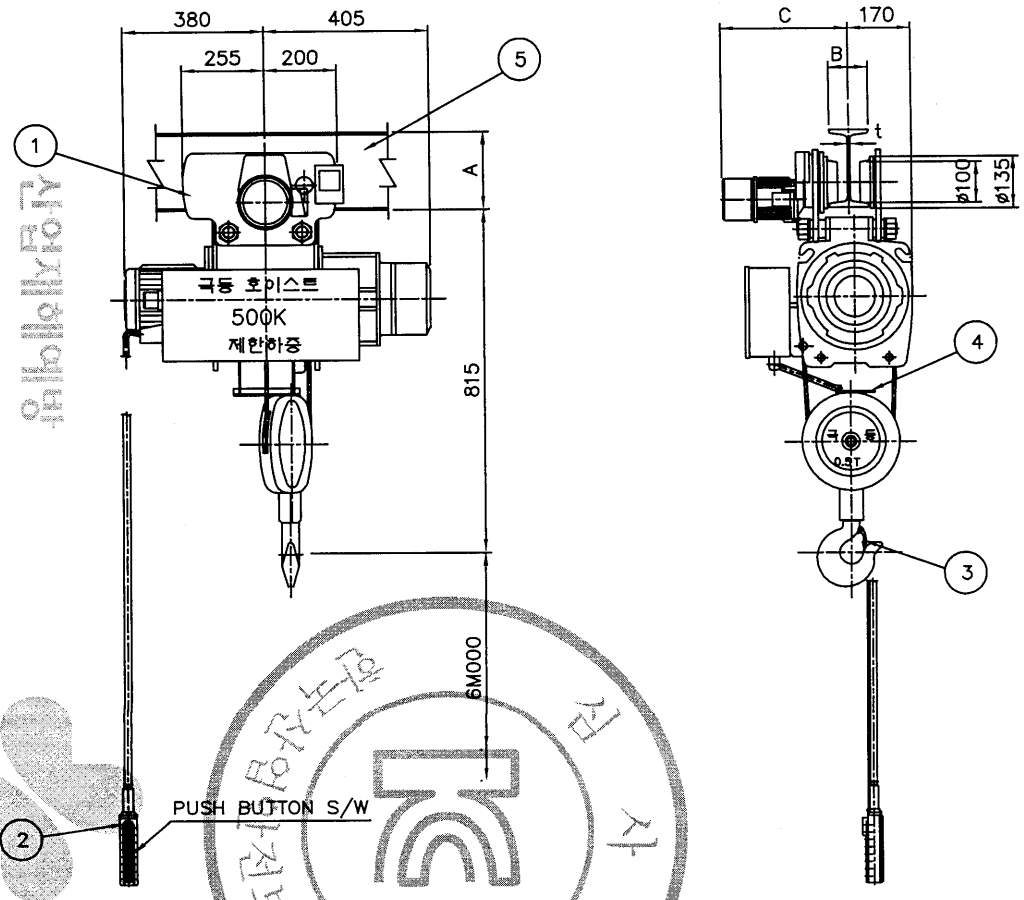
工場 : 경기도 안산시 단원구 성곡동 630-2 반월공단607-14

電話 : 031) 491 - 5311

FAX : 031) 494 - 5315

동 일 형 식 일 람 표

사업장명	극동호이스트㈜	개정일자 및 번호	2013년 12월 20일	인증번호	
형식 및 모델		동일 형식 인정범위 및 내역			비 고
형식	모델	권상속도(m/min)	횡행속도(m/min)	양정(m)	횡행방식	
KD0.5-M	KD0.5-L6-M	고속:12M/MIN 저속:6M/MIN	고속:24M/MIN 저속:16M/MIN	6	모터구동식	
	KD0.5-L9-M			9		
	KD0.5-L12-M			12		
	KD0.5-L18-M			18		
	KD0.5-L24-M			24		횡행모터 2Unit
	KD0.5-L30-M			30		횡행모터 2Unit

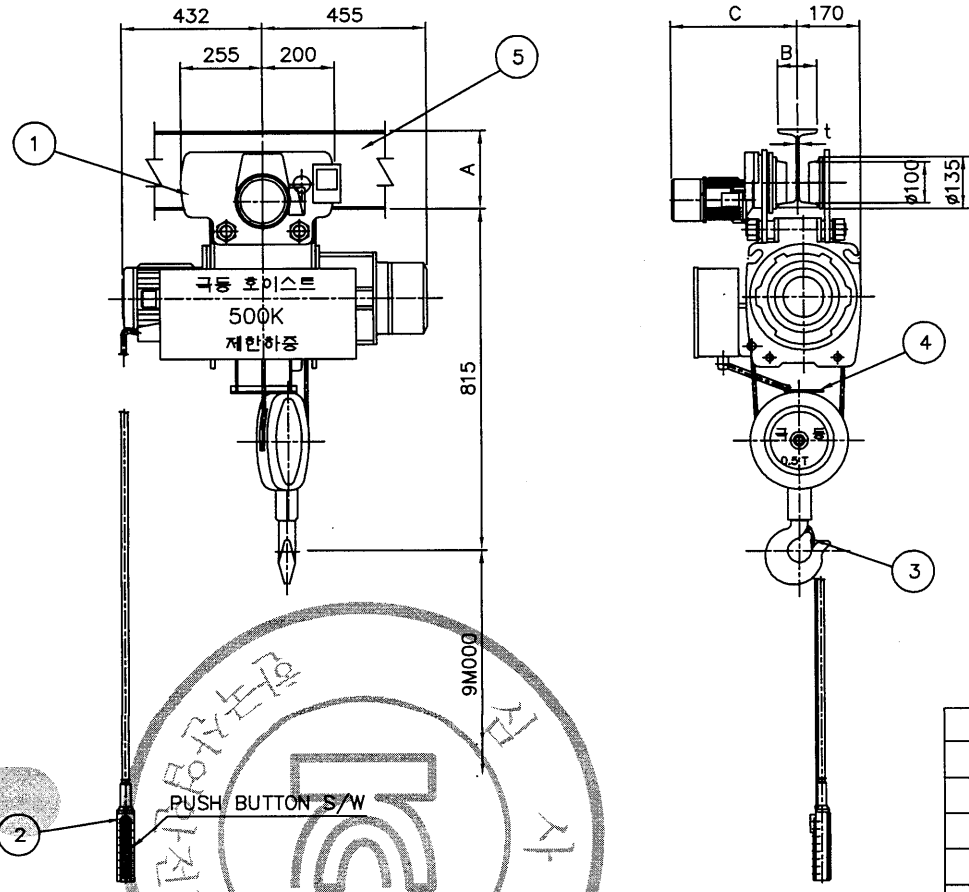


SPECIFICATION			
HOISTING LOAD			500 KG
TESTING LOAD			625 KG
LIFT			6 M
RATING			30 MIN
HOISTING	HIGH	SPEED	12 M/MIN
		MOTOR	2.4 KW x 4 P
	LOW	SPEED	6 M/MIN
		MOTOR	1.2 KW x 8 P
TRAVERSING	HIGH	SPEED	24 M/MIN
		MOTOR	0.4 KW x 4 P
	LOW	SPEED	16 M/MIN
		MOTOR	0.2 KW x 6 P
WIRE ROPE			(6X37) ø8 x 2 FALLS
POWER SOURCE			AC3ø 220V(380,440,460,480)60HZ
COLOR			10 B 3/5
WEIGHT			190 KG

TRAVERSING I – BEAM A x B x t	Ix (Cm^4)	Zx (Cm^3)	SUPPORT LENGTH	C
I 200 x 100 x 7	2180	218	MAX. 4.9M	395
I 250 x 125 x 7.5	5180	414	MAX. 7.6M	407.5
I 300 x 150 x 10	12700	849	MAX. 11.1M	420
I 350 x 150 x 9	15200	870	MAX. 11.8M	420
I 400 x 150 x 10	24100	1200	MAX. 12.6M	420

NO.	DESCRIPTIONS	MT'L	SET QT'Y	SET	UNIT WEIGHT KG.	TOTAL WEIGHT KG.	REAMERKS
5	I-BEAM	SS400		—			TABLE 참조
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	EMERGENCY S/W	—		1			
1	LOAD LIMITER	—		1			

PROJECT		DATE
		20 . . .
TITLE	KD0.5 – L6 – M ARRANGEMENT DRAWING FOR HOIST	SCALE A3/20 /
DRAWN / DESIGNED / CHECKED / APPROVED		REF DRAWING
국동호이스트 주식회사 KUK DONG HOIST CO., LTD.	SHEET NO.	DRAWING NO. KD05M6000

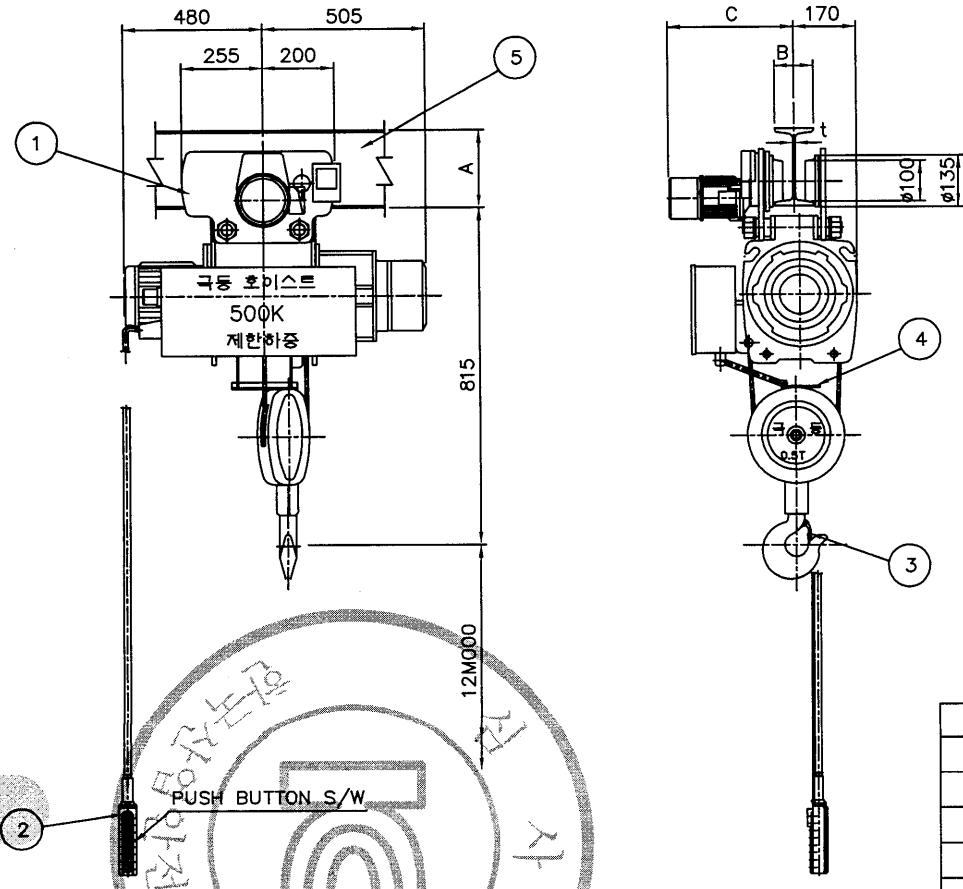


SPECIFICATION			
HOISTING LOAD			500 KG
TESTING LOAD			625 KG
LIFT			9 M
RATING			30 MIN
HOISTING	HIGH	SPEED	12 M/MIN
		MOTOR	2.4 KW x 4 P
	LOW	SPEED	6 M/MIN
		MOTOR	1.2 KW x 8 P
TRAVERSING	HIGH	SPEED	24 M/MIN
		MOTOR	0.4 KW x 4 P
	LOW	SPEED	16 M/MIN
		MOTOR	0.2 KW x 6 P
WIRE ROPE			(6X37) ø8 x 2 FALLS
POWER SOURCE			AC3ø 220V(380,440,460,480)60HZ
COLOR			10 B 3/5
WEIGHT			210 KG

TRAVERSING I – BEAM A x B x t	Ix (Cm^4)	Zx (Cm^3)	SUPPORT LENGTH	C
I 200 x 100 x 7	2170	218	MAX. 4.9M	395
I 250 x 125 x 7.5	5180	414	MAX. 7.6M	407.5
I 300 x 150 x 10	12700	849	MAX. 11.1M	420
I 350 x 150 x 9	15200	870	MAX. 11.8M	420
I 400 x 150 x 10	24100	1200	MAX. 12.6M	420

NO.	DESCRIPTIONS	MT'L	SET QT'Y	SET	UNIT WEIGHT KG.	TOTAL	REAMERKS
5	I-BEAM	SS400		—			TABLE 참조
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	EMERGENCY S/W	—		1			
1	LOAD LIMITER	—		1			

PROJECT		DATE
		20 . . .
TITLE	KD0.5 – L9 – M ARRANGEMENT DRAWING FOR HOIST	SCALE A3/20 /
DRAWN / DESIGNED / CHECKED / APPROVED		REF DRAWING
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.	SHEET NO.	DRAWING NO. KD05M900

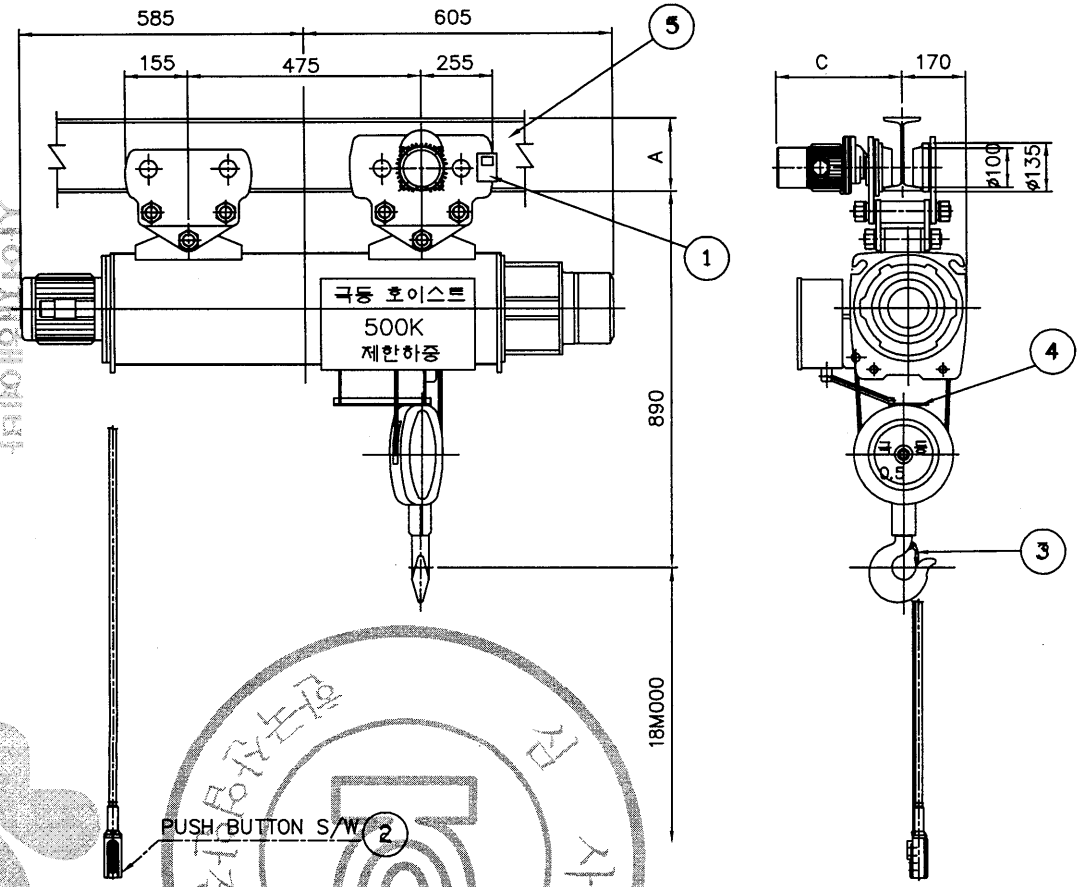


SPECIFICATION			
HOISTING LOAD			500 KG
TESTING LOAD			625 KG
LIFT			12 M
RATING			30 MIN
HOISTING	HIGH	SPEED	12 M/MIN
		MOTOR	2.4 KW x 4 P
	LOW	SPEED	6 M/MIN
		MOTOR	1.2 KW x 8 P
TRAVERSING	HIGH	SPEED	24 M/MIN
		MOTOR	0.4 KW x 4 P
	LOW	SPEED	16 M/MIN
		MOTOR	0.2 KW x 6 P
WIRE ROPE			(6X37) ø8 x 2 FALLS
POWER SOURCE			AC3ø 220V(380,440,460,480)60HZ
COLOR			10 B 3/5
WEIGHT			220 KG

TRAVERSING I - BEAM A x B x t	Ix (Cm^4)	Zx (Cm^3)	SUPPORT LENGTH	C
I 200 x 100 x 7	2170	218	MAX. 4.9M	395
I 250 x 125 x 7.5	5180	414	MAX. 7.6M	407.5
I 300 x 150 x 10	12700	849	MAX. 11.1M	420
I 350 x 150 x 9	15200	870	MAX. 11.8M	420
I 400 x 150 x 10	24100	1200	MAX. 12.6M	420

NO.	DESCRIPTIONS	MT'L	SET QT'Y	SET	UNIT WEIGHT KG.	TOTAL	REAMERKS
5	I-BEAM	SS400		—			TABLE 참조
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	EMERGENCY S/W	—		1			
1	LOAD LIMITER	—		1			

PROJECT		DATE
		20 . . .
TITLE	KD0.5 - L12 - M ARRANGEMENT DRAWING FOR HOIST	SCALE A3/20 /
DRAWN / DESIGNED / CHECKED / APPROVED		REF DRAWING
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.	SHEET NO.	DRAWING NO. KD05M1200



SPECIFICATION			
HOISTING LOAD			500 KG
TESTING LOAD			625 KG
LIFT			18 M
RATING			30 MIN
HOISTING	HIGH	SPEED	12 M/MIN
		MOTOR	2.4 KW x 4 P
	LOW	SPEED	6 M/MIN
		MOTOR	1.2 KW x 8 P
TRAVERSING	HIGH	SPEED	24 M/MIN
		MOTOR	0.4 KW x 4 P
	LOW	SPEED	16 M/MIN
		MOTOR	0.2 KW x 6 P
WIRE ROPE			(6X37) ø8 x 2 FALLS
POWER SOURCE			AC3ø 220V(380,440,460,480)60HZ
COLOR			10 B 3/5
WEIGHT			280 KG

TRAVERSING I-BEAM A x B x t	Ix (Cm^4)	Zx (Cm^3)	SUPPORT LENGTH	C
I 200 x 100 x 7	2170	218	MAX. 4.9M	395
I 250 x 125 x 7.5	5180	414	MAX. 7.6M	407.5
I 300 x 150 x 10	12700	849	MAX. 11.1M	420
I 350 x 150 x 9	15200	870	MAX. 11.8M	420
I 400 x 150 x 10	24100	115	MAX. 12.6M	420

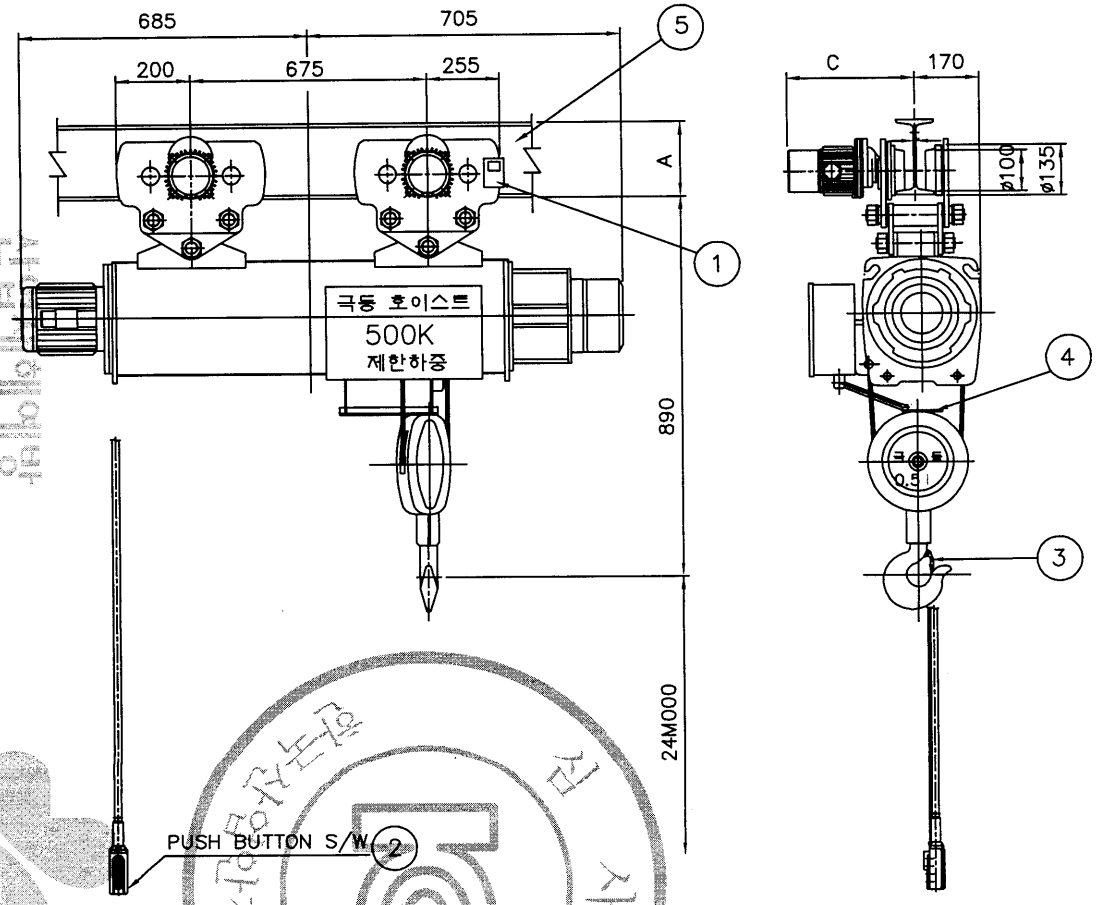
NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.
5	I-BEAM	SS400		-			TABLE 참조
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	PENDANT S/W	-		1			
1	LOAD LIMITER	-		1			

PROJECT				DATE	DIM
					mm
TITLE	KD0.5 – L18– M ARRANGEMENT DRAWING FOR HOIST			SCALE A3/20	PROJECTION 3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REP. DRAWING	

KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.

SHEET No.

DWG No. KD05M1800



SPECIFICATION			
HOISTING LOAD			500 KG
TESTING LOAD			625 KG
LIFT			24 M
RATING			30 MIN
HOISTING	HIGH	SPEED	12 M/MIN
		MOTOR	2.4 KW x 4 P
	LOW	SPEED	6 M/MIN
		MOTOR	1.2 KW x 8 P
TRAVERSING	HIGH	SPEED	24 M/MIN
		MOTOR	0.4 KW x 4 P (2UNIT)
	LOW	SPEED	16 M/MIN
		MOTOR	0.2 KW x 6 P (2UNIT)
WIRE ROPE			(6X37) ø8 x 2 FALLS
POWER SOURCE			AC3ø 220V(380,440,460,480)60HZ
COLOR			10 B 3/5
WEIGHT			300 KG

TRAVERSING I-BEAM A x B x t	Ix (Cm^4)	Zx (Cm^3)	SUPPORT LENGTH	C
I 200 x 100 x 7	2170	218	MAX. 4.9M	395
I 250 x 125 x 7.5	5180	414	MAX. 7.6M	407.5
I 300 x 150 x 10	12700	849	MAX. 11.1M	420
I 350 x 150 x 9	15200	870	MAX. 11.8M	420
I 400 x 150 x 10	24100	1200	MAX. 12.6M	420

NO.	DESCRIPTION	MT'L	SUB QT'Y	TOTAL QT'Y	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.
5	I-BEAM	SS400		–			TABLE 참조
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	PENDANT S/W	–		1			
1	LOAD LIMITER	–		1			

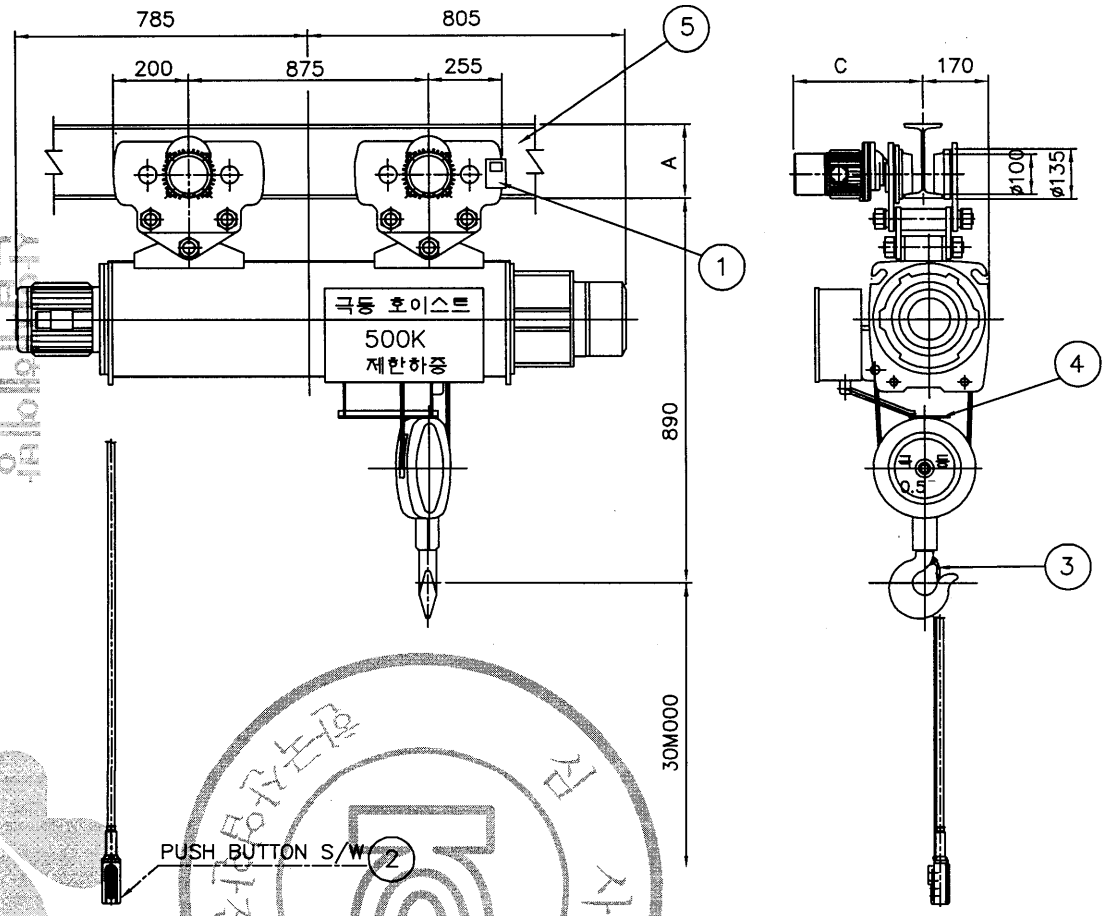
PROJECT		DATE	DIM
			mm
TITLE	KD0.5 – L24 – M ARRANGEMENT DRAWING FOR HOIST	SCALE A3/20	PROJECTION 3rd

DRAWN	DESIGNED	CHECKED	APPROVED	REP. DRAWING

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

SHEET No.

DWG No. KD05M2400



SPECIFICATION			
HOISTING LOAD			500 KG
TESTING LOAD			625 KG
LIFT			30 M
RATING			30 MIN
HOISTING	HIGH	SPEED	12 M/MIN
		MOTOR	2.4 KW x 4 P
	LOW	SPEED	6 M/MIN
		MOTOR	1.2 KW x 8 P
TRAVERSING	HIGH	SPEED	24 M/MIN
		MOTOR	0.4 KW x 4 P (2UNIT)
	LOW	SPEED	16 M/MIN
		MOTOR	0.2 KW x 6 P (2UNIT)
WIRE ROPE			(6X37) ø8 x 2 FALLS
POWER SOURCE			AC3ø 220V(380,440,460,480)60HZ
COLOR			10 B 3/5
WEIGHT			320 KG

TRAVERSING I - BEAM A x B x t	Ix (Cm^4)	Zx (Cm^3)	SUPPORT LENGTH	C
I 200 x 100 x 7	2170	218	MAX. 4.9M	395
I 250 x 125 x 7.5	5180	414	MAX. 7.6M	407.5
I 300 x 150 x 10	12700	849	MAX. 11.1M	420
I 350 x 150 x 9	15200	870	MAX. 11.8M	420
I 400 x 150 x 10	24100	1200	MAX. 12.6M	420

NO.	DESCRIPTION	MT'L	SUB QT'Y	TOTAL QT'Y	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.
5	I-BEAM	SS400		-			TABLE 참조
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	PENDANT S/W	-		1			
1	LOAD LIMITER	-		1			

PROJECT		DATE	DIM
			mm
TITLE	KD0.5 - L30 - M ARRANGEMENT DRAWING FOR HOIST	SCALE A3/20	PROJECTION 3rd
DRAWN	DESIGNED / CHECKED / APPROVED	REP. DRAWING	

극동호이스트 주식회사 KUK DONG HOIST CO., LTD.	SHEET No.	DWG No. KD05M3000

출력물 제 외 배포금지

1) 기　　계

2) 전　　기

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

ADR'S NO.

ELECTRICAL SYMBOL LIST

DESCRIPTION	SYMBOLS
3 PHASE SQUIRREL CAGE ROTOR INDUCTION MOTOR	IM
3 PHASE WOUND ROTOR INDUCTION MOTOR	
DC. MAG. BRAKE DISK TYPE	
THRUSTOR BRAKE	B-TH
AC-DC MAG. BRAKE	B-MD
SC BRAKE	B-SC
EC BRAKE	B-EC
RECTIFIER	
LOAD LIMITER ELECTRICAL TYPE	
ELECTRONIC OVER CURRENT RELAY	

DESCRIPTION	SYMBOLS
NO FUSE BREAKER 2 PHASE	
NO FUSE BREAKER 3 PHASE	
EARTH LEAKAGE BREAKER 2 PHASE	
EARTH LEAKAGE BREAKER 3 PHASE	
TRANSFORMER	
CURRENT TRANSFORMER	
POTENTIAL TRANSFORMER	
FUSE	
FUSE WITH CONTACTOR	
THYRISTOR UNIT	

DESCRIPTION	SYMBOLS	
	MAKE	BREAK
MAGNETIC & RELAY CONTACTOR		
ON DELAY TIME CONTACTOR		
OFF DELAY TIME CONTACTOR		
EOCR OR THERMAL RELAY CONTACTOR		
THERMOSTAT		
LIMIT SWITCH		
PUSHBUTTON SWITCH		
EMERGENCY PUSHBUTTON SWITCH		
KEY SWITCH		
FOOT SWITCH		

DESCRIPTION	SYMBOLS	
	MAKE	BREAK
PUSHBUTTON SWITCH 1BUTTON 2STEP TYPE		
TOGGLE SWITCH OR SELLECTOR SWITCH		

MK	DATE	REVISIONS	CHK.	APP.
⚠				
⚠				
⚠				
⚠				

CUSTOMER

DRAWING TITLE: SYMBOL LIST 1/2

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KDSM0001

ADR'S NO.

ELECTRICAL SYMBOL LIST

DESCRIPTION	SYMBOLS
WIRE INTERNAL TO ENCLOSURE	
WIRE EXTERNAL TO ENCLOSURE	
WIRE NOT CONNECTED	
WIRE CONNECTED	
TERMINAL	
GROUND (EARTH)	
PLUG & RECEPTACLE	
MAGNETIC CONTACTOR COIL	M
AUX. RELAY COIL	CR
TIMER COIL	T

DESCRIPTION	SYMBOLS
CONTROLLER OR REMOTE CONTROLLER CONTACTOR	
UPPER LIMIT SWITCH (LS-II)	
THERMAL RELAY	
PILOT(SIGNAL) LAMP	
ROTARY LAMP	
WARING SIREN	
BUZZER	
AMMETER	A AC / A DC
VOLT METER	V AC / V DC
FLUORENCE LAMP	

DESCRIPTION	SYMBOLS
SOLENOID COIL	
RESISTER	
VARIABLE RESISTOR	
SLIP RING	
CABLE REEL	
SPACE HEATER	
SURGE ABSORBER	
LOAD CELL	
BALLAST WITH RECEPTACLE	
FAN	

DESCRIPTION	SYMBOLS
FLOOD LIGHTING	
RECEPTACLE	

MK	DATE	REVISIONS	CHK.	APP.
4				
3				
2				
1				

CUSTOMER

DRAWING TITLE: SYMBOL LIST 2/2

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KDSM0002

ELECTRICAL SPECIFICATION

. POWER SOURCE : AC 3Φ 220V, 380V, 440V ,460V,480V 60Hz
. CONTROL SOURCE : AC 1Φ 110V ,120V 60Hz

OBJECT		MOTOR OUTPUT	220V		380V		440V	460V	480V	440,460,480V	BRAKE	REMARK
			STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
MAIN HOIST	HIGH	2.4KW x 4P 30 MIN	10.00 A	4.0 sq	5.60 A	4.0 sq	5.0 A	4.8 A	4.6 A	4.0 sq	DC MAG. BRAKE	
	MIDDLE	1.8KW x 6P 30 MIN	8.60 A	4.0 sq	5.40 A	4.0 sq	4.4 A	4.2 A	4.0 A	4.0 sq	DC MAG. BRAKE	
	LOW	1.2KW x 8P 30 MIN	8.00 A	4.0 sq	4.60 A	4.0 sq	4.0 A	3.8 A	3.6 A	4.0 sq	DC MAG. BRAKE	
TRAVERSING	HIGH	0.4KW x 4P 30 MIN	2.70 A	4.0 sq	1.60 A	4.0 sq	1.40 A	1.30 A	1.20 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
	LOW	0.2KW x 6P 30 MIN	2.00 A	4.0 sq	1.20 A	4.0 sq	1.00 A	1.00 A	0.90 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
CONTROL CIRCUIT			2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq		
LIGHTING & ACC'Y CIRCUIT												
SUB TOTAL (NORMAL LOAD)	HIGH		14.00 A	4.0 sq	8.80 A	4.0 sq	8.00 A	7.80 A	7.50 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	
	MIDDLE		12.60 A	4.0 sq	8.60 A	4.0 sq	7.40 A	7.20 A	6.90 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	
	LOW		12.00 A	4.0 sq	7.80 A	4.0 sq	7.00 A	6.80 A	6.50 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	
SUB TOTAL (PEAK LOAD)	HIGH		14.70 A	-	9.20 A	-	8.40 A	8.10 A	7.80 A	-	I(A)=M/H + T/S + ASS'Y	
	MIDDLE		13.30 A	-	9.00 A	-	7.80 A	7.50 A	7.20 A	-	I(A)=M/H + T/S + ASS'Y	
	LOW		12.70 A	-	8.20 A	-	7.40 A	7.10 A	6.80 A	-	I(A)=M/H + T/S + ASS'Y	

*. 위 계산은 HIGH(MAX.)일때와 LOW(MIN.)일때만 계산한것임.

*. 위 계산은 LIFT 6M, 9M, 12M, 18M 에 적용.

ELECTRICAL SPECIFICATION

. POWER SOURCE : AC 3Φ 220V, 380V, 440V ,460V,480V 60Hz
. CONTROL SOURCE : AC 1Φ 110V ,120V 60Hz

OBJECT		MOTOR OUTPUT	220V		380V		440V	460V	480V	440,460,480V	BRAKE	REMARK
			STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
MAIN HOIST	HIGH	2.4KW x 4P 30 MIN	10.00 A	4.0 sq	5.60 A	4.0 sq	5.0 A	4.8 A	4.6 A	4.0 sq	DC MAG. BRAKE	
	MIDDLE	1.8KW x 6P 30 MIN	8.60 A	4.0 sq	5.40 A	4.0 sq	4.4 A	4.2 A	4.0 A	4.0 sq	DC MAG. BRAKE	
	LOW	1.2KW x 8P 30 MIN	8.00 A	4.0 sq	4.60 A	4.0 sq	4.0 A	3.8 A	3.6 A	4.0 sq	DC MAG. BRAKE	
TRAVERSING	HIGH	0.4KW x 4P 30 MIN	(2.7)*2	4.0 sq	(1.6)*2	4.0 sq	(1.4)*2	(1.3)*2	(1.2)*2	4.0 sq	DC MAG. BRAKE	2 DRIVE
	LOW	0.2KW x 6P 30 MIN	(2.0)*2	4.0 sq	(1.2)*2	4.0 sq	(1.0)*2	(1.0)*2	(0.9)*2	4.0 sq	DC MAG. BRAKE	2 DRIVE
CONTROL CIRCUIT			2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq		
LIGHTING & ACC'Y CIRCUIT												
SUB TOTAL (NORMAL LOAD)	HIGH		16.00 A	4.0 sq	10.00 A	4.0 sq	9.00 A	9.40 A	8.40 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	
	MIDDLE		14.60 A	4.0 sq	9.80 A	4.0 sq	8.40 A	8.20 A	7.80 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	
	LOW		14.00 A	4.0 sq	9.00 A	4.0 sq	8.00 A	7.80 A	7.40 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	
SUB TOTAL (PEAK LOAD)	HIGH		17.40 A	-	10.80 A	-	9.80 A	9.40 A	9.20 A	-	I(A)=M/H + T/S + ASS'Y	
	MIDDLE		16.00 A	-	10.60 A	-	9.20 A	8.80 A	8.60 A	-	I(A)=M/H + T/S + ASS'Y	
	LOW		15.40 A	-	9.00 A	-	8.80 A	8.40 A	8.20 A	-	I(A)=M/H + T/S + ASS'Y	

*. 위 계산은 HIGH(MAX.)일때와 LOW(MIN.)일때만 계산한것임.

*. 위 계산은 LIFT 24M, 30M에 적용.

▣ 보호본딩회로의 연속성 확인

시험전선의 최소유효 단면적(㎟)	최고 전압 강하(V)
1.0	3.3
1.5	2.6
2.5	1.9
4.0	1.4
>6.0	1.0

①보호본딩회로의 연속성의 검증은 PELV전원(50/60Hz)에서 최소 10A 이상의 전류를 10초 이상의 인가에 의한다. 시험은 PE단자와 보호본딩회로의 여러지점 사이에서 이루어진다.

②PE단자와 시험 지점 사이에서 측정된 전압은(표 참조) 값을 초과 해서는 아니된다.

▣ 절연저항 시험

전원선과 보호본딩선 사이를 직류 500V로 측정한 절연저항 값은 1MΩ 이상이어야 한다.

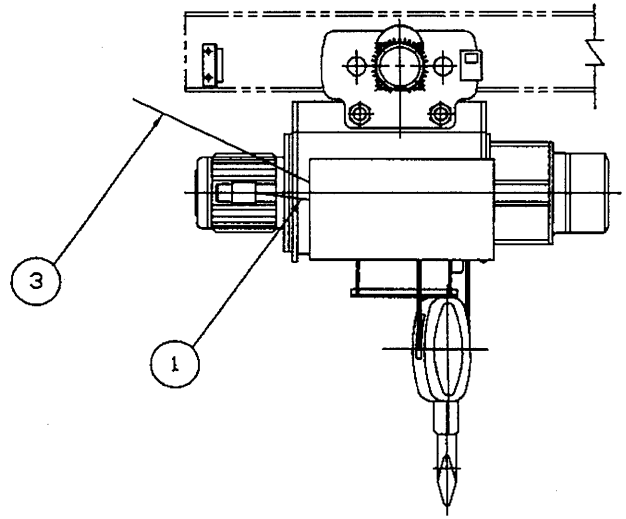
▣ 내전압 시험

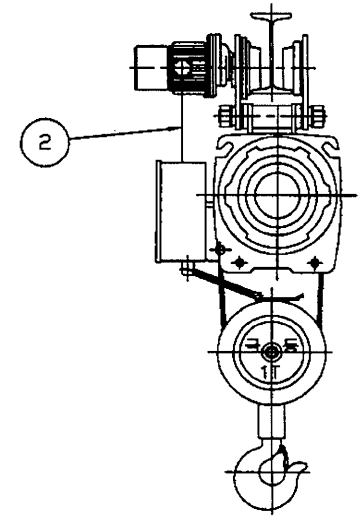
①PELV 전압에서 작동되도록 설계된 전기장치의 회로를 제외한 모든 회로와 보호본딩회로의 전선 사이에 1초 이상 지속되는 다음의 시험 전압에 견딜수 있어야 한다.

- 장치의 정격전압의 두배 또는 1,000V 중 큰값의 전압

②이 시험을 견딜수 없도록 설계된 부품은 시험이 진행되기 전에 차단하여야 한다.

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 6, 9, 12M)





본 도면은 EARTH를 명기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와의
EARTH용 CABLE은 REFERENCE임

*3종 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*특3 종 접지공사 10Ω 이하 (AC 3PH 400V 이상)

NO	CABLE TYPE	CABLE SIZE 220V	CABLE SIZE 380V	CABLE TYPE	CABLE SIZE 440V,460V,480V	REMARK
1	VCT	4.0sq	4.0sq	VCT	4.0sq	HOISTING MOTOR WITH EARTH
2	VCT	4.0sq	4.0sq	VCT	4.0sq	T/S MOTOR WITH EARTH
3	VFCT	4.0sq	4.0sq	VFCT	4.0sq	MAIN POWER WITH EARTH

등전위접지

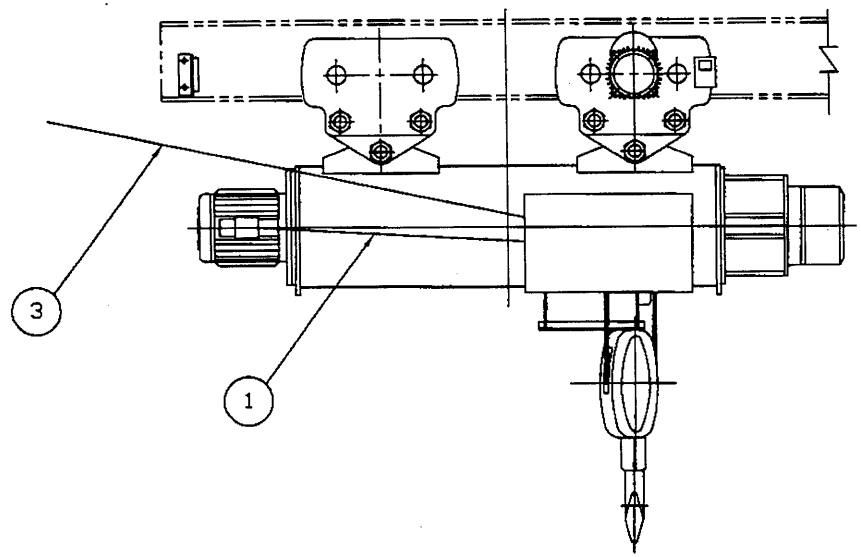
1. 전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야함.
2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

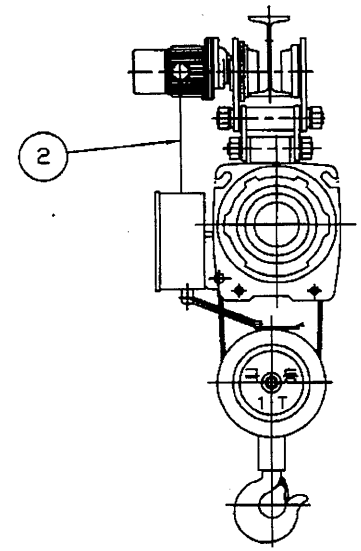
시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

MK	DATE	REVISIONS	CHK.	APP.
⚠4				
⚠3				
⚠2				
⚠1				

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	GROUND WIRE SYSTEM					NONE		
		KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD1E206	

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 18M)





본 도면은 EARTH를 명기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와의
EARTH용 CABLE은 REFERENCE임

*3종 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*특3 종 접지공사 10Ω 이하 (AC 3PH 400V 이상)

NO	TYPE	CABLE SIZE				REMARK
		220V	380V	TYPE	440V,460V,480V	
1	VCT	4.0sq	4.0sq	VCT	4.0sq	HOISTING MOTOR WITH EARTH
2	VCT	4.0sq	4.0sq	VCT	4.0sq	T/S MOTOR WITH EARTH
3	VFCT	4.0sq	4.0sq	VFCT	4.0sq	MAIN POWER WITH EARTH

등전위접지

1.전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되야함.

2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

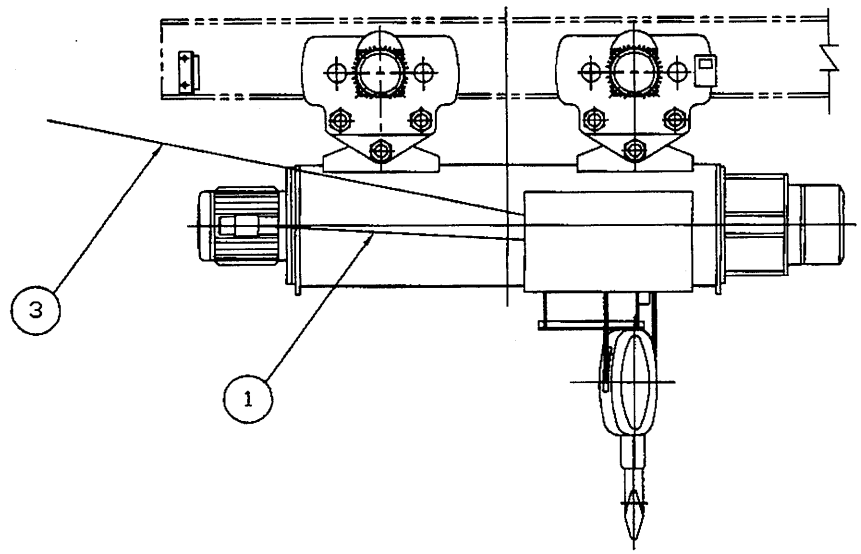
시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

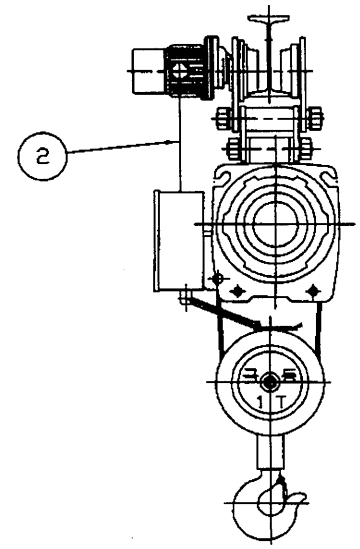
무단복제 및 배포금지

MK	DATE	REVISIONS	CHK.	APP.
4				
3				
2				
1				

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	GROUND WIRE SYSTEM					NONE		
		KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD1E218	

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 24,30M)





본 도면은 EARTH를 명기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와의
EARTH용 CABLE은 REFERENCE임

*3종 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*특 종 접지공사 10Ω 이하 (AC 3PH 400V 이상)

NO	CABLE TYPE	CABLE SIZE 220V	CABLE SIZE 380V	CABLE TYPE	CABLE SIZE 440V,460V,480V	REMARK
1	VCT	4.0sq	4.0sq	VCT	4.0sq	HOISTING MOTOR WITH EARTH
2	VCT	4.0sq	4.0sq	VCT	4.0sq	T/S MOTOR WITH EARTH
3	VFCT	4.0sq	4.0sq	VFCT	4.0sq	MAIN POWER WITH EARTH

동전위접지

1.전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야함.

2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

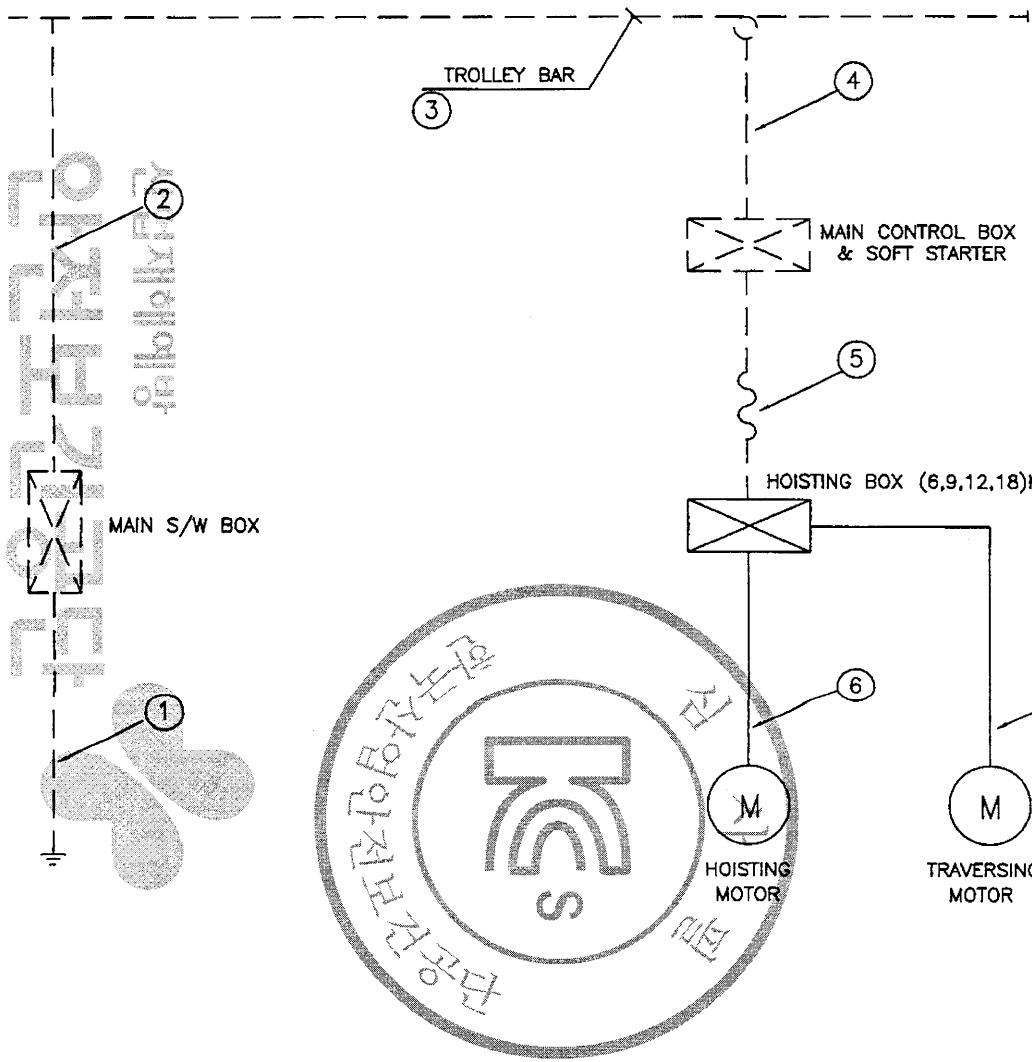
시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

불법복제 및 배포금지

MK	DATE	REVISIONS	CHK.	APP.

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	GROUND WIRE SYSTEM					NONE		
		극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD1E234	

NO	DESCRIPTION	CABLE SIZE
1	MAIN EARTH LINE	USER SCOPE
2	POWER SOURCE	USER SCOPE
3	TROLLEY BAR	USER SCOPE
4	POWER SOURCE WITH EARTH	USER SCOPE
5	HOIST POWER SOURCE WITH EARTH	VFCT 4.0SQ x 1C
6	HOISTING MOTOR WITH EARTH	VCT 4.0SQ x 1C
8	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C



* CV CABLE 4C중 1C는 EARTH로 사용함.

– NOTE –

1. 전동기 외함, 제어반의 프레임 등은 접지하여 그 접지 저항은

400V 이만 : 100오옴 이하일것.(3종 접지)
400V 이상 : 10오옴 이하일것.(특 3종접지)

2.MAIN S/W BOX는 3종 접지 요.

— — — — — USER SCOPE

——————— KUKDONG SCOPE

등전위전지

1.전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되야함.

2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

MK	DATE	REVISIONS	CHK.	APP.
4				
3				
2				
1				

CUSTOMER

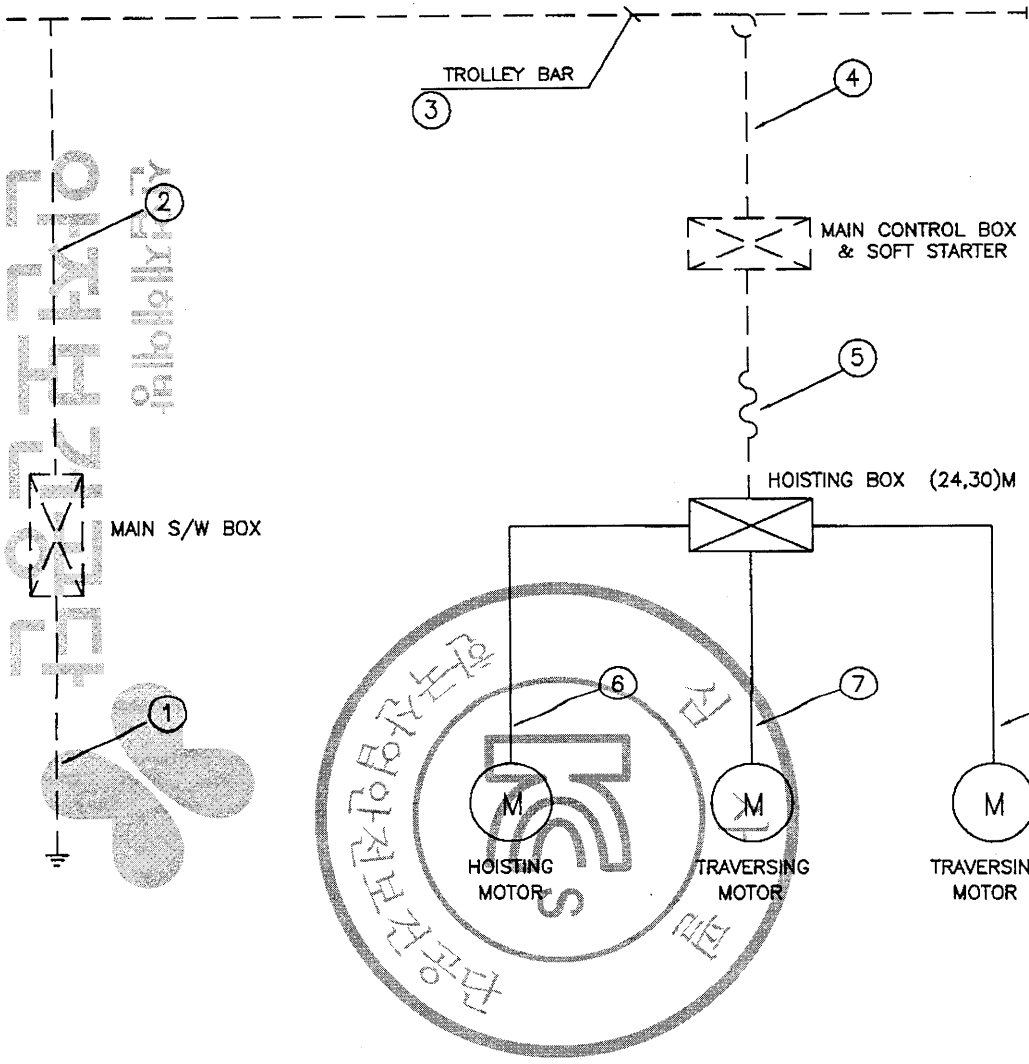
DRAWING TITLE: EARTH DETAILS DRAWING

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD1–EC000

NO	DESCRIPTION	CABLE SIZE
1	MAIN EARTH LINE	USER SCOPE
2	POWER SOURCE	USER SCOPE
3	TROLLEY BAR	USER SCOPE
4	POWER SOURCE WITH EARTH	USER SCOPE
5	HOIST POWER SOURCE WITH EARTH	VFCT 4.0SQ x 1C
6	HOISTING MOTOR WITH EARTH	VCT 4.0SQ x 1C
8	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C



* CV CABLE 4C중 1C는 EARTH로 사용함.

– NOTE –

1. 전동기 외함, 제어반의 프레임 등은 접지하여 그 접지 저항은

400V 미만 : 100오옴 이하일것.(3종 접지)
400V 이상 : 10오옴 이하일것.(특 3종접지)

2.MAIN S/W BOX는 3종 접지 요.

USER SCOPE

KUKDONG SCOPE

등전위접지

1.전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되야함.

2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

MK	DATE	REVISIONS	CHK.	APP.
⚠				
⚠				
⚠				
⚠				

CUSTOMER

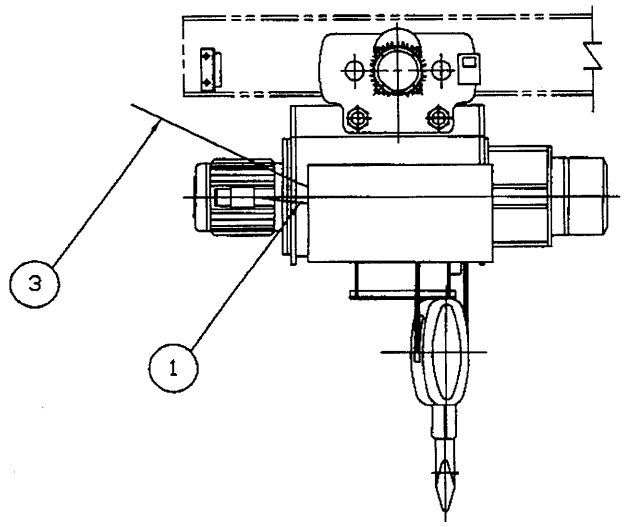
DRAWING TITLE: EARTH DETAILS DRAWING

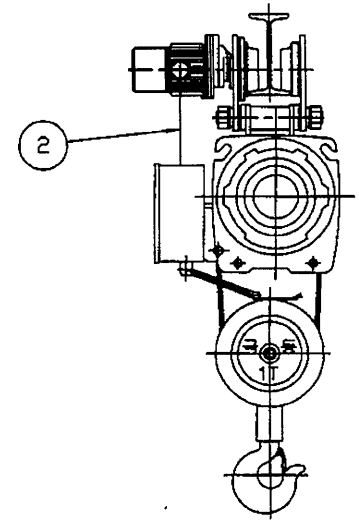
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD1-EC000

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 6,9,12,18,24,30M)





(1)

KD	ELECTRIC WIRE ROPE HOIST	
MODEL	RATING	min
CAPACITY Kg	LIFT	m
HOIST SPEED m/min	POWER SOURCE	V Hz
HOIST MOTOR Kw P	AMP.S R&T HOIST	A
TRAV.SPEED m/min	AMP.S R&T TRAV.	A
TRAV.MOTOR Kw P	WIRE ROPE	Ø
WIDTH OF RAIL mm	WEIGET	Kg
DATE	SERIAL	

KUKDONG HOIST CO.,LTD

(2)

KD	3 PHASE INDUCTION MOTOR		
KW	P	TYPE	TENV
VOLTS	V	RATING	min
AMP.S	A	AMP.TEMP	40℃
HEARTS		INS.CLASS	F
R.P.M		BEARING	
ROTOR C		BEARING	
SERIAL.		DATE	

KUKDONG HOIST CO.,LTD

(3)

KD	3 PHASE INDUCTION MOTOR		
KW	P	TYPE	TENV
VOLTS	V	RATING	min
AMP.S	A	AMP.TEMP	40℃
HEARTS		INS.CLASS	F
R.P.M		BEARING	
ROTOR C		BEARING	
SERIAL.		DATE	

KUKDONG HOIST CO.,LTD

MK	DATE	REVISIONS	CHK.	APP.
⚠				
⚠				
⚠				
⚠				

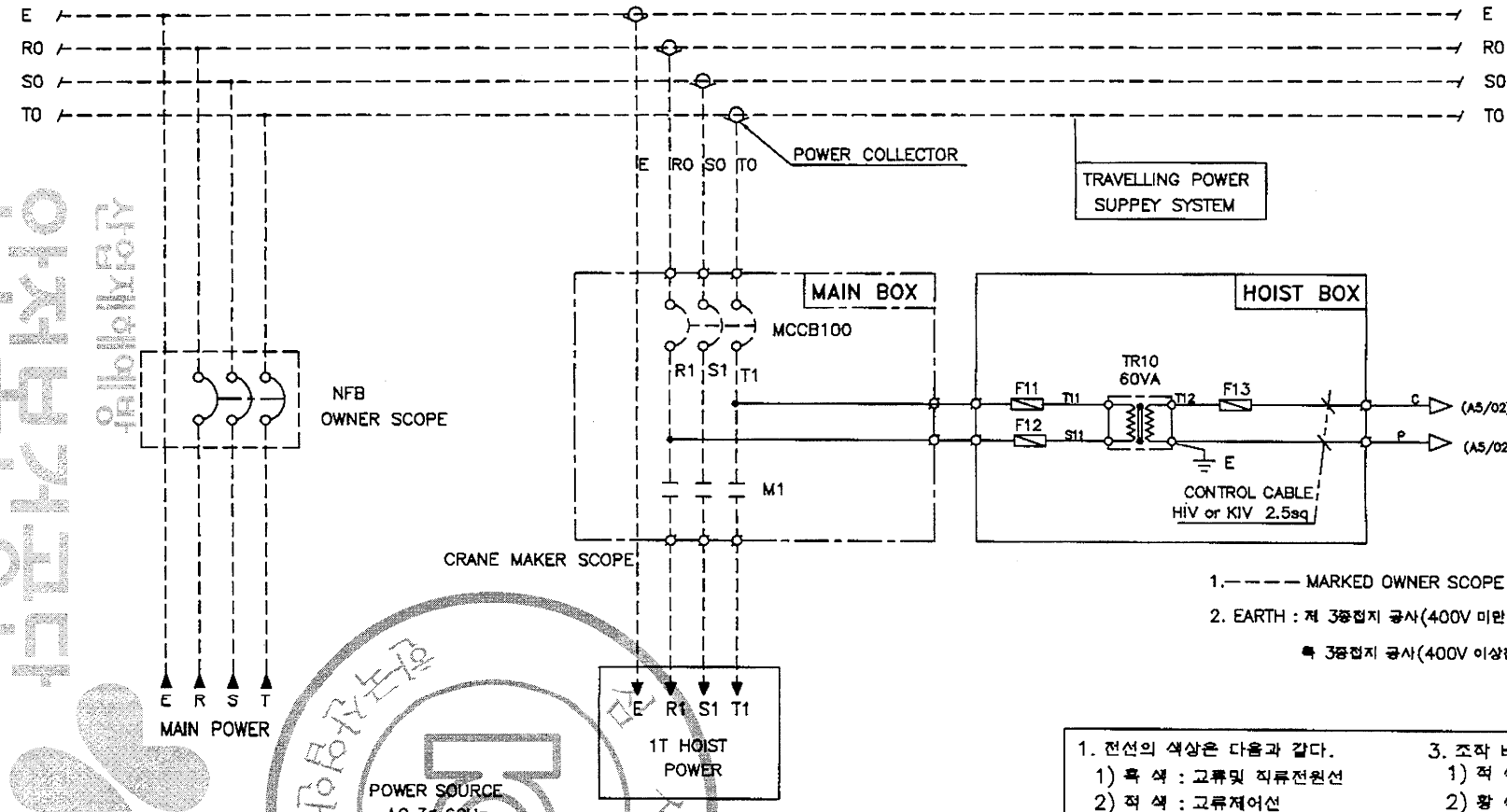
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	WIRE HOIST NAME PLATE					NONE		
		KD 곡동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD1E206	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

TRAVELLING POWER SUPPLY SYSTEM

ADR'S NO. A1



1.———— MARKED OWNER SCOPE

2. EARTH : 제 3종접지 공사(400V 미만전압 : 100 OHM 이하)

특 3종접지 공사(400V 이상전압 : 10 OHM 이하)

POWER SOURCE
AC 3ø 60Hz

SELECTION	VOLTAGE	F11 F12	F13	MCCB100	TR10
	220V	1A	2A	33AF/15AT	220/110,120 60VA
	380V	1A	2A	33AF/10AT	380/110,120 60VA
	440V	1A	2A	33AF/10AT	440/110,120 60VA
	460V	1A	2A	33AF/10AT	460/110,120 60VA
	480V	1A	2A	33AF/10AT	480/110,120 60VA

1. 전선의 색상은 다음과 같다.
   1) 흑 색 : 고류및 직류전원선
   2) 적 색 : 고류제어선
   3) 청 색 : 직류제어선
   4) 녹색 또는 녹색과 황색 혼용 : 접지
2. 표시등의 색상은 다음과 같다.
   1) 적 색 : 비상
   2) 황 색 : 비정상
   3) 녹 색 : 정상
   4) 청색 : 의무
   5) 흰색 : 중립
3. 조작 버튼의 색상은 다음과 같다.
   1) 적 색 : 비상
   2) 황 색 : 비정상
   3) 청 색 : 의무
   4) 흰색, 회색 또는 흑색 : 지정된 의미없음

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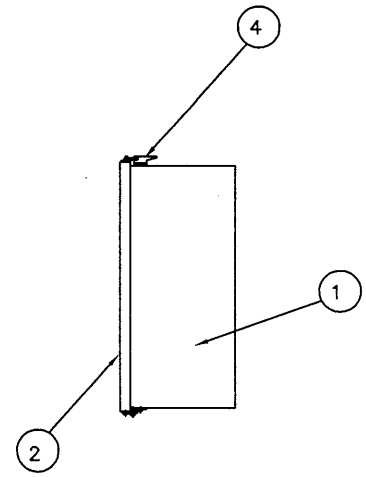
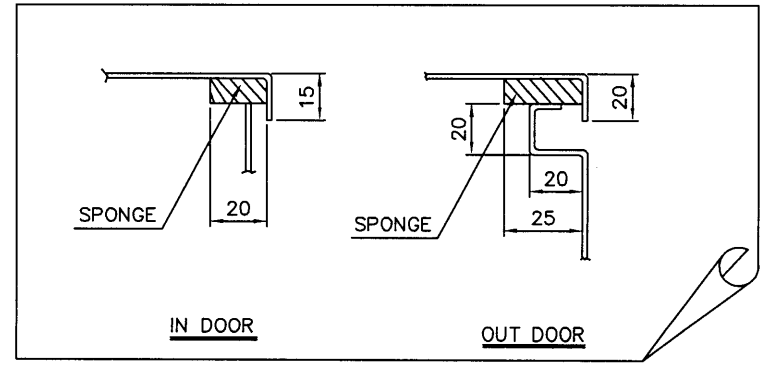
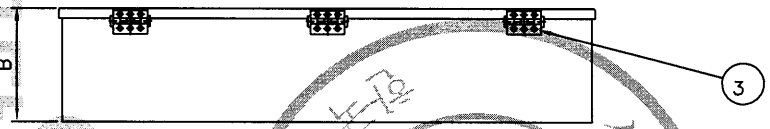
		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER						NONE		
DRAWING TITLE	MAIN POWER CIRCUIT 1	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01E001	
	DIAGRAM							



NO	DESCRIPTION	MT'L	REMARKS
1	PANEL CASE	SPC	1.6t
2	PANEL COVER	SPC	1.6t
3	HINGE	PUR'	
4	CLAMP	PUR'	
5	SPONGE	PUR'	





SELECTION	HOIST CAPACITY	DESCRIPTION	IN DOOR A	IN DOOR B	IN DOOR L	OUT DOOR A	OUT DOOR B	OUT DOOR L	REMARK
☞	0.5TON	NORMAL	330	150	670	330	150	670	
		CREEP	330	150	670	330	150	670	

N O T E

1.PROTECTION DEGREE ;

A, INDOOR TYPE : DUST PROOF

B, OUT DOOR TYPE : SPLASH PROOF

2.FINAL PAINTING COLOR (MUNSELL NO.)

A. IN SIDE : 10B 3/5

B. OUT SIDE : 10B 3/5

3.PAINTING THICKNESS : ABOVE 40 um

4.APPLICATION VOLTAGE : 220V,380V,440V,460V,480V

5.제어용 전선 : 2.5sq KIV,HIV

6.외함 개방 구조는 다음과 같다.

1) 외함 개방시 충전 부분이 차단되도록 한다.

2) 외함 개방 후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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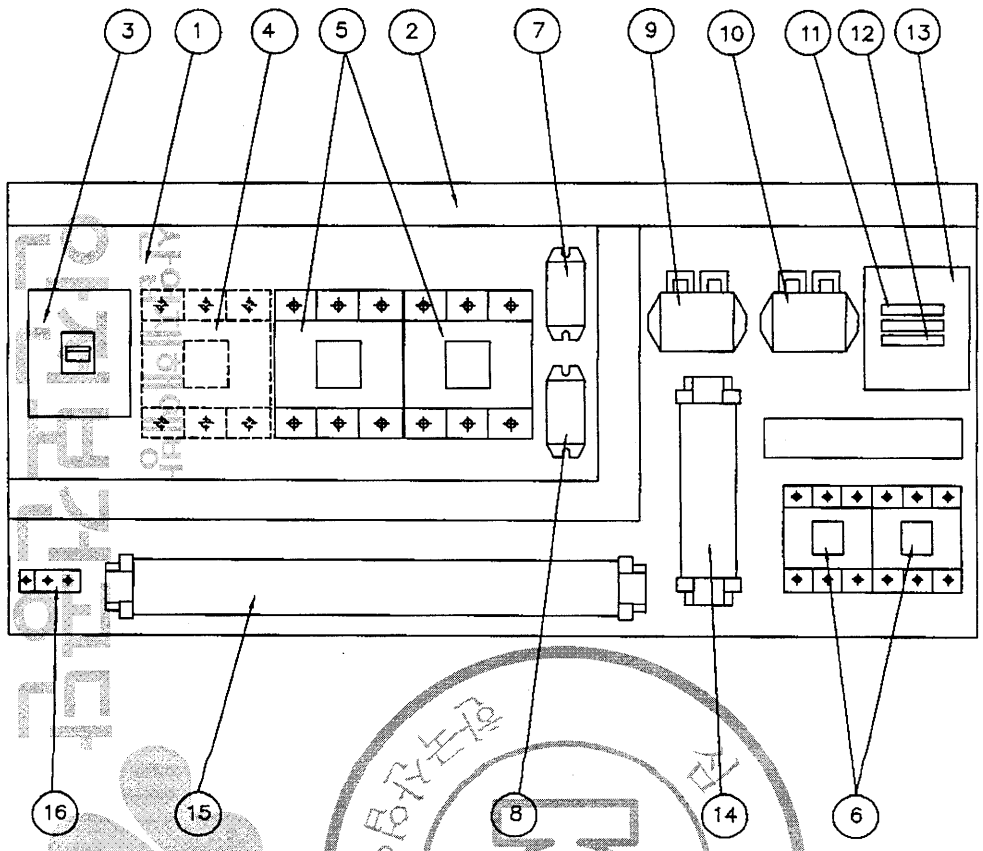
		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER						NONE		
DRAWING TITLE	HOISTING CONTROL BOX	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01EB00	
	LAY-OUT							

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/20AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	220V/110,120V/60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 220V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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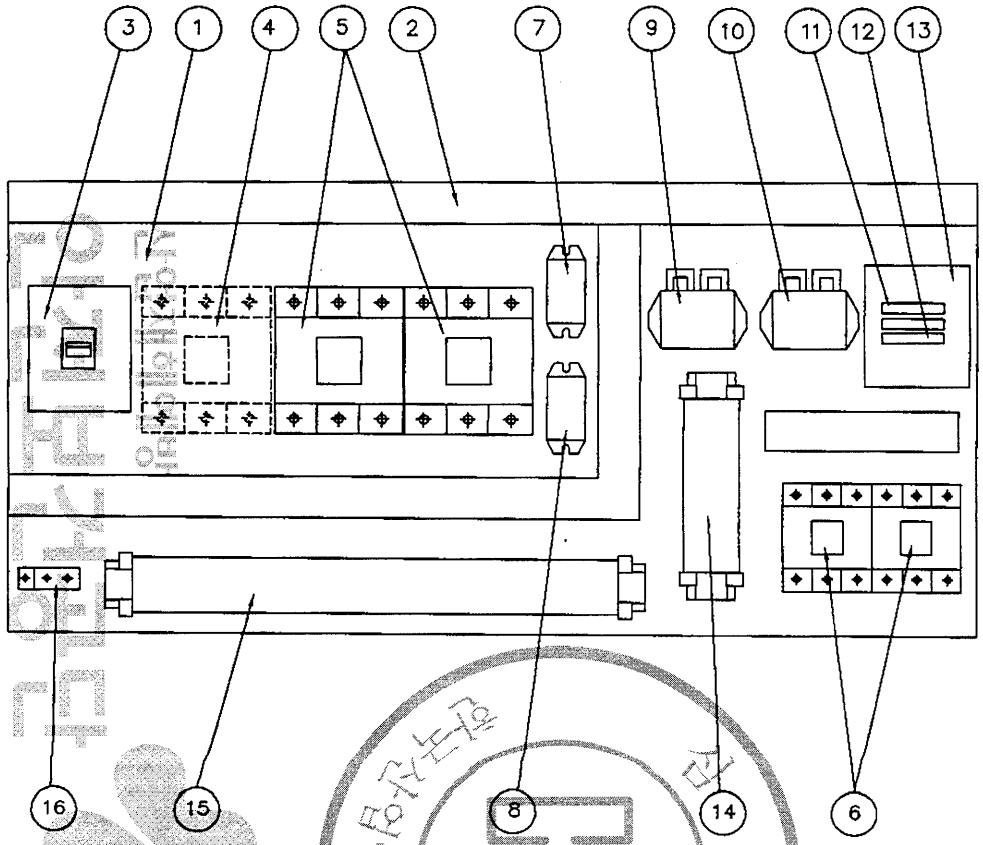
		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER								
DRAWING TITLE	HOIST CONTROL BOX (고속)					NONE		
	ARRANGEMENT DRAWING	KID 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA21	



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아연도금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/15AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	220V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 220V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작사 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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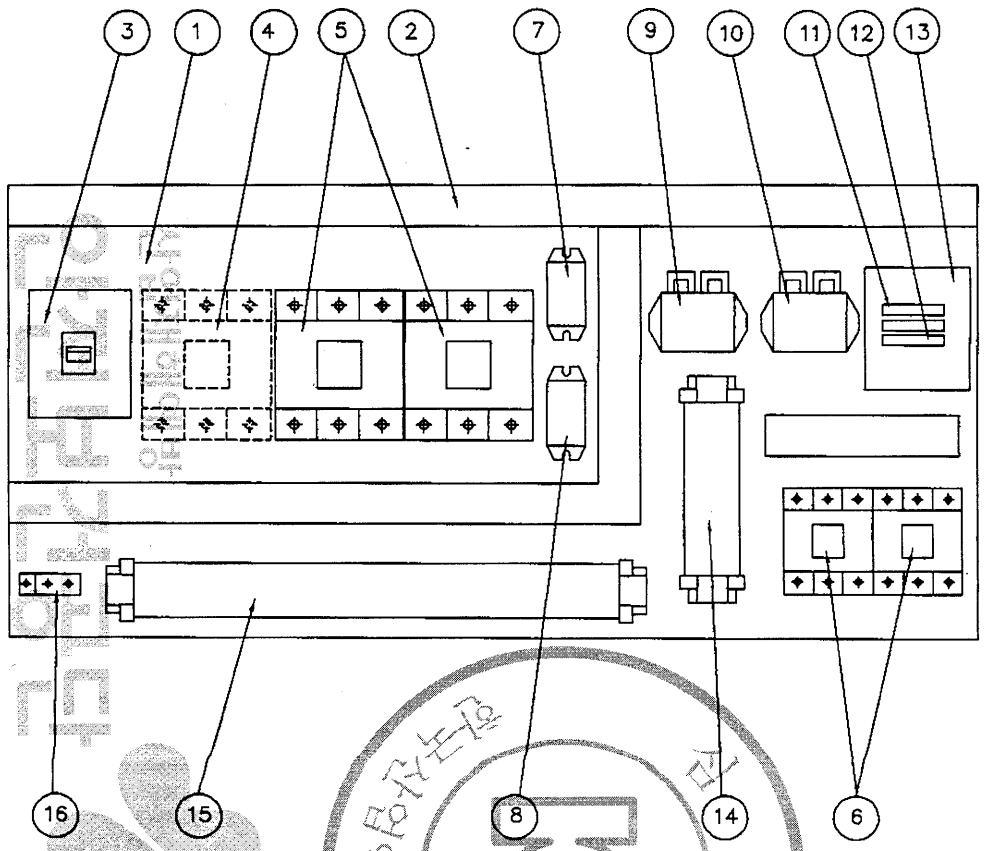
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (중속)					NONE		
	ARRANGEMENT DRAWING	극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA22	



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/15AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	220V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 220V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE

1. 전선의 색상은 다음과 같다.
   1) 흑색 : 고류 및 직류 전원선로
   2) 적색 : 고류제어회로
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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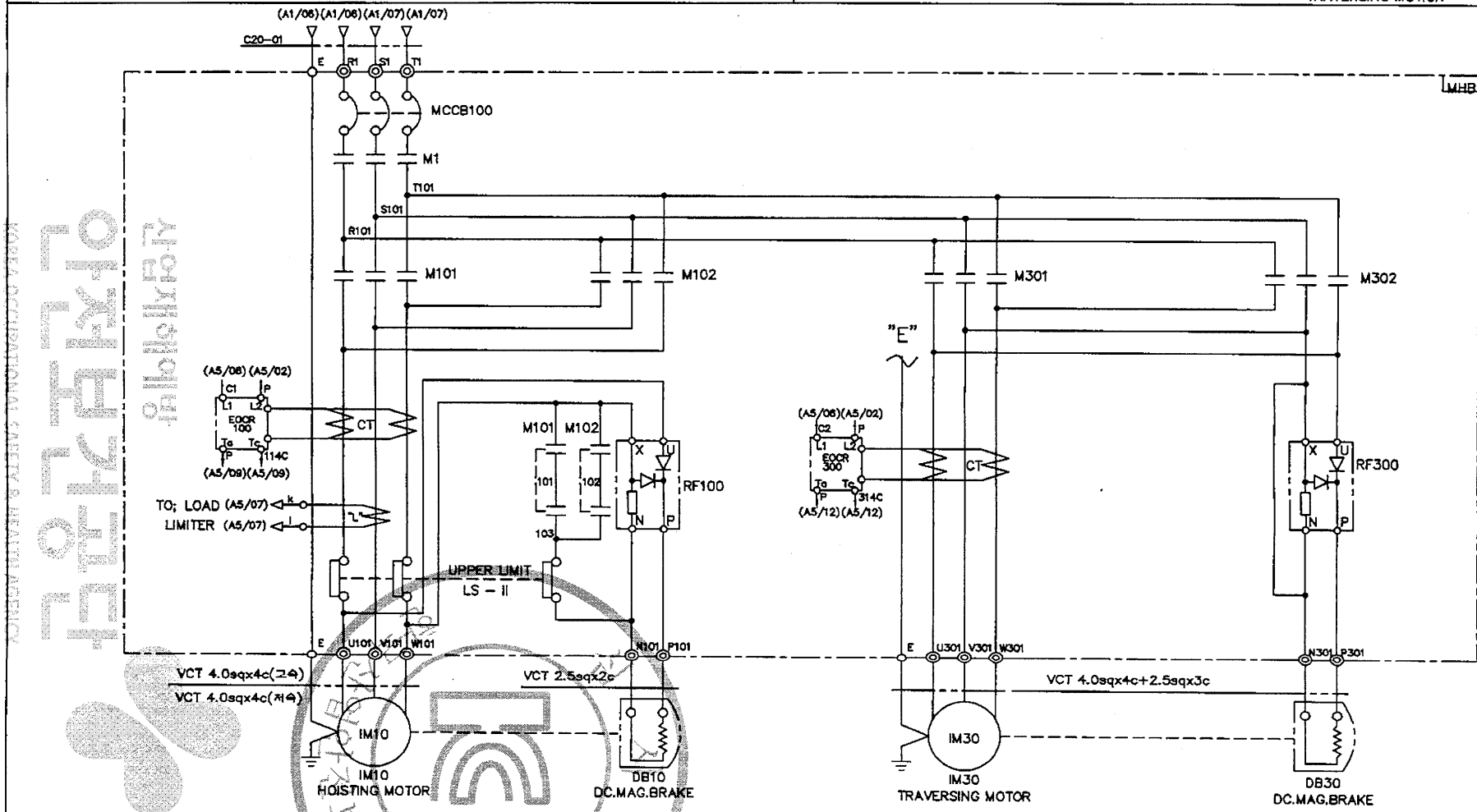
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (저속)					NONE		
	ARRANGEMENT DRAWING	극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA22	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			ADR'S NO.
HOISTING MOTION										TRAVERSING MOTION									B1



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
HOIST		IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 220V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/15AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	–		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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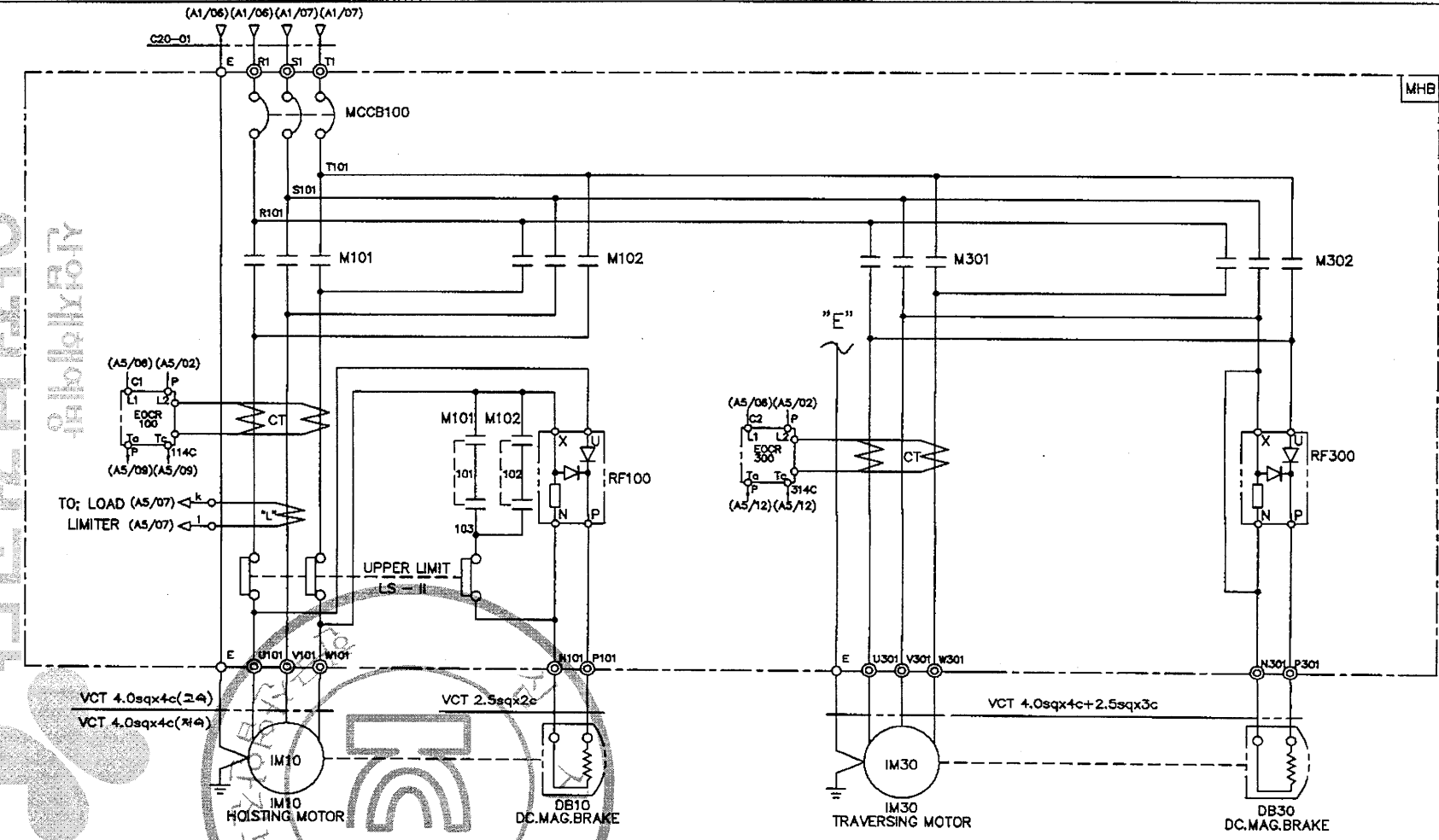
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOISTING POWER & CONTROL CIRCUIT DIAGRAM					NONE		

KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO KD01E21

기술표준 승인 배포 표지

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			ADR'S NO.
HOISTING MOTION										TRAVERSING MOTION									B1



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 220V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/100VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/100VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/15AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

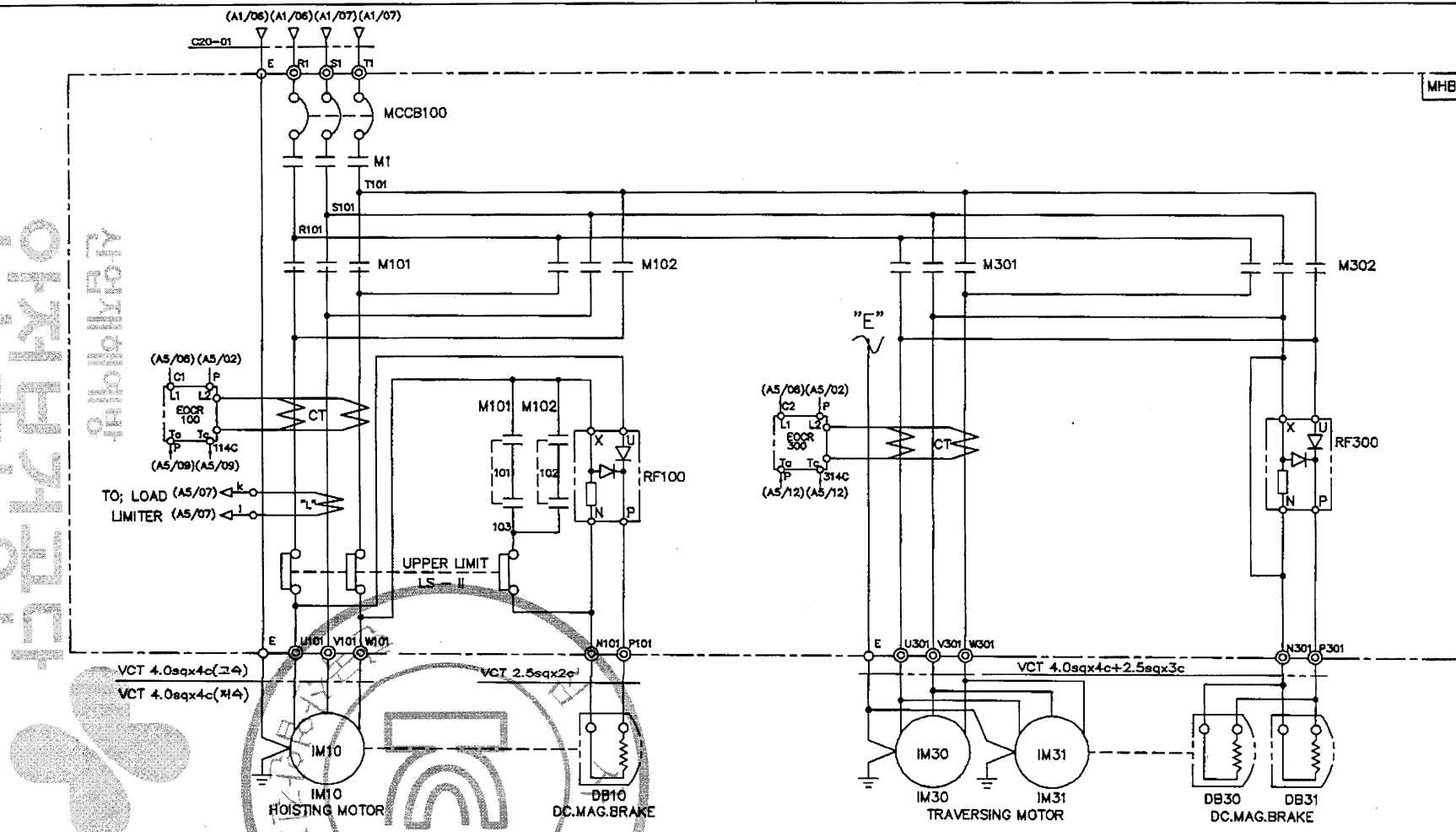
DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

국동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD01E22

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			ADR'S NO.
HOISTING MOTION										TRAVERSING MOTION									B1



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	220/110,120V/60VA TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR			UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302		LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 220V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C		AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C		AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/15AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C		AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	-		DONG-A				KUKDONG	ASAN				JUNGHO	DONGIL

MK	DATE	REVISIONS	CHK.	APP.
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CUSTOMER

DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

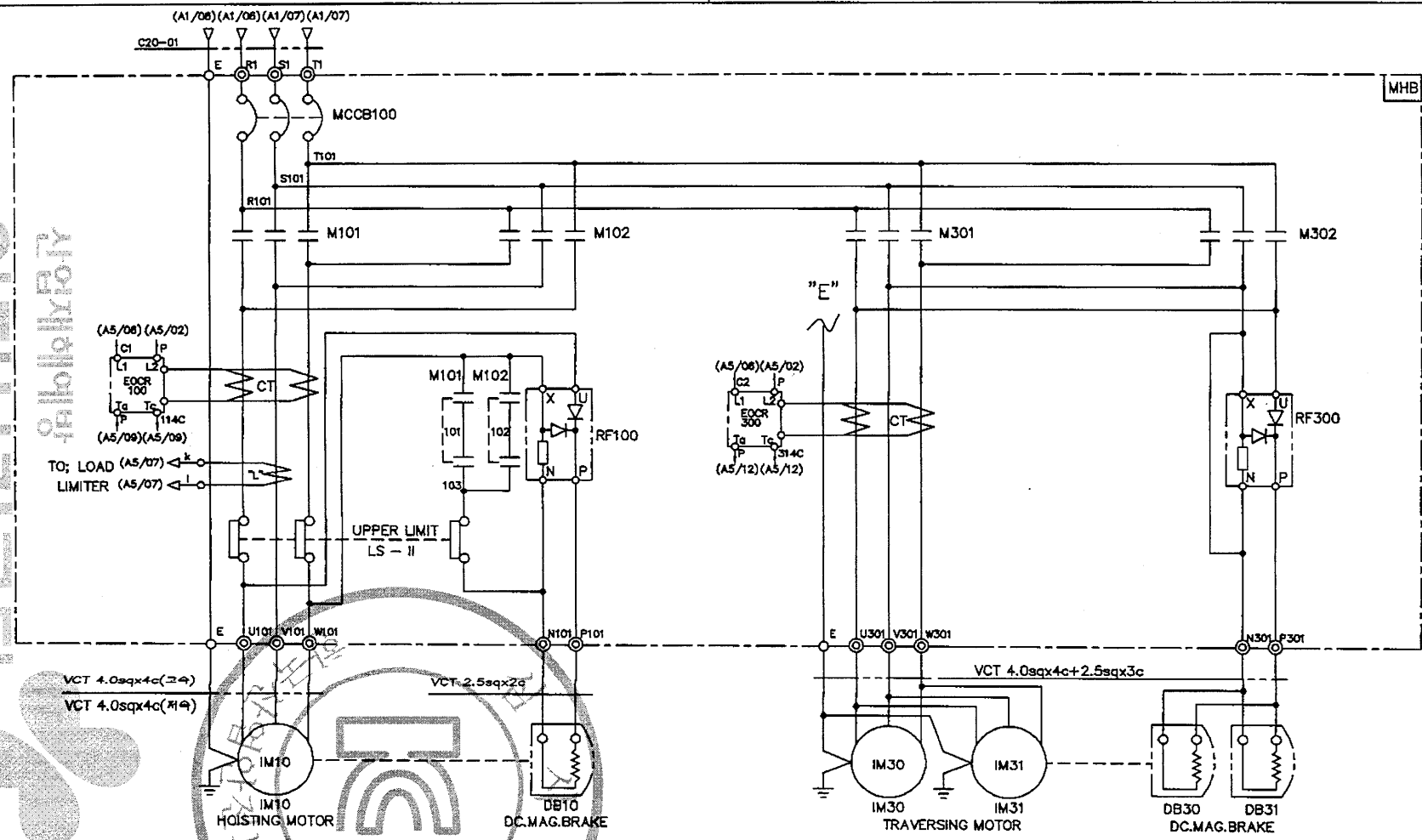
KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E23

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO.

HOISTING MOTION | TRAVERSING MOTION | B1



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 220V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/20AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 220V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/15AT	220/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

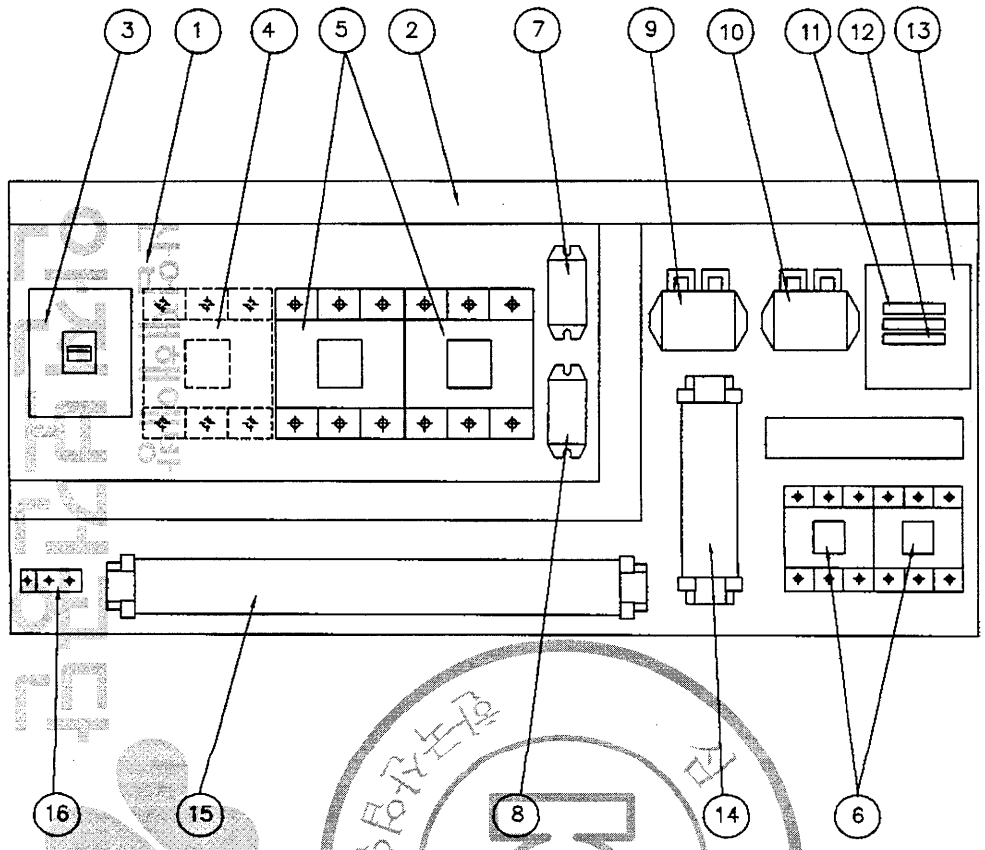
DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

구동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E24

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	380V/110,120V/60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 380V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE

1. 전선의 색상은 다음과 같다.
   1) 흑색 : 교류 및 직류 전원선로
   2) 적색 : 교류제어회로
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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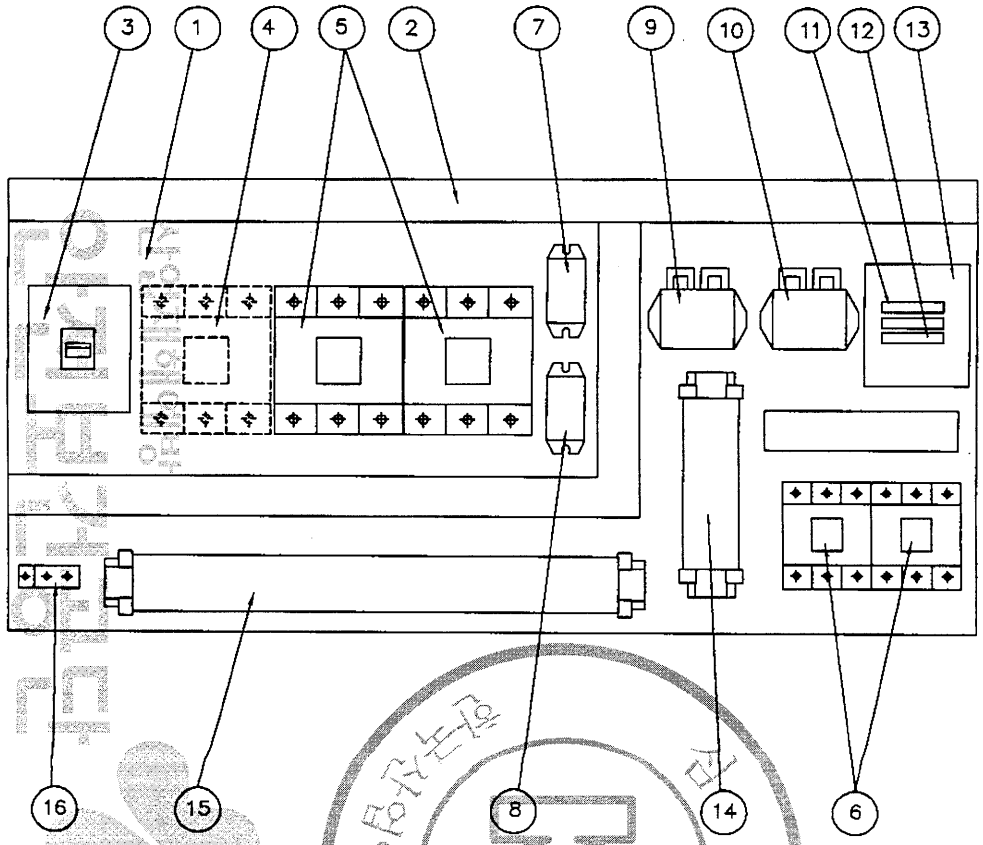
		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER								
DRAWING TITLE	HOIST CONTROL BOX (고속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA31	

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	380V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 380V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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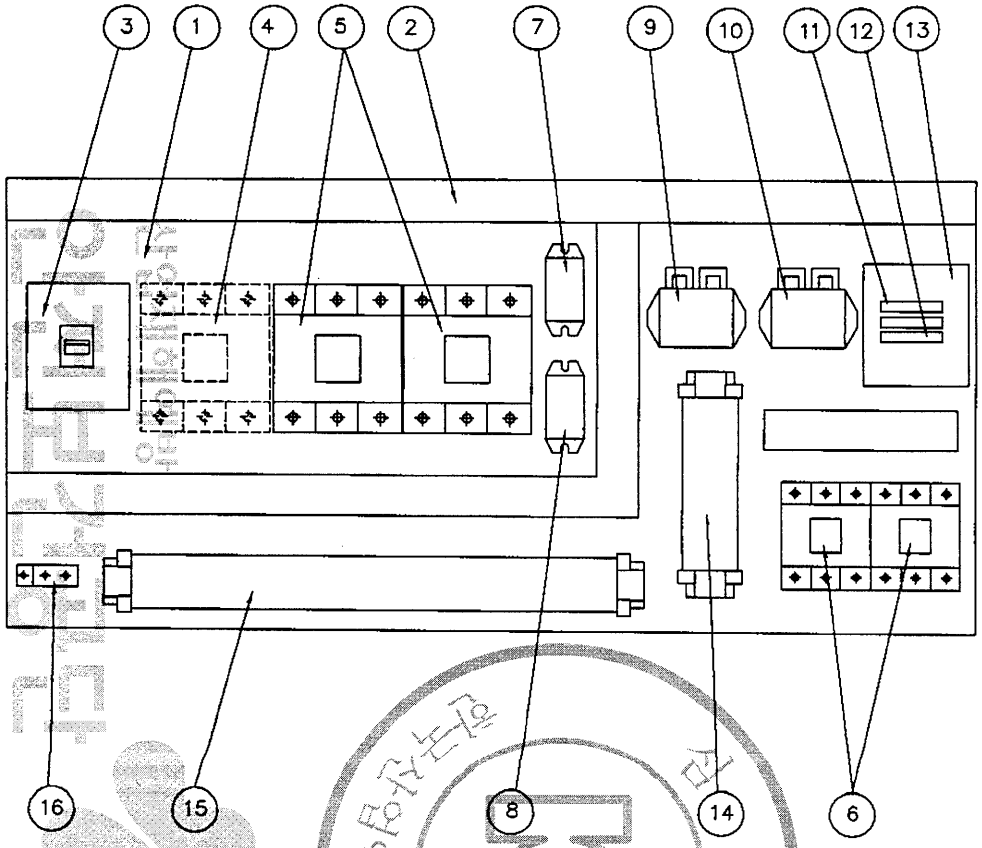
CUSTOMER	
DRAWING TITLE	HOIST CONTROL BOX (중속)
	ARRANGEMENT DRAWING

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO KD01BA32

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	380V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 380V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : ┌ KIV OR EQUIVALENT
   └ MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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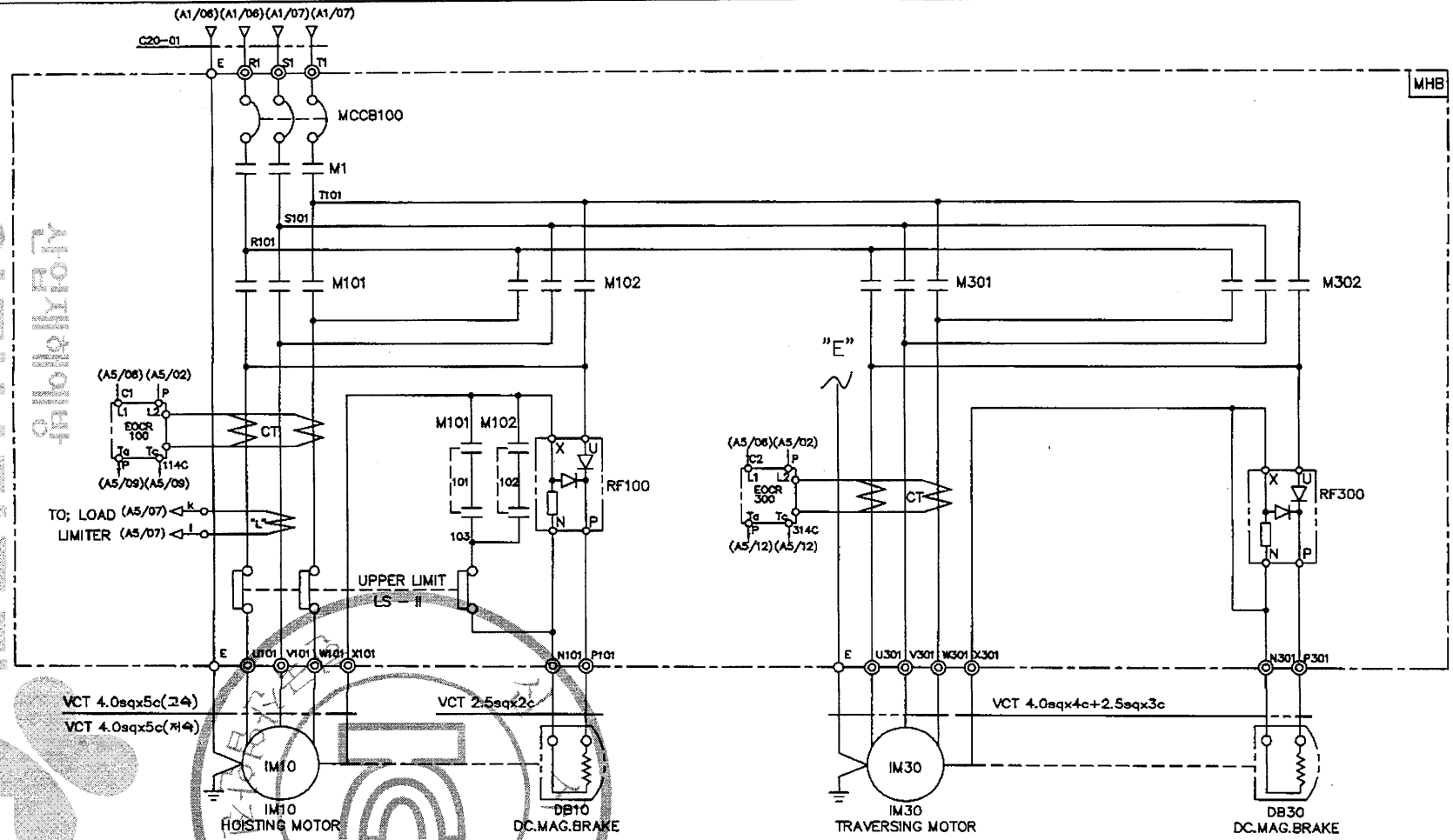
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (저속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA32	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 380V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 380V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 380V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	–		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

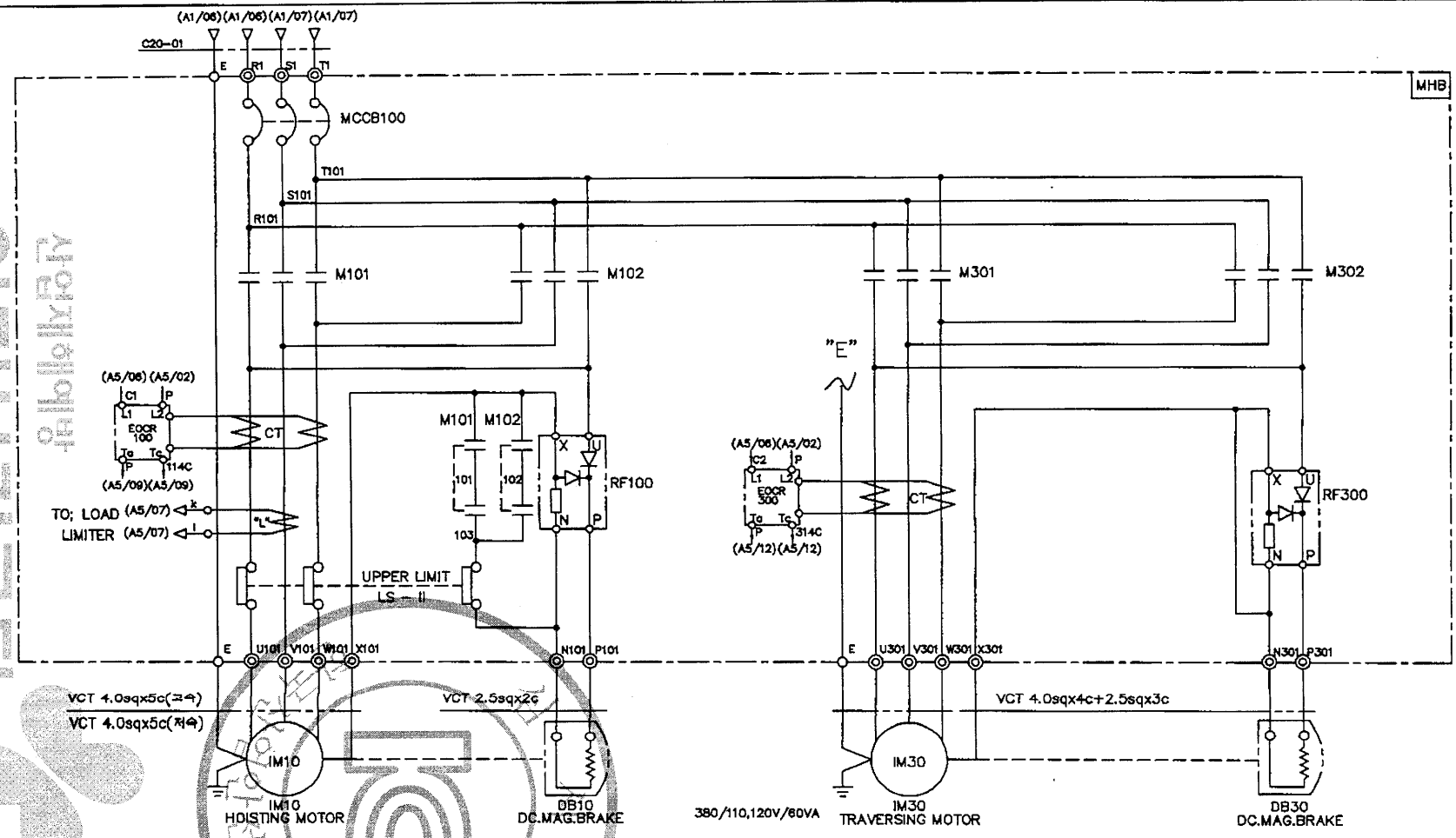
DWG. NO: KD01E31

출력물제 옷 배포금지

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 380V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 380V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 380V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

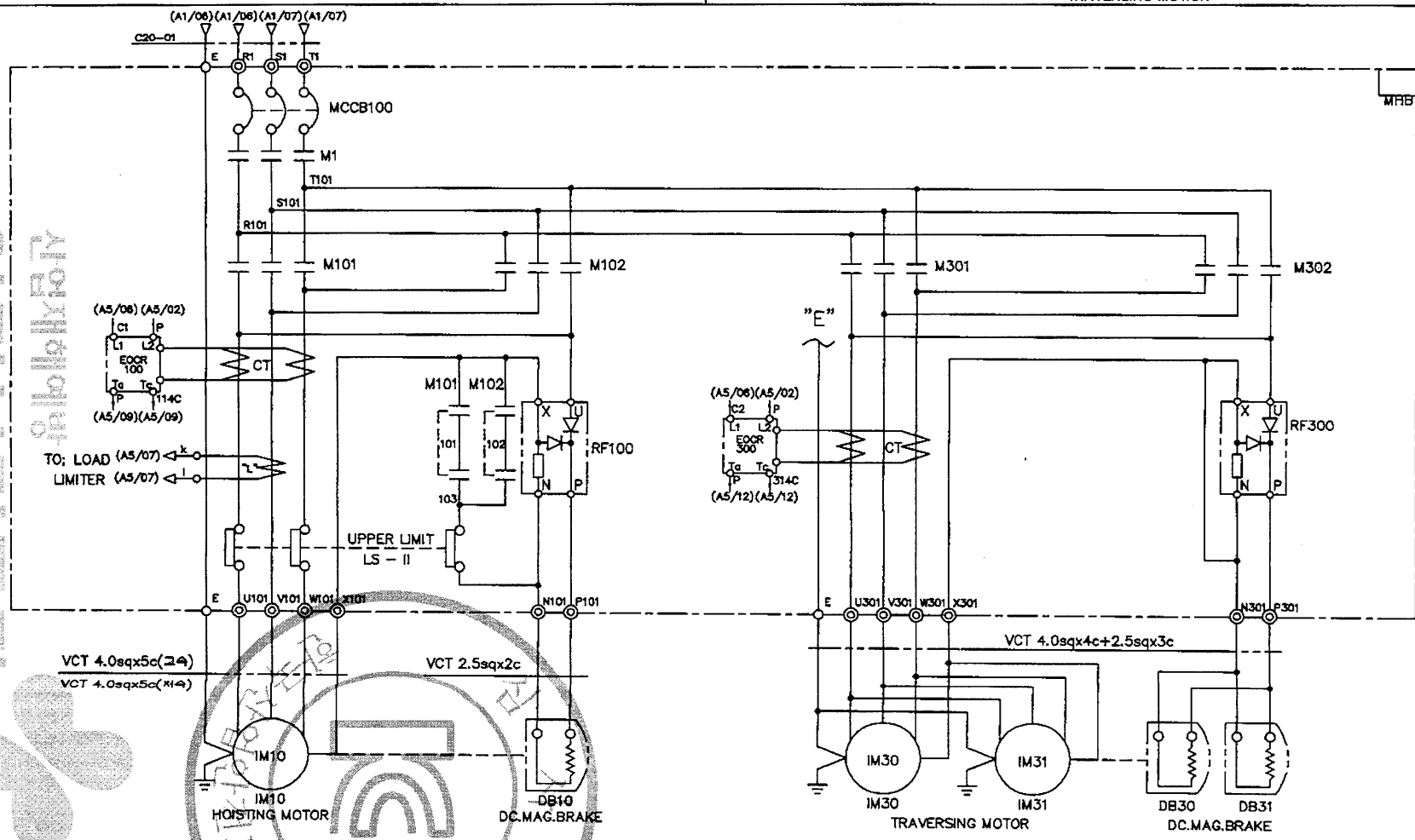
DWG. NO: KD01E32

도면표제 및 배선도면

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO.

HOISTING MOTION | TRAVERSING MOTION | B1



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 380V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 380V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 380V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

국동호이스트 주식회사
KUK DONG HOIST CO., LTD.

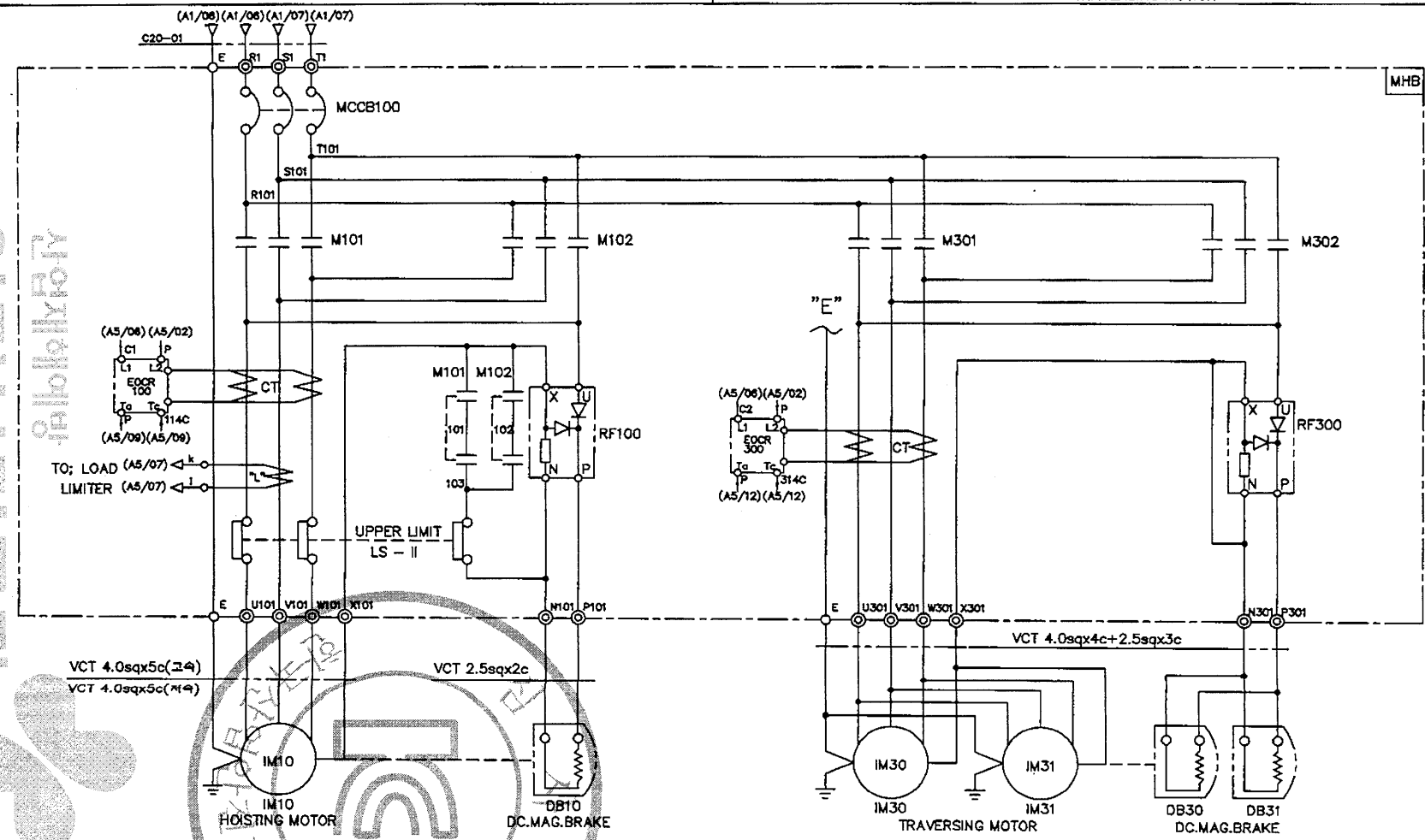
DWG. NO: KD01E33

기술표준 및 배포금지

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



380/110,120V/60VA

SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	2TON AC 3PH 380V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	2TON AC 3PH 380V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	2TON AC 3PH 380V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	380/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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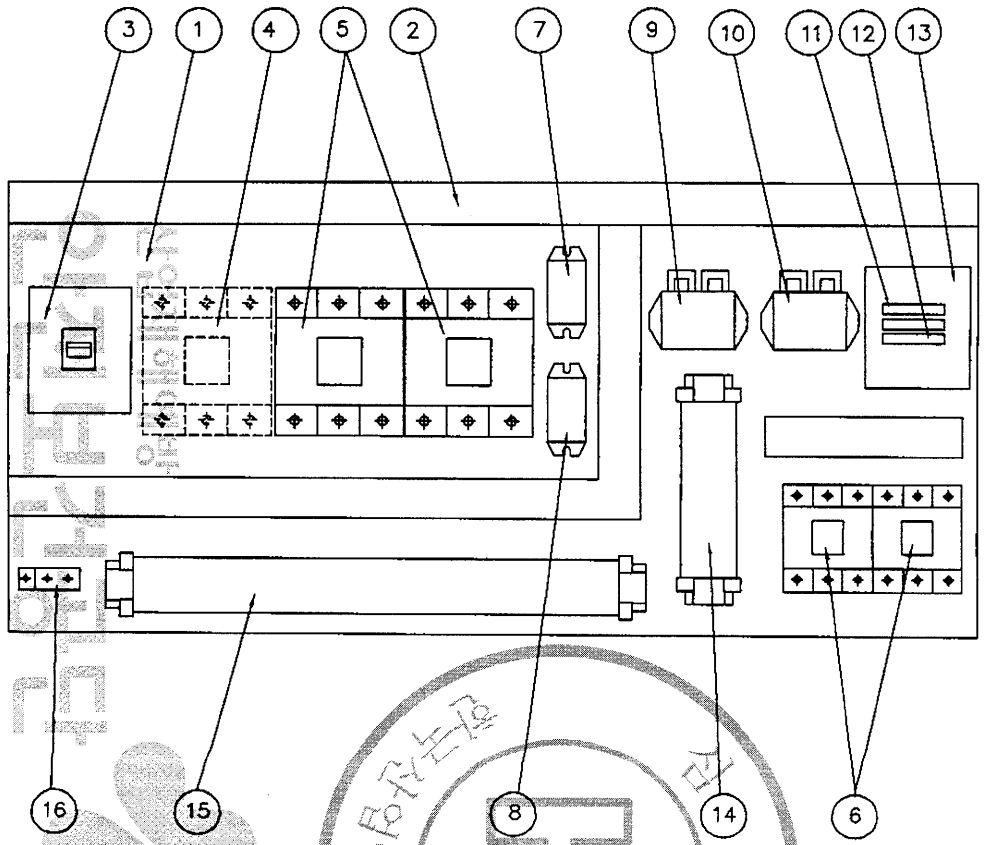
CUSTOMER

DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E34



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR–30	1	HOISTING
8	SILICON RECTIFIER	SR–30	1	TRAVERSING
9	E.O.C.R	SS–30	1	HOISTING
10	E.O.C.R	SS–05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	440V/110,120V/60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 440V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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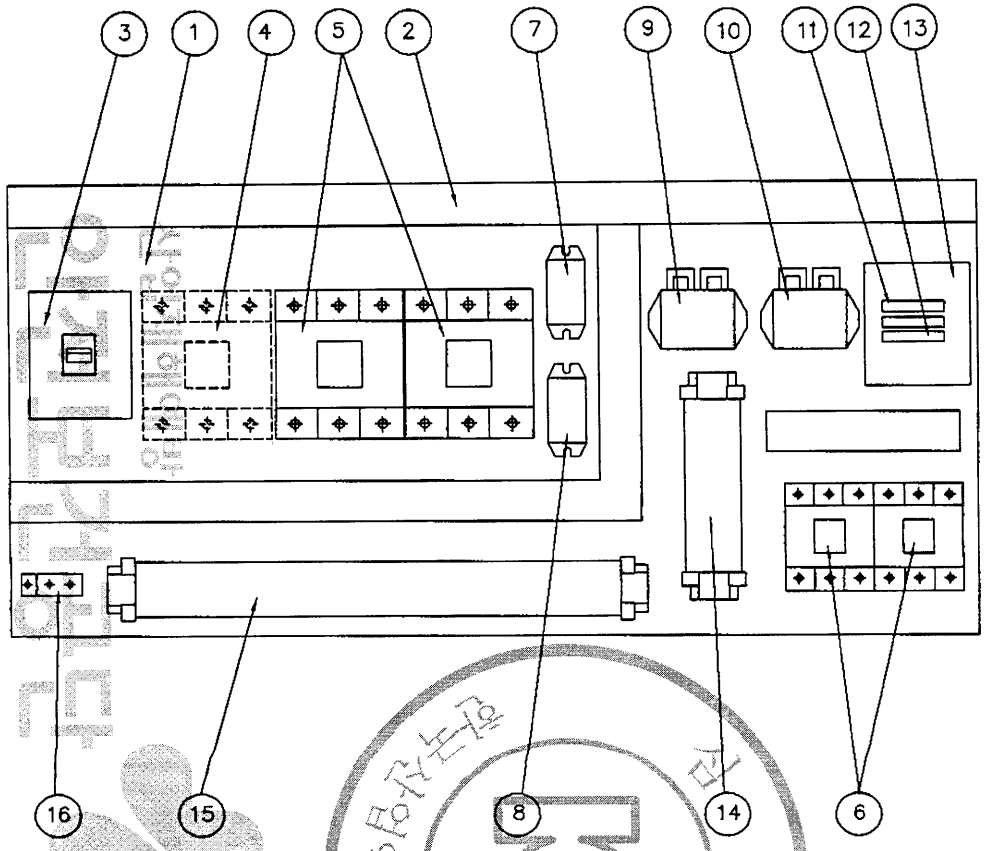
		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER								
DRAWING TITLE	HOIST CONTROL BOX (고속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA41	

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	440V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.
1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

N O T E
1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 440V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

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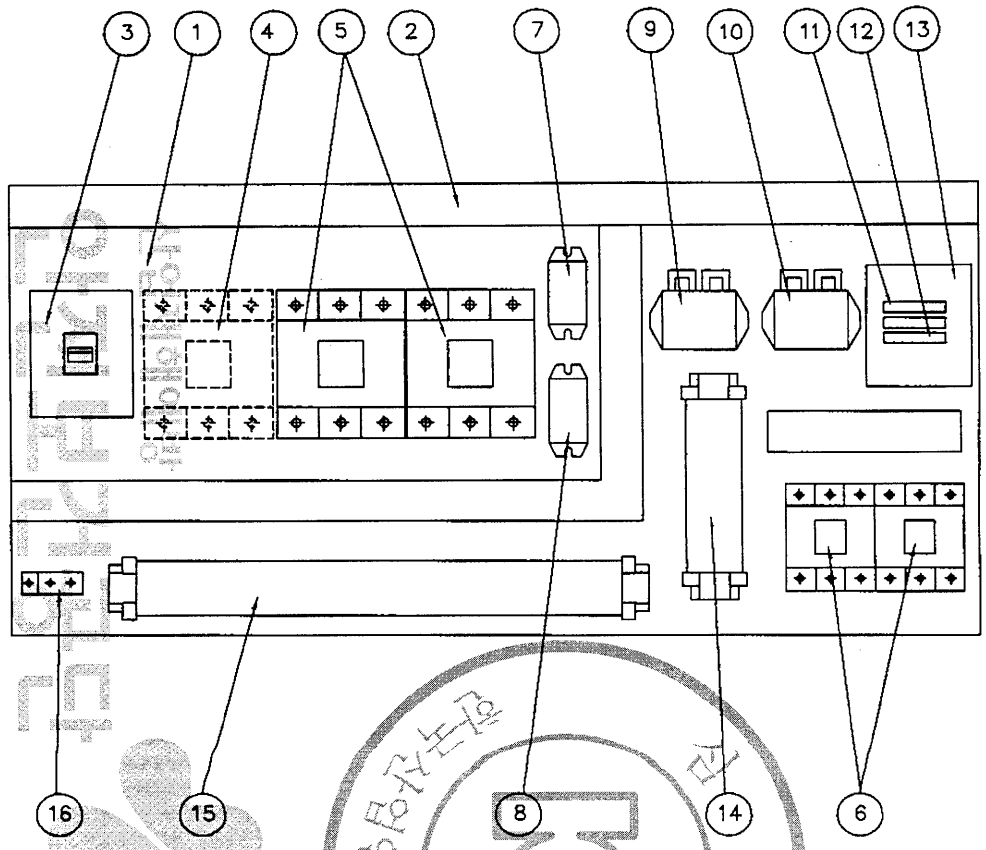
CUSTOMER
DRAWING TITLE: HOIST CONTROL BOX (중속)
ARRANGEMENT DRAWING

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.
DWG. NO: KD01BA42



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	440V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 440V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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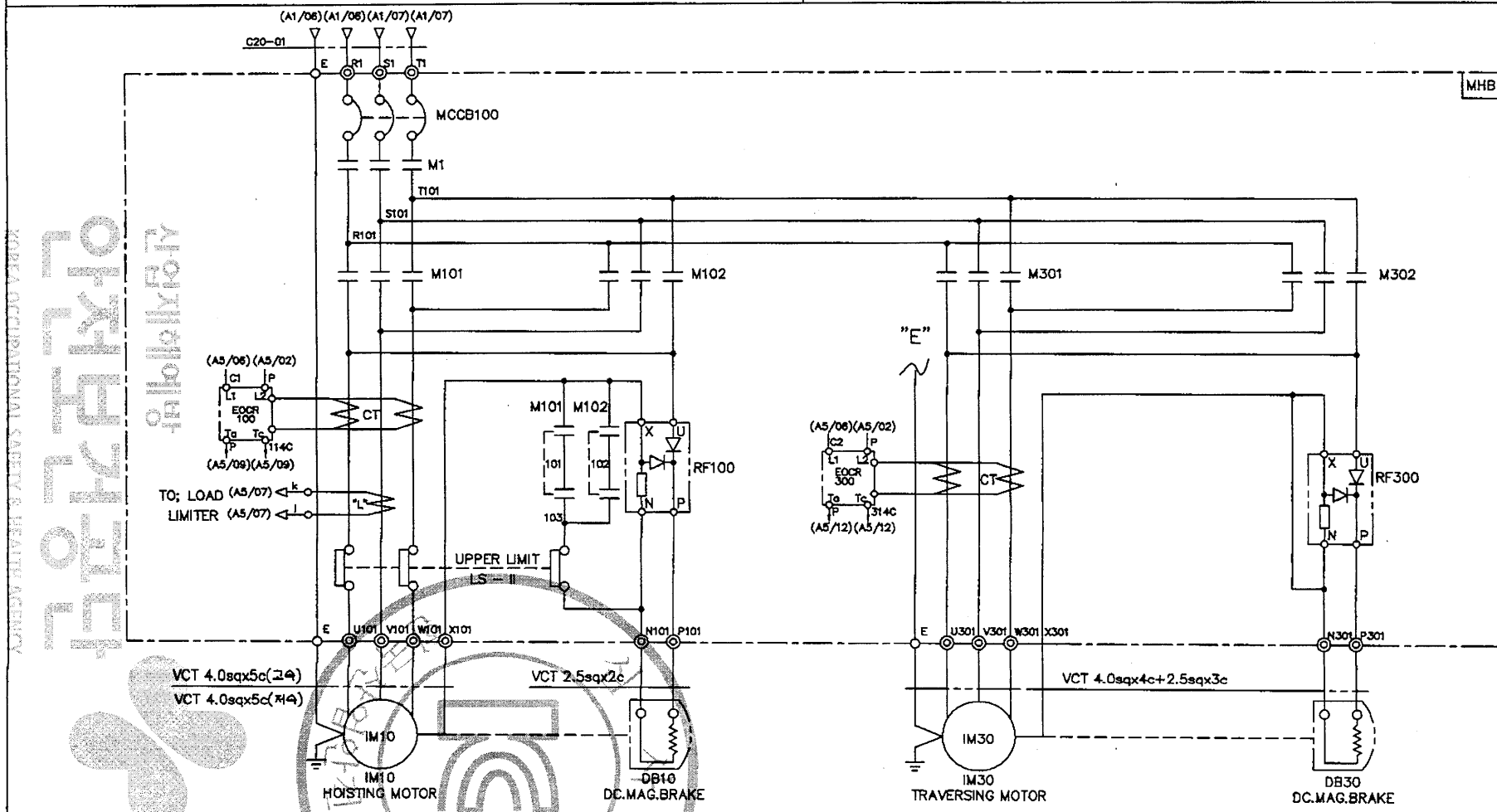
		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER								
DRAWING TITLE	HOIST CONTROL BOX (저속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA42	

ADR'S NO.

제품표기 및 배치도면

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			ADR'S NO.
HOISTING MOTION											TRAVERSING MOTION								B1



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 440V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	12KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	–		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

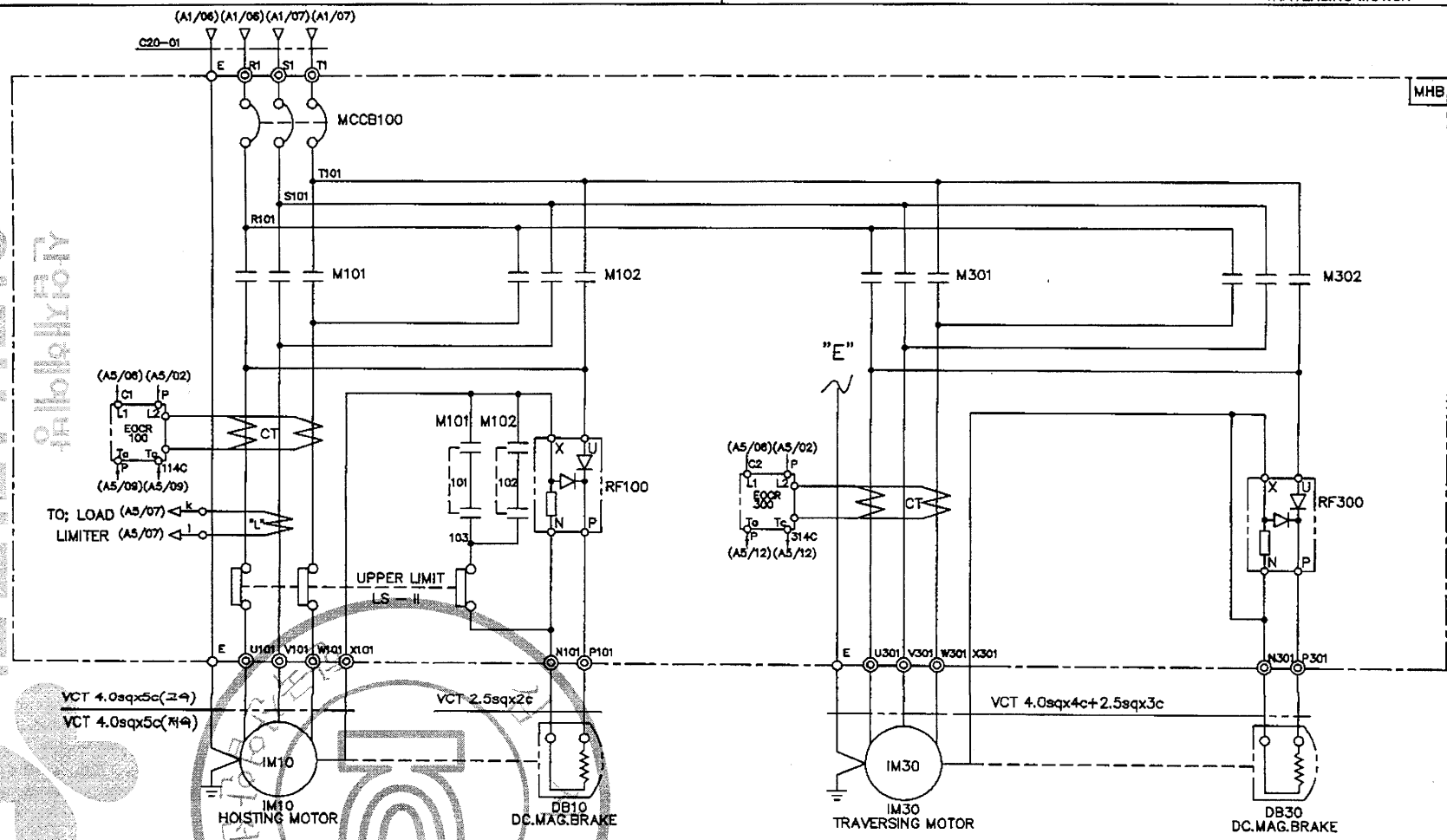
극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD01E41

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 440V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E42

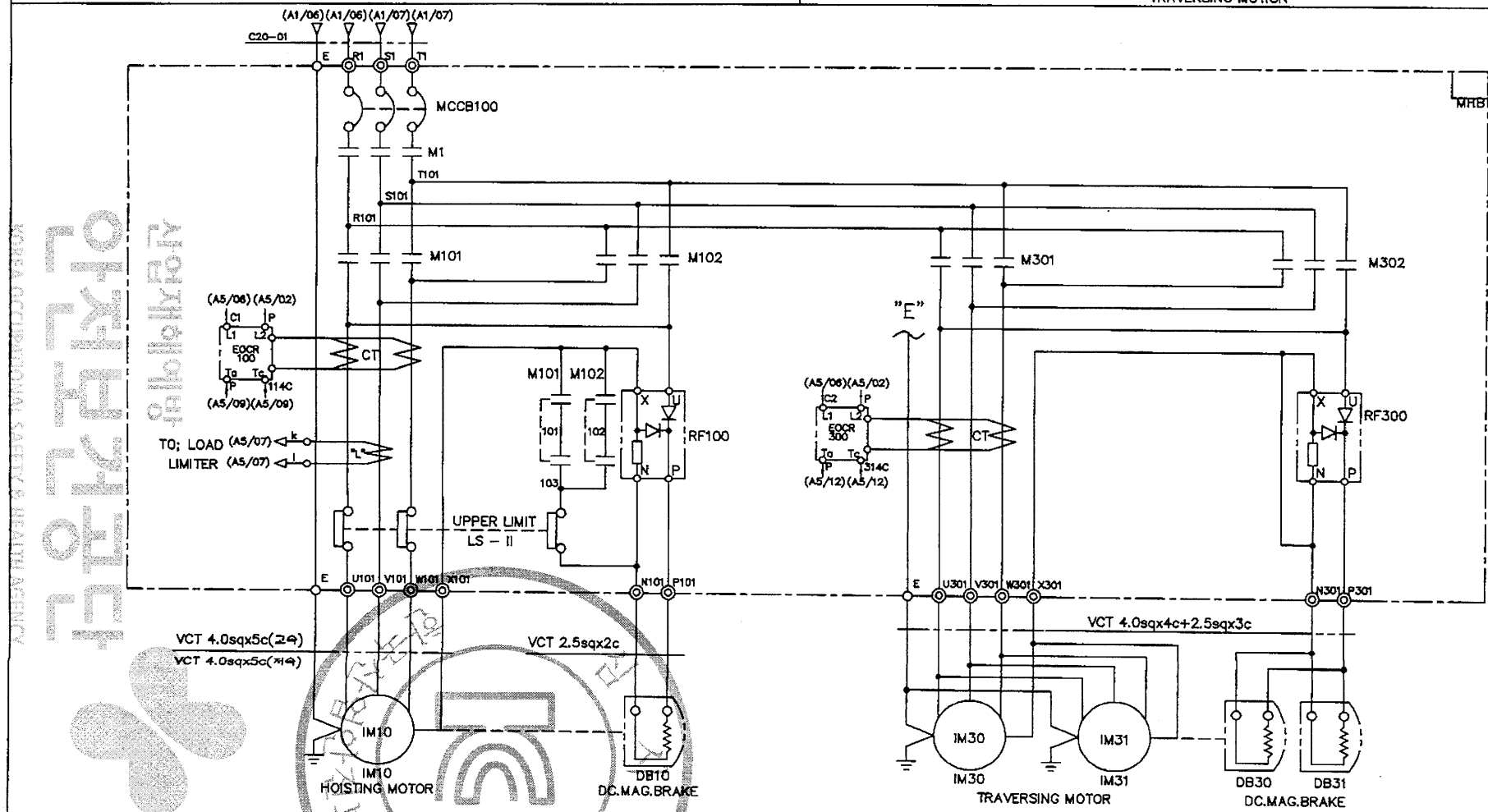
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

ADR'S NO. B1

HOISTING MOTION

TRAVERSING MOTION



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 440V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	-		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

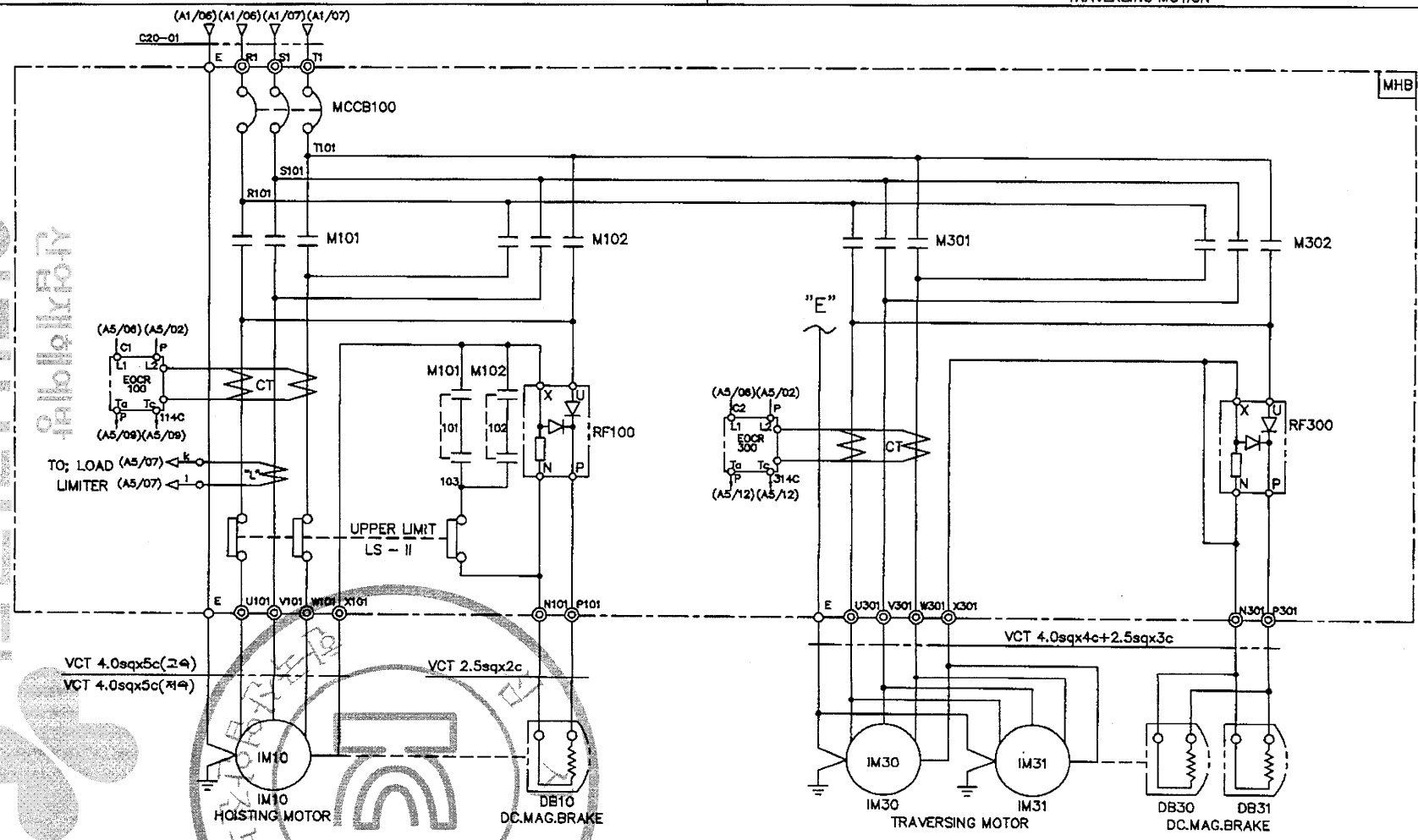
DWG. NO: KD01E43

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

ADR'S NO. 81

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 440V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 440V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	440/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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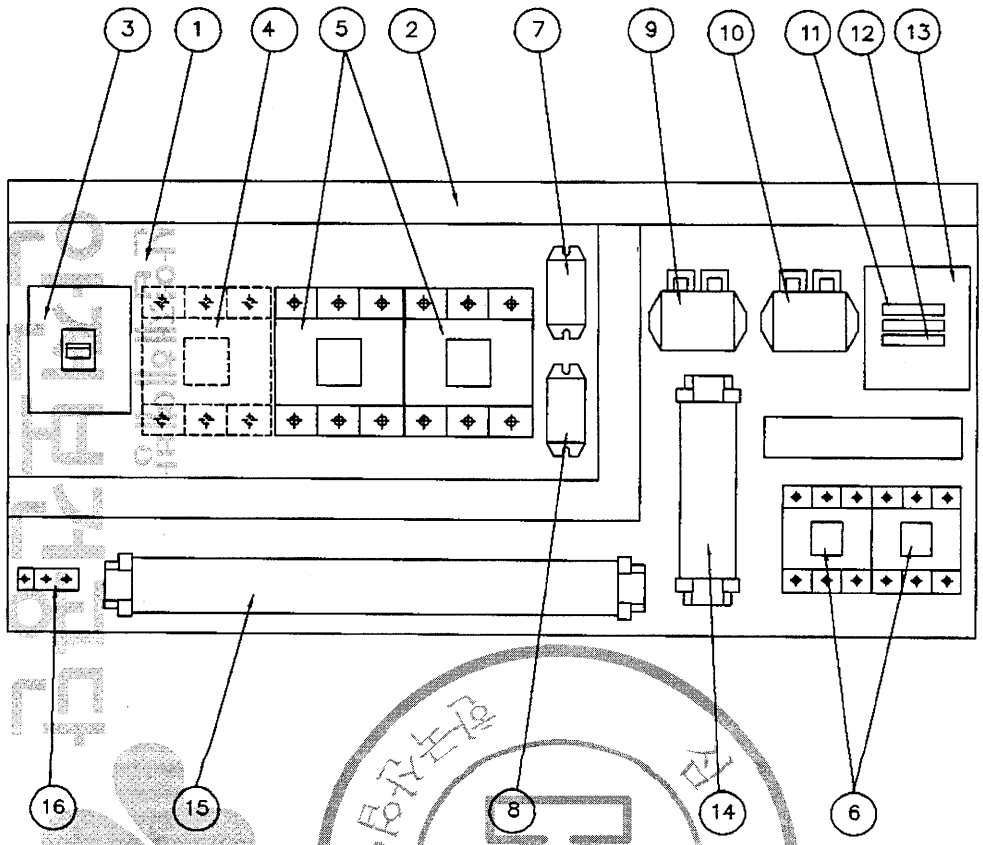
DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E44



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	460V/110,120V/60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 460V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE

1. 전선의 색상은 다음과 같다.
   1) 흑색 : 교류 및 직류 전원선로
   2) 적색 : 교류제어회로
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
2. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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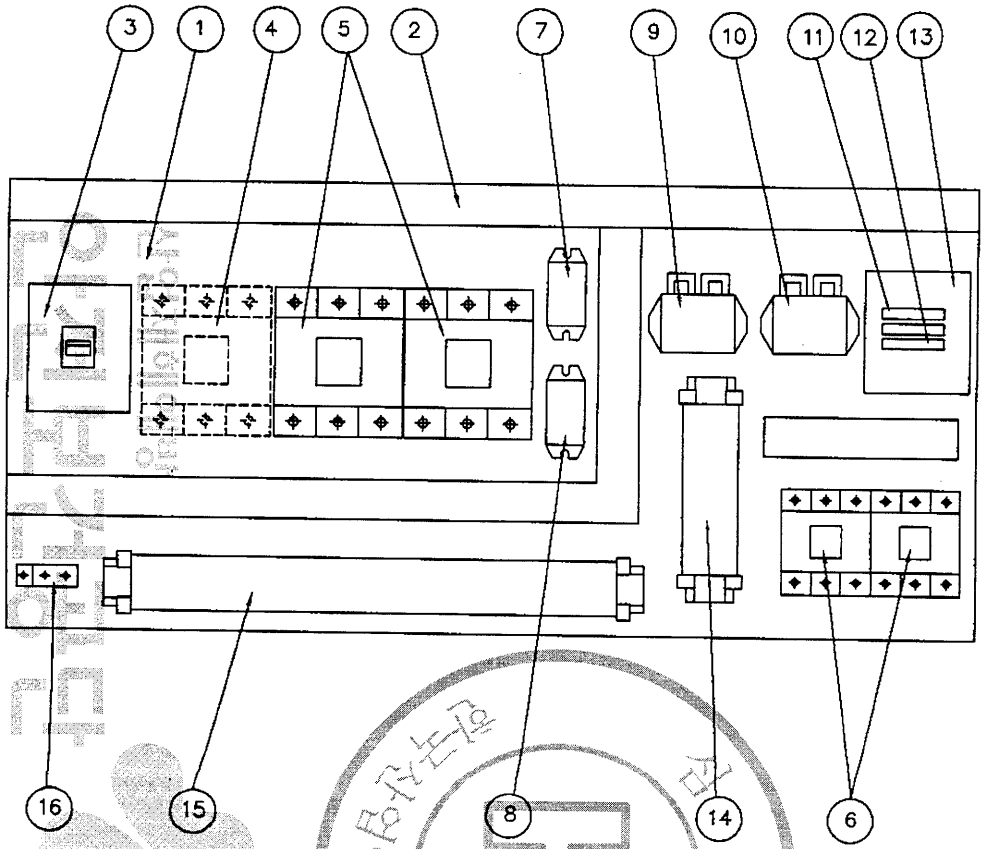
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (고속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA51	

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	460V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC 3ø 460V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

MK	DATE	REVISIONS	CHK.	APP.
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CUSTOMER

DRAWING TITLE: HOIST CONTROL BOX (중속)

ARRANGEMENT DRAWING

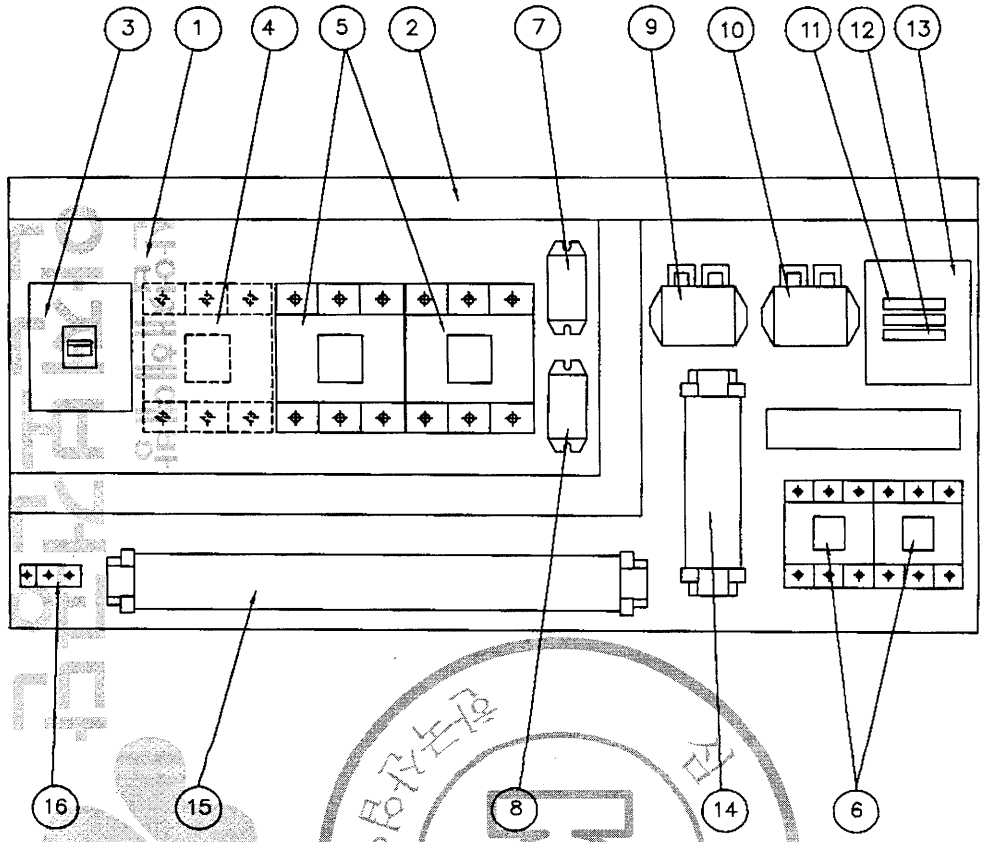
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD01BA52

ADR'S NO.

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	460V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC, 3ø 460V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (저속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA52	

불법복제 및 배포금지

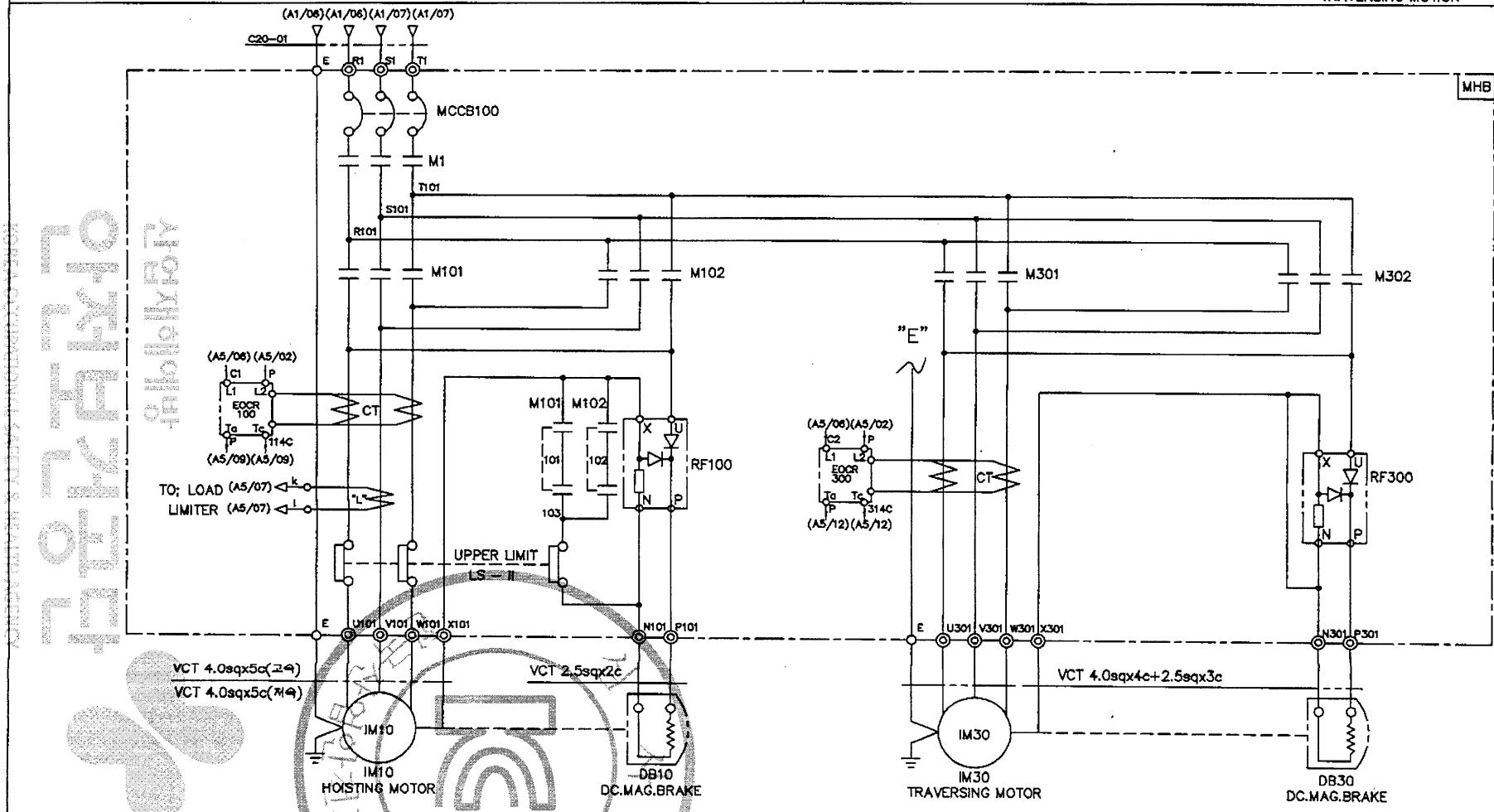
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

ADR'S NO. B1

HOISTING MOTION

TRAVERSING MOTION



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 460V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	-		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

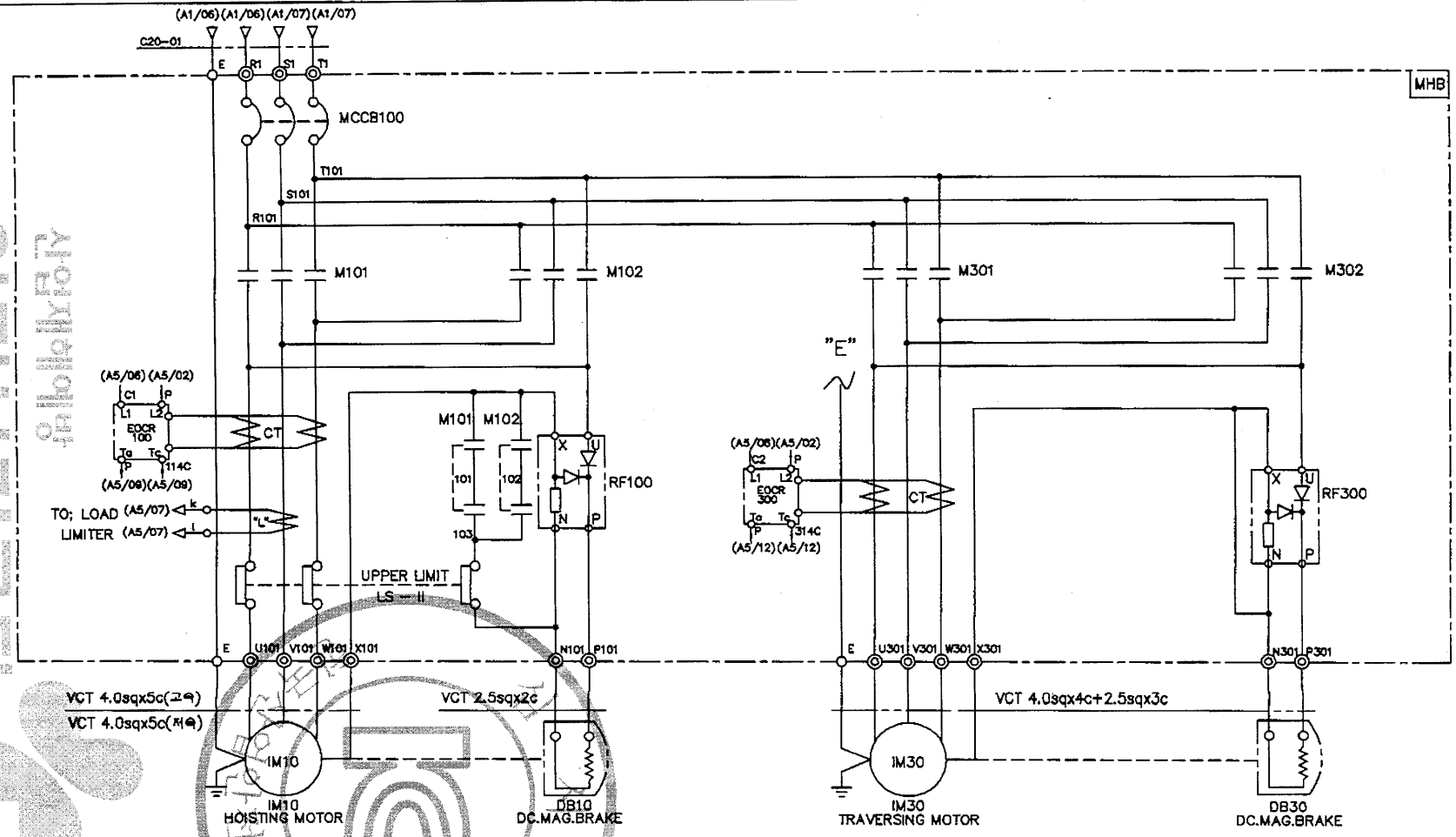
KID 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E51

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO.

HOISTING MOTION | TRAVERSING MOTION | B1



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 460V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	–		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

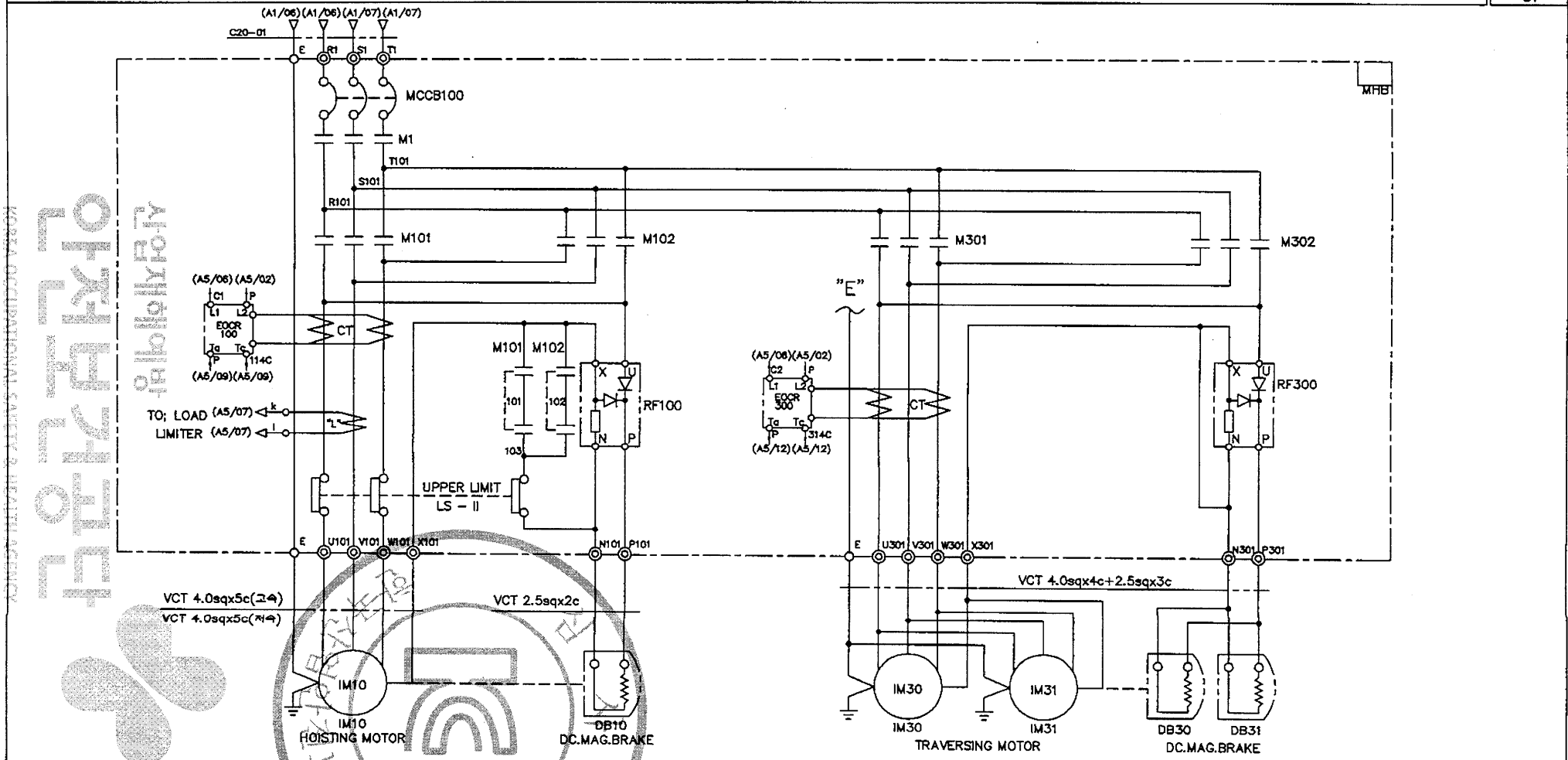
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E52

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 460V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	–		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD01E53

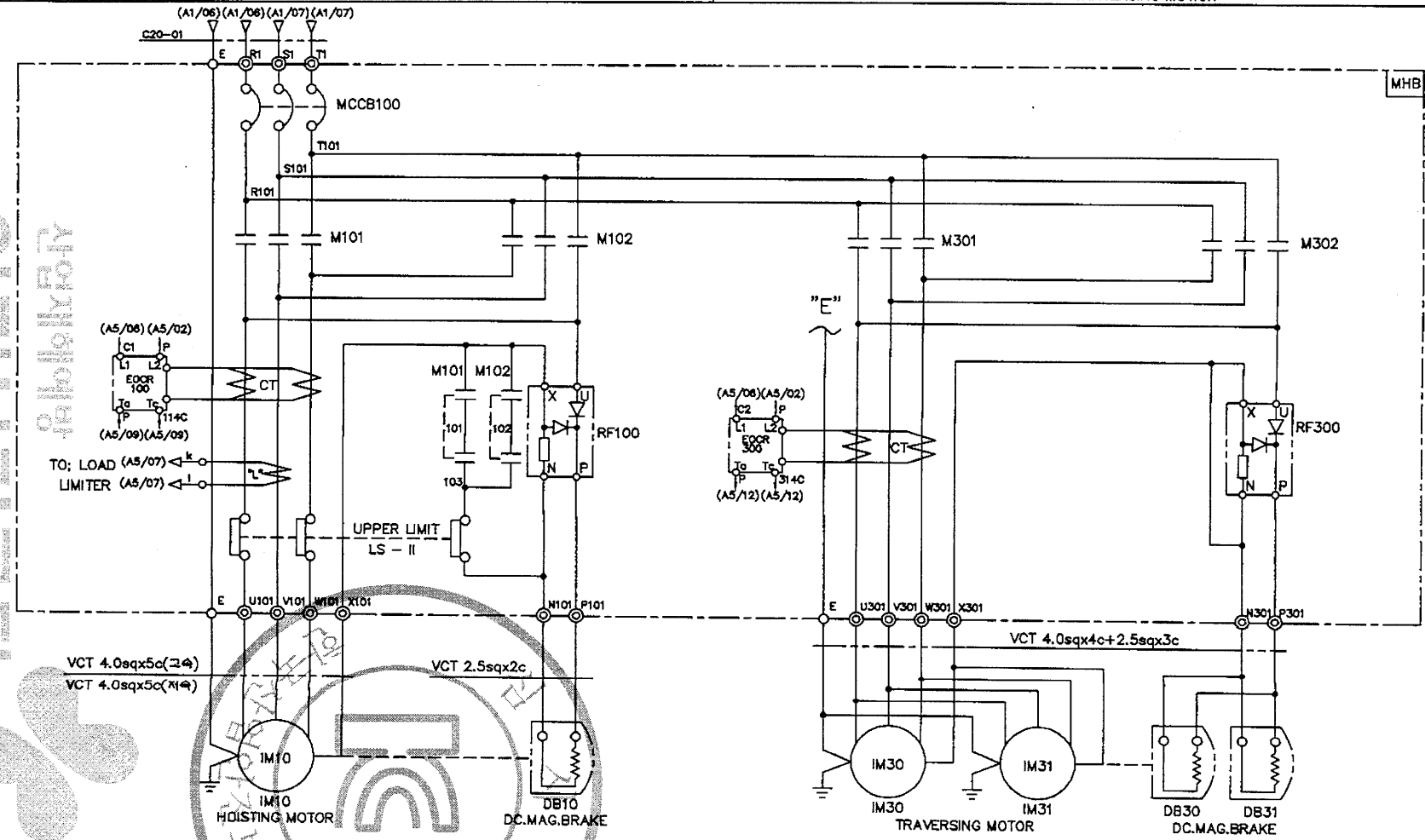
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

ADR'S NO. B1

HOISTING MOTION

TRAVERSING MOTION



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01	
	1TON AC 3PH 460V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/15AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/15AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 460V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/15AT	460/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	–		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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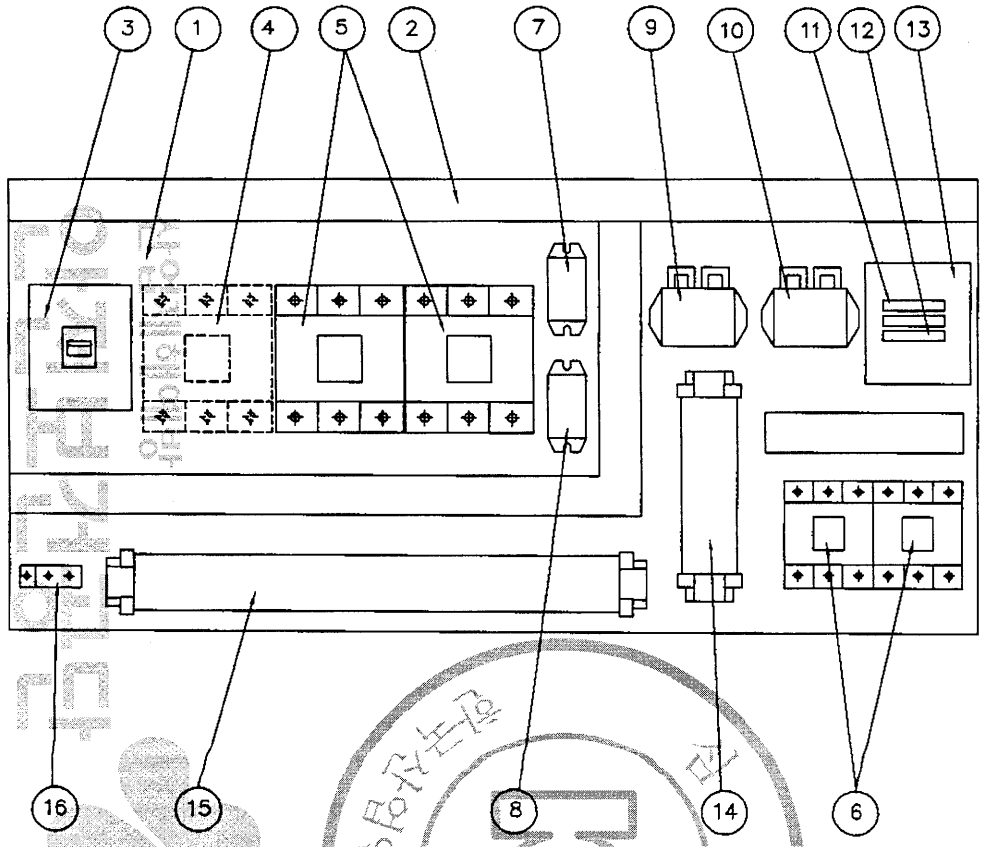
CUSTOMER	
DRAWING TITLE	HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO KD01E54

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	480V/110,120V/60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 480V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

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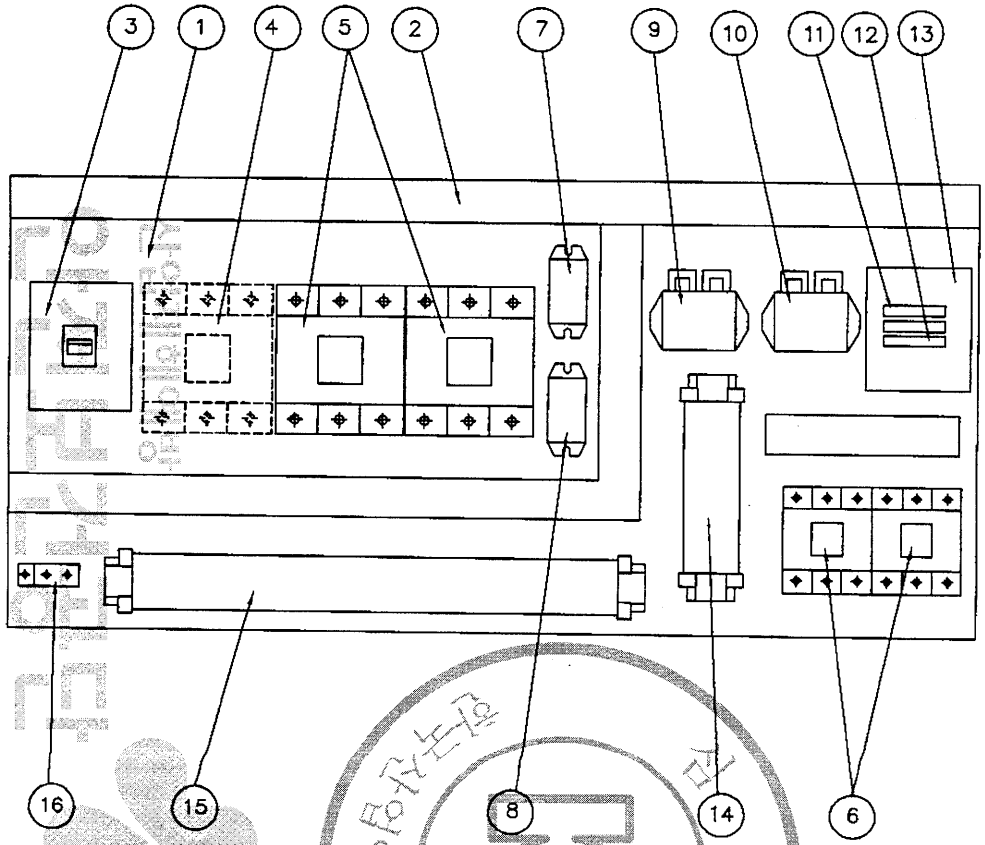
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (고속)					NONE		
	ARRANGEMENT DRAWING	극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA61	



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	480V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3t×20×50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 480V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

MK	DATE	REVISIONS	CHK.	APP.

CUSTOMER

DRAWING TITLE: HOIST CONTROL BOX (중속) / ARRANGEMENT DRAWING

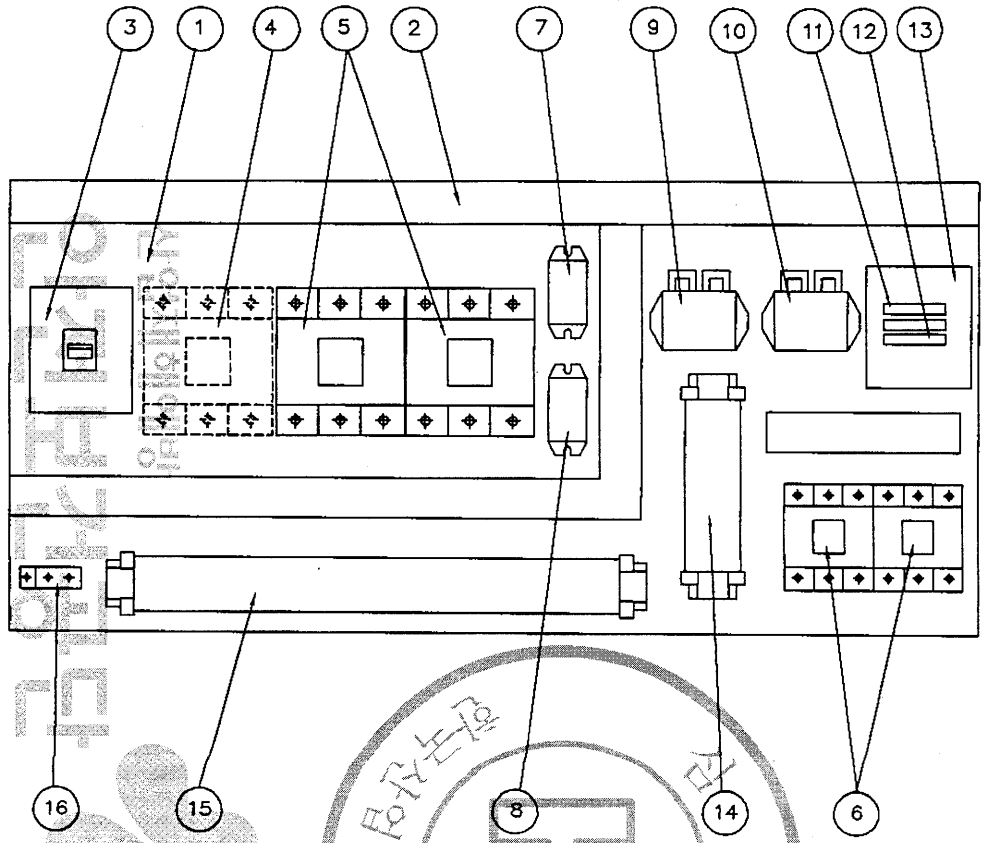
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01BA62

ADR'S NO.

ADR'S NO.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	33AF/10AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
7	SILICON RECTIFIER	SR-30	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	2 A	1	
13	TRANSFORMER	480V/110,120V/ 60VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량... : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 480V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청색 : 직류 제어선로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

MK	DATE	REVISIONS	CHK.	APP.
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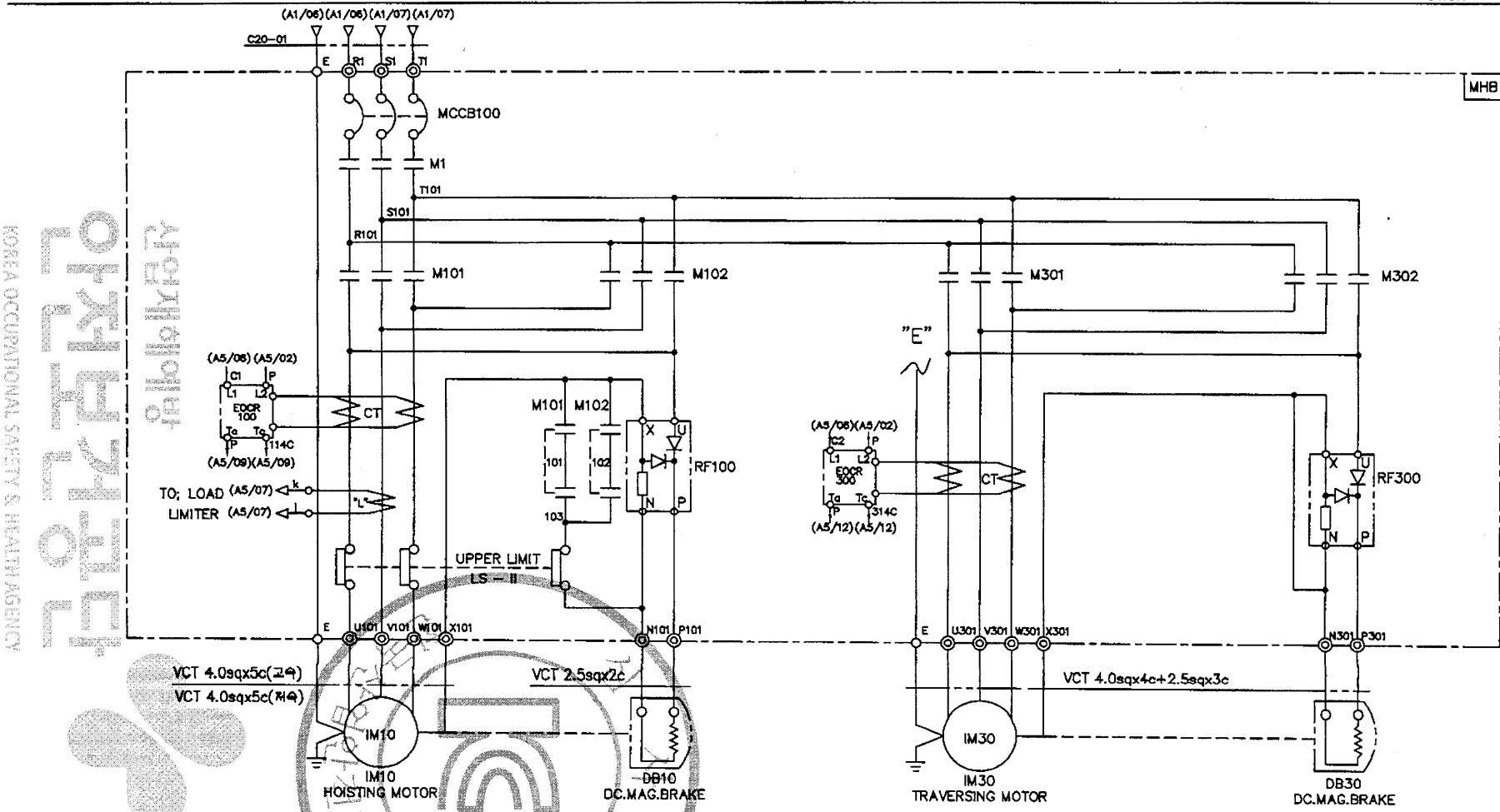
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	HOIST CONTROL BOX (저속)					NONE		
	ARRANGEMENT DRAWING	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD01BA62	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 480V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

MK	DATE	REVISIONS	CHK.	APP.
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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD01E61

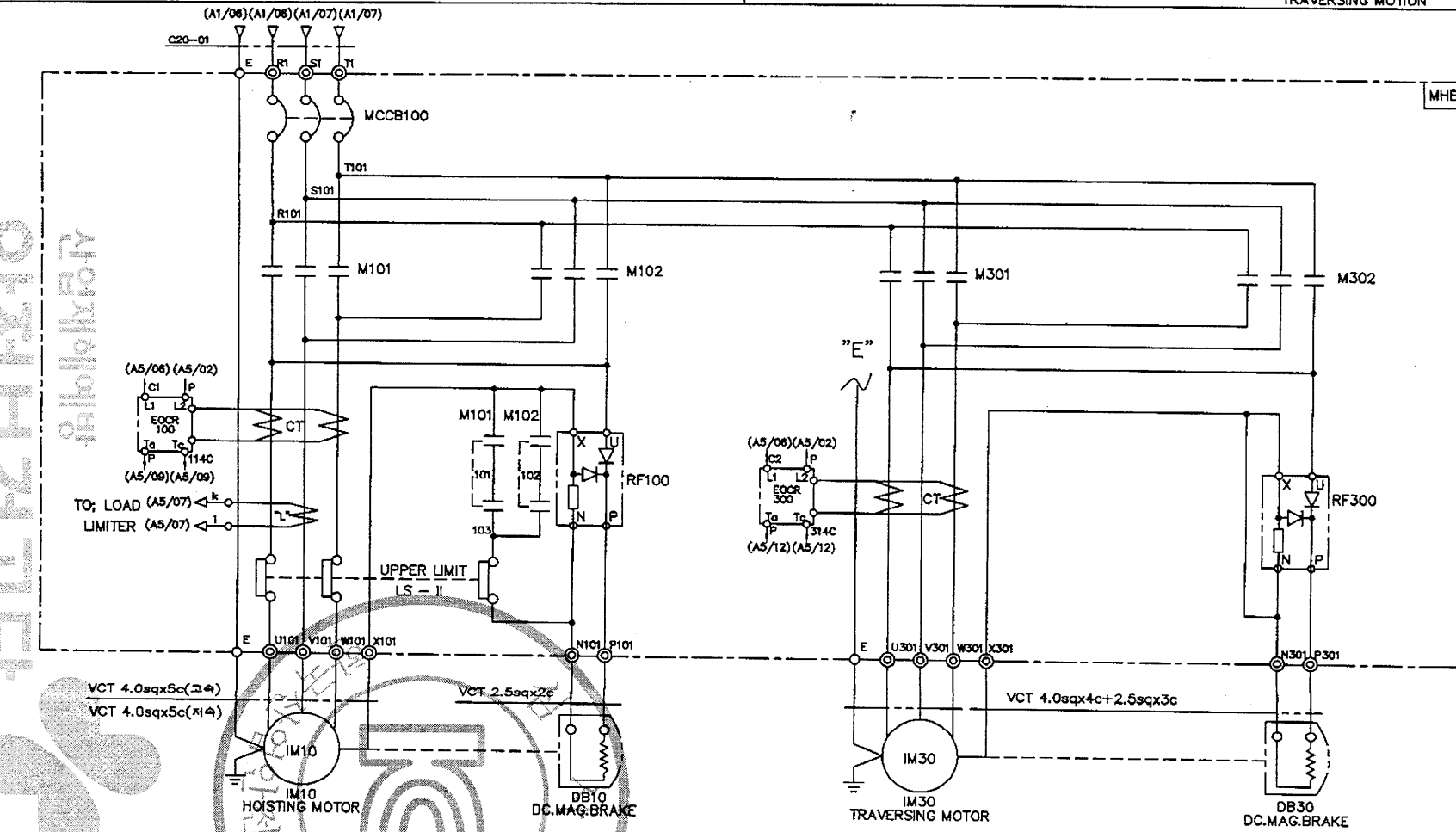
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

ADR'S NO. B1

HOISTING MOTION

TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 480V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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CUSTOMER

DRAWING TITLE: HOISTING & T/S POWER CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.

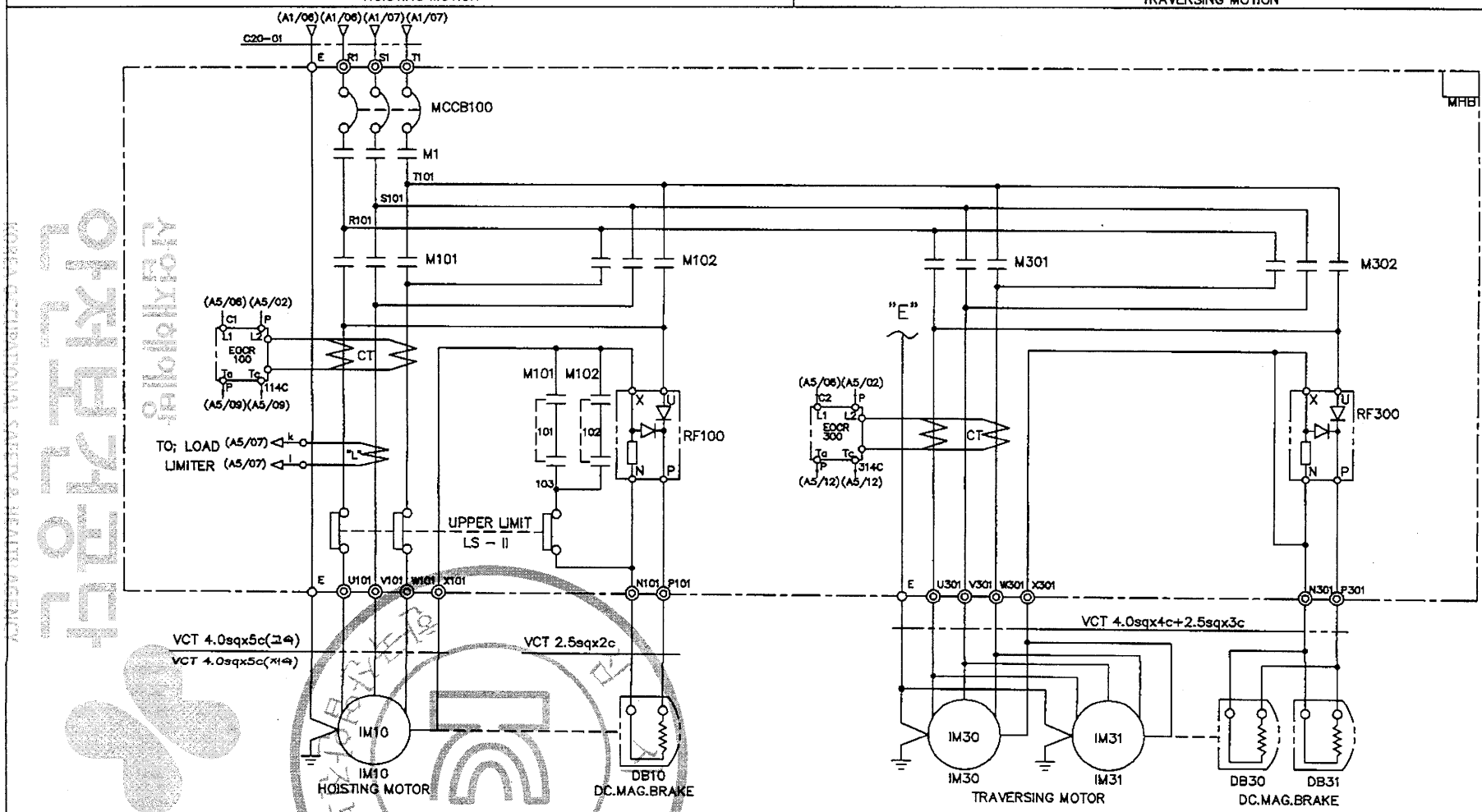
DWG. NO KD01E62

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT

ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 480V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	–		DONG-A			KUKDONG	ASAN				JUNGHO	DONGIL

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DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

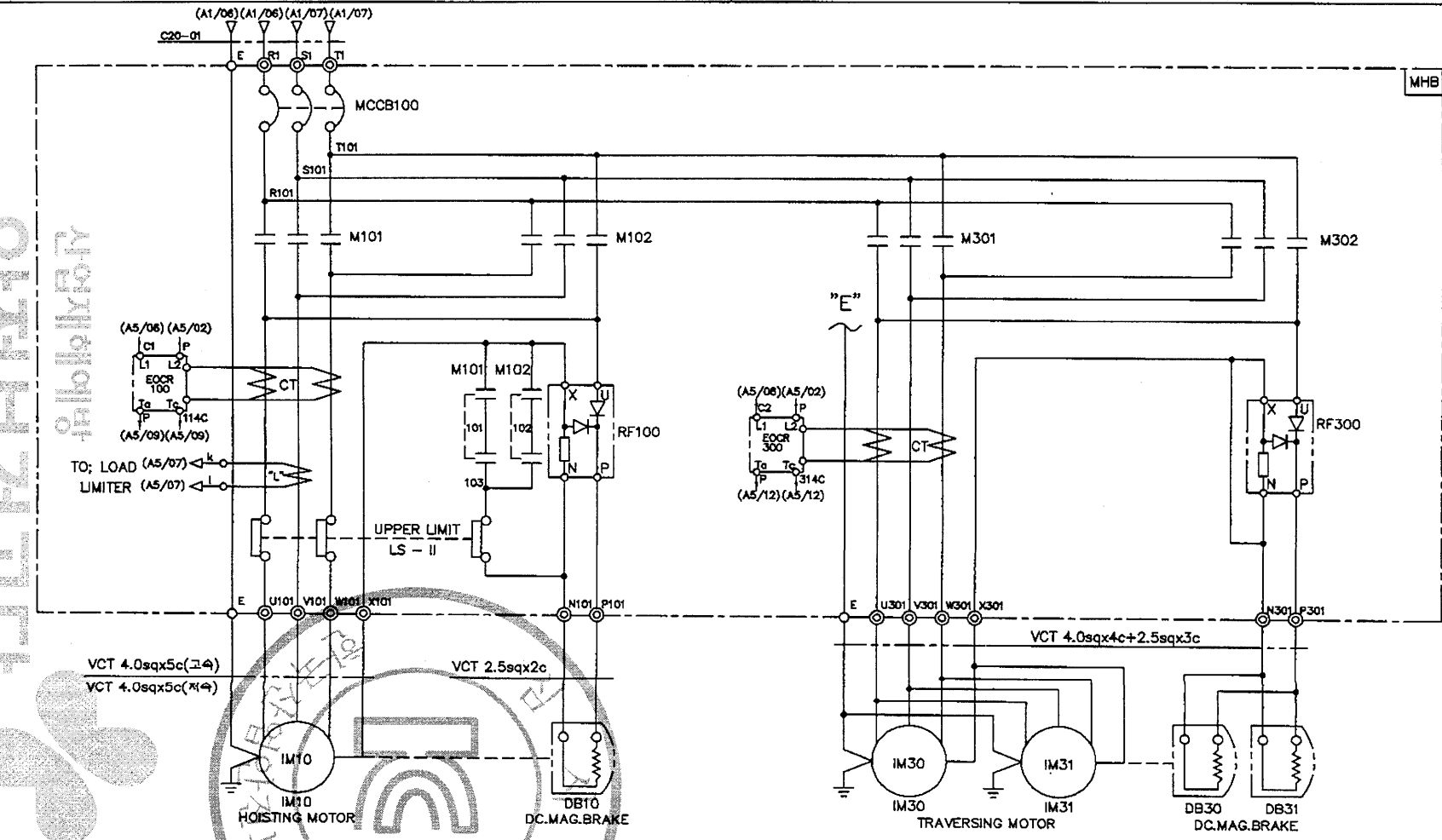
국동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO: KD01E63

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

POWER CIRCUIT | ADR'S NO. B1

HOISTING MOTION | TRAVERSING MOTION



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30,31	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
	1TON AC 3PH 480V 60Hz	2.4KW x 4P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.8KW x 6P	0.4KW x 4P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
	1TON AC 3PH 480V 60Hz	1.2KW x 8P	0.2KW x 6P	DC 100V	ABE-33AF/10AT	480/110,120V/60VA	1A	2A	DMC22C	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	SR-30	JDL-100	VFCT 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASAN				JUNGHO	DONGIL

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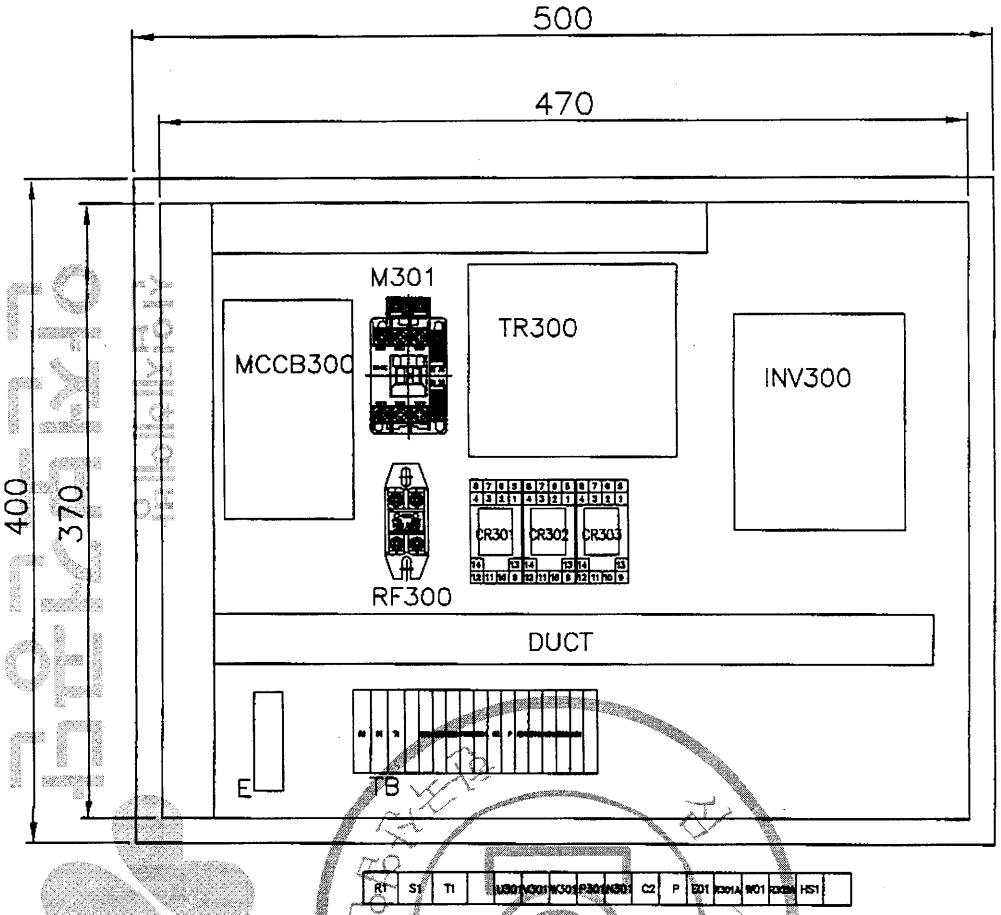
CUSTOMER

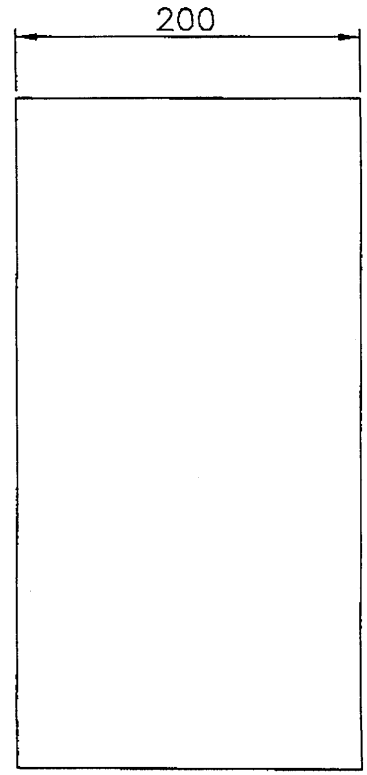
DRAWING TITLE: HOISTING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD01E64





NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.
2	속 판	SS400		1			
1	T/S BOX	PUR		1			

NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.
11	EARTH BUS BAR	PUR		1			
10	DUCT	PUR		1			
9	TERMINAL BLOCK	PUR		1			
8	INVERTER	PUR		1			
7	TR	PUR		1			
6	RELAY & SCOKET	PUR		1			
5	RF	PUR		1			
4	MC	PUR		1			
3	MCCB	PUR		1			

PROJECT				DATE	DIM
					mm
TITLE	T/S CONTROL PANEL(INVERTER)			SCALE	PROJECTION
				A3/3	3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING	

KD 국동호이스트 주식회사
KUK DONG HOIST CO., LTD.

SHEET No.

DWG No. KD1EI001

불법복제 및 배포금지

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

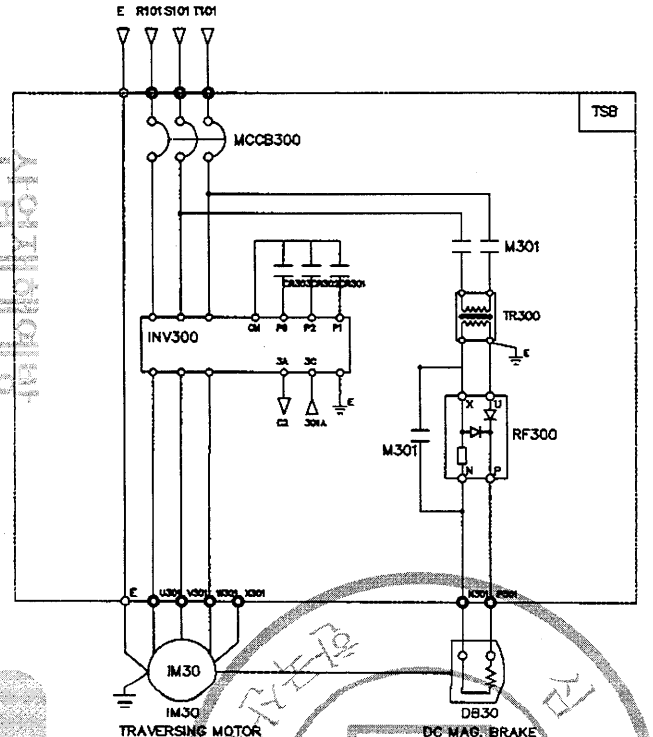
TRAVERSING MOTION

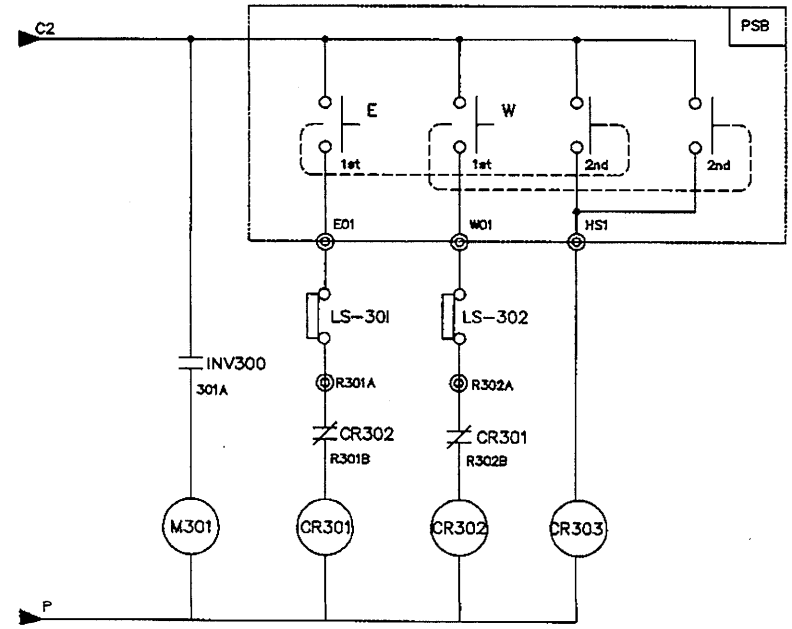
ADR'S NO.

POWER CIRCUIT DIAGRAM

CONTROL CIRCUIT DIAGRAM

BRAKE | EAST | WEST | HIGH SPEED





SPECIFICATION / SYMBOLS / DESCRIPTION	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	
		IM 30	DB30	MCCB300	TR 300	M301	CR301,302,303	INV300	RF300	
	AC 3PH 220V 60Hz	0.2KW x 6P	DC 100V	ABE-33AF/5AT	220/220V,200VA	DM-22C	MINI 4a4b(Coil AC110V)	SV041G5A-2	SR-30	
	AC 3PH 380(440,460,480)V 60Hz	0.2KW x 6P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,200VA	DM-22C	MINI 4a4b(Coil AC110V)	SV041G5A-4	SR-30	
SELECTION MAKER	KUK DONG HOIST							LS	ASAN	

MK	DATE	REVISIONS	CHK.	APP.
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		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER	INVERTER CONTROL							
DRAWING TITLE	TRAVERSING POWER & CONTROL CIRCUIT DIAGRAM							

KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

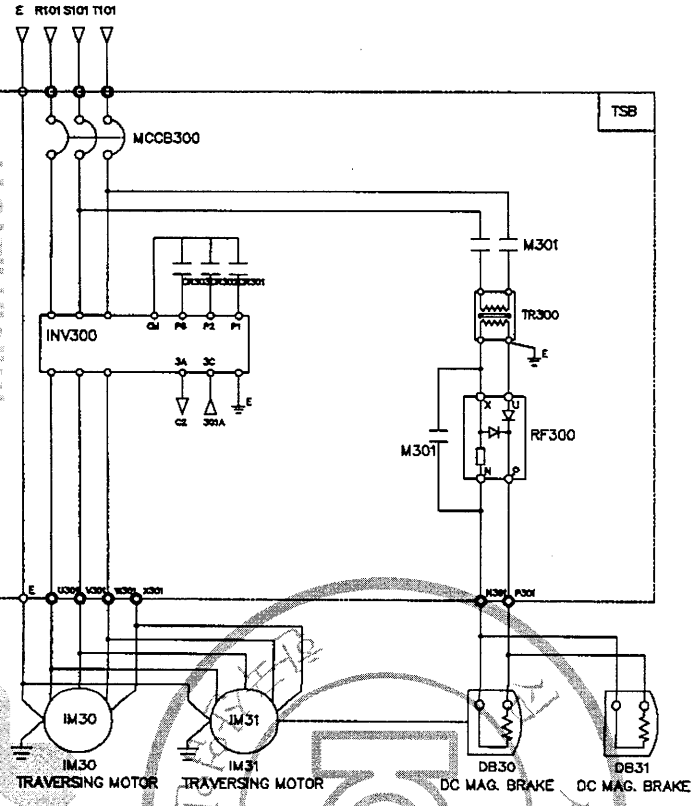
DWG. NO KD1E1002

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

TRAVERSING MOTION

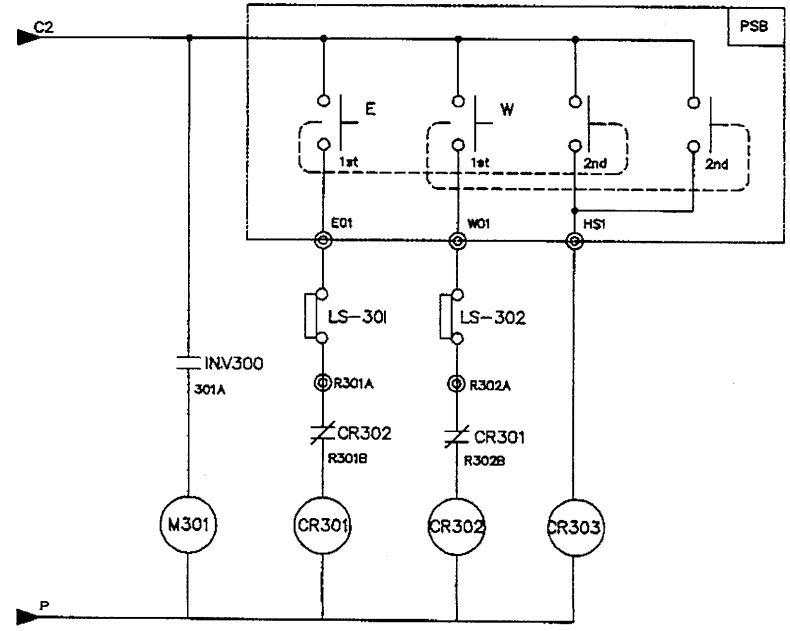
ADR'S NO.

POWER CIRCUIT DIAGRAM



CONTROL CIRCUIT DIAGRAM

BRAKE | EAST | WEST | HIGH SPEED



SPECIFICATION / SYMBOLS / DESCRIPTION	TRAVERSING POWER	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	
		IM 30,31	DB30,31	MCCB300	TR 300	M301	CR301,302,303	INV300	RF300	
	AC 3PH 220V 60Hz	0.2KW x 6P	DC 100V	ABE-33AF/10AT	220/220V,300VA	DM-22C	MINI 4c4b(Coil AC110V)	SV08iG5A-2	SR-30	
	AC 3PH 380(440,460,480)V 60Hz	0.2KW x 6P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,300VA	DM-22C	MINI 4c4b(Coil AC110V)	SV08iG5A-4	SR-30	
SELECTION / MAKER	KUK DONG HOIST							LS	ASAN	

MK	DATE	REVISIONS	CHK.	APP.
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CUSTOMER	INVERTER CONTROL
DRAWING TITLE	TRAVERSING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO KD1E1003

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

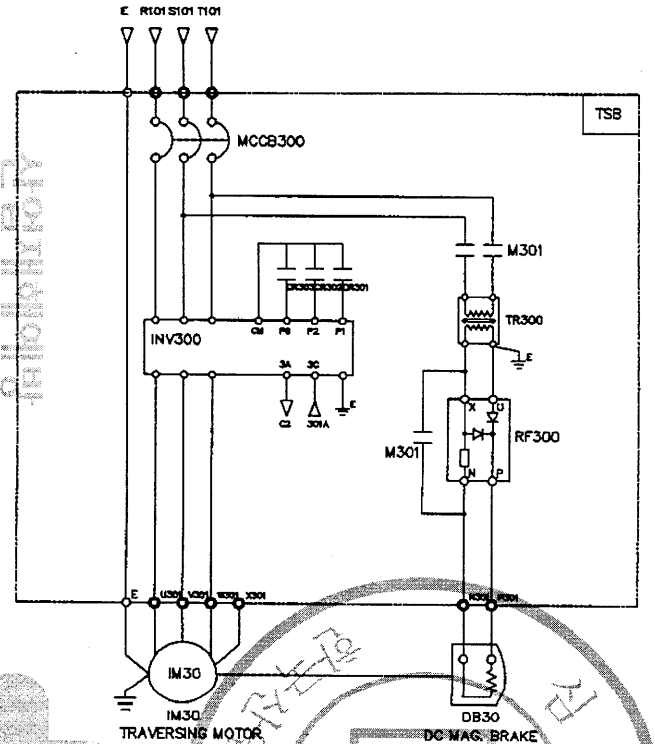
TRAVERSING MOTION

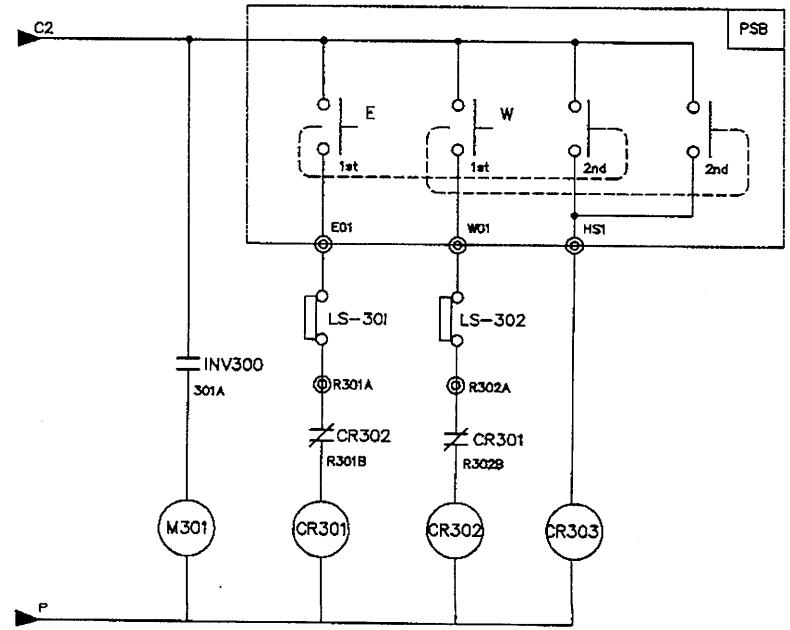
ADR'S NO.

POWER CIRCUIT DIAGRAM

CONTROL CIRCUIT DIAGRAM

BRAKE | EAST | WEST | HIGH SPEED





SPECIFICATION / SYMBOLS / DESCRIPTION	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	
		IM 30	DB30	MCCB300	TR 300	M301	CR301,302,303	INV300	RF300	
	AC 3PH 220V 60Hz	0.4KW x 4P	DC 100V	ABE-33AF/5AT	220/220V,200VA	DM-22C	MINI 4a4b(Coil AC110V)	SV008iG5A-2	SR-30	
	AC 3PH 380(440,460,480)V 60Hz	0.4KW x 4P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,200VA	DM-22C	MINI 4a4b(Coil AC110V)	SV008iG5A-4	SR-30	
SELECTION MAKER	KUK DONG HOIST							LS	ASAN	

MK	DATE	REVISIONS	CHK.	APP.
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		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER	INVERTER CONTROL							
DRAWING TITLE	TRAVERSING POWER & CONTROL CIRCUIT DIAGRAM							

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO KD1EI004

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

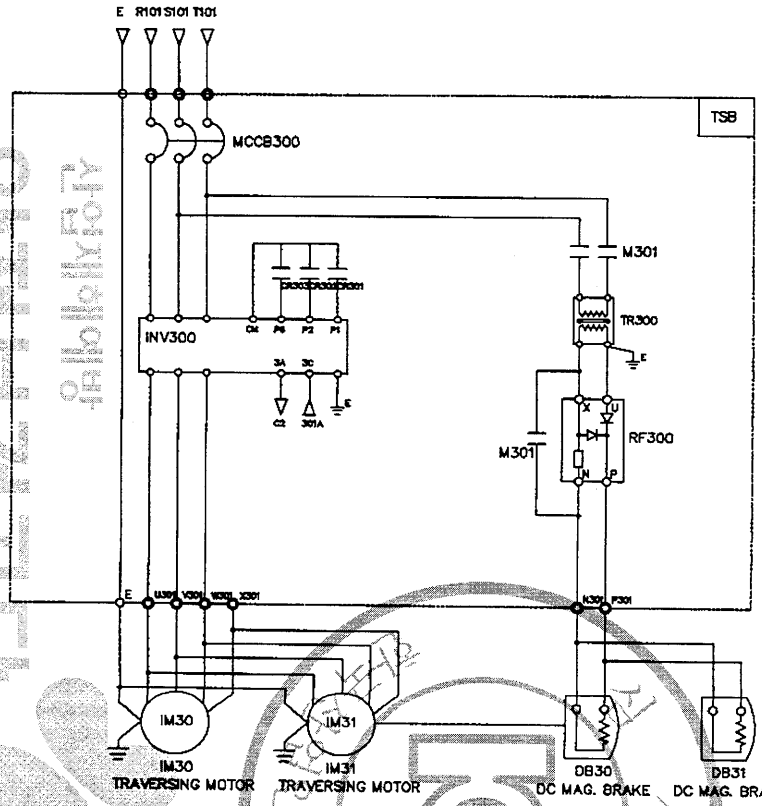
TRAVERSING MOTION

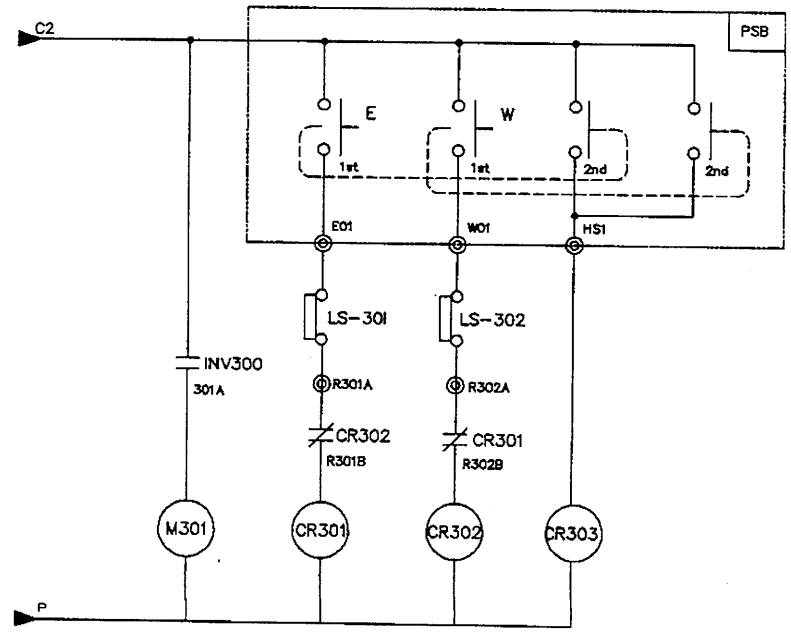
POWER CIRCUIT DIAGRAM

CONTROL CIRCUIT DIAGRAM

BRAKE	EAST	WEST	HIGH SPEED

ADR'S NO.





SPECIFICATION / SYMBOLS / DESCRIPTION	TRAVERSING POWER	TRAVERSING MOTOR	DC.MAG' BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	
		IM 30,31	DB30,31	MCCB300	TR 300	M301	CR301,302,303	INV300	RF300	
	AC 3PH 220V 60Hz	0.4KW x 4P	DC 100V	ABE-33AF/10AT	220/220V,300VA	DM-22C	MINI 4a4b(Coil AC110V)	SV015iG5A-2	SR-30	
	AC 3PH 380(440,460,480)V 60Hz	0.4KW x 4P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,300VA	DM-22C	MINI 4a4b(Coil AC110V)	SV015iG5A-4	SR-30	
SELECTION MAKER	KUK DONG HOIST							LS	ASAN	

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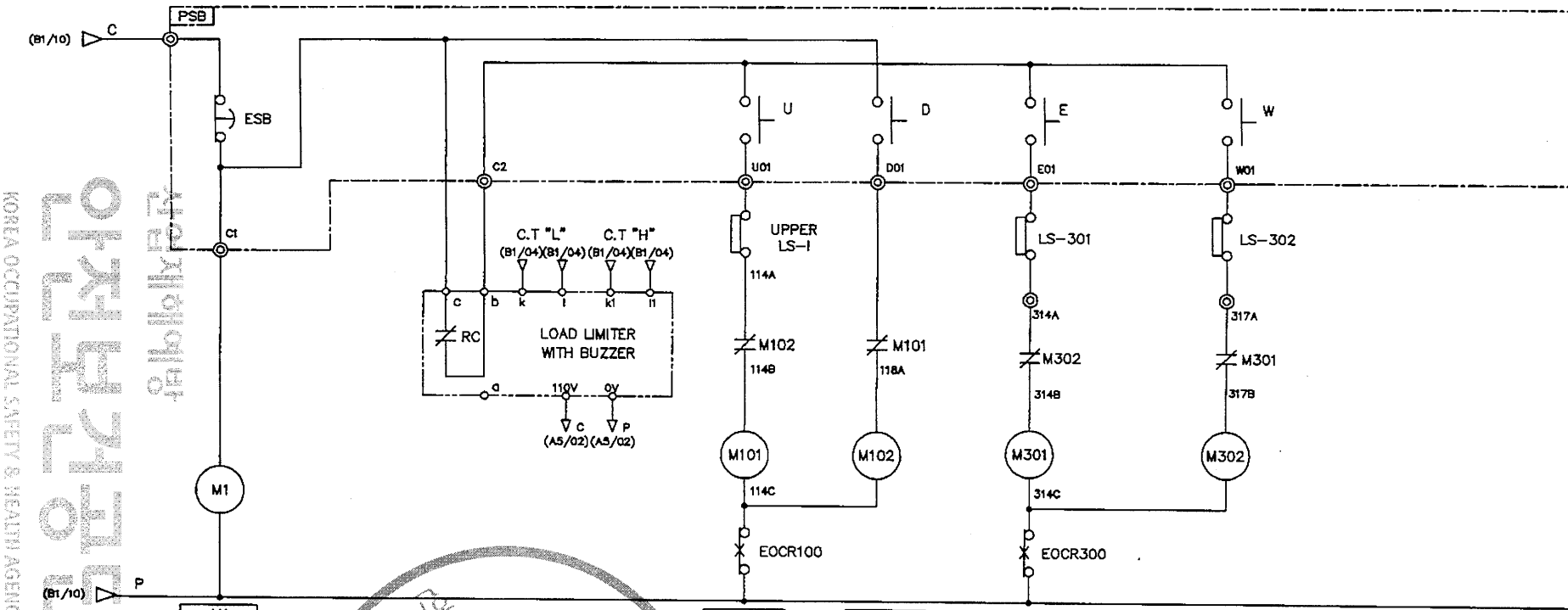
CUSTOMER	INVERTER CONTROL
DRAWING TITLE	TRAVERSING POWER & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.

KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO KD1EI005

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
CONTROL CIRCUIT																			ADR'S NO.
EM, STOP				LOAD LIMITER				UP		DOWN		EAST		WEST					A5



M1	
A	B1/05
A	B1/05
A	B1/05
a	
a	
b	
b	

M101	
A	B1/05
A	B1/05
A	B1/05
a	B1/07
a	B1/07
b	A5/11
b	

M102	
A	B1/08
A	B1/08
A	B1/08
a	B1/08
a	B1/08
b	A5/09
b	

M301	
A	B1/12
A	B1/12
A	B1/12
a	
a	
b	A5/15
b	

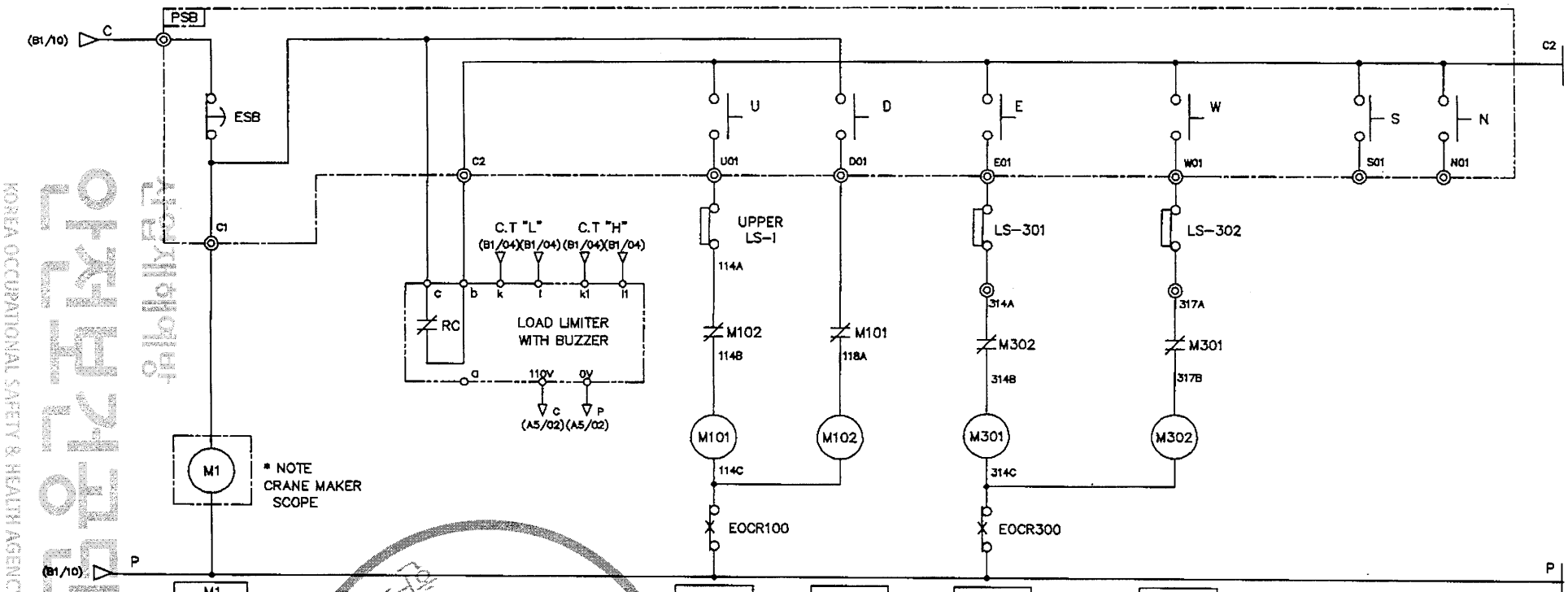
M302	
A	B1/16
A	B1/16
A	B1/16
a	
a	
b	A5/12
b	

SPECIFICATION / SYMBOLS / DESCRIPTION	UPPER LIMIT	PENDANT P.B S/W	LOAD LIMITER	LIMIT SWITCH
	LS-1	E.S.B	LOAD LIMITER	LS-301,302
	AC 600V 3A	250V 3A	JDL-100	HY - W904
	AC 600V 3A	250V 3A	JDL-100	HY - W904
MAKER	KUNHUNG	KG-AUTO	JUNGHO	HANYOUNG

MK	DATE	REVISIONS	CHK.	APP.
4				
3				
2				
1				

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DRAWING TITLE	MAIN POWER 2 & CONTROL CIRCUIT					NONE		
	DIAGRAM	KD 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KD02E001	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
CONTROL CIRCUIT																			ADR'S NO.
EM, STOP				LOAD LIMITER				UP		DOWN		EAST		WEST		SOUTH		NORTH	A5



M1	
A	B1/05
A	B1/05
A	B1/05
a	
a	
b	
b	

M101	
A	B1/05
A	B1/05
A	B1/05
a	B1/07
a	B1/07
b	A5/11
b	

M102	
A	B1/08
A	B1/08
A	B1/08
a	B1/08
a	B1/08
b	A5/09
b	

M301	
A	B1/12
A	B1/12
A	B1/12
a	
a	
b	A5/15
b	

M302	
A	B1/16
A	B1/16
A	B1/16
a	
a	
b	A5/12
b	

SPECIFICATION / SYMBOLS / DESCRIPTION	UPPER LIMIT	PENDANT P.B S/W	LOAD LIMITER	LIMIT SWITCH
	LS-1	E.S.B	LOAD LIMITER	LS-301,302
	AC 600V 3A	250V 3A	JDL-100	HY - W904
	AC 600V 3A	250V 3A	JDL-100	HY - W904
MAKER	KUNHUNG	KG-AUTO	JUNG-HO	HANYOUNG

MK	DATE	REVISIONS	CHK.	APP.
4				
3				
2				
1				

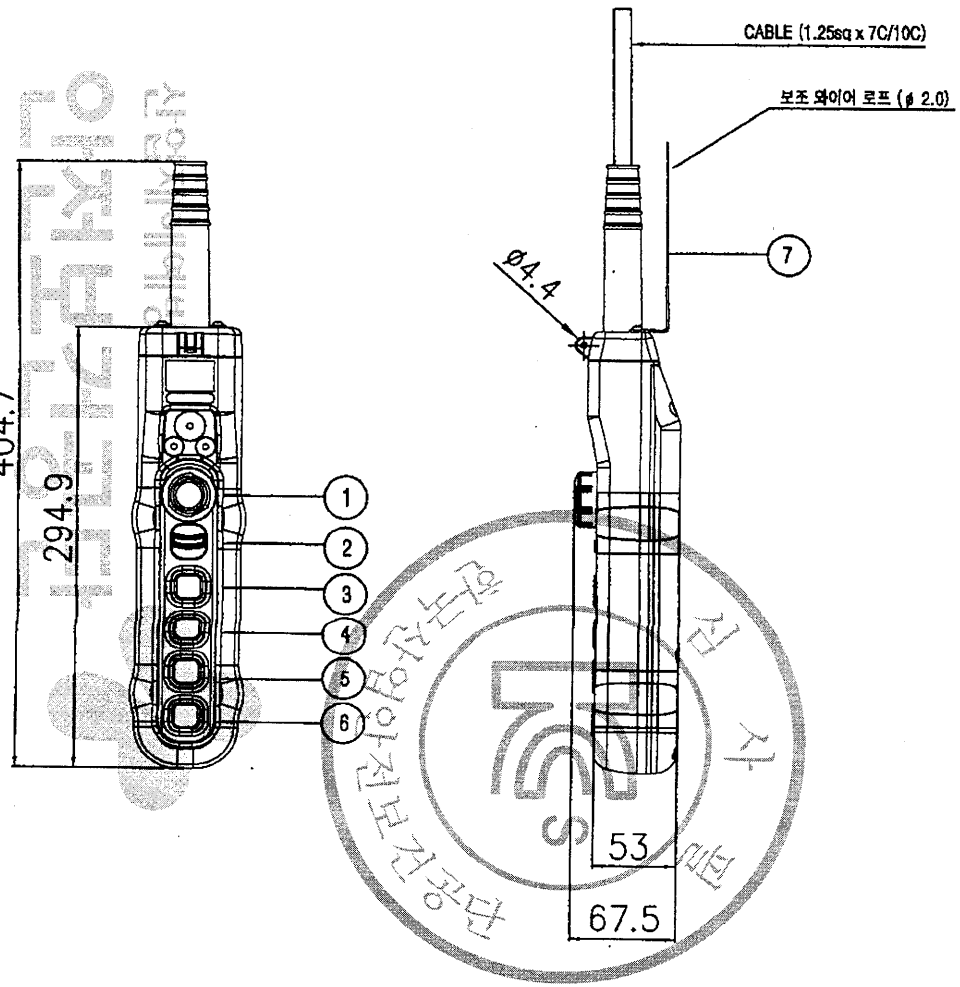
CUSTOMER

DRAWING TITLE: MAIN POWER 2 & CONTROL CIRCUIT DIAGRAM

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

KD 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.

DWG. NO: KD02E002



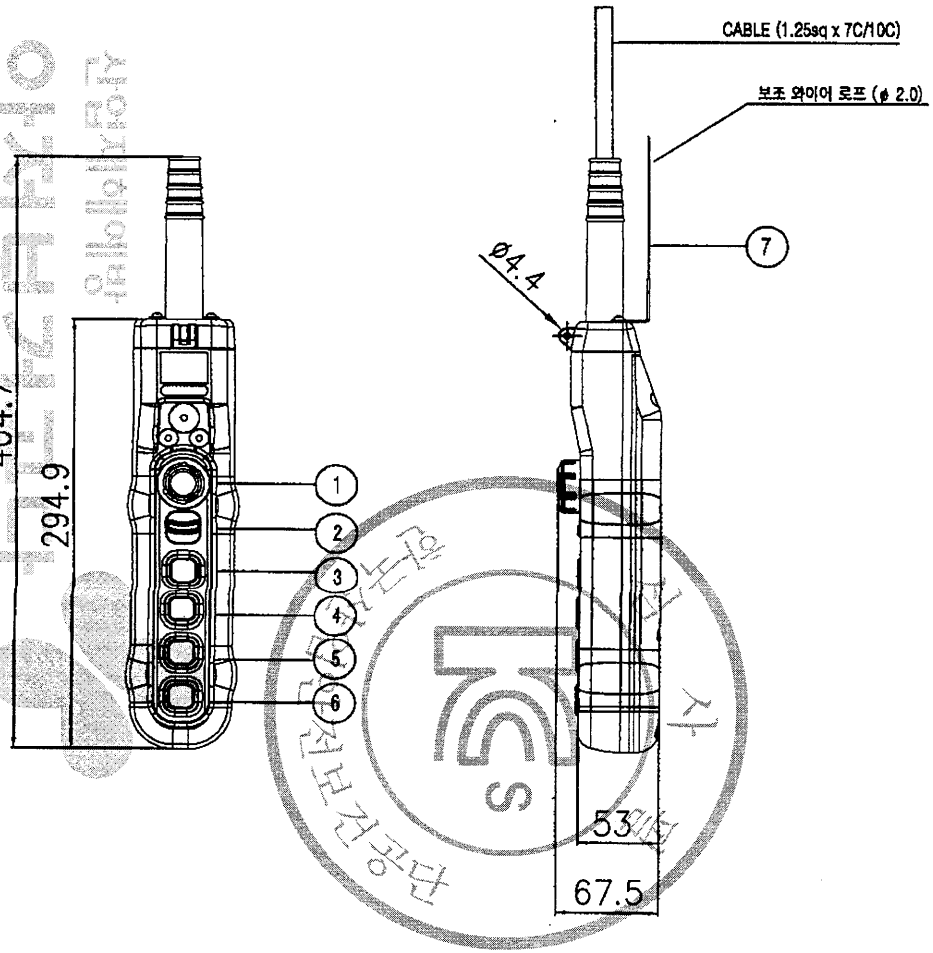
구분 / 색상	조작버튼	표시등
빨강색	비상	비상
노란색	비정상	비정상
녹색	정상	정상
청색	의무	의무
흰색,회색-흑색	지정된의미없음	기타

* MATERIAL : POLYCARBOBATE(PLASTIC)
* BODY COLOR : YELLOW, BLACK
* IP : 55 이상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			BLACK
3	상	PUSH BUTTON		
4	하	PUSH BUTTON		
5	동(전)	PUSH BUTTON		
6	서(후)	PUSH BUTTON		
7	보조 와이어	ø 2.0		

MK	DATE	REVISIONS	CHK.	APP.
⚠3				
⚠2				
⚠1				

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
DRAWING TITLE	PENDANT PUSH BUTTON SWITCH						
	LAY OUT	KUK DONG HOIST CO., LTD.			DWG. NO	KDSP – 004	

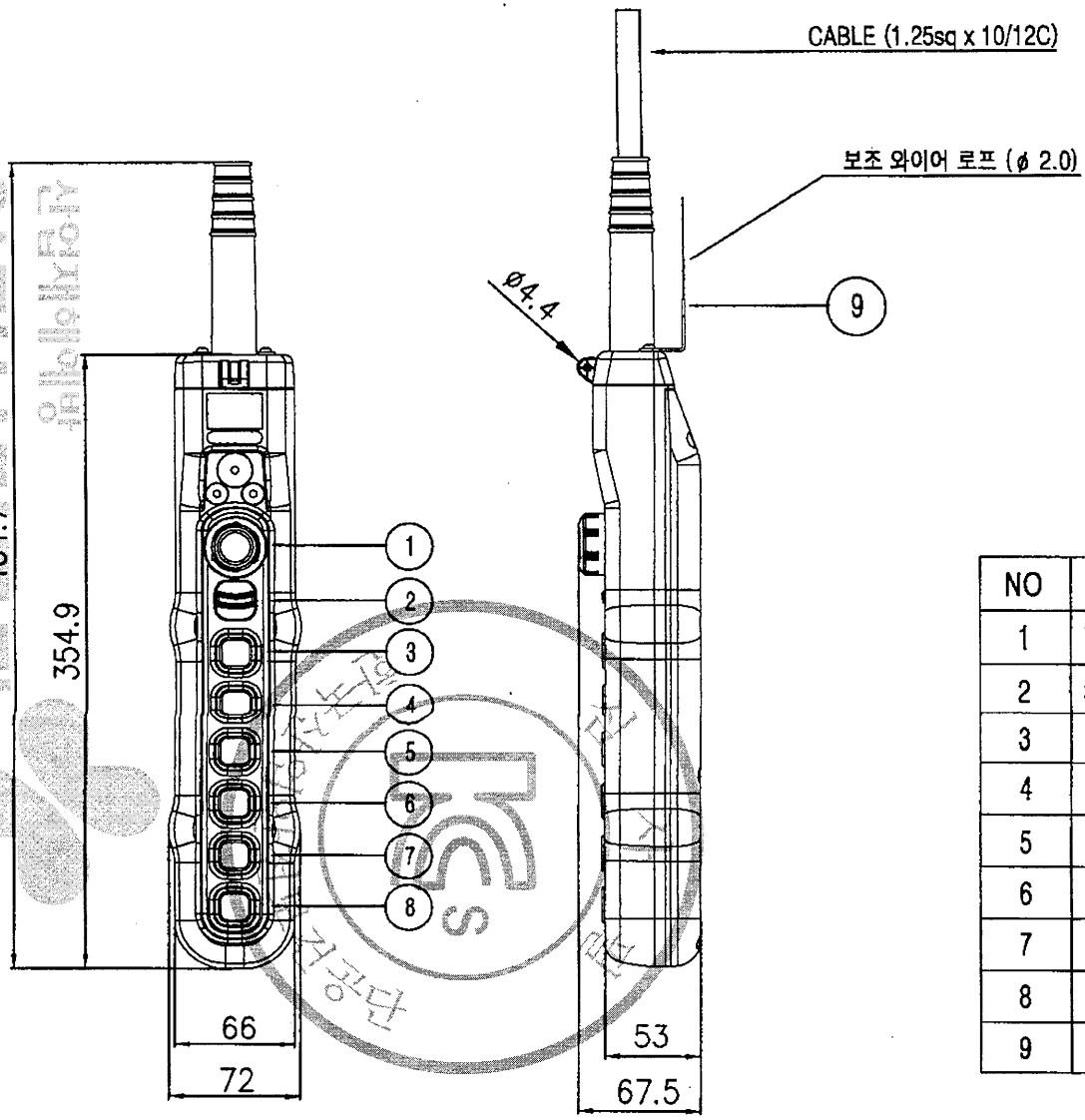


구분 / 색상	조작버튼	표시등
빨강색	비상	비상
노란색	비정상	비정상
녹색	정상	정상
청색	의무	의무
흰색,회색-흑색	지정된의미없음	기타

* MATERIAL : POLYCARBOBATE(PLASTIC)
* BODY COLOR : YELLOW, BLACK
* IP : 55 이상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			BLACK
3	상	PUSH BUTTON		
4	하	PUSH BUTTON		
5	동(전)	PUSH BUTTON (2STEP)		
6	서(후)	PUSH BUTTON (2STEP)		
7	보조 와이어	ø 2.0		

⚠3					CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
⚠2					DRAWING TITLE	PENDANT PUSH BUTTON SWITCH						
⚠1						LAY OUT	KD KUK DONG HOIST CO., LTD.			DWG. NO	KDSP - 0041	
MK	DATE	REVISIONS	CHK.	APP.								



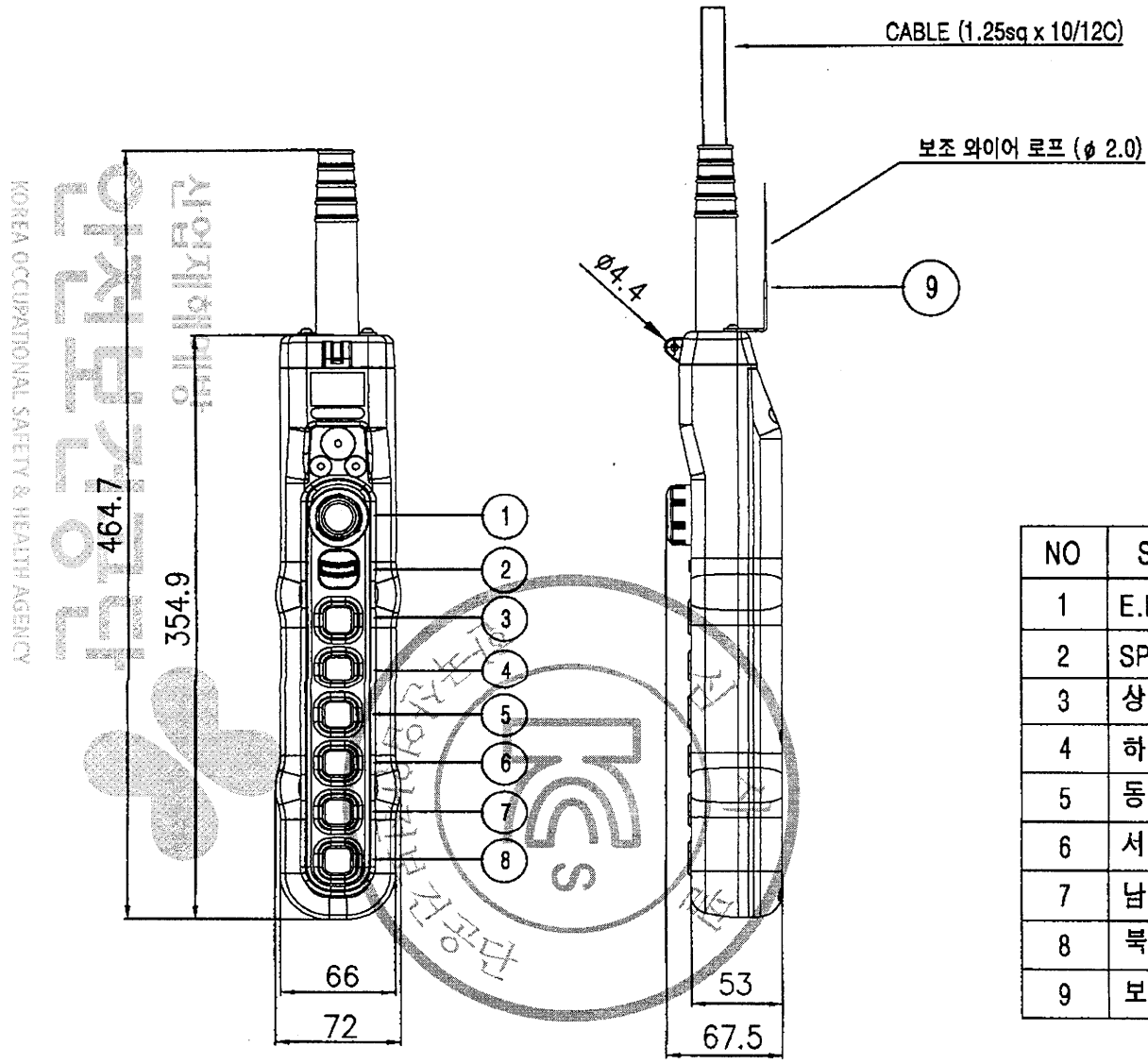
구분 / 색상	조작버튼	표시등
빨강색	비상	비상
노란색	비정상	비정상
녹색	정상	정상
청색	의무	의무
흰색,회색-흑색	지정된의미없음	기타

* MATERIAL : POLYCARBOBATE(PLASTIC)
* BODY COLOR : YELLOW, BLACK
* IP : 55 이상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			BLACK
3	상	PUSH BUTTON		
4	하	PUSH BUTTON		
5	동 (좌)	PUSH BUTTON		
6	서 (우)	PUSH BUTTON		
7	남 (전)	PUSH BUTTON		
8	북 (후)	PUSH BUTTON		
9	보조 WIRE	ø 2.0		

MK	DATE	REVISIONS	CHK.	APP.
3				
2				
1				

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
DRAWING TITLE	PENDANT PUSH BUTTON SWITCH						
	LAY OUT	KD KUK DONG HOIST CO., LTD.			DWG. NO	KDSP – 005	



구분 / 색상	조작버튼	표시등
빨강색	비상	비상
노란색	비정상	비정상
녹색	정상	정상
청색	의무	의무
흰색,회색-흑색	지정된의미없음	기타

* MATERIAL : POLYCARBOBATE(PLASTIC)
* BODY COLOR : YELLOW, BLACK
* IP : 55 이상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			BLACK
3	상	PUSH BUTTON		
4	하	PUSH BUTTON		
5	동 (좌)	PUSH BUTTON (2STEP)		
6	서 (우)	PUSH BUTTON (2STEP)		
7	남 (전)	PUSH BUTTON		
8	북 (후)	PUSH BUTTON		
9	보조 WIRE	ø 2.0		

MK	DATE	REVISIONS	CHK.	APP.
③				
②				
①				

CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
DRAWING TITLE	PENDANT PUSH BUTTON SWITCH						
	LAY OUT	KD KUK DONG HOIST CO., LTD.			DWG. NO	KDSP - 0051	

Ⅳ. 참 고 도 서

1 LOAD LIMITER 권고 SETTING 치
2 E.O.C.R 권고 SETTING치
3 MOTOR DATA SHEET
4 사용방법 설명서 (HOIST, OLP)
5 PUSH BUTTON 카다록 및 IP 성적서
6 WIRE ROPE 성적서
7 SUB VENDOR LIST
8 INVERTER 취급설명서

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	10 A
12. LOCKED ROTOR CURRENT	59 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	2.88 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	5.6 A
12. LOCKED ROTOR CURRENT	34.2 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	2.88 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	5.0 A
12. LOCKED ROTOR CURRENT	29.5 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	2.88 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	4.8 A
12. LOCKED ROTOR CURRENT	28.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	2.88 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	4.6 A
12. LOCKED ROTOR CURRENT	27.1 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	2.88 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	7.6 A
12. LOCKED ROTOR CURRENT	49.4 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	69 %
16. FULL LOAD TORQUE	2.09 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	5.4 A
12. LOCKED ROTOR CURRENT	28.6 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	69 %
16. FULL LOAD TORQUE	2.09 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.8 A
12. LOCKED ROTOR CURRENT	24.7 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	69 %
16. FULL LOAD TORQUE	2.09 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.6 A
12. LOCKED ROTOR CURRENT	23.6 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	69 %
16. FULL LOAD TORQUE	2.09 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.5 A
12. LOCKED ROTOR CURRENT	22.6 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	69 %
16. FULL LOAD TORQUE	2.09 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	8.0 A
12. LOCKED ROTOR CURRENT	41.3 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	71 %
15. POWER FACTOR AT 100% RATED LOAD	51.5 %
16. FULL LOAD TORQUE	3.62 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	4.6 A
12. LOCKED ROTOR CURRENT	23.8 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	71 %
15. POWER FACTOR AT 100% RATED LOAD	51.5 %
16. FULL LOAD TORQUE	3.62 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	4.0 A
12. LOCKED ROTOR CURRENT	20.5 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	71 %
15. POWER FACTOR AT 100% RATED LOAD	51.5 %
16. FULL LOAD TORQUE	3.62 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	3.8 A
12. LOCKED ROTOR CURRENT	19.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	71 %
15. POWER FACTOR AT 100% RATED LOAD	51.5 %
16. FULL LOAD TORQUE	3.62 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	3.6 A
12. LOCKED ROTOR CURRENT	18.9 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	71 %
15. POWER FACTOR AT 100% RATED LOAD	51.5 %
16. FULL LOAD TORQUE	3.62 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	2.7 A
12. LOCKED ROTOR CURRENT	14.2 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	1.6 A
12. LOCKED ROTOR CURRENT	8.3 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T.E.N.V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	1.4 A
12. LOCKED ROTOR CURRENT	7.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	1.3 A
12. LOCKED ROTOR CURRENT	6.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	1.2 A
12. LOCKED ROTOR CURRENT	6.6 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.2 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	8.6 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	56 %
15. POWER FACTOR AT 100% RATED LOAD	46.5 %
16. FULL LOAD TORQUE	0.42 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.2 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	1.2 A
12. LOCKED ROTOR CURRENT	5.0 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	56 %
15. POWER FACTOR AT 100% RATED LOAD	46.5 %
16. FULL LOAD TORQUE	0.42 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.2 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	1.0 A
12. LOCKED ROTOR CURRENT	4.3 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	56 %
15. POWER FACTOR AT 100% RATED LOAD	46.5 %
16. FULL LOAD TORQUE	0.42 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.2 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	1.0 A
12. LOCKED ROTOR CURRENT	4.1 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	56 %
15. POWER FACTOR AT 100% RATED LOAD	46.5 %
16. FULL LOAD TORQUE	0.42 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.2 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	0.9 A
12. LOCKED ROTOR CURRENT	3.9 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	56 %
15. POWER FACTOR AT 100% RATED LOAD	46.5 %
16. FULL LOAD TORQUE	0.42 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6202zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 220V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.0 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	7.6 A	8.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.0 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	12.0 A	13.2 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.6 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.0 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.0 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	38.4 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	38.4 A	CT-1	K, L	5 V.A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 380V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	5.4 A	4.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.4 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.2 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.4 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	7.0 A	7.7 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	10.3 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.4 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.5 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.4 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.5 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	23.1 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	18.0 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	23.1 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	18.0 A	CT-1	K, L	5 V.A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 440V 60Hz

극동호이스트㈜

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.6 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.8 A	4.5 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.9 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.6 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.9 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.8 A	6.4 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 460V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.4 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.6 A	4.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	5.9 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
2.8T	2.5KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-1	K, L	5 V.A	
3TON	2.8KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 480V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.5 A	3.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.2 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.1 A	5.8 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.3 A	6.0 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	19.9 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	19.9 A	CT-1	K, L	5 V.A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3¢ 220V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.0 A	
	1.5KW x 6P	7.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	7.6 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
1 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.0 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
2 TON	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
	2.5KW x 6P	12.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.0 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
2.8 TON	2.5KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.7 A	
	5.0KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
3 TON	2.8KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.7 A	
	5.5KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
5 TON	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
	8.5KW x 4P	34.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	34.4 A	
7.5 TON	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
	8.5KW x 4P	34.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	34.4 A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3¢ 380V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	1 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.6 A	
	1.5KW x 6P	5.4 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.4 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
1 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.6 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
2 TON	1.8KW x 8P	6.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.4 A	
	2.5KW x 6P	7.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.0 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
2.8 TON	2.5KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.3 A	
	5.0KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
3 TON	2.8KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.3 A	
	5.5KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
5 TON	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
	8.5KW x 4P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.9 A	
7.5 TON	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
	8.5KW x 4P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.9 A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3¢ 440V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-06	3 SEC	1 SEC	4.0 A	
	1.5KW x 6P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
1 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.0 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
2 TON	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
	2.5KW x 6P	5.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
2.8 TON	2.5KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.9 A	
	5.0KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
3 TON	2.8KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.9 A	
	5.5KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
5 TON	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.5 A	
	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	
7.5 TON	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.5 A	
	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3¢ 460V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	1.5KW x 6P	3.6 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.6 A	
	2.4KW x 4P	4.8 A	1 DRAVE	SS-06	3 SEC	1 SEC	4.8 A	
1 TON	1.2KW x 8P	3.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
	2.4KW x 4P	5%	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
2 TON	1.8KW x 8P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
	2.5KW x 6P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
2.8 TON	2.5KW x 8P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
	5.0KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
3 TON	2.8KW x 8P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
	5.5KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
5 TON	4.2KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	
7.5 TON	4.2KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3¢ 480V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	3.6 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.6 A	
	1.5KW x 6P	3.5 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.5 A	
	2.4KW x 4P	4.6 A	1 DRAVE	SS-06	3 SEC	1 SEC	4.6 A	
1 TON	1.2KW x 8P	3.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	3.6 A	
	2.4KW x 4P	4.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	4.6 A	
2 TON	1.8KW x 8P	5.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.1 A	
	2.5KW x 6P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
2.8 TON	2.5KW x 8P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
	5.0KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
3 TON	2.8KW x 8P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
	5.5KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
5 TON	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
	8.5KW x 4P	15.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	15.8 A	
7.5 TON	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
	8.5KW x 4P	15.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	15.8 A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

KISWIRE

ORIGINAL

CERT NO. 200612WRU58300 DATE *Feb. 15, 2010*

MILL TEST CERTIFICATE

THIS IS TO CERTIFY THAT THE MATERIAL DESCRIBED BELOW WAS MANUFACTURED IN ACCORDANCE WITH KISWIRE LTD SPECIFICATION AND APPLICABLE SECTIONS OF KSD 3514 - 2002 (B Grade)

TO MESSRS

MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE

06 X 37 + FC 1000 M X 5 REEL

EX NO. 1W4161

ORDER NO. 1W4161 REEL NO. 1 ~ 5 SAMPLING NO. 1

DIAMETER OF ROPE 8.000 mm TYPE OF CORE Fiber Core

SPECIFIED BREAKING LOAD 36.20 kN SAMPLE BROKE AT 43.80 kN

WT. OF ZINC COATING OF OUTER WIRE MIN. 0.000 g/m²

ROPE LAY RHRL LAY LENGTH 51 mm

LUBRICATION A-2

CHEMICAL ANALYSIS OF WIRE ROD

CHARGE NO.	C X 100	Si X 100	Mn X 100	P X1000	S X 1000
SW01779	72	19	66	12	3

DATE OF SAMPLE TEST *Feb. 10, 2010*

Approved by Q.C Manager H.S. SONG
KISWIRE LTD., KOREA

KS JIS API ABS KR NK. G.Lloyd's DNV L.R BV

EN 60 947-5-1			
Clause	Requirement – Test	Result - Remark	Verdict

	Annex C of IEC 60947-1	P

Annex C	**Degree of protection of enclosed control circuit-devices**		**P**
C.1	**Scope**		
	This annex applies to degrees of protection of enclosed switchgear and control gear at rated voltages not exceeding 1000 V a.c. or 1500 V d.c. hereafter referred as "equipment"		
C.2	**Object**		
	Clause 2 of IEC 60529 applies with additional requirements of this annex		
C.3	**Definitions**		
	Clause 3 of IEC 60529 applies except that "Enclosure" is replaced by the following:		
	"A part providing a specified degree of protection of equipment against certain external influences and a specified degree of protection against approach to or contact with live parts and moving parts"		
C.4	**Designation**		
	Clause 4 of IEC 60529 applies except for letters H, M and S		N/A
C.5	**Degrees of protection against access to hazardous parts and against ingress of solid foreign objects indicated by the first characteristic numeral**		
	Clause 5 of IEC 60529 applies	6	P
C.6	**Degrees of protection against ingress of water indicated by the second characteristic numeral**		
	Clause 6 of IEC 60529 applies	5	P
C.7	**Degrees of protection against access to hazardous parts indicated by the additional letter**		N/A
	Clause7 of IEC 60529 applies		N/A
C.8	**Supplementary letters**		N/A
	Clause 8 of IEC 60529 applies		N/A
C.9	**Examples of designations with IP Code**		P
	Clause 9 of IEC 60529 applies		P
C.10	**Marking**		P

TRF-No.: IEC60947_5_1A

C.5, C.6항이 IP65 PASS를 뜻함.