


SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO., LTD

Hull No. : H2431/2432/2433

5100TEU CONTAINER VESSEL

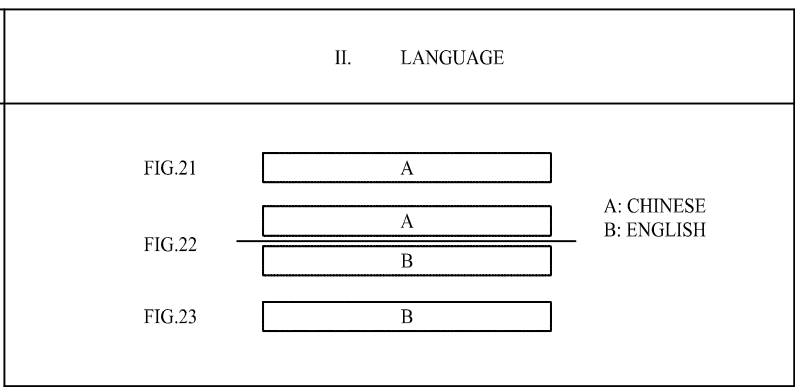
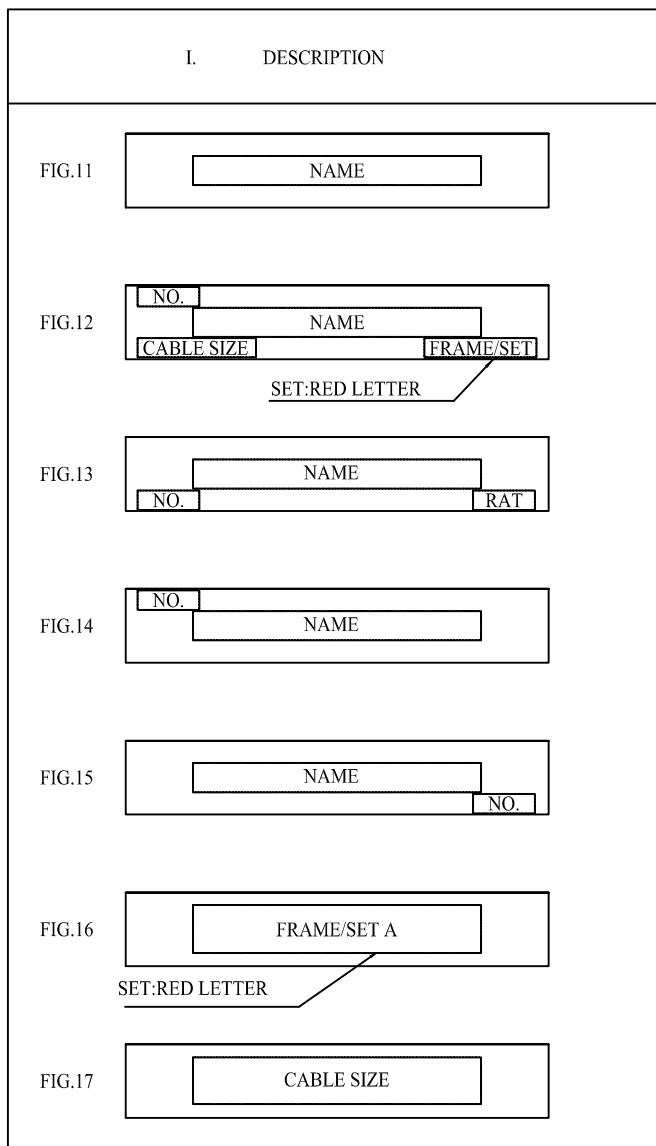
TEST PANEL

DESIGNED BY		DRAWING NO.	TC06174-2
COMPARED BY		REVISION	A
CHECKED BY		CLASS	GL
APPROVED BY		DATE	2007-09-27
 TERASAKI <i>Ensuring Service, Maintaining Quality</i>		TERASAKI (CHINA) ELECTRIC CO., LTD	

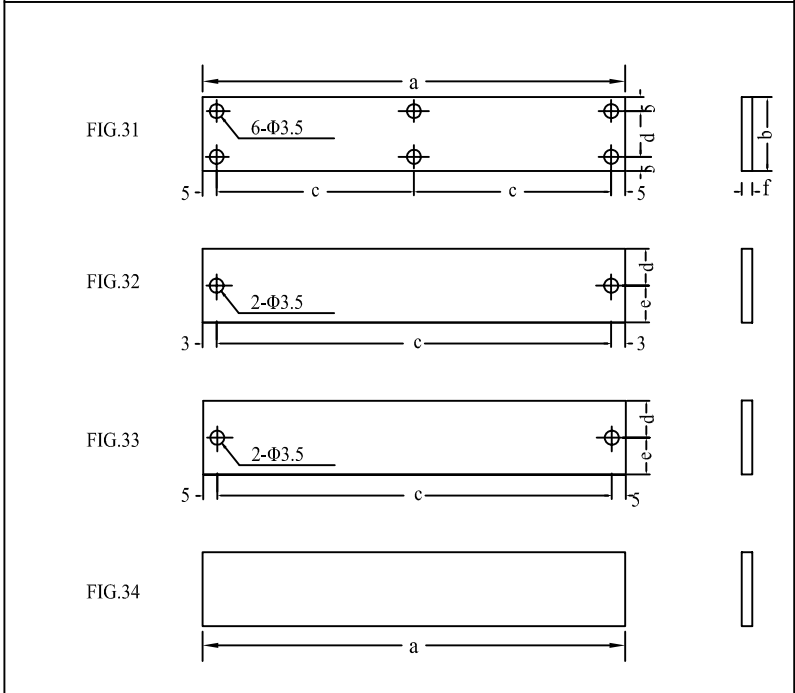
VOL

GENERAL SPECIFICATION.....	SE
ABBREVIATION	AB
NAMEPLATE.....	N
GRAPHICAL SYMBOL.....	GS
OUTLINE VIEW.....	OV
PARTS LIST.....	PL
SCHEMATIC DIAGRAM.....	SD

	FLAG OF SHIP	MARSHALL/LIBERIA	KIND OF SHIP	5100 TEU CLASS CONTAINER VESSEL	REF SHEET No.
GENERAL	RULE AND REGULATION	<input type="checkbox"/> ABS <input type="checkbox"/> BV <input type="checkbox"/> DNV <input checked="" type="checkbox"/> GL <input type="checkbox"/> JG <input type="checkbox"/> LRS <input type="checkbox"/> NK <input type="checkbox"/> CCS SPECIAL NOTATION <input checked="" type="checkbox"/> AUT <input type="checkbox"/> AUT-0			
	STANDARD	<input type="checkbox"/> JIS <input type="checkbox"/> JEM <input checked="" type="checkbox"/> IEC <input checked="" type="checkbox"/> GB <input type="checkbox"/> EN			
	DRAWING AND DOCUMENT	LANGUAGE: <input checked="" type="checkbox"/> ENGLISH <input type="checkbox"/> CHINESE UNIT: <input checked="" type="checkbox"/> METRIC <input checked="" type="checkbox"/> SI			
	SWITCHBOARD RATING	INPUT: AC440V 3φ 10A 60HZ AC220V 3φ 10A 60HZ OUTPUT: DC24V 5A DC0-60V 3A AC440V 3φ 10A 60HZ AC220V 3φ 60HZ 10A			
	ENCLOSURE TYPE	<input checked="" type="checkbox"/> ENCLOSURE TYPE TO BE IP22			
MECHANICAL CONSTRUCTION AND INSTALLATION	LOCATION	<input checked="" type="checkbox"/> ELECTRIC WORKSHOP <input type="checkbox"/> ENG CONTROL ROOM <input type="checkbox"/> OUTSIDE CONTROL ROOM			
	INSTALLATION	<input type="checkbox"/> FLOOR MOUNTING AND SELF STANDING <input checked="" type="checkbox"/> WALL MOUNTING			
	ACCESSIBILITY	<input checked="" type="checkbox"/> FRONT <input type="checkbox"/> REAR <input type="checkbox"/> SIDE			
	ENCLOSURE	FRONT <input checked="" type="checkbox"/> DOOR SIDE <input checked="" type="checkbox"/> FIXED PLATE REAR <input checked="" type="checkbox"/> FIXED PLATED BOTTOM <input checked="" type="checkbox"/> FIXED PLATE WITH COAMING			
	PAINT COLOR (MUNSELL CODE)	OUTSIDE (PANEL) <input checked="" type="checkbox"/> 7.5BG7/2 <input type="checkbox"/> 2.5PB9/2 <input checked="" type="checkbox"/> ROUGH-POLISHED INSIDE (CASING) <input type="checkbox"/> 7.5BG7/2 <input checked="" type="checkbox"/> MAKER STANDARD <input type="checkbox"/> ROUGH-POLISHED			
ELECTRICAL CONSTRUCTION	BUS BAR	MATERIAL: <input checked="" type="checkbox"/> COPPER CONTACT SURFACE: <input type="checkbox"/> SILVER PLATED <input checked="" type="checkbox"/> TIN PLATED			
	BUSBAR COLOR CODING	<input checked="" type="checkbox"/> WITH COLOR LABEL AC { PHASE (R): <input type="checkbox"/> RED <input checked="" type="checkbox"/> GREEN PHASE (S): <input type="checkbox"/> WHITE <input checked="" type="checkbox"/> YELLOW PHASE (T): <input type="checkbox"/> BLUE <input checked="" type="checkbox"/> BROWN DC { POLE (P) <input checked="" type="checkbox"/> RED POLE (N) <input checked="" type="checkbox"/> BLUE			
	BUSBAR PHASE ARRANGEMENT	VIEWING FROM FRONT PHASE (R) (U) POLE (P) LEFT TOP FRONT PHASE (S) (V) ↓ ↓ ↓ PHASE (T) (W) POLE (N) RIGHT BOTTOM REAR			
	BUS DUCT	<input type="checkbox"/> PROVIDED <input type="checkbox"/> AIR INSULATION <input type="checkbox"/> INSULATION <input checked="" type="checkbox"/> NOT PROVIDED			
	CABLE ENTRANCE	<input type="checkbox"/> TOP <input type="checkbox"/> WITH CABLE GLAND <input type="checkbox"/> REAR UPPER <input checked="" type="checkbox"/> WITH CABLE COAMING <input checked="" type="checkbox"/> BOTTOM <input type="checkbox"/> WITH CABLE GLAND			
INTERNAL WIRING MATERIAL	TYPE		660V CBYJR (75°C)		
	CIRCUIT				
	POWER CIRCUIT	<input checked="" type="checkbox"/> 600V CBYJR (85 DEG C) <input checked="" type="checkbox"/> 250V CBYJR (75 DEG C)			
ELECTRICAL CONSTRUCTION AND PARTS	TERMINAL LUG FOR MATERIAL	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED			
	CIRCUIT BREAKER	TYPE: NS100N 3P FC XE100NS 2P FC			
	FUSE (CONTROL CIRCUIT)	LEGRAND, 600V RUPTURE CAP 100KA			
	METER	<input checked="" type="checkbox"/> DEIF <input checked="" type="checkbox"/> 72 × 72 90° 1.5 CLASS BEZEL COLOR <input checked="" type="checkbox"/> BLACK <input type="checkbox"/> YOKOGAWA <input type="checkbox"/> 110 × 110 CIRCULAR SCALE			
	INSULATION RESISTANCE METER	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED BEZEL COLOR <input type="checkbox"/> BLACK <input type="checkbox"/> 72 × 72 90° SCALE 1.5 CLASS <input type="checkbox"/> 110 × 110 CIRCULAR SCALE			
	RUNNING HOUR METER	<input type="checkbox"/> PROVIDED <input type="checkbox"/> WITHOUT RESET BEZEL COLOR <input type="checkbox"/> BLACK <input checked="" type="checkbox"/> NOT PROVIDED <input type="checkbox"/> WITH RESET			
	WATTHOUR METER	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED BEZEL COLOR <input type="checkbox"/> BLACK			
	MAIN CONTROL SWITCH	<input checked="" type="checkbox"/> K&N <input type="checkbox"/> OTHER			
	INDICATING LAMP BULB	<input checked="" type="checkbox"/> IDEC <input type="checkbox"/> OTHER			
	NAMEPLATE	MATERIAL: <input checked="" type="checkbox"/> ACRYLIC <input type="checkbox"/> CHINESE LANGUAGE: <input checked="" type="checkbox"/> ENGLISH <input type="checkbox"/> CHINESE <input type="checkbox"/> OTHER TYPE: <input type="checkbox"/> ENGRAVED <input checked="" type="checkbox"/> REVERSE ENGRAVED BACKGROUND: <input checked="" type="checkbox"/> WHITE <input type="checkbox"/> BLACK LETTERING: <input checked="" type="checkbox"/> BLACK <input type="checkbox"/> WHITE			
	SPARE PARTS	<input checked="" type="checkbox"/> SUPPLIED <input type="checkbox"/> NOT SUPPLIED <input type="checkbox"/> CCS STANDARD <input checked="" type="checkbox"/> WITH STEEL BOX <input type="checkbox"/> WITHOUT STEEL BOX <input type="checkbox"/> TERASAKI (CHINA) STANDARD BOX COLOR (MUNSELL CODE) : <input checked="" type="checkbox"/> MAKER STANDARD			



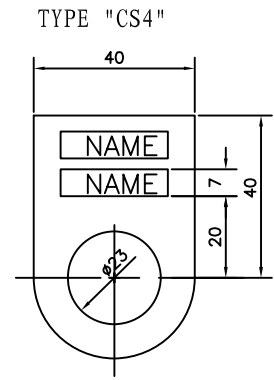
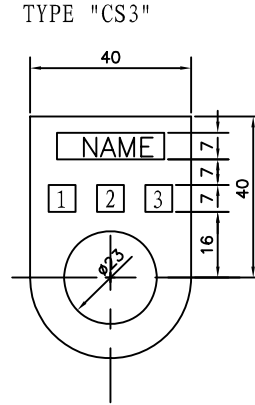
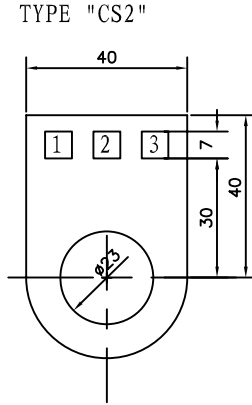
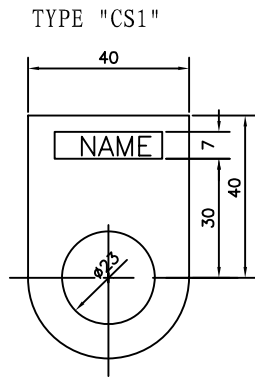
III. DIMENSION



I FIG.	II FIG.	III FIG.	TYPE	a	b	c	d	e	f	REMARKS
11		31	U1	315	63	152.5	5.3	-	3	
11	23	31	U2	200	40	95	30	-	2	
11		34	U5S	63	25	-	-	-	2	
11	23	33	U6	63	16	53	8	8	2	
11	23	34	U7	50	12.5	-	-	-	2	
11	23	33	U7S	50	12.5	40	6.25	6.25	2	
11	23	33	U9	100	40	90	20	20	2	
11	23	33	U10	100	25	90	12.5	12.5	2	
12		32	U13	40	25	34	12.5	12.5	2	
13	23	34	U14	63	12.5	-	-	-	2	
12	23	33	U15	90	50	80	25	25	2	
12	23	33	U16	90	35	80	17.5	17.5	2	
12		33	U17	90	70	80	52.5	17.5	2	
13	23	34	U20	29	25	-	-	-	2	
16		34	U51	25	8	-	-	-	1	
17		34	U52	25	8	-	-	-	1	
12	23	33	U53	80	40	70	20	20	2	
11		33	U54	63	40	53	20	20	2	
11		33	U55	66	12.5	56	6.25	6.25	2	
11	23	33	U56	100	50	90	25	25	2	
15	23	34	LN13	22	22	-	-	-	1	
15		34	LN12	36	30	-	-	-	1	
12	23	33	LN21	75	35	65	17.5	17.5	2	
12	23	33	LN22	50	35	40	17.5	17.5	2	
14	23	33	LN23	63	16	53	8	8	2	

NOTE:
 GENERAL PLATE --- ACRYLIC
 MATERIAL --- ACRYLIC
 LETTER --- GENERAL: BLACK;WARNING:RED
 GROUND --- WHITE
 TYPE --- REVERSE ENGRAVED

NAMEPLATE		NO.	NAME	REMARKS
TYPE	QT.			
U10	1	100	TEST PANEL	
U6	1	Q1	AC440V MAIN SWITCH	
U6	1	Q2	AC220V MAIN SWITCH (3Φ)	
U6	1	Q3	DC0~60V MAIN SWITCH	
U7S	1	LH1	E-10(AC220V)	
U7S	1	LH2	E-14 (AC220V)	
U7S	1	LH3	E-27 (AC220V)	
U7S	1	LH4	E-40 (AC220V)	
U7S	1	LH5	B-22(DC24V)	
U7S	1	LH6	B-15 (DC24V)	
U7S	1	LH7	BA9S(DC24V)	
U6	1	S1	AC440V 3Φ 10A TEST OUTPUT TERMINALS	
U6	1	S2	AC220V 3Φ 10A TEST OUTPUT TERMINALS	
U6	1	S3	AC220V 1Φ 10A WATER TIGHT SOCKET	
U6	1	S4	AC220V 1Φ 10A NON-WATER TIGHT SOCKET	
U6	1	S5	DC24V 5A TEST OUTPUT TERMINALS	
U6	1	S6	DC0~60V 3A TEST OUTPUT TERMINALS	
U6	1	S7	AC440V 3Φ 10A WATER TIGHT SOCKET	
U6	1	130	FLUORESCENT LAMP (8W)	
U6	1	131	FLUORESCENT LAMP (20W/40W)	
U7S	1	127	FUSE TEST BASE	



NOTE

MATERIAL :

ACRYLIC

LETTER:

BLACK (REVERSE ENGRAVED)

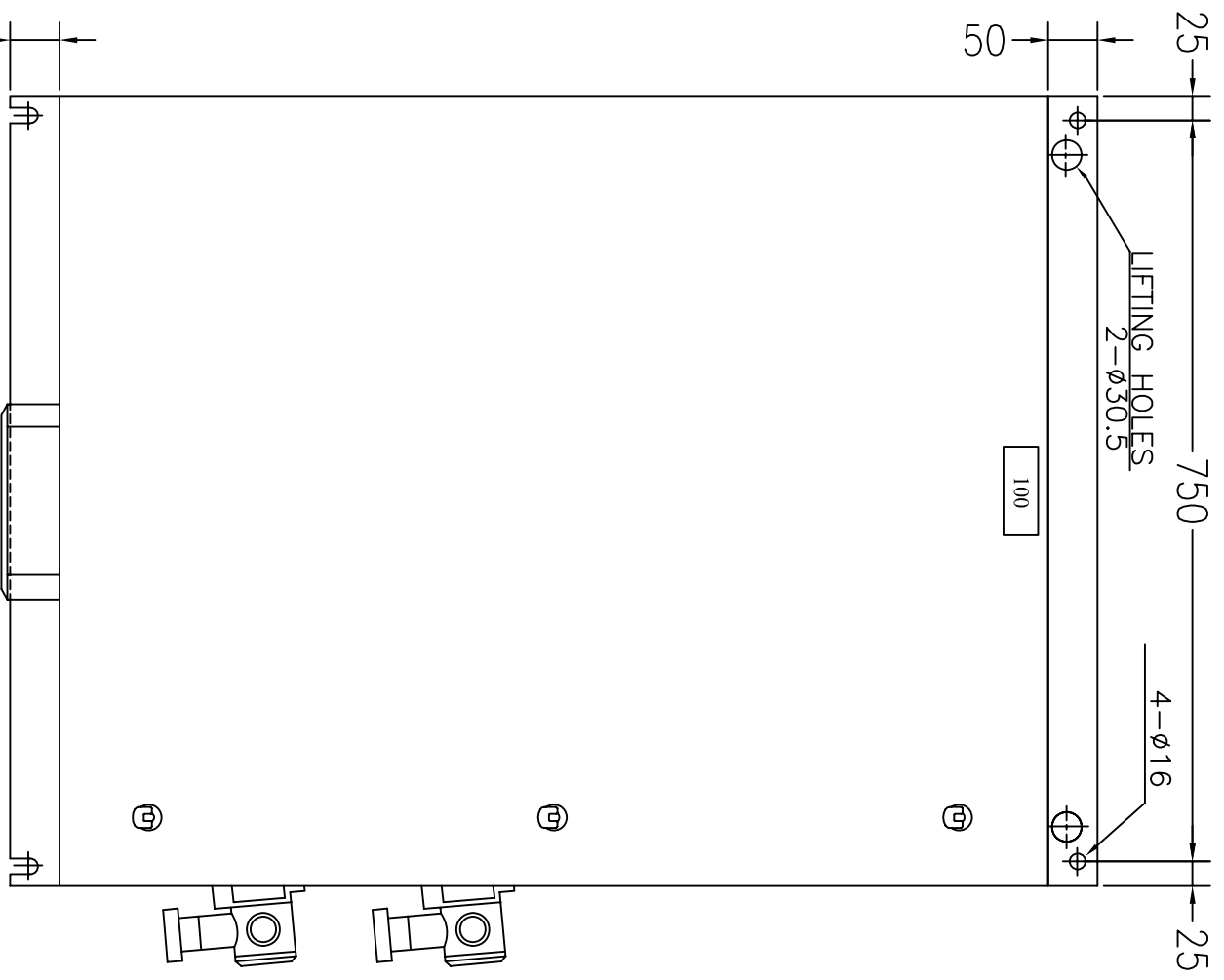
BACKGROUND:

WHITE

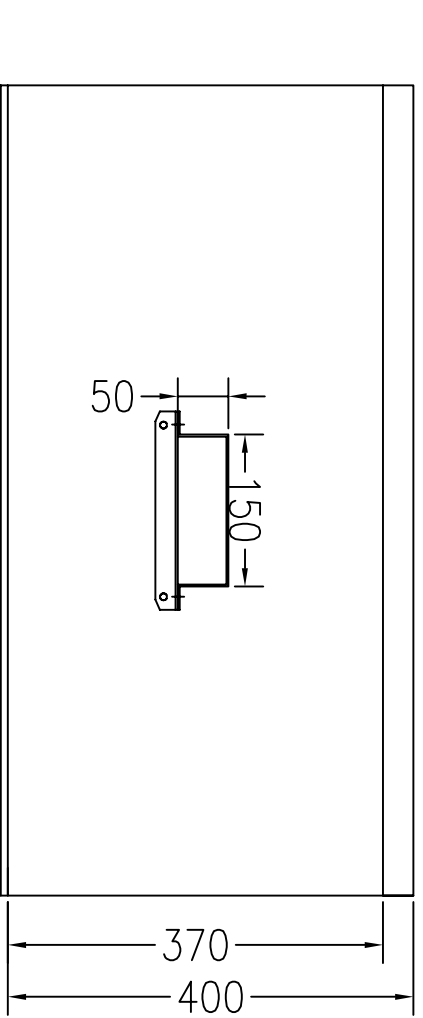
NAMEPLATE		SYMBOL	NAME				PARTS TYPE	NP NO.
TYPE	QT.		NAME	1	2	3		
CS1	1	121	AC440V POWER	--	—	---	YW1P-1BEM45 W	
CS1	1	122	AC220V POWER	--	--	---	YW1P-1BEM45 W	
CS1	1	123	TEST FUSE	--	—	---	YW1P-1BEM45 W	
CS1	1	124	DC24V POWER	—	—	—	YW1P-1BEQ7 W	
CS1	1	125	EMERGENCY STOP	—	—	—	YW1B-M1E02R	

GRAPHIC CODE

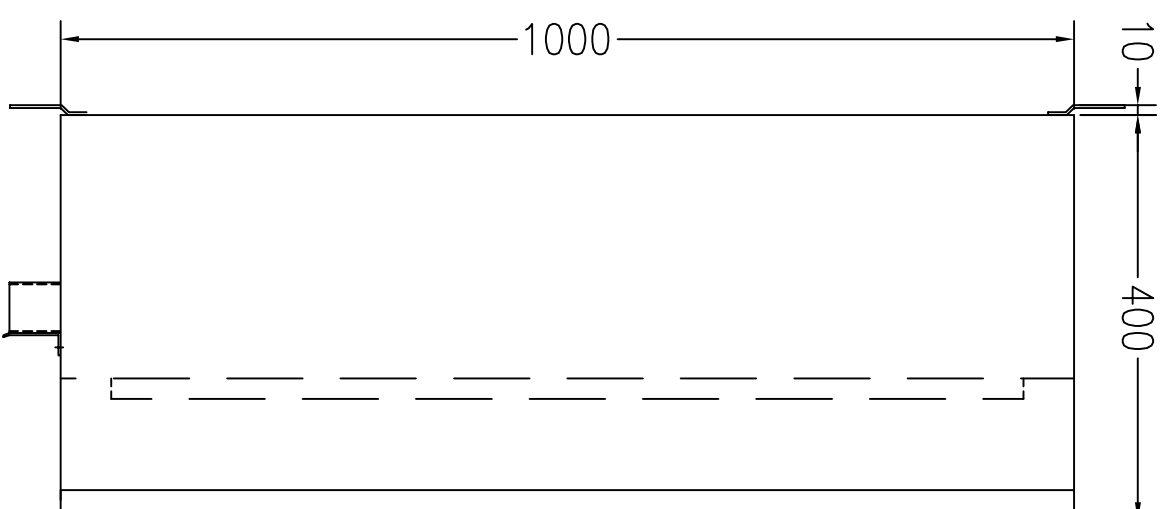
LEGEND	NAME	LEGEND	NAME	LEGEND	NAME
	ACB, MCCB		INDICATING LAMP		PUSH BUTTON OPEN CONTACT
	CHANGEOVER SWITCH		FLUORESCENT LAMP		PUSH BUTTON CLOSE CONTACT
	FUSE		DIODE		EARTH CONNECTION
	TRANSFORMER		GENERATOR		CHANGEOVER SWITCH OPEN CONTACT
	VOLTAGE TRANSFORMER		GOVERNOR MOTOR		POWER OFF TIMER RELAY OPEN CONTACT
	CURRENT TRANSFORMER		VARIABLE RESISTOR		NORMALLY OPEN CONTACT
	TIMER RELAY		RESISTOR		NORMALLY CLOSE CONTACT
	THERMAL		SHUNT		TIMER RELAY NORMALLY OPEN CONTACT
	PHASE SEQUENCE RELAY		SYNCHROSCOPE		TIMER RELAY NORMALLY CLOSE CONTACT
	POWER OFF TIMER RELAY		VOLTMETER		CHANGEOVER SWITCH CLOSE CONTACT
	REVERSE POWER RELAY		AMMETER		POWER OFF TIMER RELAY CLOSE CONTACT
	STATOR WINDING MONITOR		FREQUENCY METER		
	CONTACTOR & RELAY		POWER FACTOR METER		
	POWER TRANSDUCER		INSULATION RESISTANCE METER		
	RUNNING HOUR METER		KILOWATT METER		
	UNDER VOLTAGE TRIP		KILOWATT HOUR METER		
	SHUNT TRIP				



FRONT VIEW WITH COVER



BOTTOM VIEW



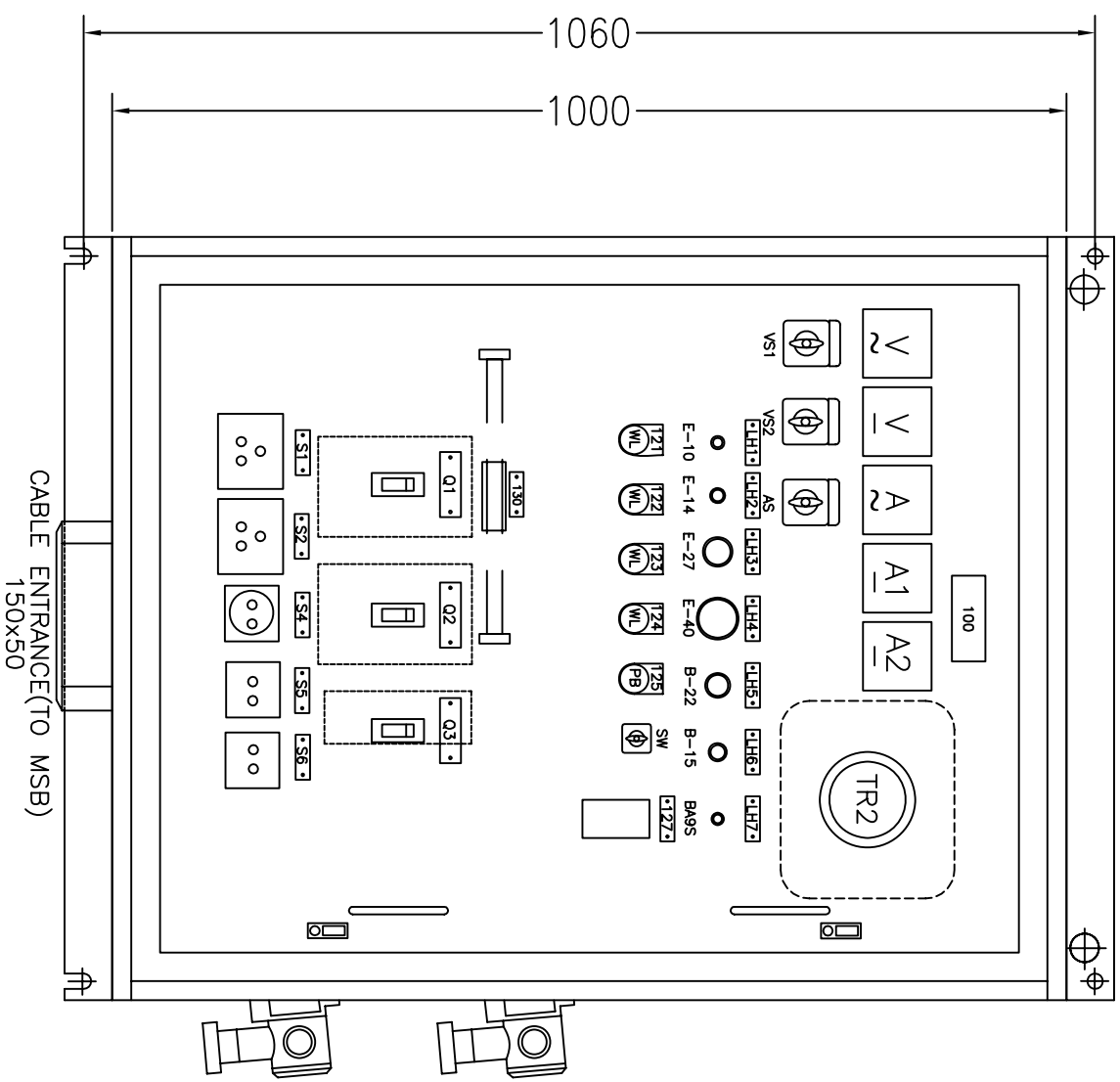
LEFT VIEW

A B C D E F G H I

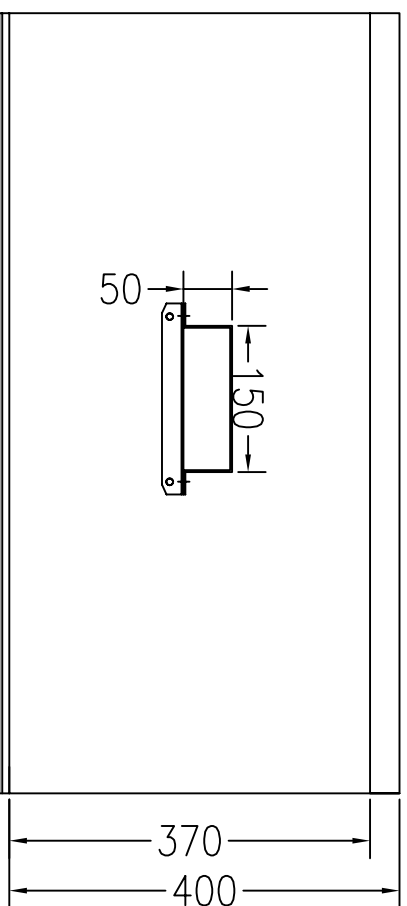


OUTLINE VIEW

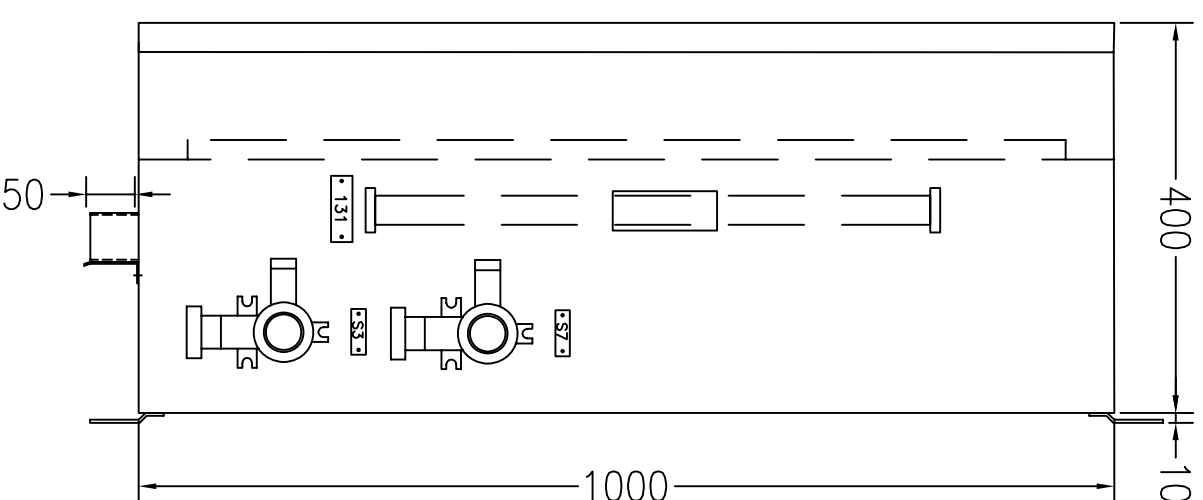
OV1
8



FRONT VIEW(REMOVED COVER)



BOTTOM VIEW



RIGHT VIEW

NOTE:
 TEST OUTPUT TERMINALS TO BE
 SUPPLIED 5 PCS TEST CODE,
 1.5M WITH DIFFERENCE COLOR

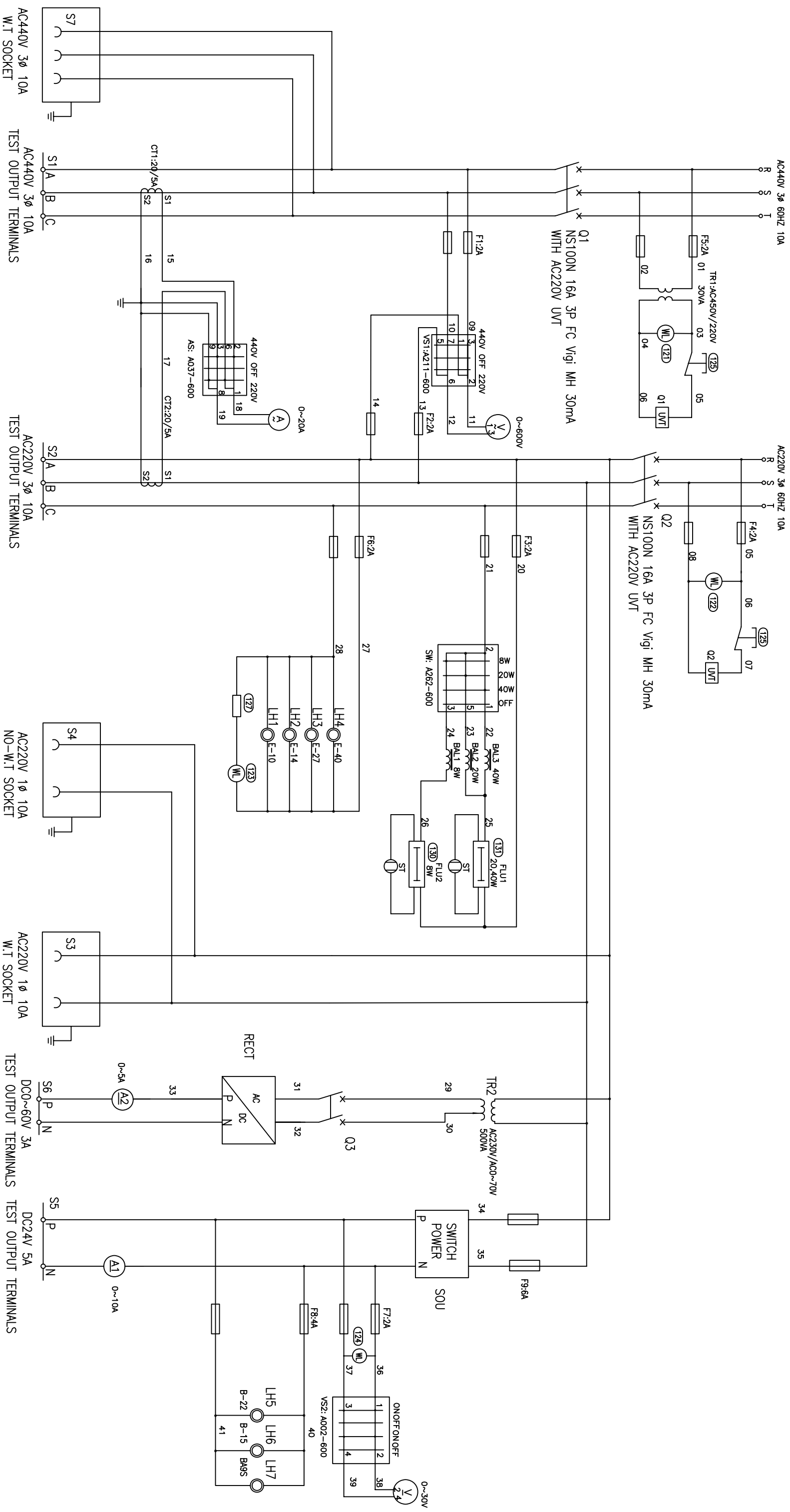
A B C D E F G H I



OUTLINE VIEW

DEVICE CODE	NAME	TYPE	OPERATION VOLTAGE	QT.	REMARKS	REF SHEET No.
Q1	MCCB	NS100N 16A 3P FC Vigi MH 30mA WITH AC220V UVT	AC440V	1	SCHNEIDER	SD
Q2	MCCB	NS100N 16A 3P FC Vigi MH 30mA WITH AC220V UVT	AC220V	1	SCHNEIDER	SD
Q3	MCCB	XE100NS/10A 2P FC	DC0-60V	1	TERASAKI	SD
121、122、123	PILOT LIGHTS	YW1P-1BEM45 W		3	IDEC	SD
124	PILOT LIGHTS	YW1P-1BEQ7 W		1	IDEC	SD
125	EMERGENCY STOP PUSHBUTTON WITH COVER	YW1B-M1E02R		1	IDEC	SD
VS1	SELECTOR SWITCH	CA10 A211-600		1	K&N	SD
VS2	SELECTOR SWITCH	CA10 A002-600		1	K&N	SD
AS	SELECTOR SWITCH	CA10 A037-600		1	K&N	SD
SW	SELECTOR SWITCH	CG4 A262-600		1	K&N	SD
CT1、CT2	CURRENT TRANSFORMER	BH-0.66-30I 20/5A 2.5VA E CLASS: 1.0		2	BH	SD
F1、F2、F3、F4、F5、F6、F7	FUSE	013302		14	LEGRAND	SD
F8	FUSE	013304		2	LEGRAND	SD
F9	FUSE	013306		2	LEGRAND	SD
127	FUSE CARRIER	005808		19	LEGRAND	SD
LH1	LAMP SOCKET	E-10	AC220V	1	CHINA	SD
LH2	LAMP SOCKET	E-14	AC220V	1	CHINA	SD
LH3	LAMP SOCKET	E-27	AC220V	1	CHINA	SD
LH4	LAMP SOCKET	E-40	AC220V	1	CHINA	SD
LH5	LAMP SOCKET	B-22	DC24V	1	CHINA	SD
LH6	LAMP SOCKET	B-15	DC24V	1	CHINA	SD
LH7	LAMP SOCKET	BA9S	DC24V	1	CHINA	SD
S1	TEST OUTPUT TERMINALS AC440V 3φ MAX.10A			1		SD
S2	TEST OUTPUT TERMINALS AC220V 3φ MAX.10A			1		SD
S3	AC220V 1φ10A WATER TIGHT SOCKET			1		SD
S4	AC220V 1φ10A NO-WATER TIGHT SOCKET			1		SD
S5	TEST OUTPUT TERMINALS DC24V 1φ MAX.5A			1		SD
S6	TEST OUTPUT TERMINALS DC0-60V 1φ MAX.3A			1		SD
S7	AC440V 3φ10A WATER TIGHT SOCKET			1		SD
	TEST CODE	1.5m WITH DIFFERENCE COLOR		5		
130	FLUORESCENT LAMP HOLDER	8W		1		SD
131	FLUORESCENT LAMP ADJUSTBABLE HOLDER	20W/40W		1		SD
ST	FLUORESCENT LAMP STARTER CONTROLLER	8W		1		SD
ST	FLUORESCENT LAMP STARTER CONTROLLER	20W/40W		1		SD
TR1	TRANSFORMER	JBK3 450/220 30VA		1	HONGQI	SD
TR2	VARIABLE	TDGC2-1 AC230/0~70V 500VA		1	SHANGHAI	SD

DEVICE CODE	NAME	TYPE	OPERATION VOLTAGE	QT.	REMARKS	REF SHEET No.
SOU	SWITCH POWER	INPUT:AC220V OUTPUT:DC24V 5A		1		SD
RECT	SINGLE-PHASE BRIDGE MODULE	KBPC 35A		1	XIMENKANG	SD
<u>A1</u>	DC AMMETER	DQ72-X MEASURING RANGE:0~10A; Scale:0~10A		1		SD
<u>A2</u>	DC AMMETER	DQ72-X MEASURING RANGE:0~5A; Scale:0~5A		1		SD
<u>A</u> ~	AC AMMETER	EQ72-X MEASURING RANGE:0~20A,20/5A; Scale:0~20A		1		SD
<u>V</u> ~	AC VOLTMETER	EQ72-X MEASURING RANGE:0~600VAC Scale:0~600V; REDLINE:AC220V,AC440V		1		SD
<u>V</u>	DC VOLTMETER	DQ72-X MEASURING RANGE:0~30VDC REDLINE:DC24V Scale:0~30V		1		SD
BAL1	FLUORESCENT LAMP BALLAST	8W AC220V 60HZ		1	CHINA	SD
BAL2	FLUORESCENT LAMP BALLAST	20W AC220V 60HZ		1	CHINA	SD
BAL3	FLUORESCENT LAMP BALLAST	40W AC220V 60HZ		1	CHINA	SD



A B C D E F G H I



SCHEMATIC DIAGRAM

SD
12