


SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO., LTD

Hull No. : H2431/2432/2433

5100TEU CONTAINER VESSEL

EMERGENCY CUT OFF BOX

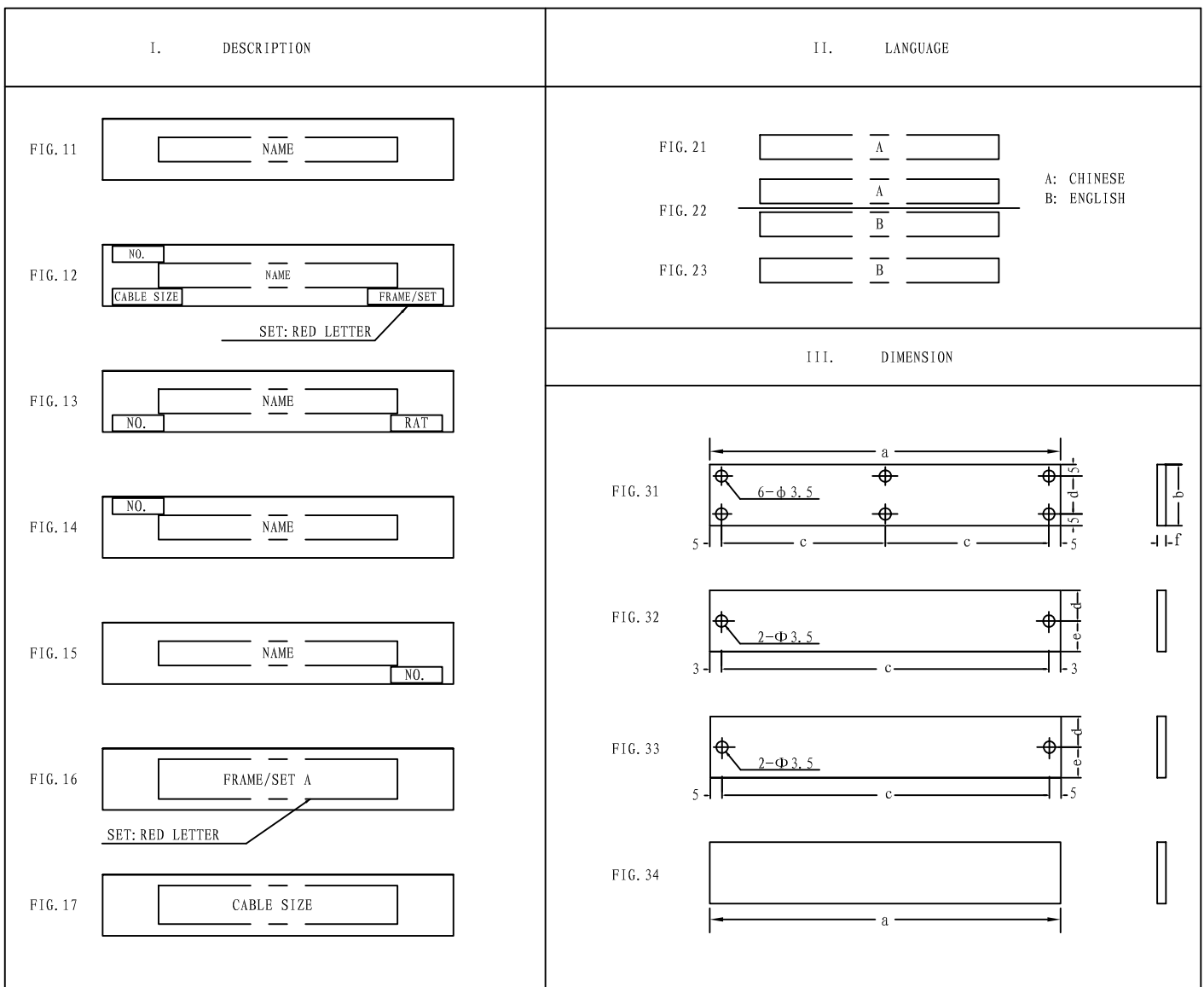
DESIGNED BY		DRAWING NO.	TC06P174-4
COMPARED BY		REVISION	A
CHECKED BY		CLASS	GL
APPROVED BY		DATE	2007-09-27
 TERASAKI <i>Ensuring Service, Maintaining Quality</i>		TERASAKI (CHINA) ELECTRIC CO., LTD	

VOL

GENERAL SPECIFICATION.....	SE
ABBREVIATION.....	AB
NAMEPLATE.....	N
GRAPHICAL SYMBOL.....	GS
OUTLINE.....	OV
TERMINAL BLOCK.....	T

GENERAL	FLAG OF SHIP	MARSHALL/LIBERIA	KIND OF SHIP	5100 TEU CLASS CONTAINER VESSEL	REF SHEET No.
	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"/> GB <input type="checkbox"/> EN <input checked="" type="checkbox"/> IEC PUB.92(SYSTEM DESIGN PHILOSOPHY ONLY)			
	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	AC440V 60Hz 3Ø			
	ENCLOSURE TYPE	TOP ENCLOSURE TYPE TO BE: <u>IP44</u>			
MECHANICAL CONSTRUCTION AND INSTALLATION	LOCATION	<input checked="" type="checkbox"/> INDOOR			
	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			
	HANDRAIL	FRONT <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> VERTICAL <input checked="" type="checkbox"/> NOT PROVIDED REAR <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> VERTICAL <input checked="" type="checkbox"/> NOT PROVIDED			
	CHANNEL OR ANGLE IRON BASE	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED			
	ENCLOSURE	FRONT <input checked="" type="checkbox"/> DOOR WITH A GLASS WINDOW SIDE <input checked="" type="checkbox"/> FIXED PLATE REAR <input checked="" type="checkbox"/> FIXED PLATE BOTTOM <input checked="" type="checkbox"/> FIXED PLATED WITH GLAND			
	PAINT COLOR(MUNSELL CODE)	OUTSIDE : <input type="checkbox"/> 7.5BG7/2 <input checked="" type="checkbox"/> RED <input checked="" type="checkbox"/> ROUGH-POLISHED			
INSIDE (PANEL) <input checked="" type="checkbox"/> MAKER STANDARD <input type="checkbox"/> M2.5G7/2 <input type="checkbox"/> SEMI-POLISHED					
ELECTRICAL CONSTRUCTION AND PARTS	TERMINAL LUG FOR MATERIAL	<input type="checkbox"/> PROVIDED <input checked="" type="checkbox"/> NOT PROVIDED			
	CIRCUIT BREAKER	REFER TO BREAKING CAPACITY LIST BC2			
	METER	<input type="checkbox"/> YITAI <input type="checkbox"/> 72×72 90° ARC <input type="checkbox"/> BEZEL COLOR <input type="checkbox"/> BLACK <input type="checkbox"/> YOKOGAWA <input type="checkbox"/> 110×110 CIRCULAR SCALE <input checked="" type="checkbox"/> NOT PROVIDED			
	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			
	INDICATING LAMP BULB	<input checked="" type="checkbox"/> IDEC <input type="checkbox"/> OTHER			
	NAMEPLATE	MATERIAL : <input checked="" type="checkbox"/> ACRYLIC LANGUAGE : <input checked="" type="checkbox"/> ENGLISH(NAMEPLATE) <input type="checkbox"/> ENGLISH&CHINESE(CAUTION PLATE) BACKGROUND : <input checked="" type="checkbox"/> WHITE <input type="checkbox"/> BLACK LETTER COLOR : <input checked="" type="checkbox"/> RED(CAUTION PLATE) <input checked="" type="checkbox"/> BLACK			
	SPARE PARTS	<input checked="" type="checkbox"/> SUPPLIED <input type="checkbox"/> NOT SUPPLIED <input checked="" type="checkbox"/> GL <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			

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
A	AMMETER	FSS	FLICKER STOP SWITCH	SCR	SILICON CONTROLLED RECTIFIER
AC	ALTERNATING CURRENT	GCS	GOVERNOR MOTOR CONTROL SWITCH	SEC	SECOND
ACB	AIR CIRCUIT BREAKER	GL	GREEN LIGHT	SG	SHAFT GENERATOR
AG	AUXILIARY GENERATOR	GSP	GROUP STARTER PANEL	SHS	SPACE HEATER SWITCH
AS	AMMETER SWITCH	H	HEATER/HOUR	SHT	SHUNT TRIP
ASS	AUTO SYNCHRO SWITCH	HM	RUNNING HOUR METER	ST	STARTER
ASCS	AUTO SYNCHRO & LOAD SHIFT SWITCH	IL	INCANDESCENT LAMP	STD	SHORT TIME DELAY
ATR	ACB RESET SWITCH	ILS	INCANDESCENT LAMP SWITCH	STR	SHORT CIRCUIT TROUBLE RESET
AUS	AUXILIARY SWITCH	INST	INSTANTANEOUS	SY	SYNCHROSCOPE
AUTO	AUTOMATIC	INV	INVERTER	SYS	SYNCHROSCOPE SWITCH
AUX	AUXILIARY	IRM	INSULATION RESISTANCE METER	STT	ENG START SWITCH
AVR	AUTOMATIC VOLTAGE REGULATOR	KS	KNIFE SWITCH	STP	ENG STOP SWITCH
AST	FULL AUTO START	KSDT	KNIFE SWITCH DOUBLE THROW	SL	STANDBY LIGHT
ASP	FULL AUTO STOP	KSTT	KNIFE SWITCH TRIPLE THROW		
BCS	BREAKER CONTROL SWITCH	LSS	AUTO LOAD SHIFT SWITCH	T	TEMPERATURE METER/THERMOMETER
BL	BELL	LTD	LONG TIME DELAY	TB	TERMINAL BLOCK
BL	BLUE LIGHT	LTS	LAMP TEST SWITCH	TCS	TRANSFORMER CONNECTING LINK
BS	BUZZER STOP	MANU	MANUAL	TG	TURBO GENERATOR
BZ	BUZZER	MC	MAGNETIC CONTACTOR	TL	TRANSPARENT LIGHT
CCC	CROSS CURRENT COMPENSATOR	MCCB	MOLDED CASE CIRCUIT BREAKER	TMS	TEMPERATURE METER SWITCH THERMOMETER SWITCH
COS	CHANGE OVER SWITCH	MG	MOTOR GENERATOR/MAIN GENERATOR	TPB	TRIP PUSH BUTTON
CS	CONTROL SWITCH	MIN	MINUTE	TT	TEST TERMINAL
DC	DIRECT CURRENT	M/S	MACHINE SIDE	TS	EG SEQUENCE TEST SWITCH
DG	DIESEL GENERATOR	MSB	MAIN SWITCHBOARD	UVRY	UNDERVOLTAGE RELAY
DM	DIMMER	MV	MAGNETIC VALVE	UVT	UNDERVOLTAGE TRIP
DS	DISCONNECTING SWITCH	NP	NAMEPLATE	V	VOLTMETER
ECS	ENGINE CONTROL SWITCH	OCR	OVERCURRENT RELAY	VAR	VARMETER
EG	EMERGENCY GENERATOR	OL	ORANGE LIGHT	VR	VOLTAGE REGULATOR
ELS	EARTH LAMP SWITCH	OVRY	OVERVOLTAGE RELAY	VS	VOLTMETER SWITCH
EIL	EMERGENCY LIGHT	PBS	PUSH BUTTON SWITCH	W	WATTMETER
ES	EXCITATION SWITCH	PF	POWER FACTOR METER	WH	WATT HOUR METER
ESB	EMERGENCY SWITCHBOARD	PSI	PHASE SEQUENCE INDICATOR	WL	WHITE LIGHT
ETR	ENG RESET SWITCH	PSL	PHASE SEQUENCE INDICATING LAMP	WIL	WORKING LIGHT
F	FREQUENCY METER	PSC	PHASE SEQUENCE CHECK SWITCH	YL	YELLOW LIGHT
FL	FLUORESCENT LAMP	RA	REACTOR	TSS	TRANSFORMER SELECT SWITCH
FLS	FLUORESCENT LAMP SWITCH	RL	RED LIGHT		
FS	FREQUENCY METER SWITCH	RPRY	REVERSE POWER RELAY		



I	II	III	TYPE	a	b	c	d	e	f	REMARKS
FIG.	FIG.	FIG.								
11		31	U1	315	63	152.5	5.3	-	3	
11	23	31	U2	200	40	95	30	-	2	
11	23	34	U5S	63	25	-	-	-	2	
11	23	33	U6	63	16	53	8	8	2	
11	23	34	U7	50	12.5	-	-	-	2	
11		33	U7S	50	12.5	40	6.25	6.25	2	
11		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		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	23	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	
11		33	U80	80	20	70	10	10	2	
11	23	34	LN13	40	20	-	-	-	1	
11	23	34	LN12	50	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	

NOTE:
 GENERAL PLATE
 MATERIAL --- ACRYLIC RESIN
 LETTER --- BLACK (REVERSE ENGRAVED)
 GROUND ---- WHITE

EMERGENCY STOP SWITCH

ES1 (EM STOP FOR E/R VENT)

NO 1 ~ NO 4 E/R FANS
 O F BOILER POWER SUPPLY NO 1&2
 ECR A/C UNIT
 INCINERATOR
 410P 440V POWER DISTR BOX
 (PURI. SPACE EXH. FAN, ENGINEER'S WORKSHOP EXH. FAN,
 WELDING SPACE EXH. FAN, PACKAGE CONDITIONER OF WORKSHOP)
 M/E AUXILIARY BLOWER

ES2 (EM STOP FOR E/R OIL PUMPS)

NO 1 & NO 2 MAIN LO PUMP
 OF BOILER POWER SUPPLY NO 1&2
 ST TUBE LUB OIL PUMP NO 1&NO 2
 HFO TRANSFER PUMP
 INCINERATOR
 LO TRANSFER PUMP
 M/E ALPHA CYL LUBRICATION UNIT PUMPS
 SLUDGE PUMP
 MDO TRANSFER PUMP
 NO 1&NO 2 CYL LO TRANSFER PUMP
 402P 440V POWER DISTR BOX
 (PURIFIERS, F. O. SUPPLY UNIT, M/E L. O AUTO. BACK WASH FILTER)
 401P 440V POWER DISTR BOX
 (PURIFIERS, F. O. SUPPLY UNIT, M/E L. O AUTO. BACK WASH FILTER)
 403P 440V POWER DISTR BOX (D/G PRELUB. OIL PUMP)
 EMERG MDO PUMP

ES3 (EM STOP FOR ACC VENT)

409P 440V POWER DISTR BOX (CABIN FANS)
 206P 220V POWER DISTR BOX (CABIN FANS)
 208P 220V POWER DISTR BOX (HEATERS)
 AIR COND CONTROL PANEL
 EMERG GEN ROOM FAN

ES4 (EM STOP FOR C/H VENT)

CARGO HOLD FANS
 PASSAGEWAY SUPPLY FANS
 PIPE TUNNEL SUPPLY FAN
 BOW THRUSTER & EM' CY FIRE PUMP ROOM SUPPLY FAN
 PAINT ROOM EXH FAN

160

100

NP No. : 1000

QT. : 1

MATERIAL ——— ACRYLIC RESIN

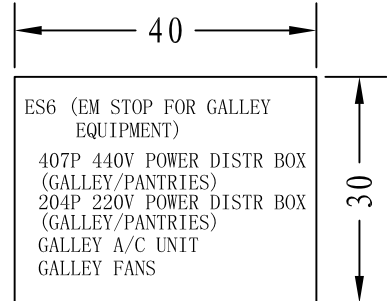
LETTER — — — RED (REVERSE ENGRAVED)

GROUND ——— WHITE

EMERGENCY STOP SWITCH

ES1 (EM STOP FOR E/R VENT)
 NO 1 ~ NO 4 E/R FANS
 O F BOILER POWER SUPPLY NO 1&2
 ECR A/C UNIT
 INCINERATOR
 410P 440V POWER DISTR BOX
 (PURI. SPACE EXH. FAN, ENGINEER'S WORKSHOP EXH. FAN,
 WELDING SPACE EXH. FAN, PACKAGE CONDITIONER OF WORKSHOP)
 M/E AUXILIARY BLOWER

ES2 (EM STOP FOR E/R OIL PUMPS)
 NO 1 & NO 2 MAIN LO PUMP
 OF BOILER POWER SUPPLY NO 1&2
 ST TUBE LUB OIL PUMP NO 1&NO 2
 HFO TRANSFER PUMP
 INCINERATOR
 LO TRANSFER PUMP
 M/E ALPHA CYL LUBRICATION UNIT PUMPS
 SLUDGE PUMP
 MDO TRANSFER PUMP
 NO 1&NO 2 CYL LO TRANSFER PUMP
 402P 440V POWER DISTR BOX
 (PURIFIERS, F. O. SUPPLY UNIT, M/E L. O AUTO. BACK WASH FILTER)
 401P 440V POWER DIST. BOX
 (PURIFIERS, F. O. SUPPLY UNIT, M/E L. O AUTO. BACK WASH FILTER)
 403P 440V POWER DISTR BOX (D/G PRELUB. OIL PUMP)
 EMERG MDO PUMP



NP No. : 1003
 QT. : 2

MATERIAL — ACRYLIC RESIN
 LETTER — RED (REVERSE ENGRAVED)
 GROUND — WHITE

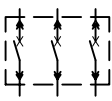
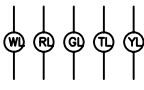

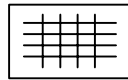


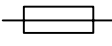
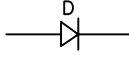

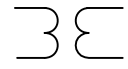


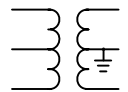


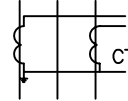
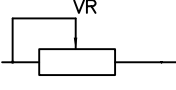


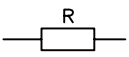

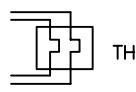












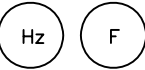










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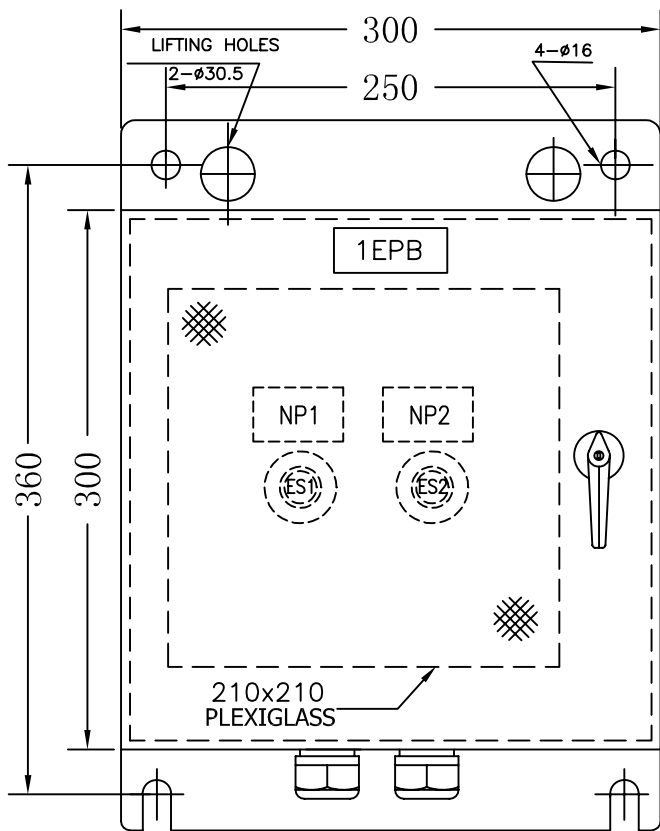
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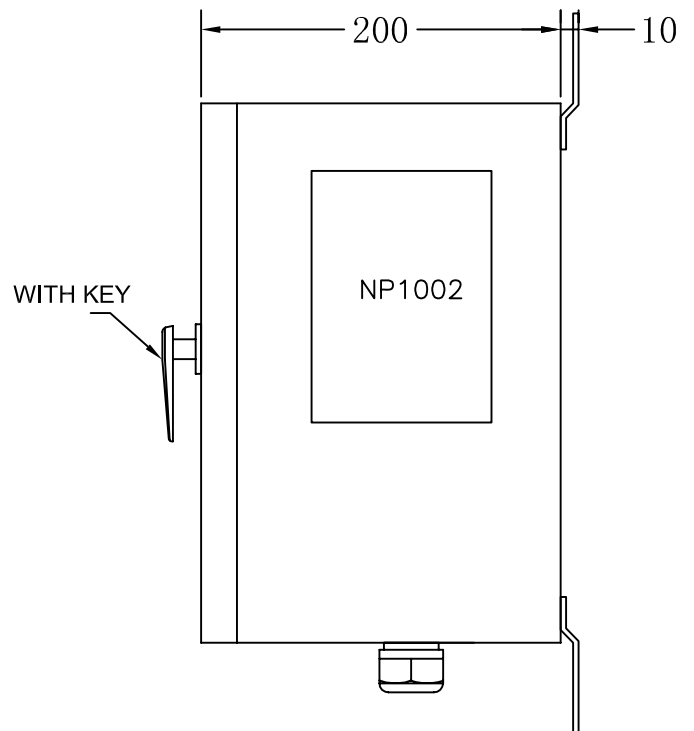
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 LETTER — RED (REVERSE ENGRAVED)
 GROUND — WHITE

GRAPHICAL CODE

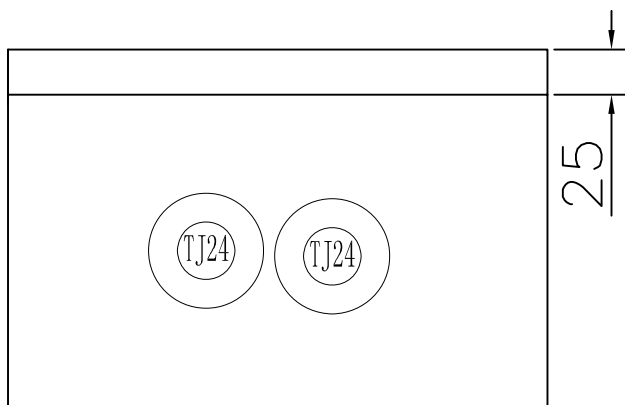
LEGEND	NAME	LEGEND	NAME	LEGEND	NAME
	ACB/MCCB		INDICATING LAMP		PUSH BUTTON OPEN CONTACT
	CHANGEOVER SWITCH		FLUORESCENT LAMP		PUSH BUTTON CLOSE CONTACT
	FUSE		DIODE		EARTH CONNECTION
	TRANSFORMER		GENERATOR		CHANGEOVER SWITCH OPEN CONTACT
	VOLTAGE TRANSFORMER		GOVERNOR MOTOR		POWER OFF TIMER RELAY OPEN 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		EMERGENCY CUT OFF SWITCH		



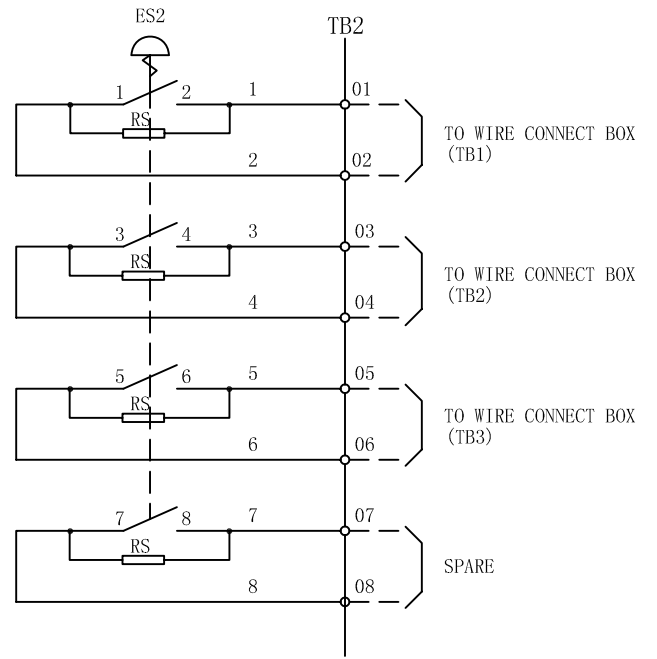
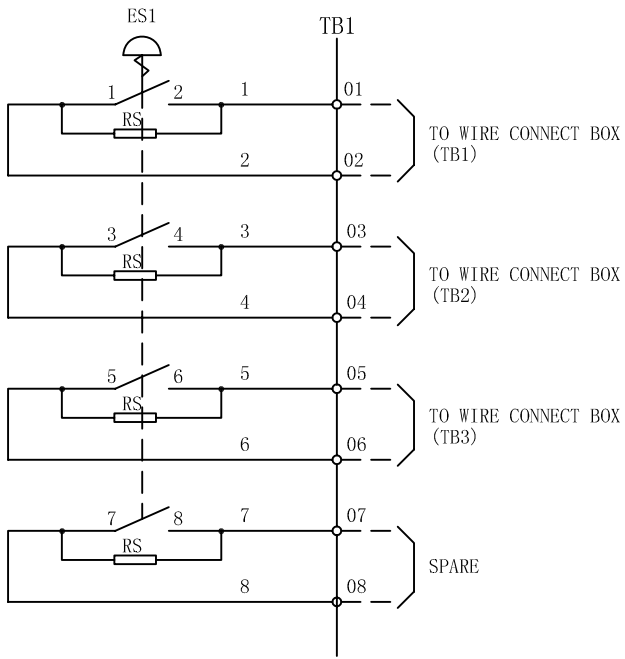
FRONT VIEW



SIDE VIEW

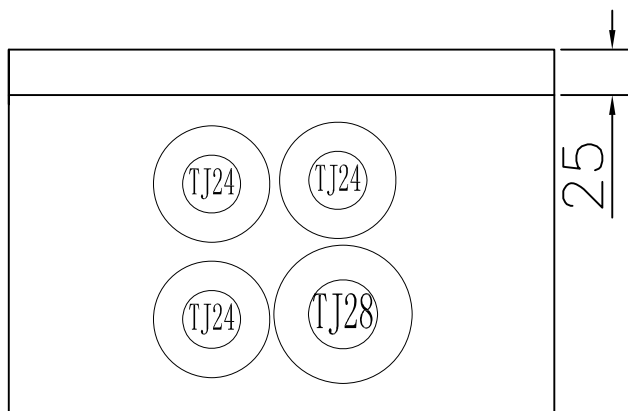
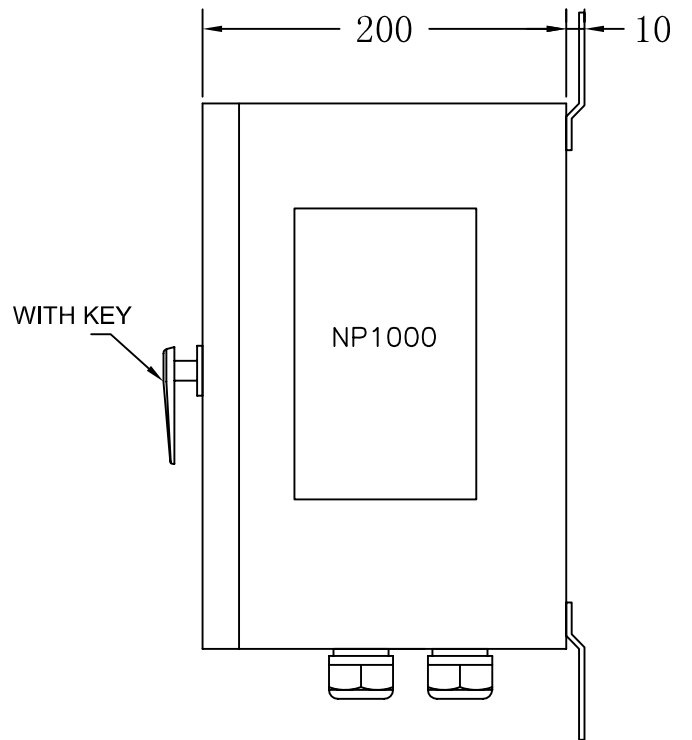
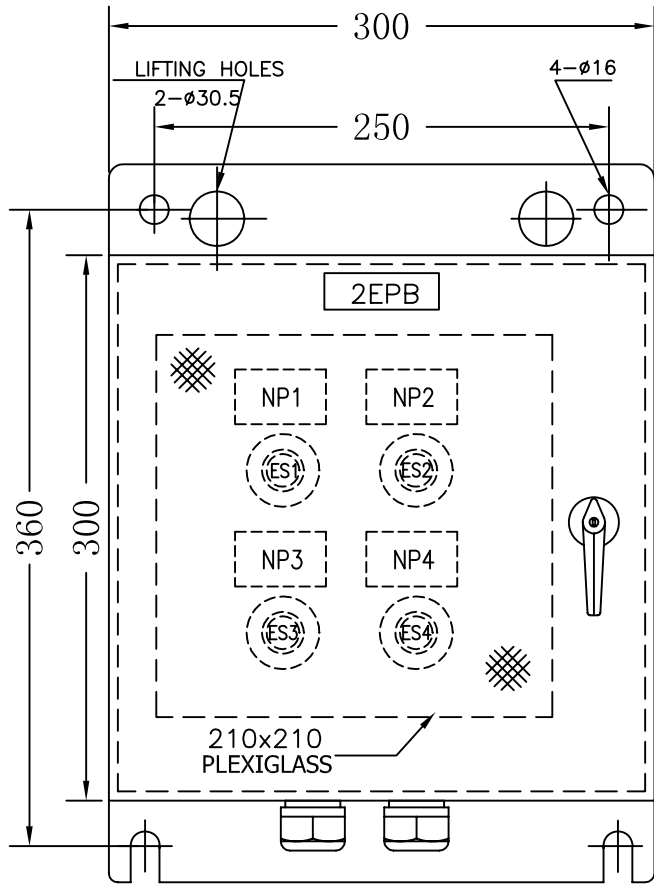


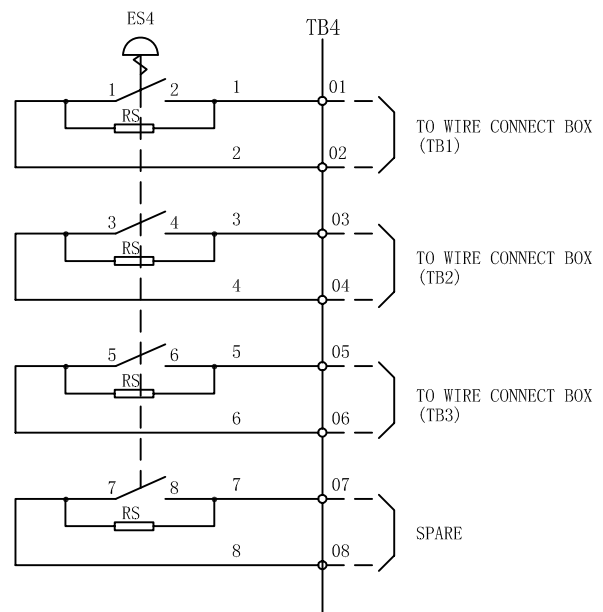
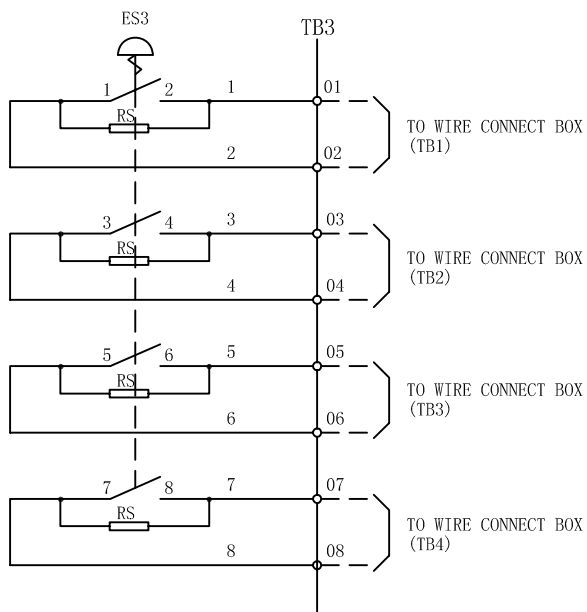
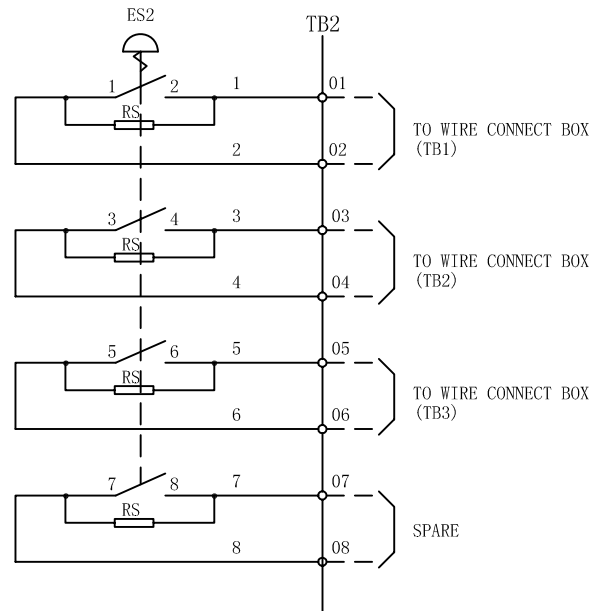
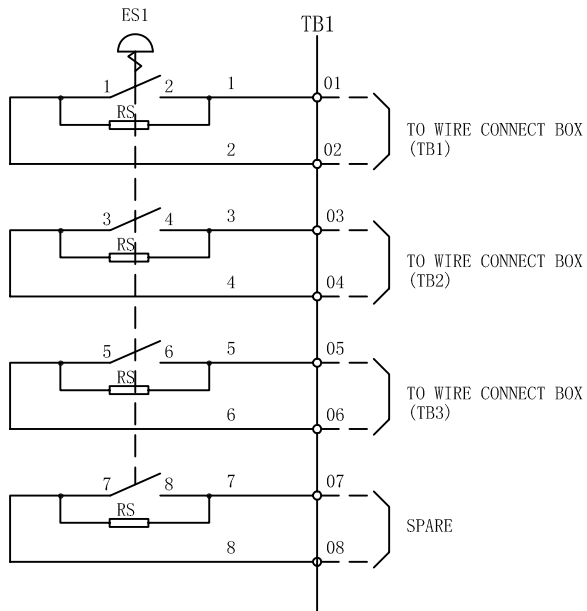
BOTTOM VIEW



NOTE:

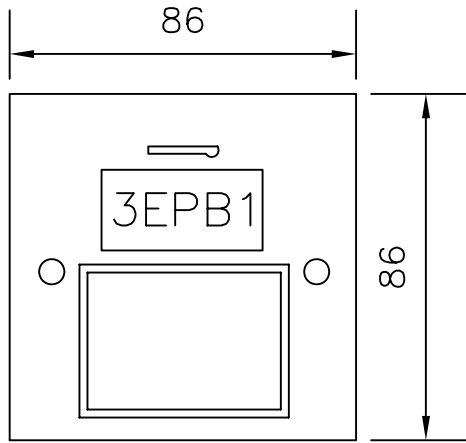
RS:12KΩ 1/2W FOR EACH



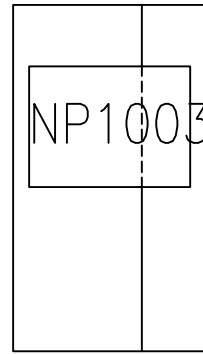


NOTE:

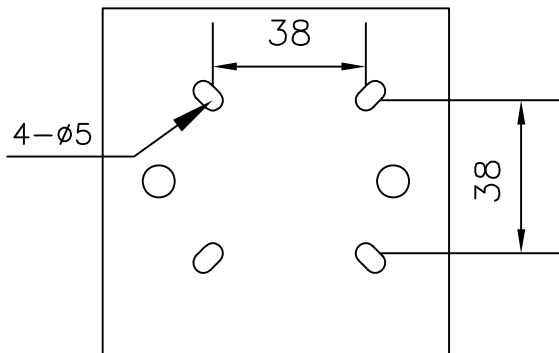
RS:12KΩ 1/2W FOR ES1,ES2
 RS:6.8KΩ 1/2W FOR ES3,ES4



FRONT VIEW

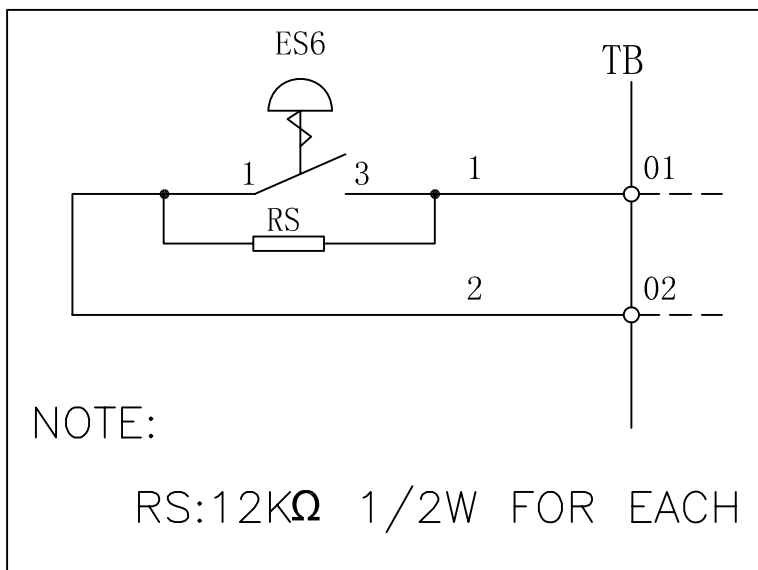


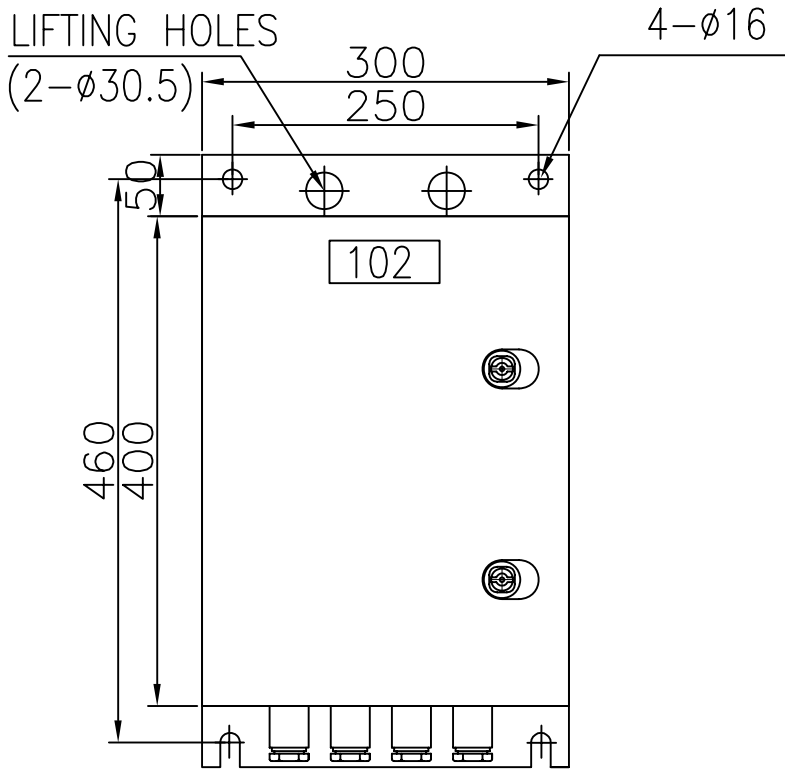
SIDE VIEW



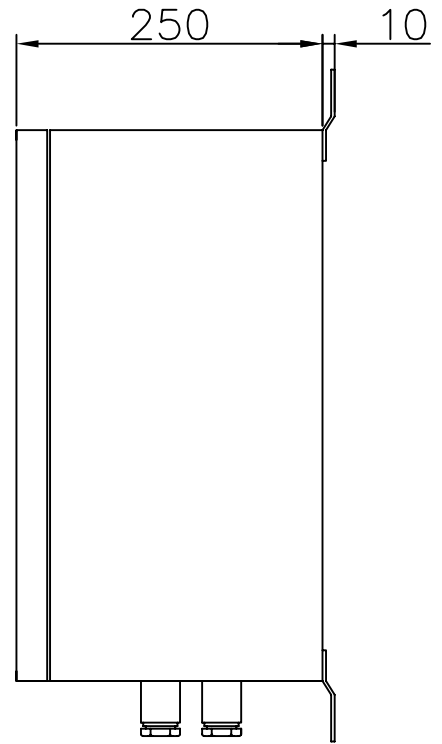
REAR VIEW

QT:2 PCS

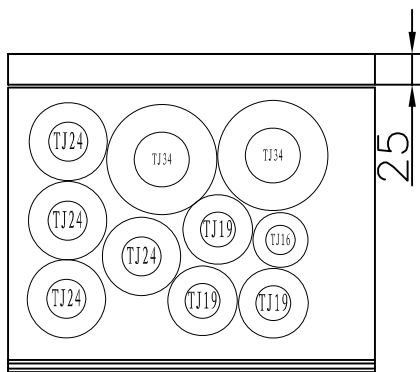




FRONT VIEW

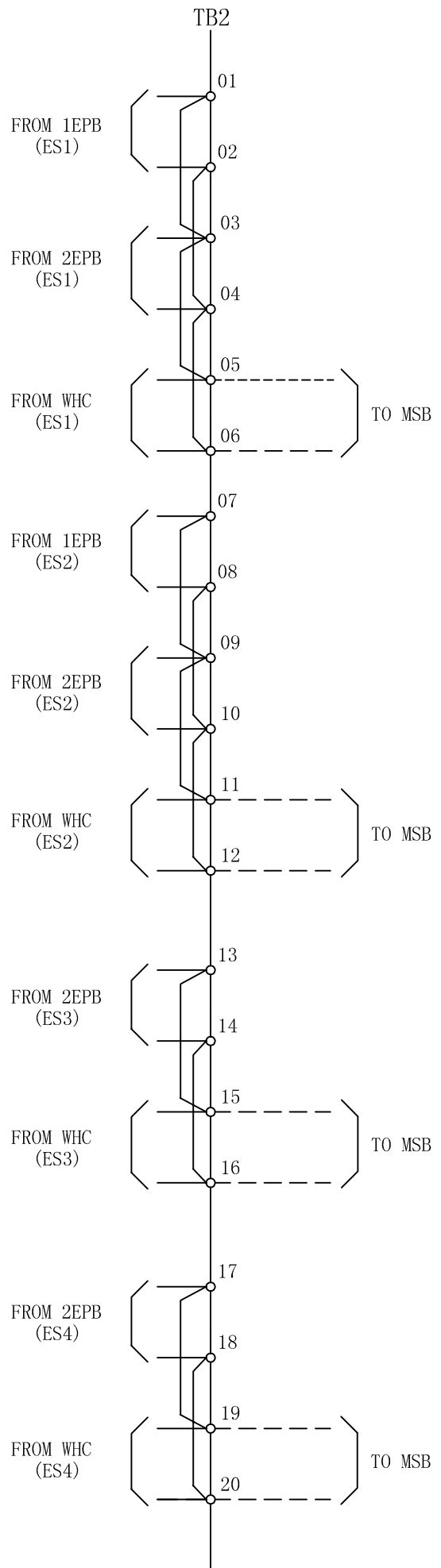
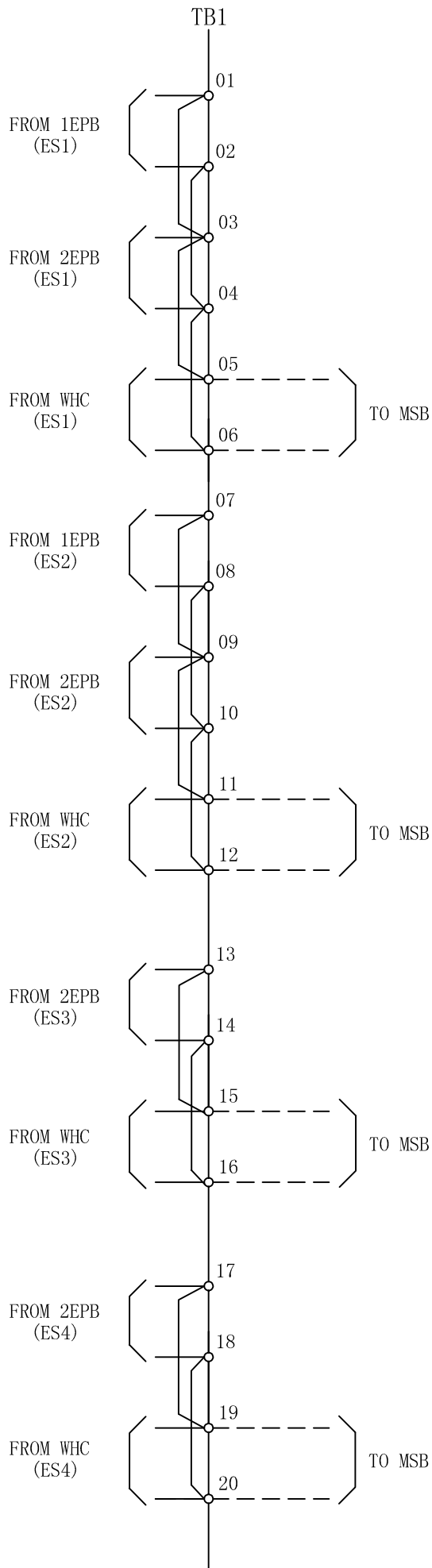


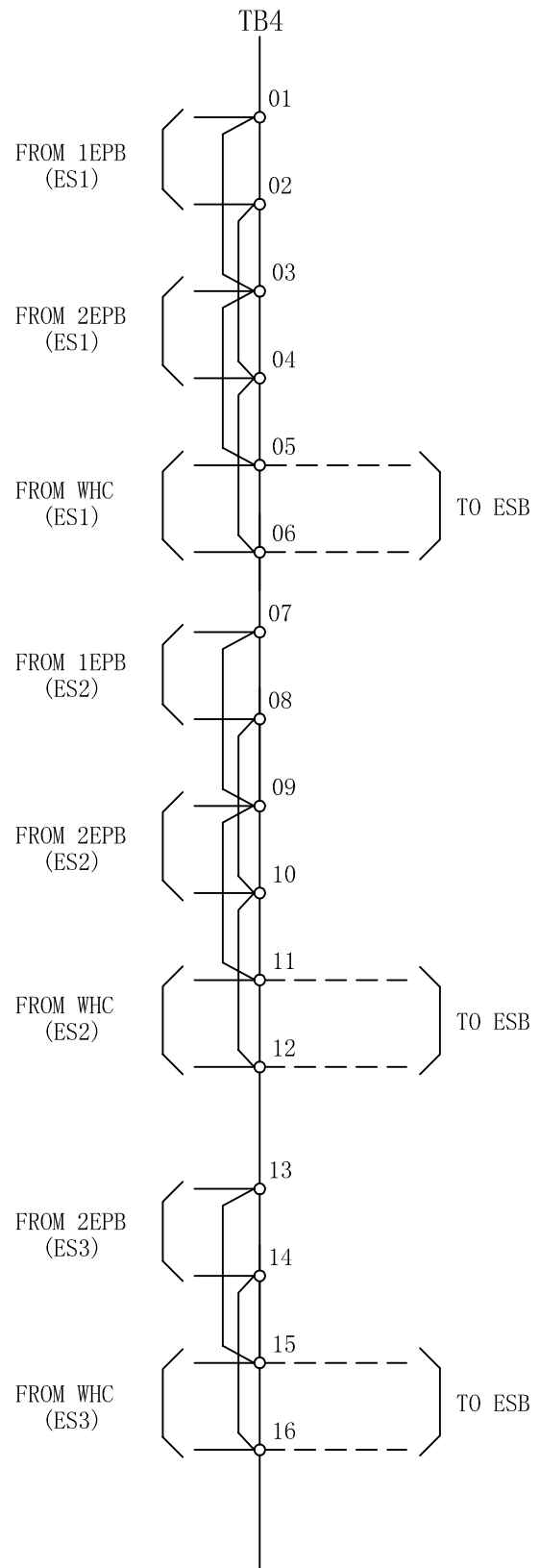
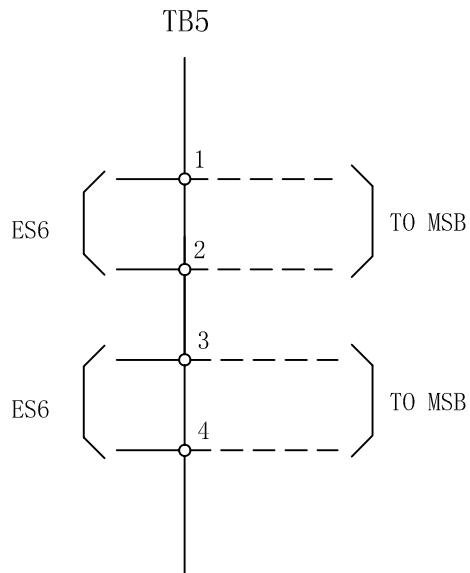
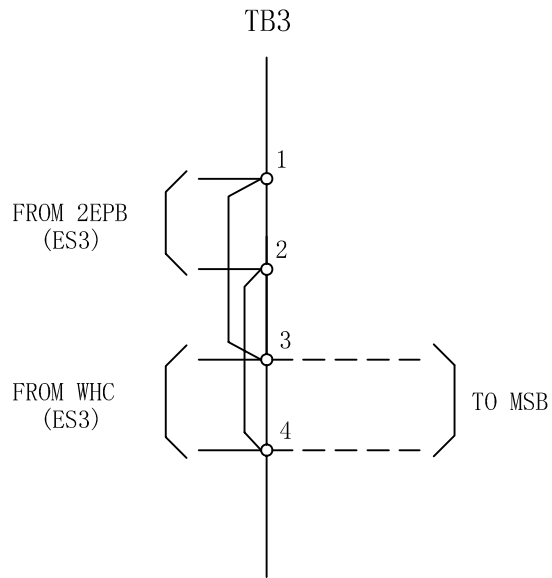
RIGHT VIEW

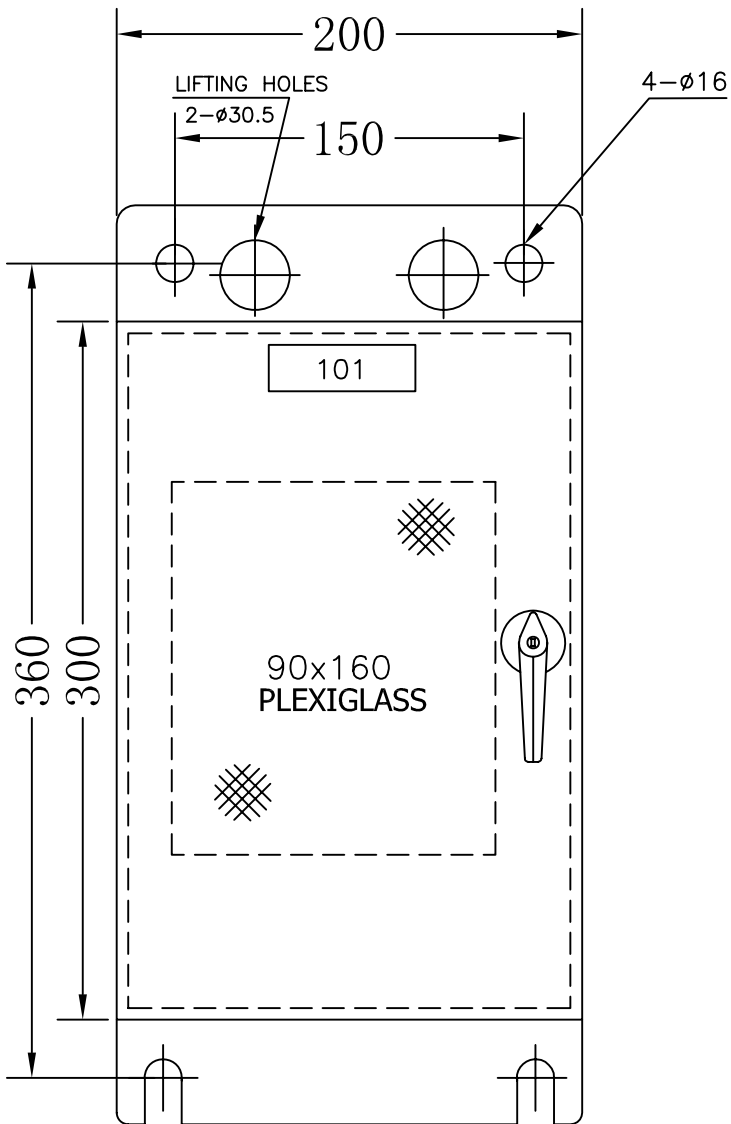


BOTTOM VIEW

NOTE:
DEGREE OF PROTECTION:IP44

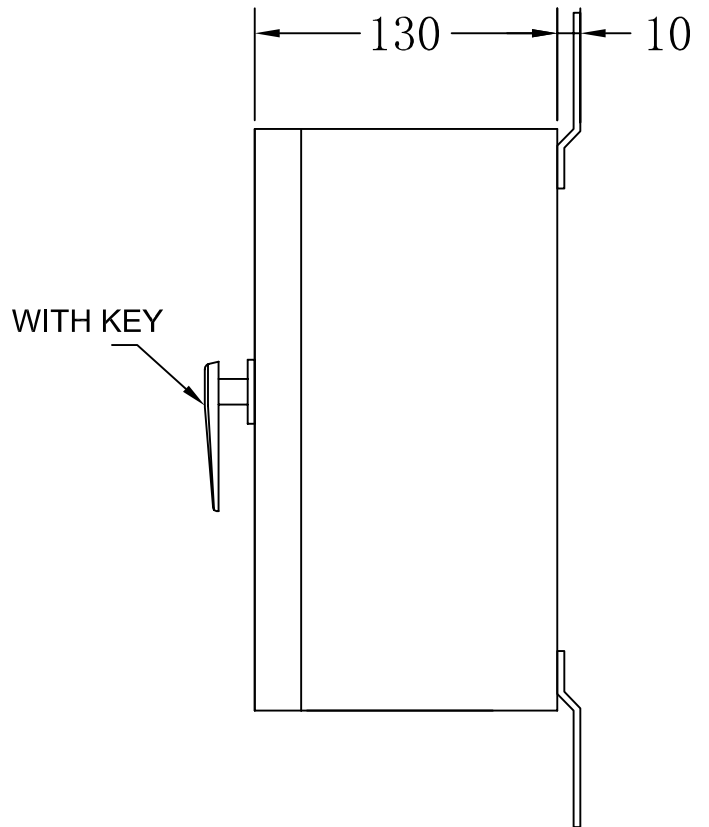






THERE IS A KEY AND A HAMMER
IN THE BOX FOR EMERGENCY CUT OFF PANEL

FRONT VIEW



QT:2 PCS

SIDE VIEW

TB1 (1EPB)

NO.	1	2	3	4	5	6	7	8	9	10
	ES1		ES1		ES1		ES1		SPARE	
CABLE	ESJB-3		ESJB-3		ESJB-3		ESJB-3			

TB2 (1EPB)

NO.	1	2	3	4	5	6	7	8	9	10
	ES2		ES2		ES2		ES2		SPARE	
CABLE	ESJB-4		ESJB-4		ESJB-4		ESJB-4			

TB1 (2EPB)

NO.	1	2	3	4	5	6	7	8	9	10
	ES1		ES1		ES1		ES1		SPARE	
CABLE	ESJB-5		ESJB-5		ESJB-5		ESJB-5			

TB2 (2EPB)

NO.	1	2	3	4	5	6	7	8	9	10
	ES2		ES2		ES2		ES2		SPARE	
CABLE	ESJB-6		ESJB-6		ESJB-6		ESJB-6			

TB3 (2EPB)

NO.	1	2	3	4	5	6	7	8	9	10
	ES3		ES3		ES3		ES3		SPARE	
CABLE	ESJB-7		ESJB-7		ESJB-7		ESJB-7			

TB4 (2EPB)

NO.	1	2	3	4	5	6	7	8	9	10
	ES4		ES4		ES4		ES4		SPARE	
CABLE	ESJB-8		ESJB-8		ESJB-8		ESJB-8			

TB1 (WIRE CONNECTION BOX)

NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CABLE (IN)	ESJB-3		ESJB-5		ESJB-1		ESJB-4		ESJB-6		ESJB-1		ESJB-7		ESJB-1		ESJB-8		ESJB-1	
	1EPB ES1		2EPB ES1		WHC ES1		1EPB ES2		2EPB ES2		WHC ES2		2EPB ES3		WHC ES3		2EPB ES4		WHC ES4	
CABLE (OUT)	ESJB-9				ESJB-9				ESJB-9				ESJB-9							

TB2 (WIRE CONNECTION BOX)

NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
CABLE (IN)	ESJB-3		ESJB-5		ESJB-1		ESJB-4		ESJB-6		ESJB-1		ESJB-7		ESJB-1		ESJB-8		ESJB-1					
	1EPB ES1		2EPB ES1		WHC ES1		1EPB ES2		2EPB ES2		WHC ES2		2EPB ES3		WHC ES3		2EPB ES4		WHC ES4		SPARE		SPARE	
CABLE (OUT)	ESJB-9				ESJB-9				ESJB-9				ESJB-9											

TB4 (WIRE CONNECTION BOX)

NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CABLE (IN)	ESJB-3		ESJB-5		ESJB-1		ESJB-4		ESJB-6		ESJB-1		ESJB-7		ESJB-1					
	1EPB ES1		2EPB ES1		WHC ES1		1EPB ES2		2EPB ES2		WHC ES2		2EPB ES3		WHC ES3		SPARE		SPARE	
CABLE (OUT)	ESJB-2				ESJB-2				ESJB-2											

TB3 (WIRE CONNECTION BOX)

NO.	1	2	3	4
CABLE (IN)	ESJB-7		ESJB-1	
	2EPB ES3		WHC ES3	
CABLE (OUT)	ESJB-9			

TB5 (WIRE CONNECTION BOX)

NO.	1	2	3	4
CABLE (IN)	ES6		ES6	
	ES6		ES6	
CABLE (OUT)	ESJB-9			

TB (3EPB)

NO.	1	2
	3EPB ES6	
CABLE	ES6-1	

TB (3EPB)

NO.	1	2
	3EPB ES6	
CABLE	ES6-2	

