

Ž	NO. DESCRIPTION	SHEET NO.	NO.	DESCRIPTION	SHEET NO.						
g-m4	1 TOTAL COVER	grad.	24	PLC ANALC	24						
2	2 TOTAL INDEX	2	25	PLC RTD-0	25						
m	3 GENERAL SPECIFICATION	3	26	PLC RTD-1	26						
4	4 GENERAL SPECIFICATION-2	4	22	PLC DIP SWITCH SETTING	27						
5	S SYMBOL & LEGEND	25	28	TERMINAL DIAGRAM	28						
φ.	5 SYMBOL & LEGEND	9	29	TERMINAL DIAGRAM	29						
	7 LOCAL PANEL ASS'Y OUTLINE	7	30	TERMINAL DIAGRAM	30						
8	S CABLE ENTRY PLATE DETAIL DRAWING	8	E.	TERMINAL DIAGRAM	31						
6	9 LOCAL PANEL INNER OUTLINE	6	32	LOOP DIAGRAM	32						
10	.0 THREE LINE DIAGRAM	10	æ	LCP PART LIST	33						
11	.1 SEQUENCE DIAGRAM	7	34	LCP PART LIST	34						<u> </u>
12	2 SEQUENCE DIAGRAM	12	35	PLC PART LIST	35						
13	3 SEQUENCE DIAGRAM	13		Transfer of the state of the st		-					
14	.4 SEQUENCE DIAGRAM	14									
15	S LCP DRYCONTACT-0	1.5									
16	6 EARTH DISTRIBUTION	16									
17	7 PLC CONFIGURATION	17									
18	8 PLC DIGITAL OUTPUT-0	18									
19	9 PLC DIGITAL GUTPUT-0	19									
20	ID PLC DIGITAL INPUT-0	20									
21	11 PLC DIGITAL INPUT-0	21									
22	2 PLC ANALOG OUTPUT-0	22									
73	3 PLC ANALOG INPUT-0	23									
		CUSTOMER	MER		APPROVED B.J.KIM		DWG, NAME			E E	į
	THE CONTROL OF THE CO			SMART #1701	снескер S.H.JUNG		DWG. NO.	TOTAL INDEX	Id #	REV. NO.	NONE
1 1	The state of the s	SUPPLIER	i -	1	DESIGNED - DRAWN T.W.KIM	DATE - DATE 7-08-09	102000	EPU6-003159A	16 +	SHEET	7
REV. DATE	DESCRIPTION of REVISION		0	מות מות מות	1						

ON ,	NEWAL OF	SPE	ÖN	DESCRIPTION	SPECIFICATION	
ਜ 	COMMERCIAL POWER	1) RATED VOLTAGE : 3PHASE AC 380V 2) RATED FREQUENCY : 60Hz 3) CAPACITY : 7.0KW	æ o	APPLICATION PROTECTION OF CIRCUIT	IEC I. CIRCUIT BREAKER : MCCB, CP, FUSE DIMP & HEATED . MAS (MANIJA) MATCA CTANTED .	
N M	EMERGENCY POWER	1) RATED VOLTAGE : N/A 2) RATED FREQUENCY : N/A 3) CAPACITY : N/A 1) AC CONTROL : 1PHASE AC 110V	10	WORKING CONDITION	HEIGHT : UP SURROUNDING : MIN	
, 4	AUX. OIL PUMP	2) DC CONTROL : DC 24V 3) SUPPLY SYSTEM : CONTROL TR, SMPS 1) RATED VOLTAGE : 3PHASE AC 380V 2) CAPACITY : 1.5kW	#	PANEL (LCP)	1) MATERIAL : SPHC 2) STEEL THICKNESS - FRAME : 1.6 mm - COVER : 1.6 mm - OTHERS : 1.6 mm 3) ENCLOSURE CLASS : 1P41	
	RESERVOIR OIL HEATER CONTROL SEQUENCE	1) RATED VOLTAGE : 3PHASE AC 380V 2) CAPACITY : 4.0KW 1) RATED VOLTAGE : 1PHASE AC 110V 2) CAPACITY : 1.5KW			4) PANEL PURGE INLET AIR TUBE : N/A 5) LOCATION : IN DOOR 6) IN/OUTSIDE COLOR : RAL 7015 7) INNER PLATE COLOR : RAL 7015 8) PAINTING THICKNESS : 60um	
	VACUUM PUMP	1) RATED VOLTAGE : N/A 2) CAPACITY : N/A	12	CASE TYPE	1) PANEL : SELF STANDING 2) CABLE ENTRANCE : BOTTOM	
1	OESCRIPTION of REVISION	SMART #1701 SUPPLIER C Hanwha Power	SMART #1701	APPROVED B.J.KIM CHECKED S.H.JUNG	DATE 2017-08-09 DWG. NAME GENERAL SPECIFICATION DATE - DWG. NO. EP06-003159A DATE - - PROJECT	= P1 UNIT + PI SHET TOTAL

GENERAL SPECIFICATION

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NO.	DESCRIPTION		SPECIFI	SPECIFICATION				Š S
13	EACH CONDUCTOR COLOR	1) COLOR	CLASSIFY (AC	COLOR CLASSIFY (AC THREE PHASE)				16
	e parter.	- L1(R): RED	RED	- L2(S): YELLOW	M	- L3(T): BLUE		
		- PE(N)	- PE(N): GREEN			, T. C.	I	
		2) COLOR	CLASSIFY (AC	COLOR CLASSIFY (AC SINGLE PHASE)				
		- [1([) :	- £1(L): BLACK	- L2(T): BLACK			Ţ	
		3) COLOR	COLOR CLASSIFY (DC)	(The state of the s	1 T	17
		- POSIT	- POSITIVE(P): RED	- NEGATIVE(N):	BLUE		I	AUX. 0
#								CAPACI
14	INTERNAL WIRE	1) AC POW	AC POWER LINE	; KIV/HKIV(60227),	BLACK	/ 1.550 ~ 10,050	I	500Wa
		2) AC CON	AC CONTROL LINE	; KIV/HKIV(60227),	RED	/ 1.0SQ ~ 6.0SQ	<u> </u>	1500W
		3) DC POW	DC POWER LINE	; KIV/HKIV(60227),	BLACK	/ 0.550 ~ 1.550		3750W
		4) DC CON	DC CONTROL LINE			A CONTRACTOR OF THE PERSON OF		RESERVO
		- POSIT	- POSITIVE(P) :KIV/HKIV(60227),	KIV(60227), BLUE		/ 0.55Q ~ 1.55Q		CAPACI
		- NEGAT	IVE(N): KIV/	- NEGATIVE(N) : KIV/HKIV(60227), BLUE		/ 0.55Q ~ 1.55Q		4000W
		S) GROUND		: KTV/HKTV(60227),	GR/YW	GR/YW / 1.55Q ~ 6.05Q		M0009
		6) PLC CABLE	щ	: AWM 1007 VM-1		/ 20AWG	1	MMS SET
:	The state of the s	The state of the s					I	AUX. OI
1.5	TERMINAL TYPE	 MAIN POWER 		: "PIN" TYPE			,	RESERV
		2) CONTRO	CONTROL POWER	: "O, Y, PIN" TYPE		The state of the s	Ι	CAPACI
		3) PLC		: "O, Y, PIN" TYPE		T T T T T T T T T T T T T T T T T T T	1	SOOWa
		4) SIGNAL		: "O, Y, PIN" TYPE		The state of the s		1500W
							I	3750W
							, 	

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В

	DESCR	DESCRIPTION		ķ	SPECIFICATION	ATION			
16	NAME PLATE		1) MA	MATERIAL		: ACRYL	.X.		
			2) BA	BACK GROUND COLOR	D COLOR	: WHITE	311		
			3) LE	LETTER COLOR	X.	: BLACK	X		
			4) SIC	SIGN LETTER		: ENG	ENGLISH		
17	MMS SE	MMS SETTING VALUE							
AUX,	OIL PUMP &	AUX. OIL PUMP & VACUUM PUMP							
CAPA	CAPACITY	FUNCTION	70ZZ	380V	4007	415V	4407	460V	4807
200	500Watt	LOAD(A)	3.2	1.8	1.8	1.7	1.6	1.6	1.5
1500	1500Watt	(OAD(A)	8.4	4.8	4.7	4.5	4.2	4.0	3.9
3750	3750Watt	LOAD(A)	19.0	11.0	9.6	10.0	9.5	9.1	8.7
RESERV	RESERVOIR OIL HEATER	ITER							
CAPA	САРАСПУ	FUNCTION	220V	3800	4000	415V	4400	460V	480V
4000	4000Watt	LOAD(A)	13.1	7.6	7.2	7.0	9.9	6.3	6,0
9009	6000Watt	LOAD(A)	39.5	11.4	10.8	10,4	9.6	9.4	9.6
MMS SE	TTING VALU	MMS SETTING VALUE = In * 125%							
AUX.	OIL PUMP: IN	AUX, OIL PUMP: IN = WATT / (1.732 * VOLTAGE * POWER FACTOR * EFFICIENCY)	VOLTAGE	* POWER	FACTOR *	EFFICIEN	8		
RESE	RVOIR OIL HEA	RESERVOIR OIL HEATER : In = WATT / (1.732 * VOLTAGE)	(1.732 *)	/OLTAGE)					
CAPA	CAPACITY	POWER FACTOR	æ		Efficiency				
2005	Soowatt	%OZ			71.5%				
1500	1500Watt	75%			78%				
3750	3750Watt	78%			83%				

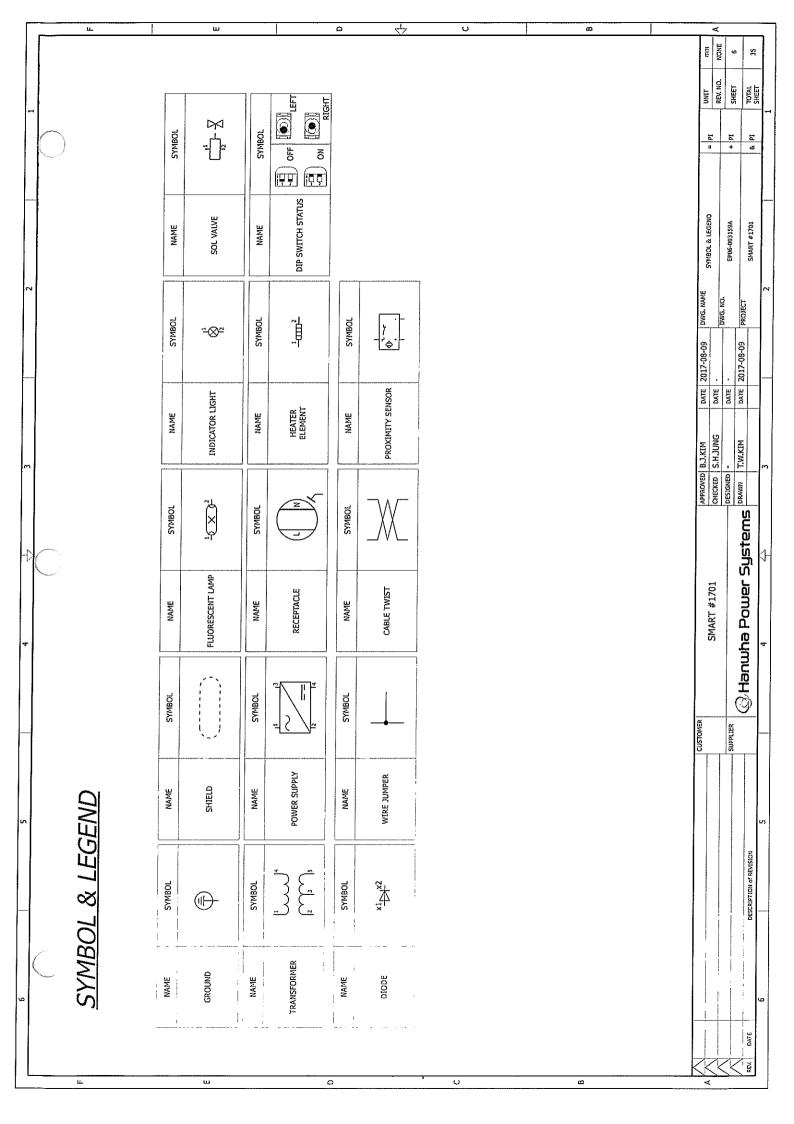
NAME GESTEDAT COECTECCATTORS		WG. NO. EP06-003159A			SMART #1701
DATE 2017-08-09 DWG. NAME			2017 00 00	U1/-U0-U9 PROJECT	
DATE 2	DATE .	DATE -	DATE 3	7	
PPROVED B.J.KIM	энескер S.H.JUNG	1	DRAWN TWYTM	INVESTIGA	
APPROVED	CHECKED	DESTGNED	DRAWN		
	SMAK! #1/01	THE RESERVE THE PARTY OF THE PA		המיות בל ימוד כל ממוד ממוד ממוד לא	
CUSTOMER		UPPLIER			

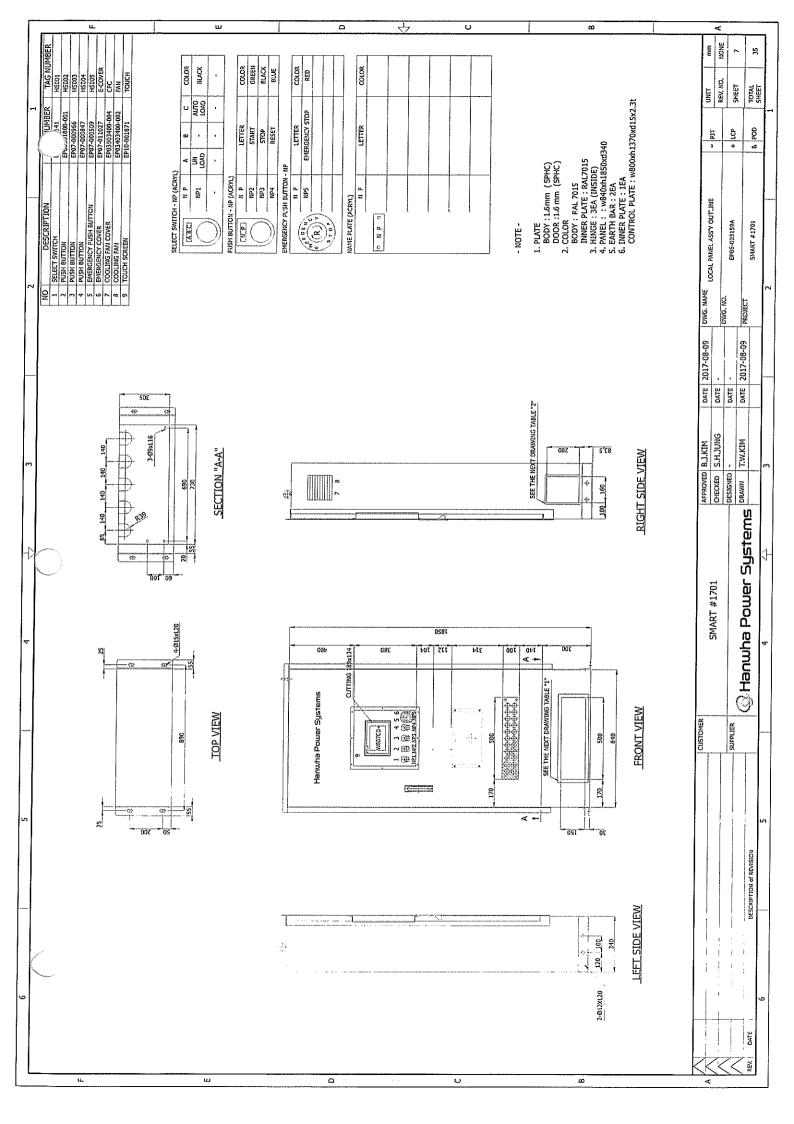
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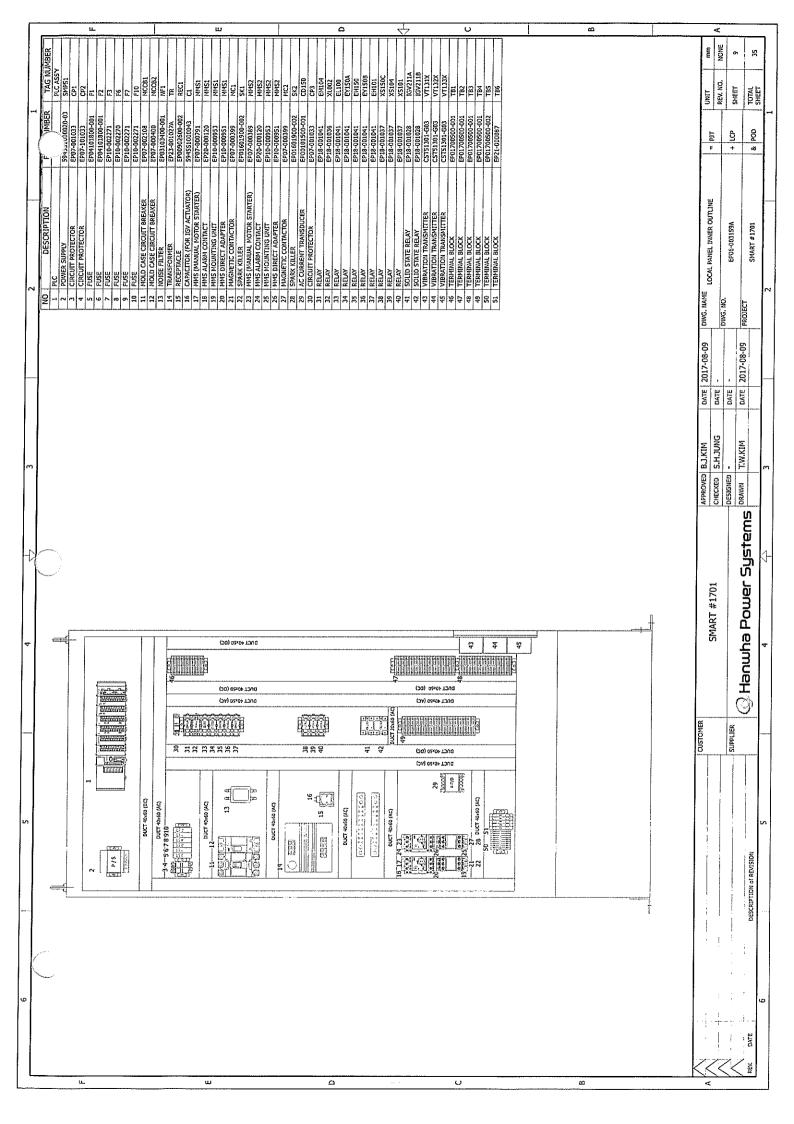
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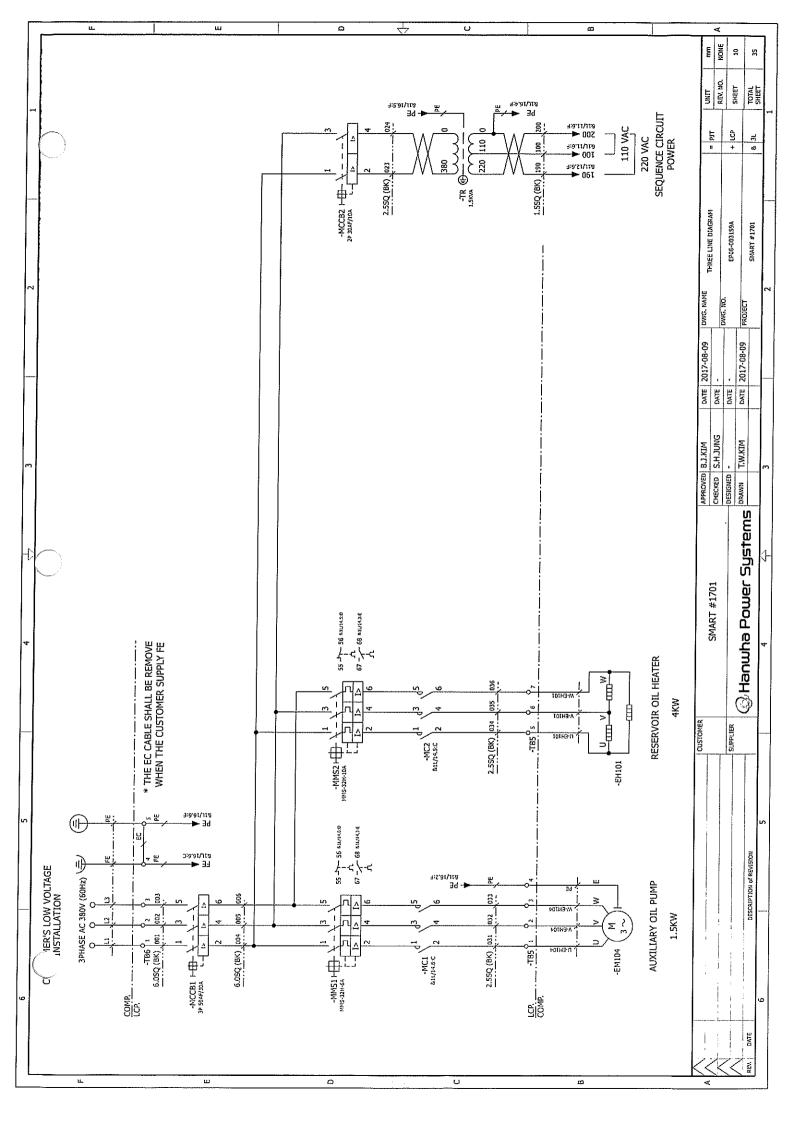
UNIT REV. NO. SHEET TOTAL SHEET

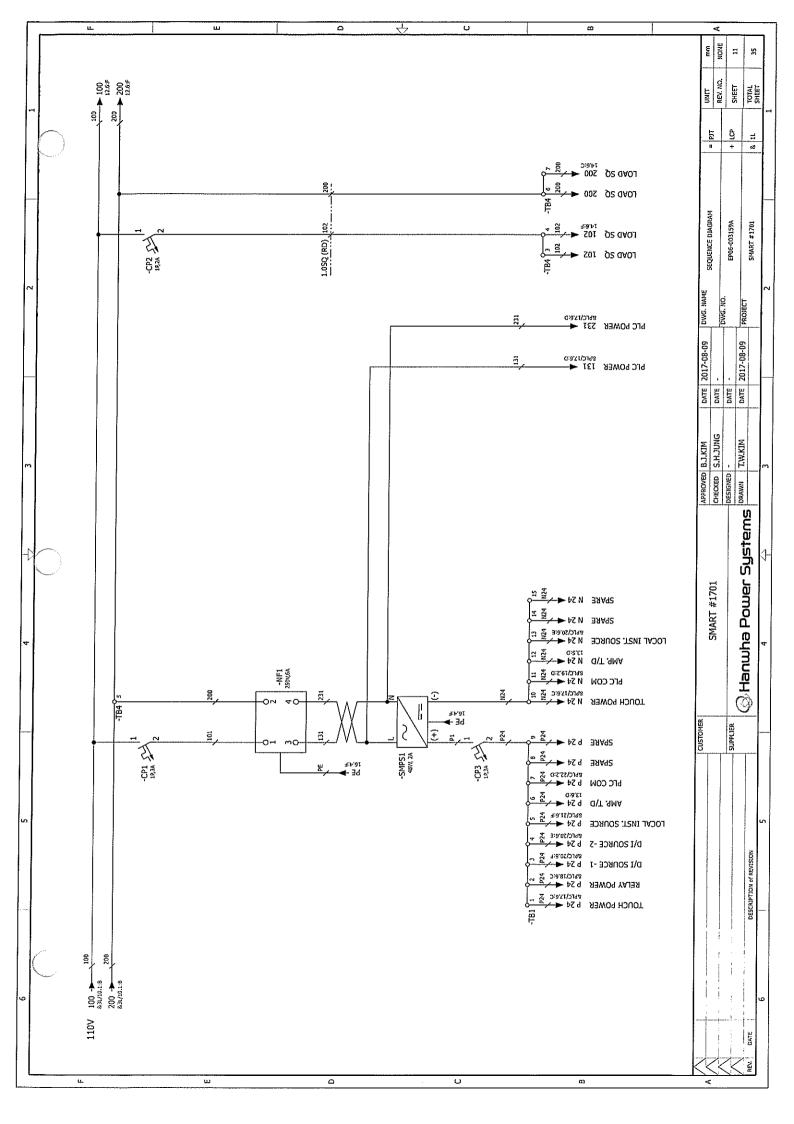
						1 []	UNIT mm REV. NO. NONE ASHEET 5
	гү үч	SYMBOL (F)	SYMBOL.	SYMBOL F\1	SYMBOL 1 M 1 M	Symbol.	3 4 3
	NAME	NAME POWER NC CONTACT	NAME EMERGENCY PUSH BUTTON NC CONTACT	NAME PUSH BUTTON NO CONTACT	NAME FAN MOTOR	NAME NOISE FILTER	SYMBOL & LEGEND EPOG-003159A
	SYMBOL.	SYMBOL 130 120	SYMBOL SYMBOL	SYMBOL 52	зумвог	х2 х1	DATE 2017-08-09 DWG. NAME DATE - DWG. NO. DATE - DWG. NO. DATE - PROJECT
	NAME CIRCUIT PROTECTOR	NAME NC CONTACT	NAME EMERGENCY PUSH BUTTON NO CONTACT	NAME SELECT SWITCH NC CONTACT	NAME RTD	NAME	
	SYMBOL SYMBOL	SYMBOL	SYMBOL.	SYSMBOL f ~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	SYMBOL SYMBOL F - F	ТП Т	#1701 crecke B.J.KIM crecke S.H.JUNG DESIGNED - DESIGNED - DESIGNED - DESIGNED - DESIGNED - TW.KIM
	NAME MANUAL MOTOR STARTERS	NAME POWER NO CONTACT	NAME LIMIT SWITCH NC CONTACT	NAME SELECT SWITCH NO CONTACT	NAME THERMO RELAY NC CONTACT	NAME	SMART #1701
	SYMBOL	SYMBOL	SYMBOL 12	SYMBOL.	SYMBOL Y	SYMBOL V V V V V V V V V V V V V V V V V V V	CUSTOMER SMART SUPPLIER
END	NAME MOLDED CASE CIRCUIT BREAKER	NAME NO CONTACT	NAME LIMIT SWITCH NO CONTACT	NAME FLOAT SWITCH NC CONTACT	NAME THERMO RELAY NO CONTACT	NAME THREE-PHASE OIL HEATER	5
SYMBOL & LEGEND	. SYMBOL.	SYMBOL (13	₹ \$XMBOL	SYMBOL 113	SYMBOL 	SYMBOL 3 ~	DESCRIPTION of REVISION
SYMBO	NAME PLC CARD	NAME AUXILIARY RELAY (COIL)	NAME	NAME FLOAT SWITCH NO CONTACT	NAME PUSH BUTTON NC CONTACT	ㅠ 꿏뜻	
u.	l	1. !	0 .	·	ά		A A REV. DATE

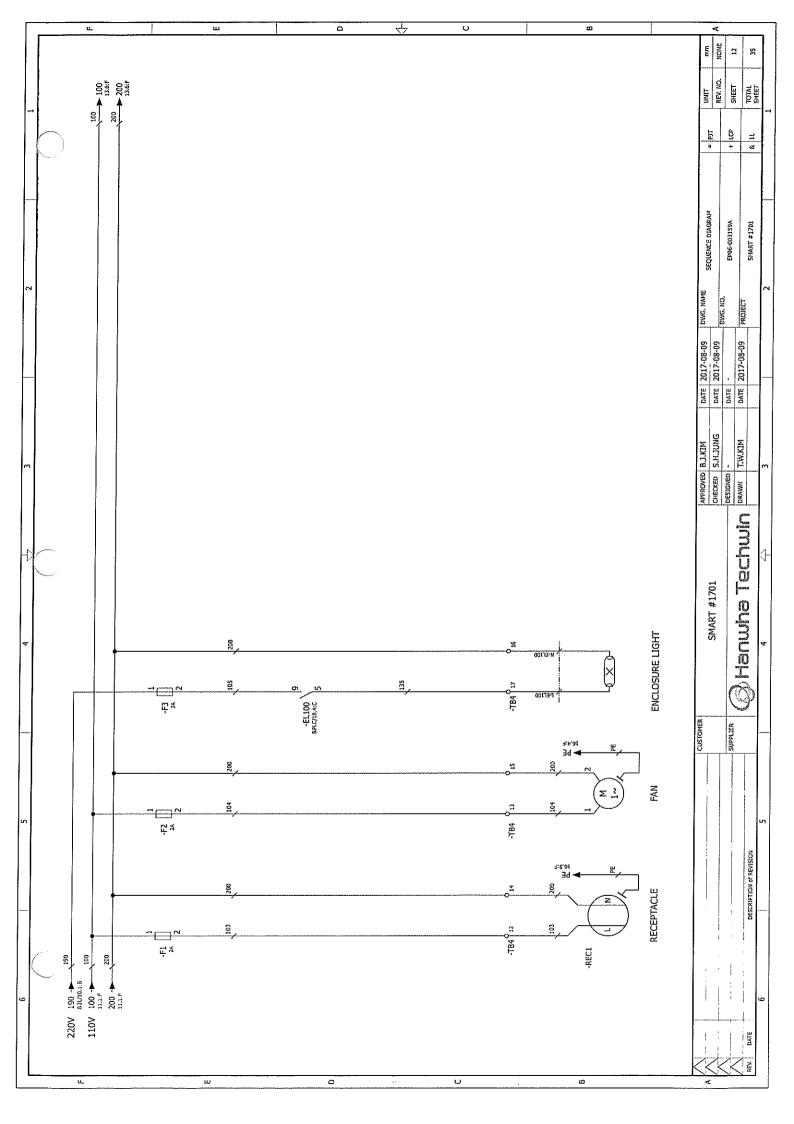


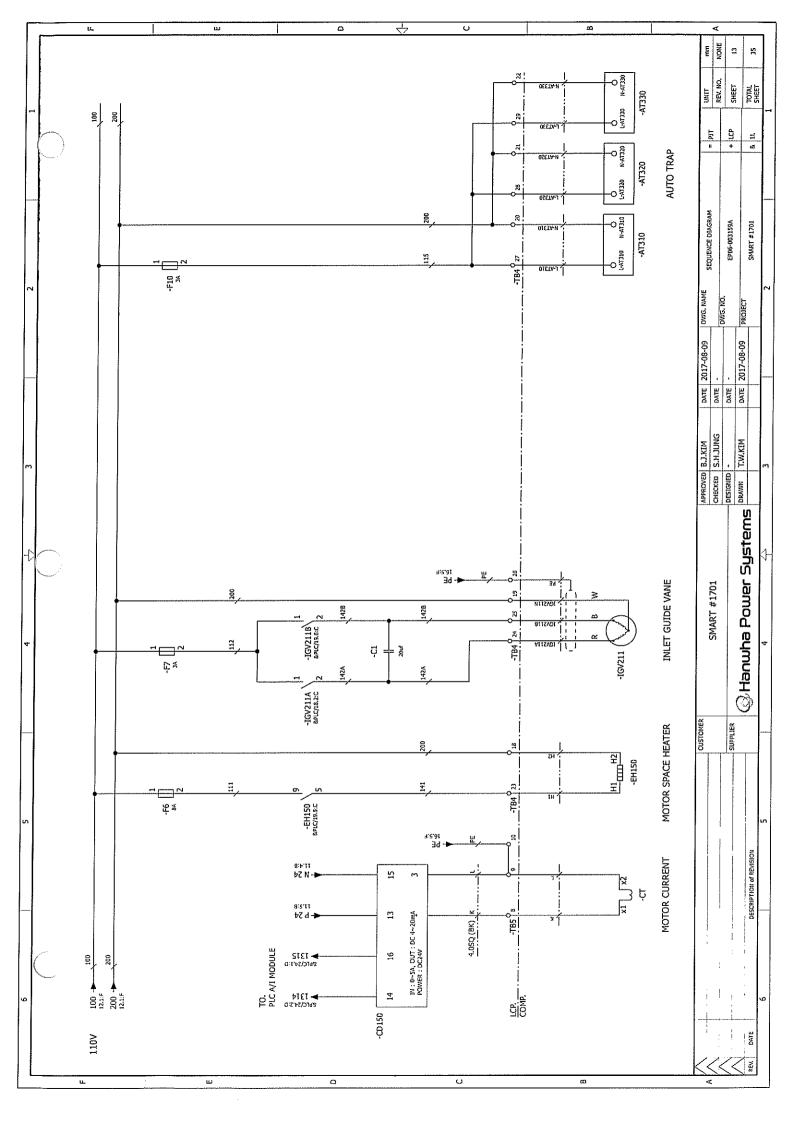


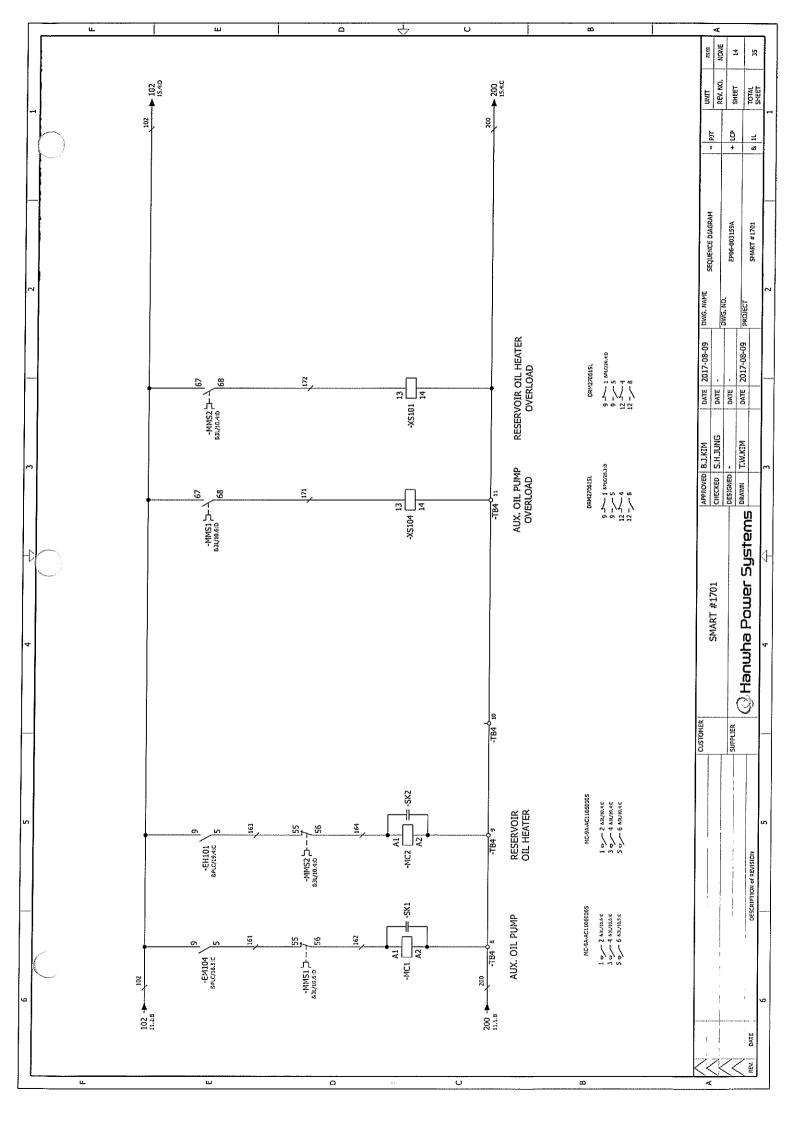


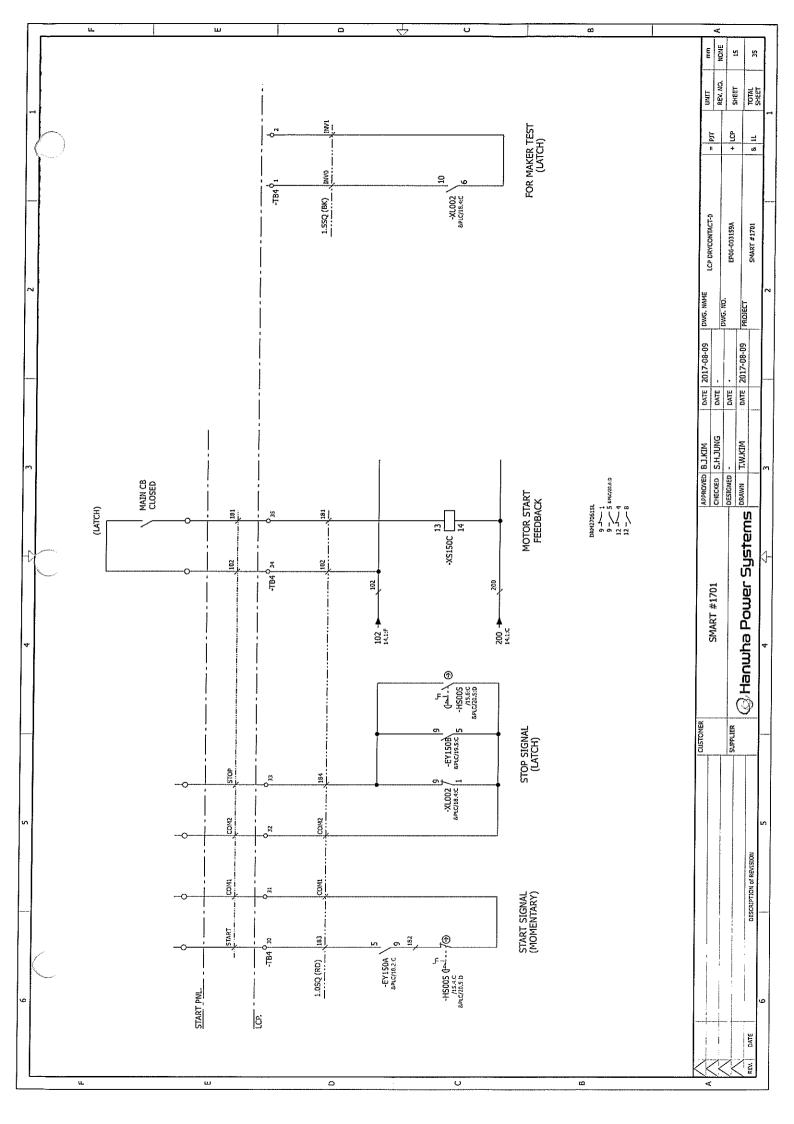


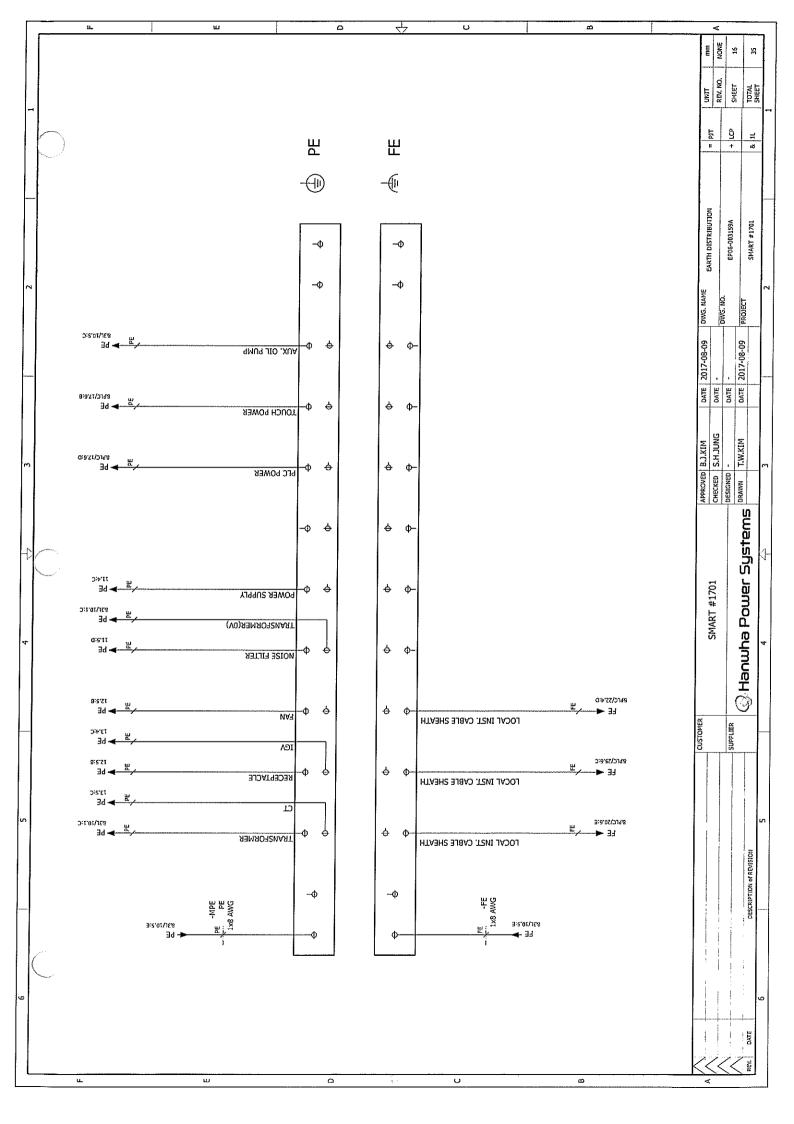


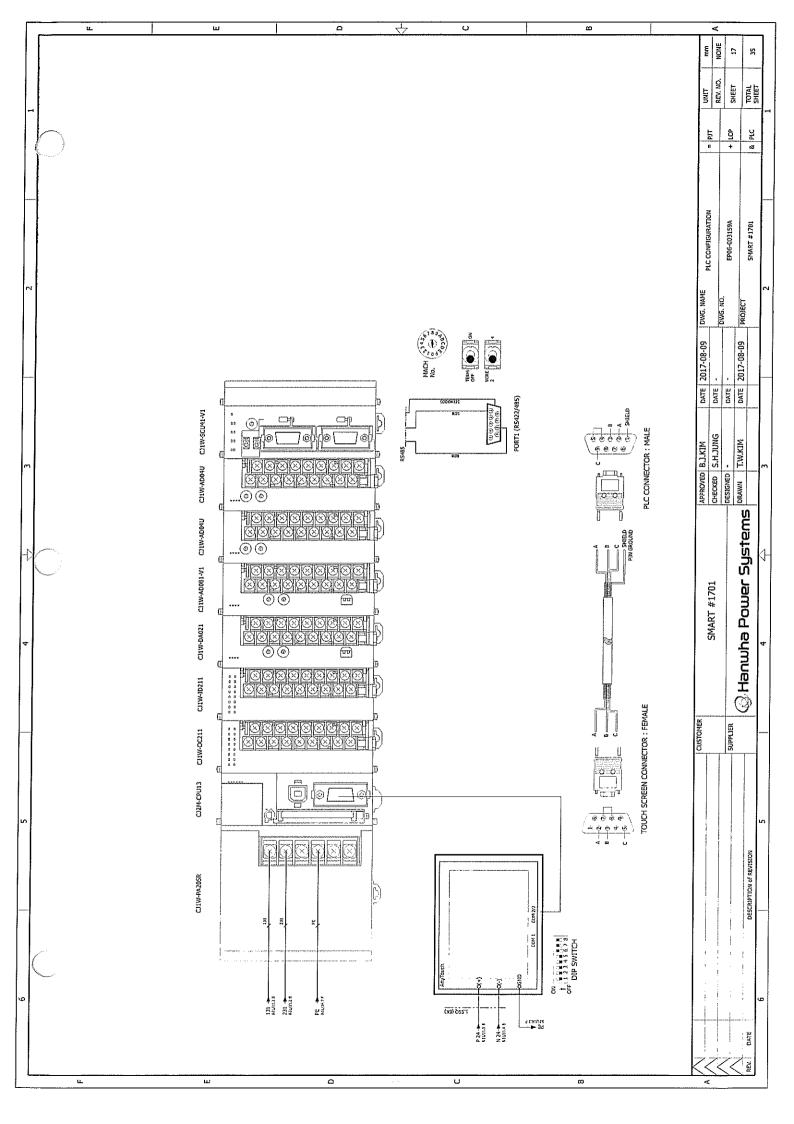


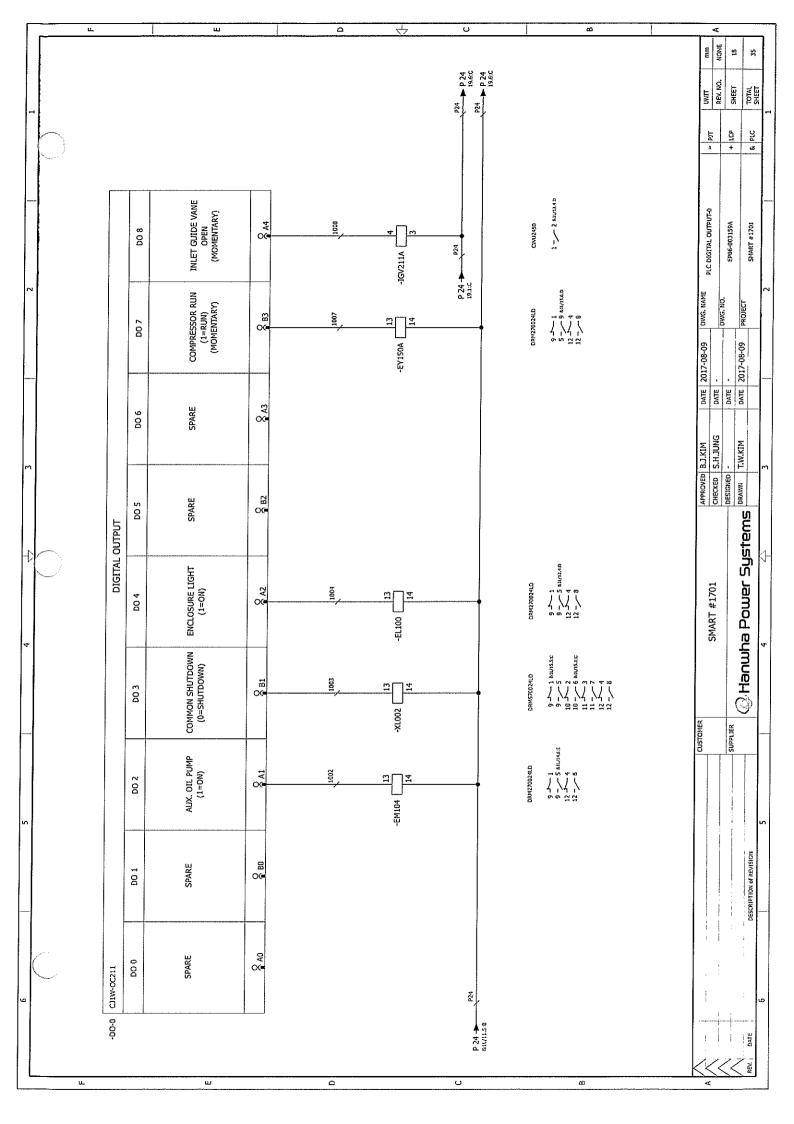


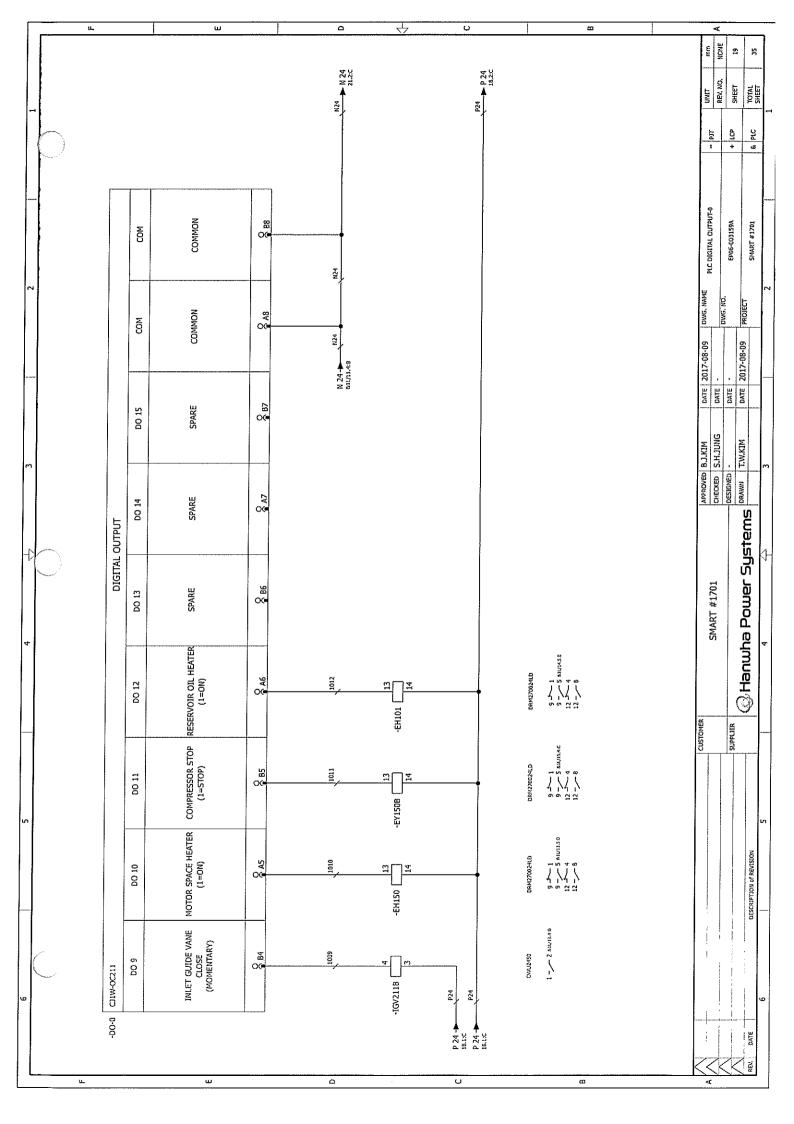


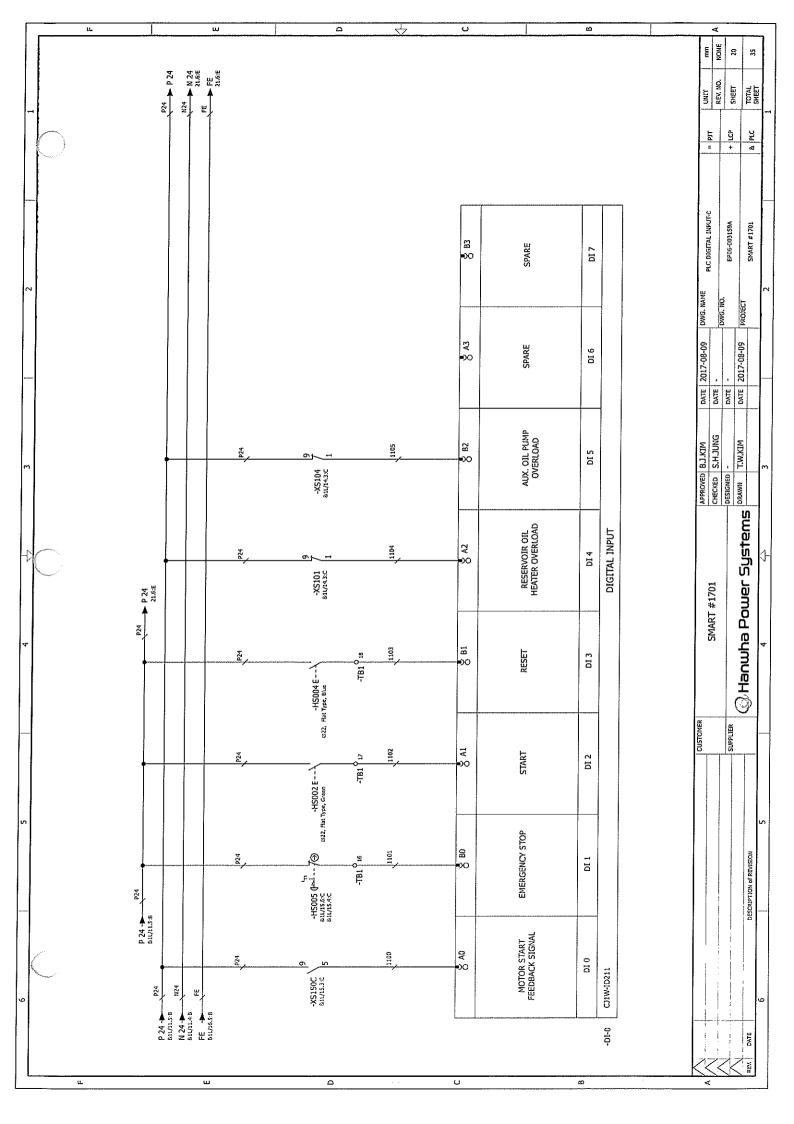


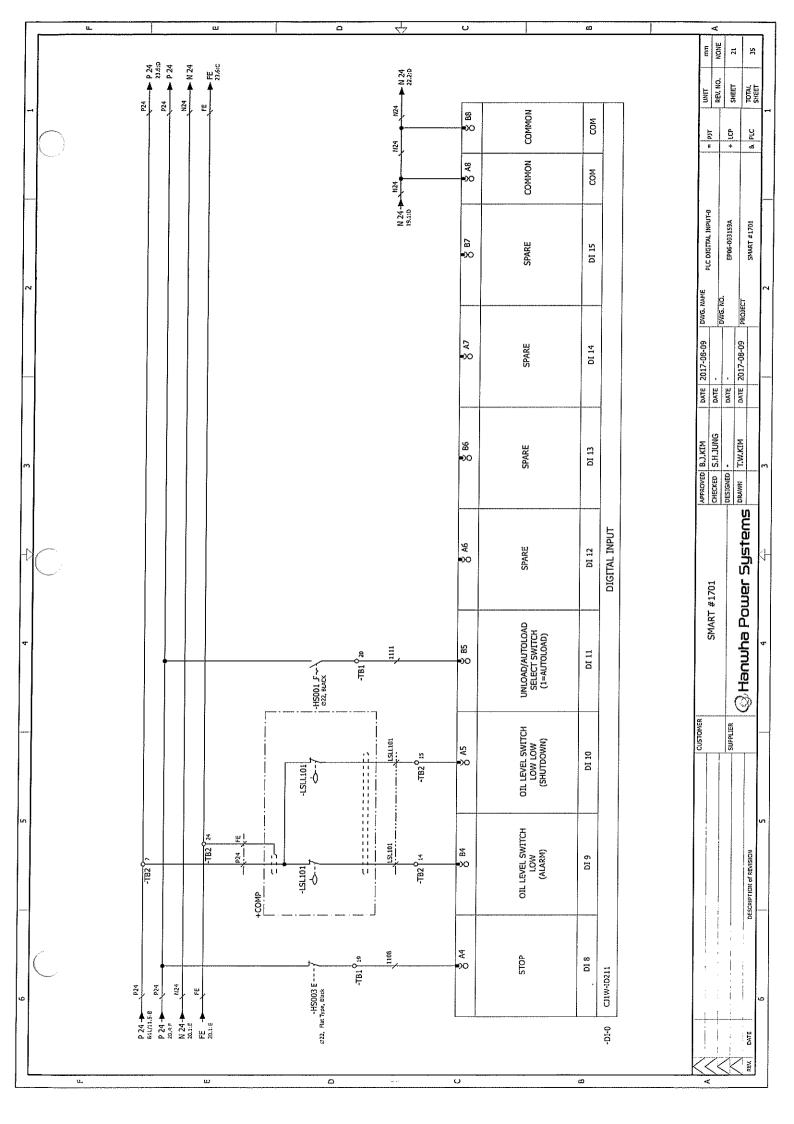


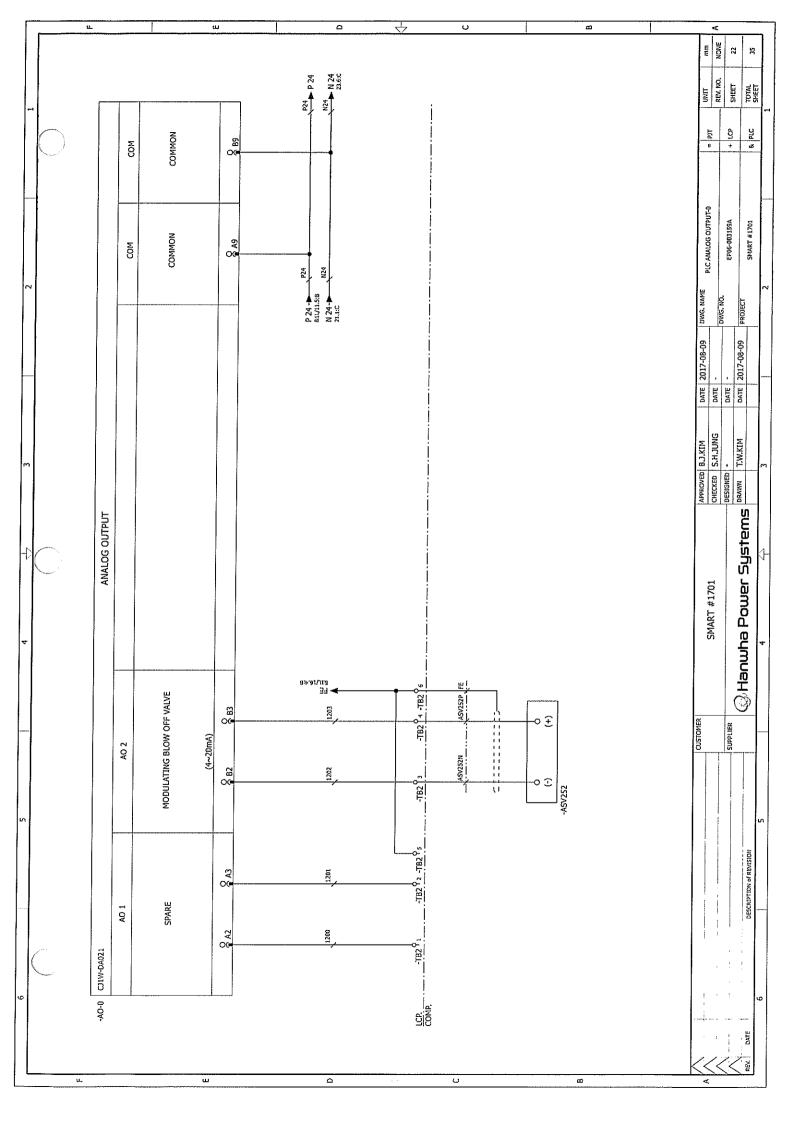


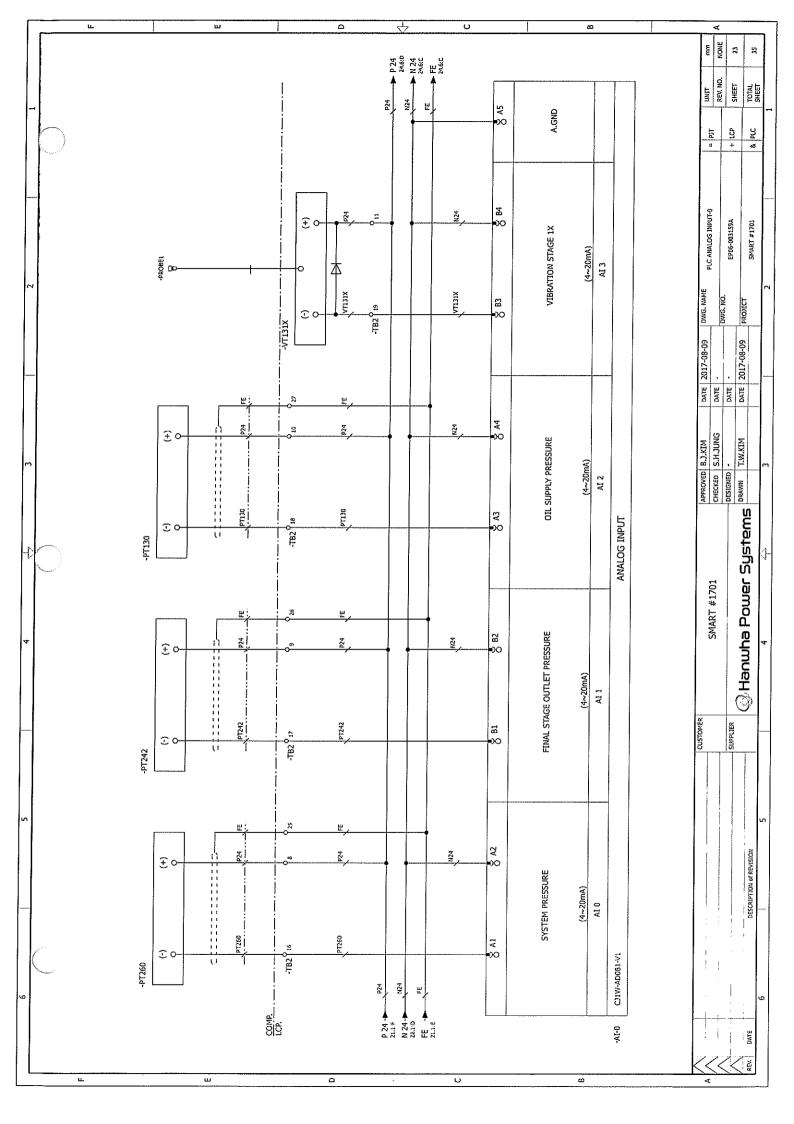


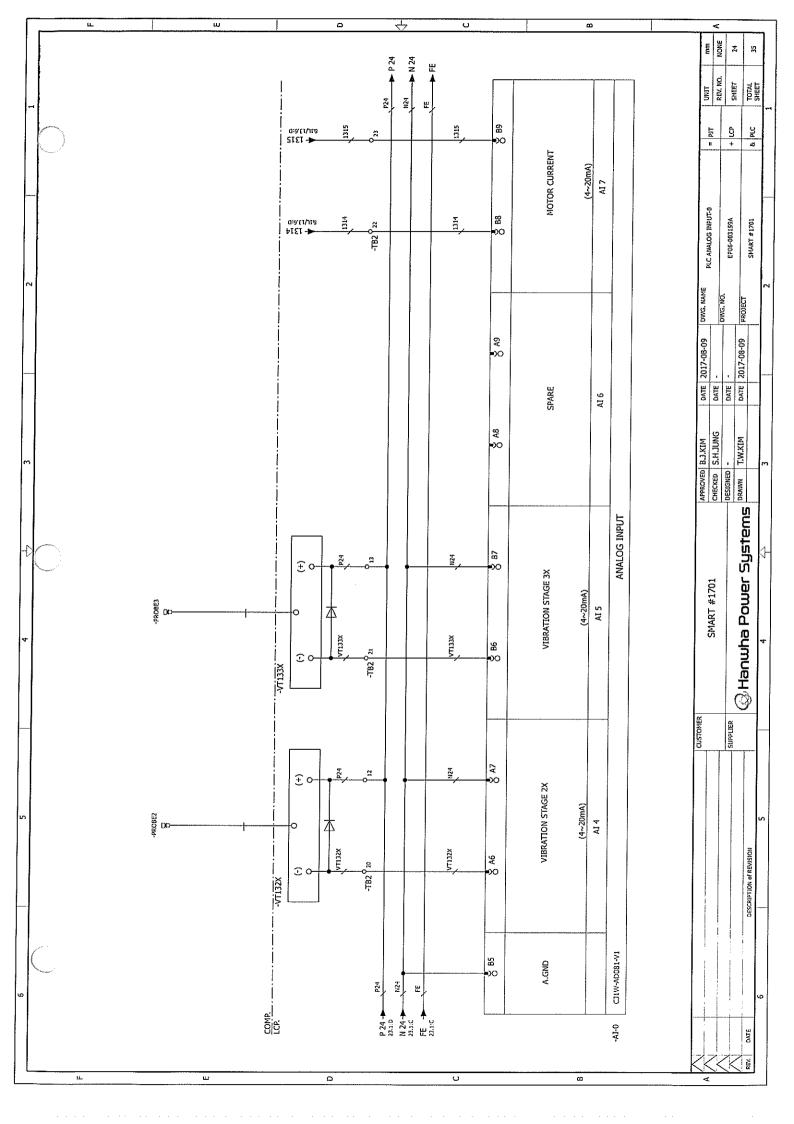


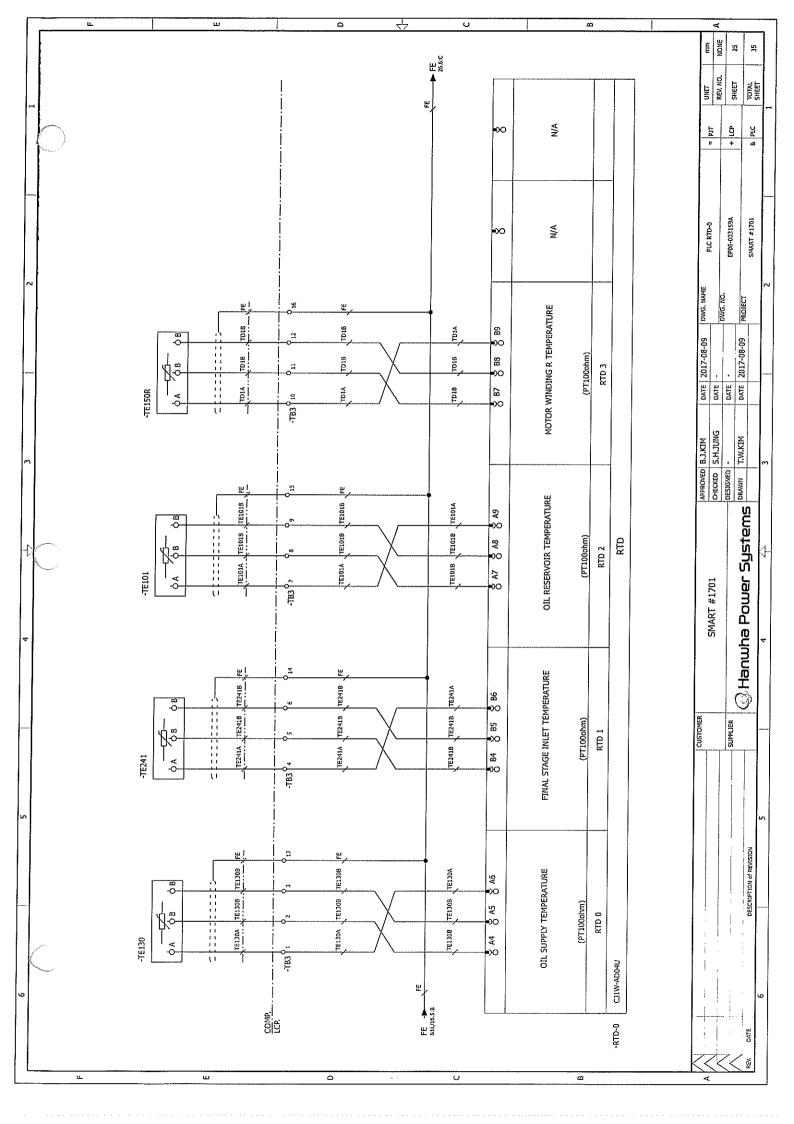


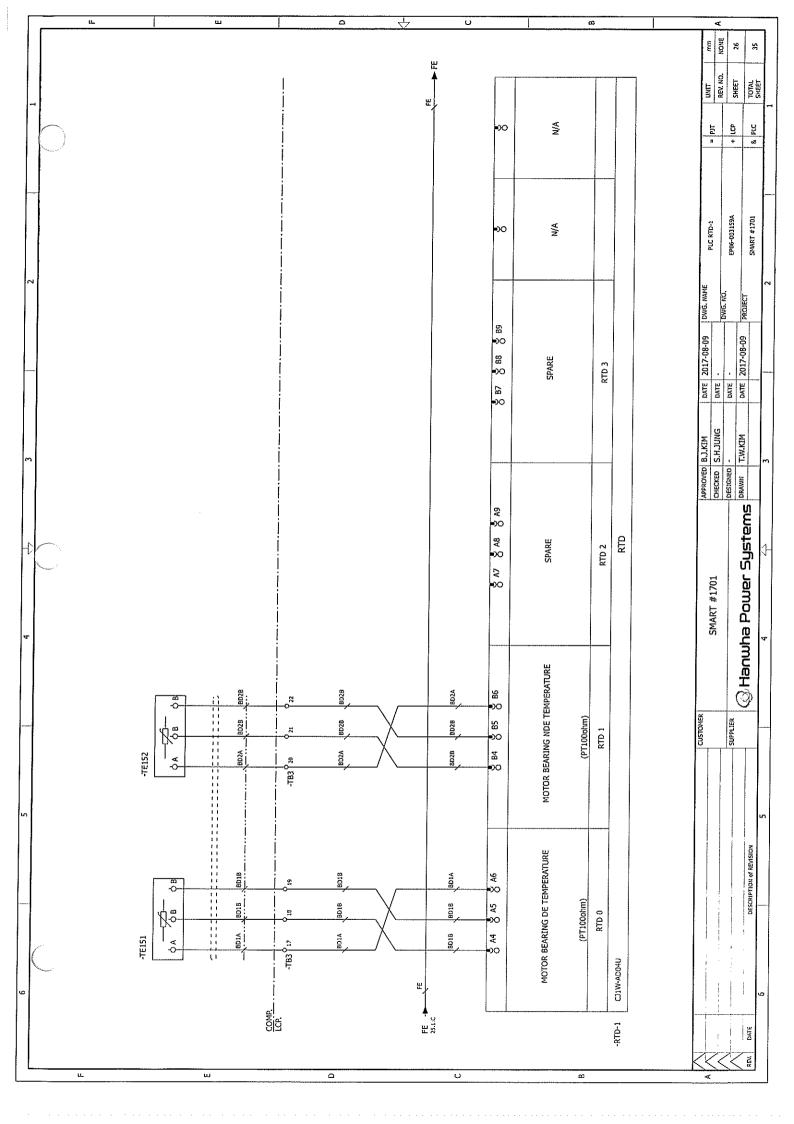


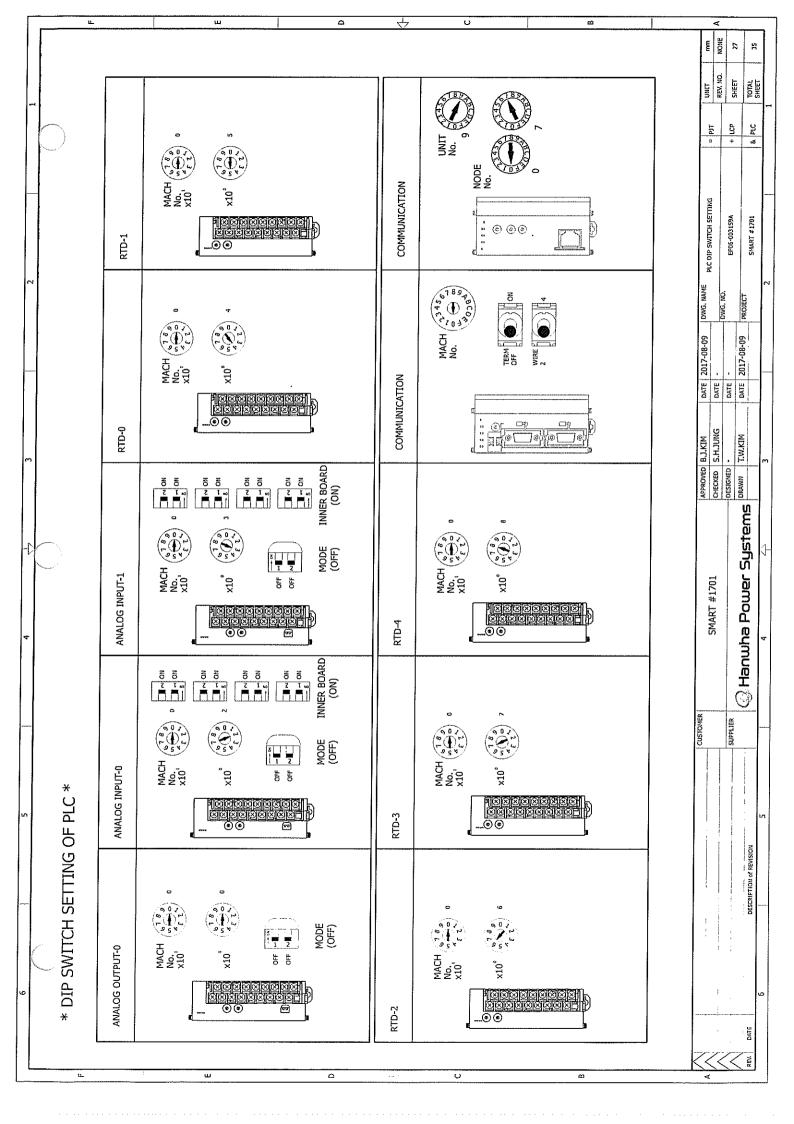






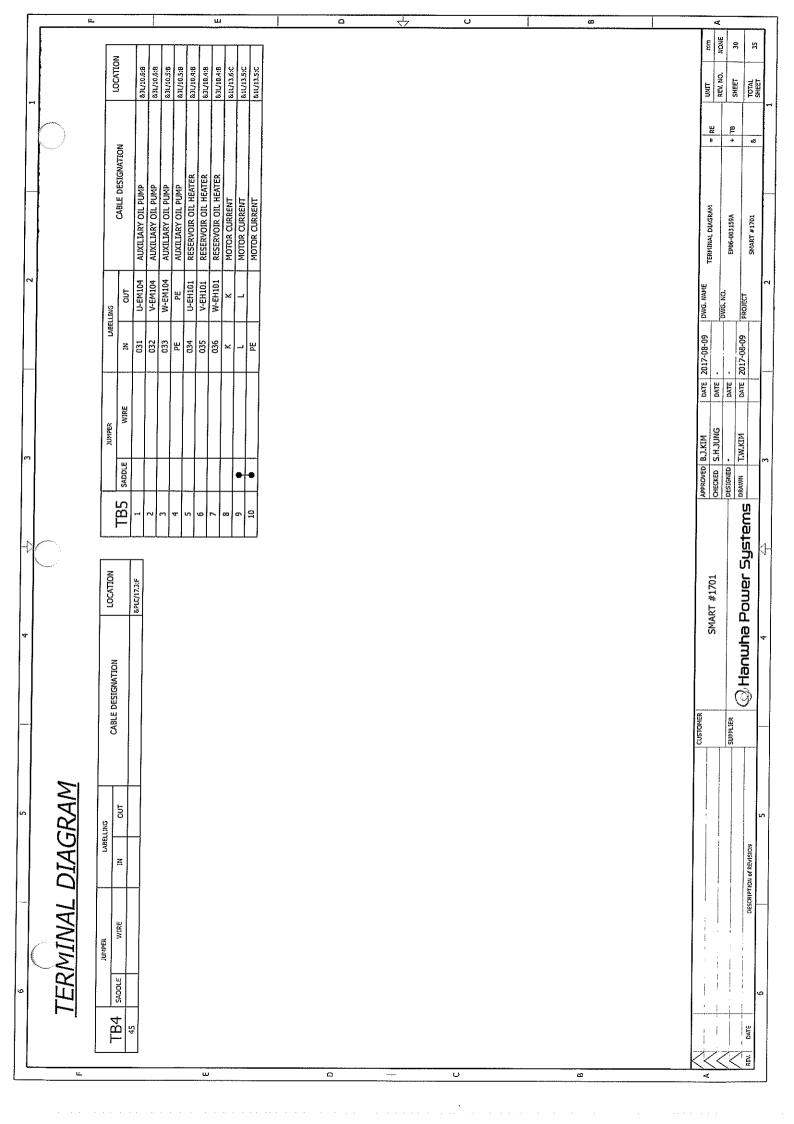






	ERMINAL DIAGRAM
CABLE DESIGNATION	
н ромер	D24 TOLICH DOWED
/ POWER	
OURCE -1	P24 D/I SOURCE -1
OURCE -2	
L INST, SOURCE	P24 LOCAL INST, SOURCE
0/1	Ť
MO.	
	SPARE
H POWER	\vdash
MO.	
T/D	N24 AMP, T/D
L INST. SOURCE	LOCAL INST. SOURCE
E	SPARE
E	SPARE
GENCY STOP	EMERGENCY STOP
	SIARI
	KESE
10000	NOIS -
SWIICH	SELECT SWITCH

Γ	ii.								ı	ı,								6	>			•	7				U									60								T E	NONE A	£	35
		LOCATION		&1L/15.1:E	&11/15.1:E	&11/11.2:B	&1L/11.2:B	811/11.4:F	81L/11.1:B	&11/11.1:B	811/14.6:C	8.11.714.4·C	811/14.3.C	&1L/12.6;C	&1L/12.5.C	&1L/12,5:C	&11/12.5:C	&1L/12.4:C	&1L/12.4:C	M11/13.53C	&11/13,2:C	&14/13.11C	&11/13.1:C	&11/13.5:C	&11/13,4;C	81U/13.4.C	811/13.4tC	&11/13.1:C	\$11/13.1.C	&11/15.6:E	&1L/15,5;E	&1U/15.5:E	&1L/15.5:E	&1L/15.4:E	&1L/15.3:E	&PLC/17,4:F	RPLC/17.4:F	&PLC/17.4:F	&PLC/17.3:F	&PLC/17.3;F	8PLC/17,3;F	&PLC/17,3:F	&PLC/17.3:F	\vdash	ō	_	-
		3		811	811	811	811	811	811	818	T S	2.11	8.11	8.11.	811	B.1L,	E.IL	R1L	R1L	N 11,	8.11,	811,	8.11,	8.11,	811,	814	RIL	831.0	8,11,	811	8.11,	8.11,	811	811,	S.IL.	P.P.C	RPU	RPL	RPL	SPL	BPL	&PLC	&PL(UNIT	Ί	J	TOTAL
			CAGUE VESTIGIVALIUM	AKER TEST	FOR MAKEK 1EST	200	20		200	70		0.5	20	TACLE		TACLE		ENCLOSURE LIGHT	ENCLOSURE LIGHT	INLET GUIDE VANE	IRAP	rrap	rrap	MOTOR SPACE HEATER	INLET GUIDE VANE	INLET GUIDE VANE	RAP	TRAP	RAP	STARTER PANEL INTERFACE	STARTER PANEL INTERFACE	STARTER PANEL INTERFACE	STARTER PANEL INTERFACE	STAKEEK PANEL INTERFACE	בא ראויבנ זויו באראנים									TERMINA! DIAGRAM		EP06-003159A + TB	SMART #1701
				FOR MAKER	TUK P	2003		3	200	2000	LOAD SO	LOAD SO	LOAD SQ	RECEPTACLE	FAN	RECEPTACLE	FAN	ENCLO	ENCLO	I I	AUTO TRAP	AUTO TRAP	AUTO TRAP	MOTOR	INE	IN EL	AUTO TRAP	AUTO TRAP	AUTO TRAP	STARTI	STARTI	STARTI	START	SIARE	מאאוני									TERMINA	Diffe Na	EP06-	SMAR
		LABELLING	тло			cot	701	007	-					103	104	200	200	N-EL100	L-EL100	IGV211N	N-AT310	N-AT320	N-AT330	포	JGV211A	PF PF	L-AT310	L-AT320	L-AT330	START	COMI	COM2	202	102	101									DWG. NAME	DWG. NO.		PROJECT
		LABE	N	INVO	7 114 7	103	2007	200				,		103	104	-	-	10.	133		200			141	142A	PE	115			183	COM1	COM2	184	101	101						- Annual			2017-08-09		00 00 00	50-90-7102
			ш																																									DATE 20	DATE -		200
		JUMPER	WIRE					•	-							•		•	•				***************************************																					J.KIM	S.H.JUNG	TWIN	WINI
			SADDLE	- -	•	•	•	•	•	•	•	•	•	-		•	•	• -	•	•	•	•	•	-		-	•	•	•				-													DESIGNED -	
		F	- 	1 2		4	. 2	ی د		œ	6	10	11	12	13	7	2 2	2 2	128	19	8	21	22	7) 2	25	92	27	28	53	8	127	3 2	2 2	i k	36	37	38	33	₽ :	4	45	5 5	r			1	Systems
		LOCATION	801 <i>CD</i> 8 G.D	&PLC/25.6:D	&PLC/25,5:D	&PLC/25.5:D	&PLC/25.5:D	&PLC/25.4:D	&PLC/25.4:D	&PLC/25,4:D	&PLC/25,3:D	&PLC/25.3:D	&PLC/25,2:D	&PLC/25,2:0	&PLC/25.5:D	&PLC/25.4:0	&PLC/25.3:U	&PLC/26.6:D	&PLC/26.6:D	&PLC/26.5:D	&PLC/26,5;D	&PLC/26.5:D	&PLC/26.4:D	8.01.017.23	&PLC/17.2:F	&PLC/17.2:F	&PLC/17.2;F	&PLC/17.2:F	&PLC/17.2;F	&PLC/17.2:F	SPLC/17,2;F	SPLL/1/.2:r												MADE AT TO	SMAKI #1/01		ū
		CABLE DESIGNATION	OIL SUPPLY TEMPERATURE	OIL SUPPLY TEMPERATURE	OIL SUPPLY TEMPERATURE	FINAL STAGE INLET TEMPERATURE	FINAL STAGE INLET TEMPERATURE	FINAL STAGE INLET TEMPERATURE	OIL RESERVOIR TEMPERATURE	OIL RESERVOIR TEMPERATURE	OIL RESERVOIR TEMPERATURE	MOTOR WINDING R TEMPERATURE	MOTOR WINDING R TEMPERATURE	MOTOR WINDING R TEMPERATURE	OIL SUPPLY TEMPERATURE	OII RESERVOIR TEMPERATION	MOTOR WINDING R TEMPERATION	MOTOR BEARING DE TEMPERATURE	MOTOR BEARING DE TEMPERATURE	MOTOR BEARING DE TEMPERATURE	MOTOR BEARING NDE TEMPERATURE	MOTOR BEARING NOE TEMPERATURE	MOTOR BEAKING NUE TEMPERATURE	THE REAL PROPERTY AND ADDRESS OF THE PERTY	THE STATE OF THE S		**************************************	THE PROPERTY OF THE PROPERTY O	- market a	The state of the s		THE PROPERTY OF THE PROPERTY O												CUSTOMER		SUPPLIER	mod eumueu 🦭
	SAM		TE130A	TE1308	TE1308	TE241A	TE241B	TE241B	TE101A	TE101B	TE101B	TD1A	T018	TDIB	비	2 12		BD1A	BD 1B	BD1B	BDZA	8028	9770																								
	IAGI	LABELLING	TE130A	+	TE130B	TE241A	TE241B	TE241B		_		TD1A	1018	TD18	2	-		BD1A	BD1B	BD1B	BD2A	BDZB	9000	İ			-material Control		7007																Total Wallet		of REVISION
	FRMINAL DIAGRAM	JUAPER	WAKE		***************************************								- Walter						TOWNS TO THE TOWN	WHITE.	***************************************			- WHITE			Committee of the Commit																		1/4	THAT I THE TOTAL THE TAX I	DESCRIPTION of REVISION
	7	TR3		2	3	4		- 9	7	8	6	01 :	11 5	71 21	+	51	ŀ	17	18	+		22	23	24	25	26	27	87 88	وع الد	3 12	32												-		-		DATE
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DATE
SALVIASE
APPROVED B.J.KLM DATE 2017-02-09 DIRE. HORE.
SAMET #1701 APPROVED BJ.KIM APPROVED B
SMART #1771 APPROVED B.J.KIM DATE 2017-09-09 INVG. MHE
CMART #1701 APPROVED B.J.KIM DATE 2017-08-09 DWG. MANE
SMART #1701 APPROVED B.J.KIM DATE 2017-08-09 DWG. MANE
SMART #1701 APPROVED B.J.KIM DATE 2017-08-09 DWG. MANE
SMART #1701 APPROVED B.J.KIM DATE 2017-08-09 DWG, MME
SMART #1701 APPROVED B.J.KIM DATE 2017-08-09 DWG. NAME
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SMART #1701 APPROVED B.J.KIM DATE 2017-08-09 DWG. NAME
SMART #1701 DATE 2017-08-09 DWG. NAME
CHECKED S.H.JUNG DATE . DWG. NO.
Whanwha Power Systems with AME AND PROJECT SHART #1701

L	LOOP DIAGRAM				_						
	LABELLING L1 L2 L2 L3 FE FE	CABLE DESIGNATION WER	SPECIFICATION POWER CABLE	SCOPE	TB. NO. LAB TB2-26 TB2-18 P TR2-10 TR2-27	LABELLING	CABLE DESIGNATION FINAL STAGE OUTLET PRESSURE OIL SUPPLY PRESSURE	SPECIFICATION		SCOPE SUPPLIER SUPPLIER	
ш	+	RFACE	SIGNAL CABLE	CUSTOMER			VIBRATION STAGE 1X VIBRATION STAGE 2X VIBRATION STAGE 3X OIL SUPPLY TEMPERATURE	EXTENSION CABLE EXTENSION CABLE EXTENSION CABLE CVV-5B 3C x 0.755Q		SUPPLIER SUPPLIER SUPPLIER SUPPLIER	
——————————————————————————————————————		ER	F-CV 4Cx2.55Q F-CV 3Cx2.55Q	SUPPLIER SUPPLIER			FINAL STAGE INLET TEMPERATURE OIL RESERVOIR TEMPERATURE	CW-5B 3C × 0.755Q		SUPPLIER	
2	K K K L EEL100 N-EL100		VCTF 2Cx4.05Q VCTF 2Cx0.755Q	SUPPLIER SUPPLIER	TB3-8 TB3-9 TB3-15 TB3-10 TB3-11	TE1018 TE1018 FE TD1A MOTO	MOTOR WINDING R TEMPERATURE	CVV-SB 15C × 0.755Q		SUPPLIER	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H1 H2 IGV211A IGV211B IGV211N PE	ж.	VCTF 2Cx1.5SQ CVV-SB 3Cx1.5SQ	SUPPLIER		1018 FE BD1A BD1B BD1B BD2A BD2A BD2A					
	L-AT310 N-AT310 L-AT320 N-AT320		VCTF 2Cx0.755Q VCTF 2Cx0.755Q	SUPPLIER SUPPLIER		102B					
	****		VCTF 2Cx0.755Q CW-5B 3C x 0.755Q	SUPPLIER SUPPLIER							
	TB2-15 LSIL101 TB2-3 ASV252N MODULATING BLOW OFF VALVE TB2-4 TB2-6 FE TB2-16 PT260 TB2-16 SYSTEN PRESSURE TR2-8		CVV-SB 2C x 0.75SQ CVV-SB 2C x 0.75SQ	SUPPLIER							
	TB2-25 FE FINAL STAGE OUTLET PRESSURE TB2-9 P24		CW-58 2C x 6.755Q	SUPPLIER							
A		CUSTOMER	- Hanum		APPROVED B.J.KIM CHECKED S.H.JIJING CHECKED S.H.JIJING CHECKED CHECKED	(0	DATE 2017-08-09 DWG. NAME DATE - DWG. NO. DATE - PROJECT DATE Z017-08-09 PROJECT	LOOP DIAGRAM EP06-003159A	RE + COCAL		NON NONE
	DESCRIPTION OF REVISION				1			SMART #1701	a	TOTAL	ĸ

CONTROL PART LIST	<u>ISI</u>							
NAME	PART NO.	SPECIFICATION	MAN	MANUFACTURE	λ <u>τ'</u> ,0	REMARKS	DWG. 1 OCATTON	N
AC CURRENT TRANSDUCER	EP00101500-001	INPUT: 0~54, OUTPUT: DC 4~20mA AIX POWER: DC 24V AVERAGE SENSING	DAEJOO	Transport of the second of the	-		LCP / 13	
CAPACITOR (FOR IGY ACTUATOR)	5945S1000043	20uf +/- 6% , 370VAC 50/60Hz	NUEVA(CSC)		+-3		6 / dD1	
СІВСИТ РКОТЕСТОЯ	EP07-001033	1P,DINRAIL TYPE, 3A, FINGER SAFETY COVER ,AC/DC	HONEYWELL	4	2		. ~	
CIRCUIT PROTECTOR	EP07-101033	1P,DINRAIL TYPE, 2A, FINGER SAFETY COVER , AC/DC	HONEYWELL				. ~	
COOLING FAN	EP03403400-002	SLEEVE BEARING, RPM:2600/3000, AC110V	SUNTRONIX		1		. ~	
COOLING FAN COVER	EP03503400-004	WITH FILTER, STANDARD TYPE	KFM		1		. ~	
EMERGENCY COVER	EP07-011027	22ø emergency button cover	OMRON		-		. ~	
EMERGENCY PUSH BUTTON	EP07-000509	22Ø, MUSHROOM TYPE Ø40, PUSH LOCK TURN RESET, 1A2B RED	OMRON		1		LCP / 7	
	EP04101800-001	2A	HAN YOUNG		2		. ~	
Palasan	EP10-002271	3A	HAN YOUNG		m		. ~	
	EP10-002270	8A	HAN YOUNG		1		- ~	
MAGNETIC CONTACTOR	EP07-000399	MC-9 SUSOL ACL10V 9A 32AF,50/60Hz	LSIS		2		. ~	
MMS (MANUAL MOTOR STARTER)	EP07-000791	3P 32AF 50kA (Range 4~6A)	LSIS		-		. ~	
MMS (MANUAL MOTOR STARTER)	EP07-000389	3P 32AF 50kA (Range 6~10A)	LSIS				. ~	
MMS ALARM CONTACT	EP20-000120	lalb	SIS		2		1CP / 9	
MMS DIRECT ADAPTER	EP10-000951	DA-32HA (ADAPTER)	LSIS		2		1CP / 9	
MMS MOUNTING UNIT	EP10-000953	MMS-32* BASE	LSIS		2		~	
MOLD CASE CIRCUIT BREAKER	EP07-002108	3P 50AF/30AT/, ABS53C	LSIS		1		~	
MOLD CASE CIRCUIT BREAKER	EP07-000400	2P 30AF/10AT/, ABS32C	SISI		1		. ~	
NOISE FILTER	EP03103400-001	250V MAX, RATED CURRENT: 6A, MAX LEAK CURRENT: 0.5mA OPERATING TEMPERATURE:-25~85°C	ORIENT ELEC	Ų			. ~	
POWER SUPPLY	594551000020-03	CONNECTION SYSTEM:SCREW CONNECTION AC TO DC	WEIDMULLER	×	1		. ~	T
PUSH BUTTON	EP00501800-001	Ø22, Flat Type, Green, ARF-F112G	HAN YOUNG		1		. ~	
The state of the s		CUSTOMER SMART #1701 CHIE	APPROVED B.J.KIM	DATE 2017-08-09 E	DWG. NAME	LCP PART LIST	= RE	UNIT
Andread Andrea			IGNED -	-	DWG. NO.	EP06-003159A	+ ICD PL	SHEET
TO STATE OF THE ST			DRAWH T.W.KIM	DATE 2017-08-09	The Career			

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The state of the s																				MONE	34
	DWG. LOCATION	LCP / 7	. ~	1CP / 9	~	LCP / 18	LCP / 14;LCP / 15	LCP / 7	LCP / 18;LCP / 19	6 / 67	6 / 67	FCP / 9	6 / d)1	LCP / 7		6 / 6	~			= RE UNIT REV. NO.	+ LCP PL SHEET
	REMARKS	**************************************																	- Management - Man	LCP PART LIST	EP06-003159A
	γ'n	1	**1		9	٦	m	1	2	2	134	92	ıs	-		m	м			DWG. NAME DWG. NO.	
	MANUFACTURE	HAN YOUNG	HAN YOUNG	ILSHIN ELC.IND.	WEIDMULLER	WETOMULLER	WEIDMULLER	OMRON	СКУБОМ	SHINSHIN	WEIDMULLER	WEIDMULLER	WEIDMULLER	НАККО	SINSUENG	SHINKAWA	SHINKAWA			DATE -	DATE .
	SPECIFICATION	Ø22, Flat Type, Black, ARF-F112B	Ø22, Flat Type, Blue, ARF-F112A	AC250V, 16A MAX	2POLE, COIL:24VDC, RATED: 250V, 10A	4POLE, COIL:24VDC, RATED: 250V, 5A	2POLE, COIL:115 VAC, RATED: 250V, 10A	22&, SELECT SWITCH, 2 MANUAL 191b, BLACK	LDAD VOLTAGE 24-280 VAC, COIL : 20-48 VDC or 20-280 VAC, LOAD CURRENT 50A	SPARK KILLER	TENSION CLAMP(FERRULE TYPE) 2-CONNECTION MAX 4sq(AWG30~12), 2.1.A Z DU2.5	TENSION CLAMP(FERRULE TYPE) 2-CONNECTION MAX 6sq(AWG22~8), 36A" ZDU 6.0	TENSION CLAMP(FERRULE TYPE) 2-CONNECTION MAX 10sq(AWG16~6), 60A 2DU 10	7" 16W, 0°C~50°C, 85%RH Touch 7'(W8)	TYPE: 1PHASE 380/110-220V, 1.5KVA	6.5м	WK SERIES 7.0M SYSTEM		(I strowes)	SMART #1701 CHECKED S.H.JUNG	SUPPLIER DEAWN TWEIN
TSIT	PART NO.	EP07-000966	EP07-000847	EP00902600-002	EP18-001041	EP18-001036	EP18-001037	EP20-000141	EP18-001028	EP01601900-002	EP01700500-001	EP01700500-002	EP21-000087	EP10-001871	EP23-001027A	CST51321-G05	CST51301-G03			The second secon	TO AMERICA.
CONTROL PART LIST	NAME	PUSH BUTTON	ризн виттом	RECEPTACLE	RELAY	RELAY	RELAY	SELECT SWITCH	SOLID STATE RELAY	SPARK KILLER	TERMINAL BLOCK	TERMINAL BLOCK	TERMINAL BLOCK	TOUCH SCREEN	TRANSFORMER	VIBRATION CABLE	VIBRATION TRANSMITTER				
Image: section of the content of the	NO.	23	24	25	76	22	82	29	æ	31	32	æ	34	35	36	37	38				i
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PLC PART LIST 100			۵		ι n	4 + + 3			2		
1 16.6 + 15.0 15		Ľ	PLC	PART LIST							u.
1			NO.	NAME	PART NO.	SPECIFICATION	MANUFACTURE	YTY	REMARKS	DWG. LOCATION	
1 R.C61		L		RTD	EP10-000722	PLC - RTD INPUT 4CH	OMRON	2		~	
4 RC-100 FIGURATION CONTROL OF THE MODERNIA PROFESSION CONTROL OF THE MODERNIA P	***************************************	w		AI	EP10-000720	PLC - ANALOG INPUT 8CH (4~20mA)	OMRON	1		. ~	LL.
2				AO	EP10-000721	PLC - ANALOG OUTPUT 2CH	OMRON	1		~	
5 9.0-0.00 9.0-0.0019				DI	EP10-000718	PLC - DIGITAL INPUT 16CH	OMRON	1		~	
6 8 0.00000000000000000000000000000000000				00	EP10-000719	PLC - DIGITAL OUTPUT 16CH RELAY TYPE	OMRON	1		_	
2 R.C. Out PUR-OUT DURAND ACT OUT ORDER DURAND ACT OUT OUT OUT OUT OUT OUT OUT OUT OUT OU				OMMUNICATION	EP10-000723	PORT1-(RS-422A/485), PORT2-(RS-232C)	OMRON	-		~	
5 Ruccourse Processing				СР	EP10-000726	PLC - CPU (20K Step)	OMRON			~	
S Restricted Cells				OWER	EP10-000716	PLC POWER	OMRON	I		. ~	c
SWART #1701				OUCH CABLE	EP02-002165A	CABLE ASS'Y [OMRON<->W8]	WTH	T	and the second s	_	3
APPRIONER B.J.KIM DATE 2017-08-09 DWG. NAME PLC PART LIST RRV. NO. NONE RRV. NO. NO. NO. NO. NO. NO. NO. NO. NO. NO		U m									, U <u>a</u>
Superier	K				SMART #1701		DWG. NAME	PLC PART LIST		mm	
Care Description of REVISION Care Care Description of REVISION TW.KIM OATE 2017-08-09 PROJECT SHART #1701 Care TOTAL TOTAL SHEET SHART #1701 Care TOTAL TO		<u> </u>		Average of the second of the s	5	CHECKED CHECKED DESIGNED	DATE	DWG. NO.	EP06-003159A	ā	NONE
3 3 3 2 2 Antel		REV	DATE	DESCRIPTION of REVISION		📿 Hanwha Power Systems		PROJECT	SMART #1701		£ 2
			9	9 00 00 00 00 00 00 00 00 00 00 00 00 00		\$		-		-	