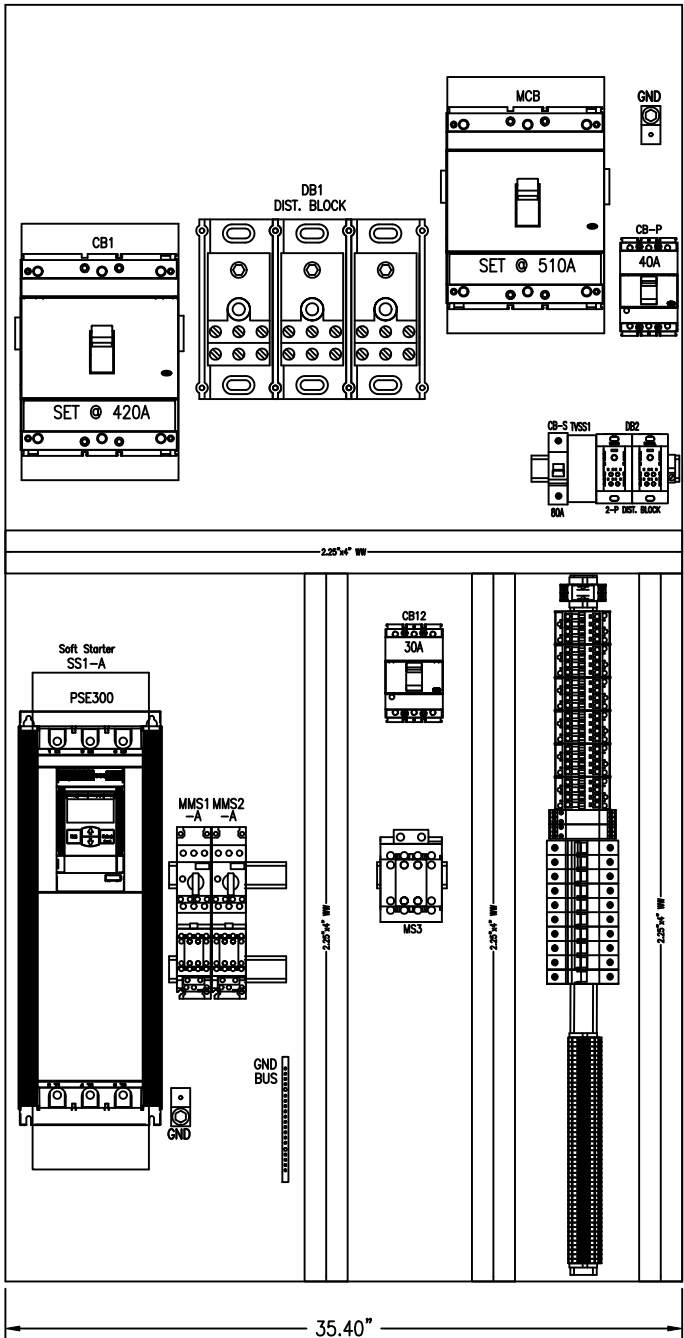
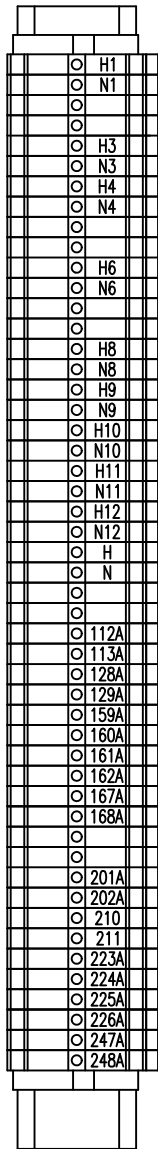
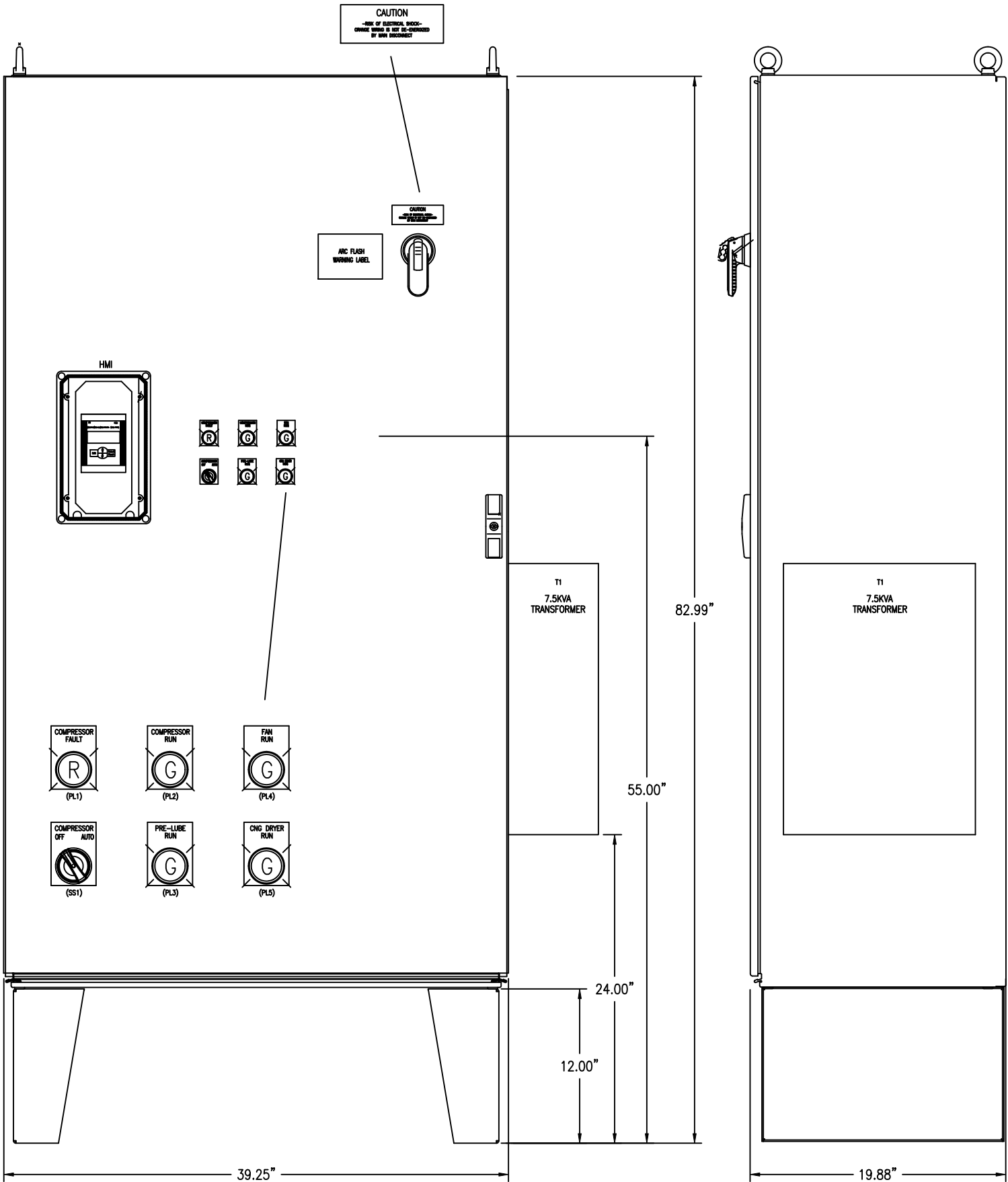
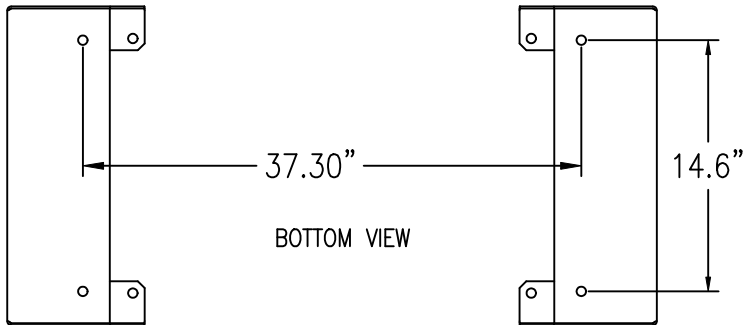


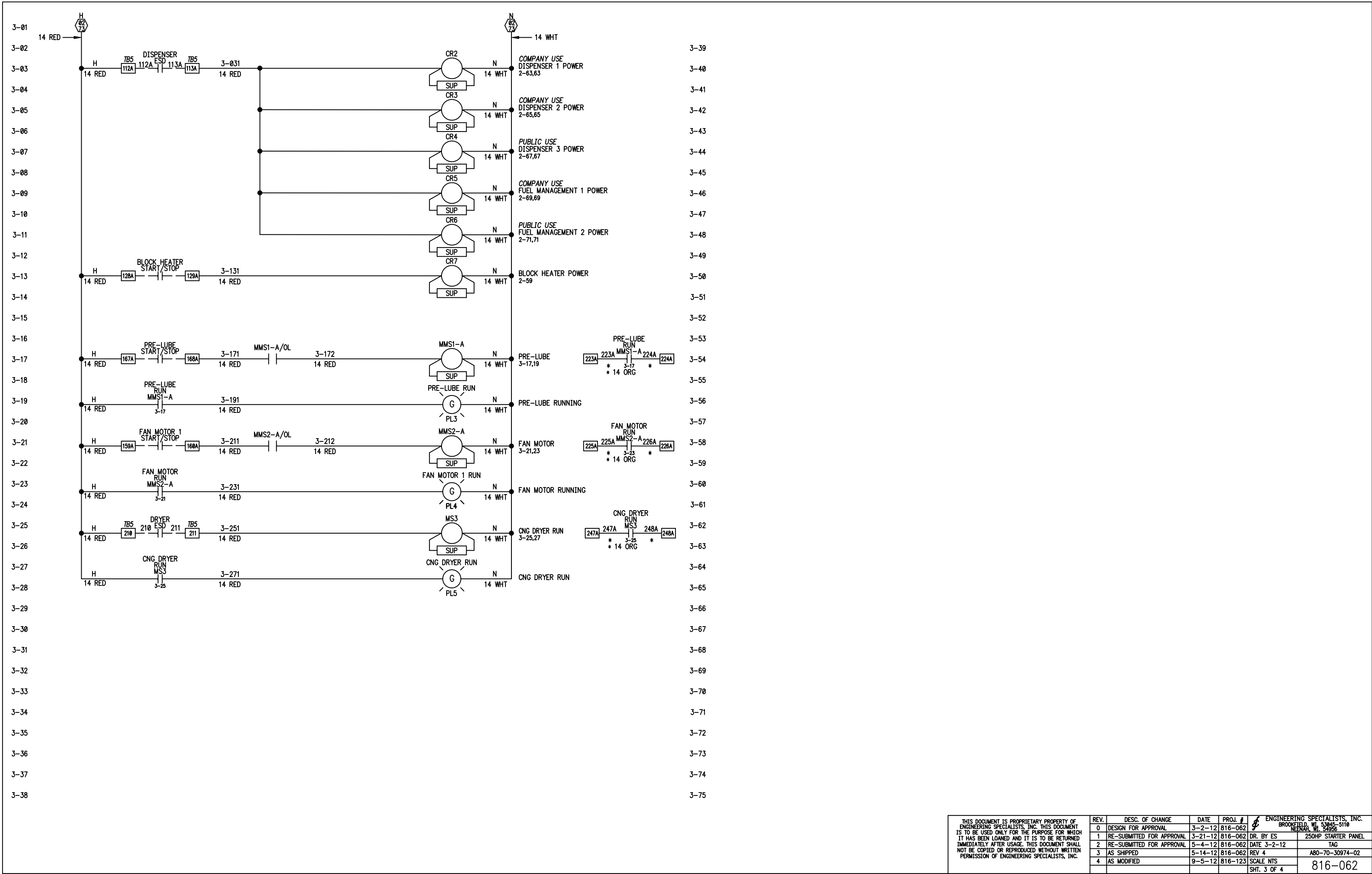
TERMINAL STRIP
DETAILS



- CR1
- CR2
- CR3
- CR4
- CR5
- CR6
- CR7
- TVSS2
- TVSS3
- CB2 15 AMP
- CB3 15 AMP
- CB4 15 AMP
- CB5 15 AMP
- CB6 15 AMP
- CB7 15 AMP
- CB8 15 AMP
- CB9 15 AMP
- CB10 15 AMP
- CB11 5 AMP



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REV.	DESC. OF CHANGE	DATE	PROJ. #	DR. BY	DATE	SCALE	NTS
0	DESIGN FOR APPROVAL	3-2-12	816-062	DR. BY ES	250HP STARTER PANEL		
1	RE-SUBMITTED FOR APPROVAL	3-21-12	816-062	DATE	3-2-12		
2	RE-SUBMITTED FOR APPROVAL	5-4-12	816-062	REV 4	A80-70-30974-02		
3	AS SHIPPED	5-14-12	816-062	SCALE	NTS		
4	AS MODIFIED	9-5-12	816-123	SCALE	NTS		
						SHT. 1 OF 4	816-062



REV.	DESC. OF CHANGE	DATE	PROJ. #	ENGINEERING SPECIALISTS, INC.
0	DESIGN FOR APPROVAL	3-2-12	816-062	BROOKFIELD, VT. 53045-5110
1	RE-SUBMITTED FOR APPROVAL	3-21-12	816-062	NEEDHAM, MA. 02455
2	RE-SUBMITTED FOR APPROVAL	5-4-12	816-062	DATE 3-2-12
3	AS SHIPPED	5-14-12	816-062	REV 4
4	AS MODIFIED	9-5-12	816-123	SCALE NTS
				SHT. 3 OF 4

250HP STARTER PANEL
TAG
A80-70-30974-02
816-062

CUSTOMER TERMINAL STRIP

H1	COMPRESSOR #1
N1	TVSS PROTECTED CONTROL POWER
H3	PRIORITY PANEL
N3	TVSS PROTECTED CONTROL POWER
H4	COMPRESSOR #1
N4	OIL HEATER POWER STARTER
H6	ENCLOSURE LIGHTING
N6	120VAC POWER
H8	COMPANY USE
N8	DISPENSER 1 POWER
H9	COMPANY USE
N9	DISPENSER 2 POWER
H10	PUBLIC USE
N10	DISPENSER 3 POWER
H11	COMPANY USE
N11	FUEL MANAGEMENT POWER
H12	PUBLIC USE
N12	FUEL MANAGEMENT POWER
H	STARTER PANEL
N	CONTROL POWER

SS1-A	
T1	COMPRESSOR
T2	SOFTSTART
T3	OUTPUT

MMS1-A	
T1	PRE-LUBE
T2	MOTOR STARTER
T3	OUTPUT

MMS2-A	
T1	FAN
T2	MOTOR STARTER
T3	OUTPUT

MS3	
7T1	CNG DRYER
7T2	POWER
7T3	OUTPUT

112A	DISPENSER ESD OK
113A	DRY CONTACT INPUT
128A	OIL HEATER RUN
129A	DRY CONTACT INPUT
159A	FAN MTR #1 RUN
160A	DRY CONTACT INPUT
161A	COMPRESSOR MOTOR RUN
162A	DRY CONTACT INPUT
167A	PRE-LUBE MOTOR RUN
168A	DRY CONTACT INPUT

201A	COMPRESSOR MOTOR RUNNING
202A	DRY CONTACT OUTPUT
210	DRYER ESD OK
211	DRY CONTACT INPUT
223A	PRE-LUBE MOTOR RUNNING
224A	DRY CONTACT OUTPUT
225A	COOLING FAN RUNNING SIGNAL
226A	DRY CONTACT
247A	CNG DRYER RUNNING SIGNAL
248A	DRY CONTACT

PIONEER – BIVENS, TX
A80-70-30974-02 250 HP SINGLE LINE 10KAIC RATING

PART NAME	PART NUMBER	MANUFACTURER	DESCRIPTION	QUA.
ENCLOSURE	8085009	RITTAL	RITAL NEMA 3R ENCLOSURE	1
RT SIDE OF ENCLOSURE	816-XFMRPLT	CM	XFMR 3R MOUNTING PLATE	1
MCB DOOR HANDLE	0HB125J10	ABB	PSTL HDL	1
MCB SHAFT	0XP10X500	ABB	PSTL SHAFT 19.7 6X430	1
MCB MECHANISM	KT6VD-M	ABB	VARIABLE DEPTH MECH T6	1
MCB	T6N600TW	ABB	600 AMP MAIN BREAKER SET TO 500A	1
MCB	K6TH	ABB	LUG KIT FOR T6	3
MCB	KT6HTC-3	ABB	TERMINAL COVER FOR T6 BREAKER	1
MCB	KT6KLFD	ABB	LOCKING MECH FOR T6 BREAKER	1
TVSS1	2858547	PHOENIX	PHOENIX, VAL-CP-3C-350	1
CB1	T6N600TW	ABB	600 AMP BREAKER SET TO 450 AMPS	1
CB1	K6TH	ABB	LUG KIT FOR T6	1
CB1	K6TJ	ABB	LUG KIT	1
SS1-A	PSE300-600-70	ABB	250HP SOFTSTARTER	1
SS1-A	ATK300	ABB	LUG KIT FOR SOFTSTARTER	2
SS1-A	LT300-AL	ABB	TERMINAL COVERS FOR SOFT STARTER	1
HMI	PSEEK	ABB	PST ELECTRONIC REMOTE KEYPAD	1
HMI	A31DTCOVERKIT	VYNKIER	UN/ NEMA 3R COVER FOR KEYPAD	1
MMS2-A	CL7-23-10-120-AS25A-A10	SPRECHER & SCHUH	7.5 HP MANUAL MOTOR STARTER FOR FAN MOTOR	1
MMS2-A	CA7-PV-20	SPRECHER & SCHUH	AUX CONTACT	2
MMS1-A	CL7-9-10-120-AS1.6A-A10	SPRECHER & SCHUH	1/2 HP MANUAL MOTOR STARTER FOR LUBE PUMP	1
MMS1-A	CA7-PV-20	SPRECHER & SCHUH	AUX CONTACT	1
CB-P	T1N040TL	ABB	40 AMP CIRCUIT BREAKER FOR 120 VAC INPUT CONTROL XFMR	1
CB-S	S201U-K80	ABB	80 AMP SINGLE PHASE BREAK FOR 120 VAC OUTPUT CONTROL XFMR	1
CB2,3,4,5,6,7,8,9,10	S201U-K15	ABB	15 AMP CIRCUIT BREAKER SINGLE PHASE 120 PLC, LIGHT AND BLOCK HEATER	9
CB11	S201U-K5	ABB	5 AMP CIRCUIT BREAKER FOR CONTROL POWER	1
CR1	RH2B-ULAC120V	IDEC	RELAY	1
CR1	SH2B-05	IDEC	RELAY SOCKET	1
TVSS2, TVSS3	2839334	PHOENIX	PLUG TRAB FILTER	2
TVSS2, TVSS3	2839282	PHOENIX	BASE FOR PLUG TRAB FILTER, PLC POWER	2
T1	HSSF7.5AS	HEVI-DUTY	HEAVY DUTY 7.5KVA NEMA 3R TRANSFORMER	1
PL2,PL3,PL4,PL5	CL-513G	ABB	COMPACT PILOT GREEN 120 VAC	4
PL1	CL-513R	ABB	COMPACT PILOT RED 120 VAC	1
SS1	C2SS110B-10	ABB	TWO POSITION SHORT HANDLE, NON ILLUMINATED (1 NO) AUTO MANUAL	1
DB1	1353705	MARATHON	950 AMP POWER DIST BLOCK	1
DB1	CH1351	MARATHON	DISTRIBUTION BLOCK COVER	1
TERMINALS	3044102	PHOENIX	UT4 TERMINAL BLOCK	150
TERMINALS	3047028	PHOENIX	END STOP	8
TERMINALS	3022276	PHOENIX	END CLAMP	10
TERMINALS	3044128	PHOENIX	GROUND TERMINAL	1
TERMINALS	0801733	PHOENIX	DIN 3 PRE-PUNCHED RAIL	2
TERMINALS	1051003	PHOENIX	ZB6 TERMINAL LABEL	20
SUP	12859-009	INNOVATIVE AUTOMATION	SURGE SUPPRESSOR	10
DB2	FSPDB2A	MERCEN	DISTRIBUTION BLOCK FOR TRANSFORMER CONNECTIONS	1
WIREWAY	QD225X400SG	ABB	2 X 4 WIRE WAY (16')	4
CB12	T1N030TL	ABB	CIRCUIT BREAKER 3PH, 30A	1
MS3	CA7-72-10-120	ABB	CONTACTOR 3PH, 72A	1

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