

ELECTRICAL DATA

MOTOR	HP/KW	RLA	LRA
BLOWER	10HP	11.6A	81A
COMP 1&2	20HP	31A	225A
C/FAN 1&2	2HP	4.0A	25A
HEATER 1&2	48kW	60A	-

UNIT DATA

FLA	141.6A
MCA	164A
MFS	200A

SET POINTS

1HP	560#/MANUAL RESET
2HP	350#/CUT IN/295# CUT-OUT
1LP	65#/MANUAL RESET
1TR, 2TR, 3TR	60 SEC
1CB-OL, 3CB-OL	3BA
5OL	12A
7OL, 8OL	70A
IR33 SETTINGS	
IR33-1 (CLG)	70F (BY RA PROBE) 55F (BY SA PROBE)
IR33-2 (HTG)	78F (BY RA PROBE) 95F (BY SA PROBE)

LEGEND

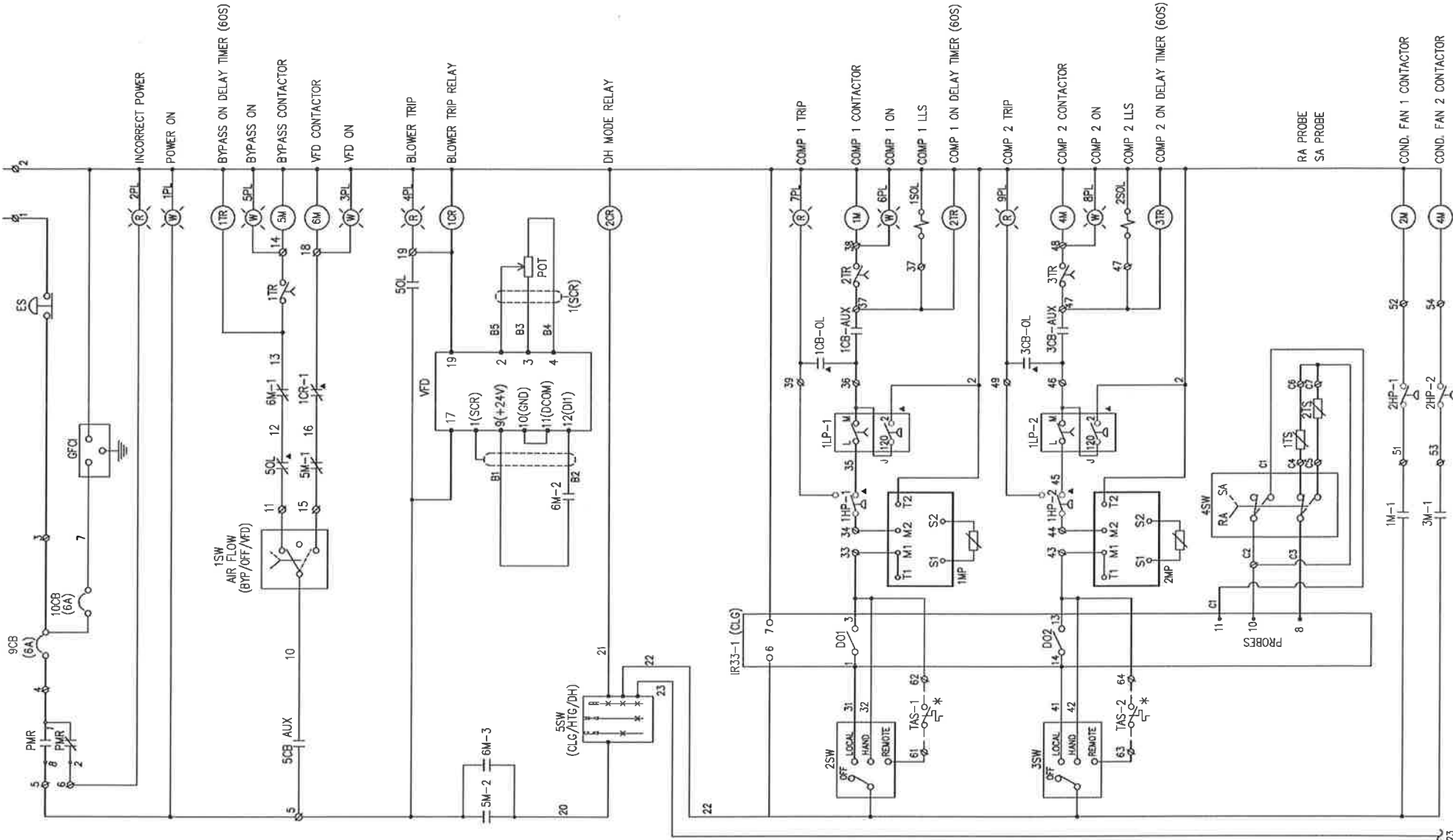
- AFS - AIR FLOW SWITCH
- CB - CIRCUIT BREAKER
- CO - CONVENIENT OUTLET
- CR - CONTROL RELAY
- ES - EMERGENCY SWITCH
- FLA - FULL LOAD AMPS
- FU - FUSE
- GFCI - GROUND FAULT CIRCUIT INTERRUPTOR
- HP - HORSE POWER
- HP - HIGH PRESSURE SWITCH
- HTL - HIGH TEMPERATURE LIMIT
- ITS - INTERNAL THERMAL SENSOR
- J - JUMPER
- KW - KILOWATT
- L.L.S - LIQUID LINE SOLENOID
- LRA - LOCKED ROTOR AMPS
- LP - LOW PRESSURE SWITCH
- M - CONTACTOR
- MP - MOTOR PROTECTOR
- MCA - MINIMUM CIRCUIT AMPS
- MCCB - MOULDED CASE CIRCUIT BREAKER
- MFS - MAXIMUM FUSE SIZE
- OL - OVERLOAD PROTECTOR
- PL - PILOT LIGHT
- PMR - PHASE MONITOR RELAY
- POT - POTENTIOMETER
- RLA - RATED LOAD AMPS
- STG - STAGE
- SW - SWITCH
- TB - TERMINAL BLOCK
- TR - TIMER RELAY
- T - TRANSFORMER
- TS - TEMP. SENSOR
- R - RED
- G - GREEN
- A - AMBER
- VFD - VARIABLE FREQ. DRIVE
- * - FIELD SUPPLY
- ▲ - MANUAL RESET
- - FACTORY WIRING
- - - - - FIELD WIRING
- △ - SEE NOTE 'n'
- - CAM-LOCK

CABLE SIZE

- CONTROL - 14AWG
- (A) - 6AWG, BLACK
- (B) - 10AWG, BLACK
- (C) - 12AWG, BLACK
- (D) - 3x10AWG, BLACK
- (E) - 4AWG, BLACK

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						DRAWN BY: JUN DATE: 05.12.2016		MODEL: SACP 40TA-HS		TITLE: SCHEMATIC WIRING DIAGRAM	
						CHECKED BY: [Signature] DATE:		UNIT NO.: -		DRAWING NO.: S210840183 F.O NO.: SBG 500197	
						APPROVED BY: [Signature] DATE: 5/17/2016		SHEET 1 OF 4		SMI/MFG/ENG/FM/02(REV1)	
REV.	DESCRIPTION	DATE	REV. BY	CHK'D. BY	APP'D BY						

115VAC
CONTROL VOLTAGE



REV.	DESCRIPTION	DATE	REV. BY	CHK'D. BY	APP'D BY

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PROJECT: 19100 40TONS RENTAL AC WITH HEAT

MODEL: SACP 40TA-HS

UNIT NO: -

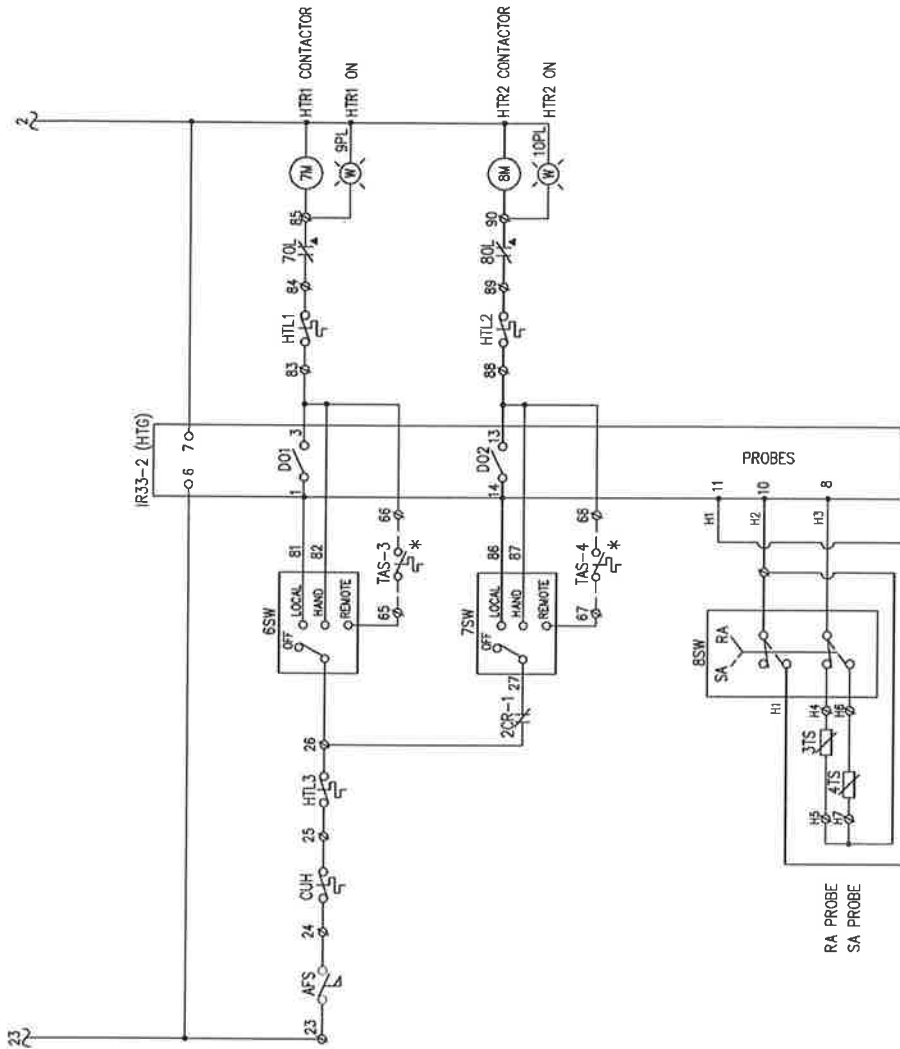



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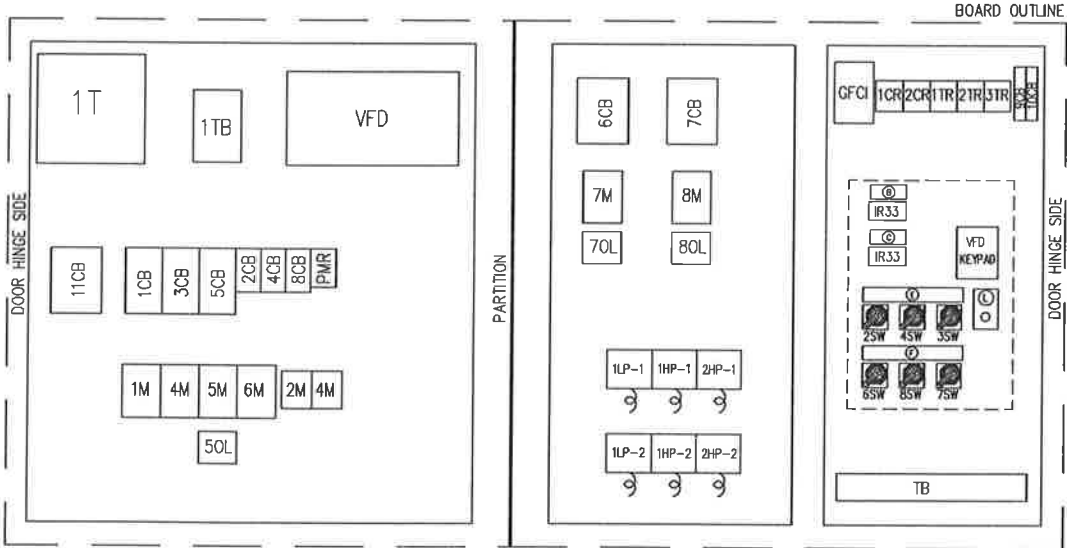
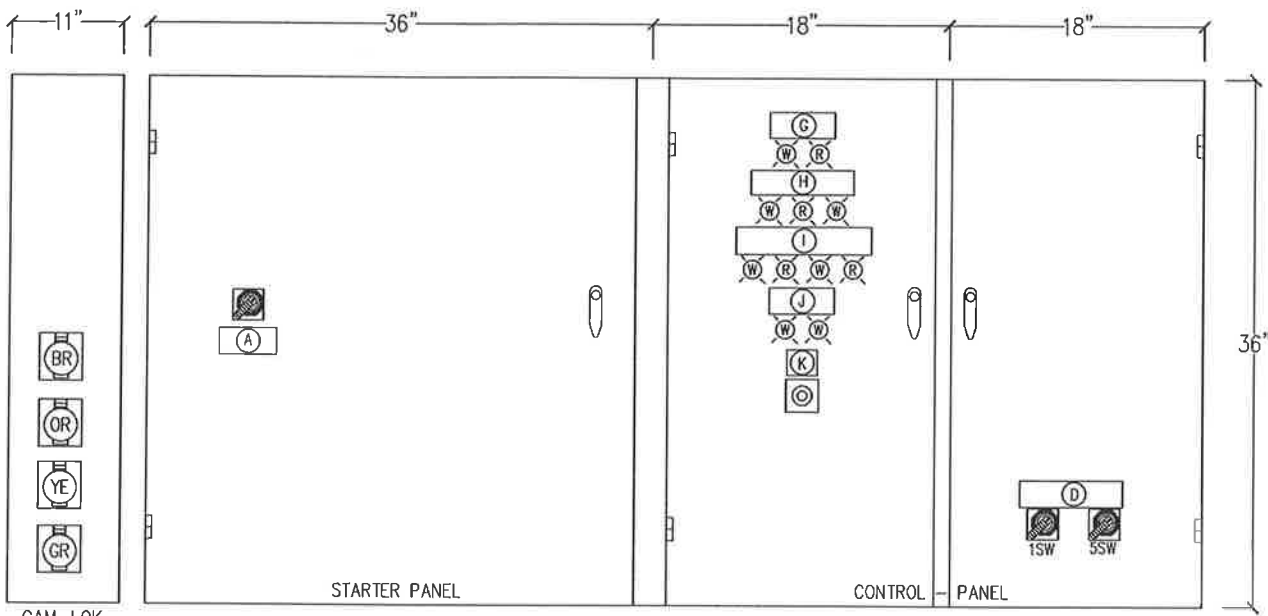
TITLE: SCHEMATIC WIRING DIAGRAM

DRAWING NO: S210840183 F.O NO: SEC 500197

SHEET 2 OF 4

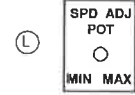



REV.	DESCRIPTION	DATE	REV. BY	CHK'D. BY	APP'D BY	APPROVED BY:	DATE:	THIS DOCUMENT IS THE PROPERTY OF SMARTECH AND SHOULD NOT BE DISCLOSED OR USED WITHOUT THE EXPRESSED CONSENT OF COMPANY	PROJECT: 19100 40TONS RENTAL AC WITH HEAT	 SMART FAMILY OF COOLING PRODUCTS <small>www.SmartCoolingProducts.com 281-540-2805</small>
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										DRAWING NO: S210840183
										F.O NO: SEC 500197
										SHEET 3 OF 4



TAGS: -

- (A) MAIN CIRCUIT BREAKER
- (B) IR33-1 CLG
- (C) IR33-2 HTG
- (D) AIR FLOW MODE VFD OFF BYP CLG HTG DH
- (E) COMPRESSOR1 CLG PROBE SELECTION COMPRESSOR2
- (F) HEATER 1 HTG PROBE SELECTION HEATER 2
- (G) CONTROL POWER ON INCORRECT POWER
- (H) VFD RUNNING BLOWER TRIP BYPASS RUNNING
- (I) COMPRESSOR1 COMPRESSOR1 COMPRESSOR2 COMPRESSOR2 RUNNING TRIP RUNNING TRIP
- (J) HEATER1 ON HEATER2 ON
- (K) EMERGENCY STOP



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										SHEET 4 OF 4	