ELECTRICAL DATA			
MOTOR	Hp/kW	RLA	LRA
BLOWER	30Hp	34A	218A

UNIT DATA	
FLA	34A
MCA	43A
MFS	63A

CABLE SIZE

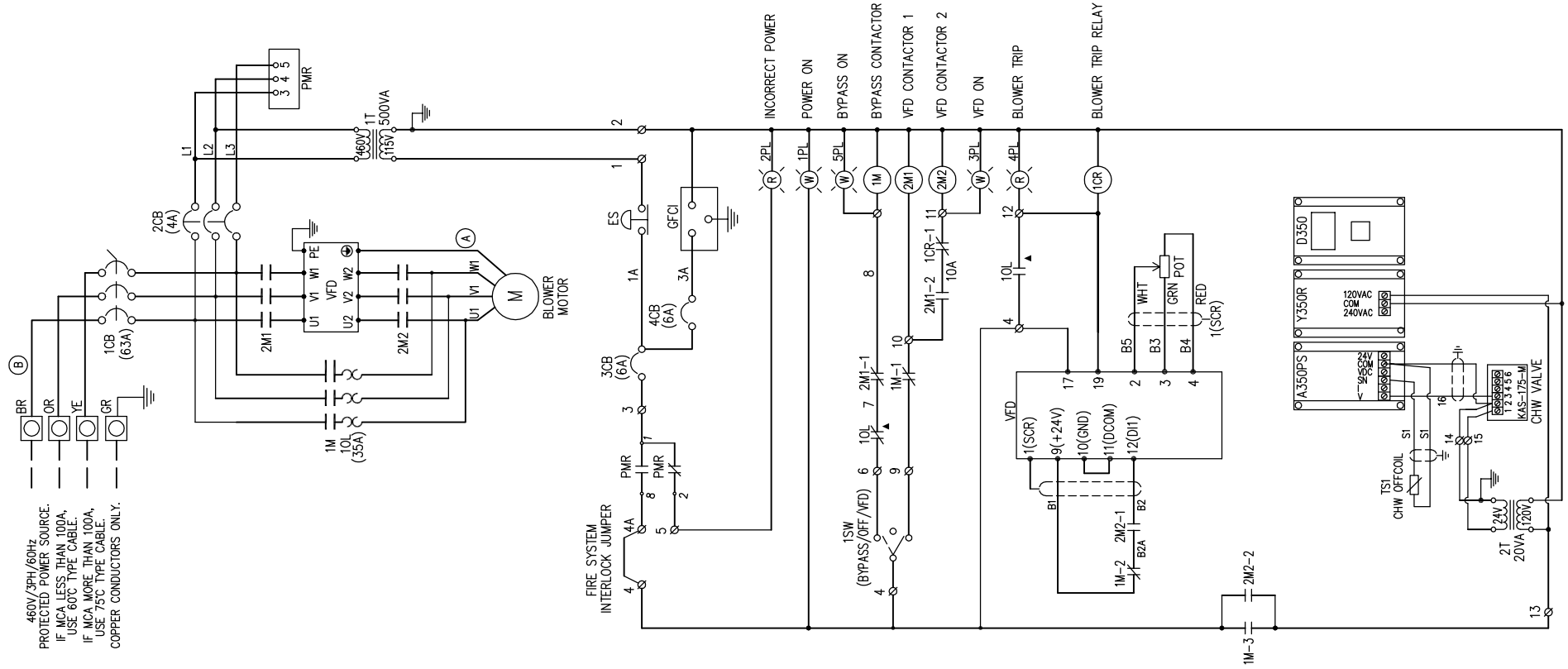
CONTROL – 14AWG

Ⓐ – 6 AWG, BLACK

Ⓑ – 2 AWG, BLACK

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 INTERUPTOR
Hp	–	HORSE POWER
HP	–	HIGH PRESSURE SWITCH
HTL	–	HIGH TEMPERATURE LIMIT
ITS	–	INTERNAL TERMAL SENSOR
J	–	JUMPER
KW	–	KILOWATT
LLS	–	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
I	–	MANUAL RESET
— —	–	FACTORY WIRING
— —	–	FIELD WIRING
△	–	SEE NOTE 'n'
▢	–	CAM–LOCK
⊘	–	TERMINAL



REV.	DESCRIPTION	DATE	REV. BY	CHK'D. BY	APP'D BY
2	AS–BUILT	03.12.2015	JUN	LAI	LOW KC
1	ADDED 3CB, 4CB, GFCI & FIRE SYS INTERLOCK; REVISED 1T TO 500VA	19.10.2015	LAI	LAI	

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DRAWN BY: LAI	DATE: 07.09.2015	
CHECKED BY: LAI	DATE: 07.09.2015	
APPROVED BY: LOW KC	DATE: 21.10.2015	

PROJECT: 120 TON RENTAL AHU

MODEL: SMTAH1D 120Q

UNIT NO: –

SMART FAMILY OF COOLING PRODUCTS
www.SmartCooling Products.com 281-540-2805

TITLE: SCHEMATIC WIRING DIAGRAM

DRAWING NO: S210510146

F.O NO:

SHEET 1