REVISIONS					
LTR	DESCRIPTION	ECR	DATE	BY	APPVD

HUBBELL 3765C
3P 4W 50A 600 VAC

NOTE 1

L1 R øX
L2 W øY
L3 BK øZ
Earth GN

TB1
L1 3
L2 2
L3 1
EGND
GN

BK
R
208 VAC

H1 H4
T1
PT50MQMJ
X1 X2

115 VAC
BK

TB3
N 6 7 W

PI TO HE TANK
PRESSURE
TRANSMITTER
PT02-I6-26P
E + WT
F - BK
b SHIELD

CB1
1 AMP
MAGNETIC TRIP 3.2-4.8
BK

Phase
Mon
8
1

R O BK
5 4 3
Phase
Monitor

MC1 TB2
L1 T1 3 R øV
L2 T2 2 W øW
L3 T3 1 BK øU
GM
Compressor
HITACHI
REFRIGERATING
COMPRESSOR
MODEL 500RHH
3ø 2P

MC2 TB2
L1 T1 6 R øV
L2 T2 5 W øW
L3 T3 4 BK øU
JT
Compressor
HITACHI
REFRIGERATING
COMPRESSOR
MODEL 500RHH
3ø 2P

MC3 TB2
O L1 T1 8 W
R L2 T2 7 BK
Fan
Motor
DAYTON
FAN MOTOR
MODEL 3K615
208V 3.2A
GN

OPERATOR
PANEL

DS1
Power
Applied
Lamp
GN
N

Auxiliary
Relay
1 4
BK BK BK BU BU
TB3 1

DS2
Stop
Lamp
R
N

S1
Auto
Restart
OFF
ON
Y 3 4 BN
TB3 4 BN Timer 2 1 3 O

S2
Run
TB3 3 Y Y 3 4 O O
TB3 5 O

SETTING 2.5s 2
K1
Timer 1
GY 12
8 GY
5
6
K2
Timer 2
One Shot Time
Delay Relay
10
N

SETTING .5s 14
K1
Timer 1
On Delay Time
Delay Relay
13
N

BK
9
Timer
1
5
Y

Y
Y

MC1 13 14 V
MC2 13 14
TB3 2 V
Pressure
Switch
LOW #1 HIGH #2
V
Thermal
Trips
S4 S5
V 1 2 O
S3
Stop
O O
DS3
Run
Lamp
GN ETM
N N

UNITED ELECTRIC CONTROLS
TYPE H402, MODEL 376
SETTINGS: 125 psi LOW, 350 psi HIGH

KLIXON 7BT2L6B-19
OPEN @ 210F/ 30F DIFF.

OL1
SETTING 17
MC1
95
96
A2
A1
N

OL2
SETTING 12
MC2
95
96
A2
A1
N

K3
Auxiliary
Relay
2
7
N

OL3
SETTING 3
MC3
95
96
A2
A1
N

NOTES

1. 12M AC PLUGS ARE 3-WIRE PLUS GROUND (NO NEUTRAL WIRE). P/N IS HUBBELL 3765C (50A 3 PHASE 600 VAC).

SMT AC PLUGS AND DOWNTOWN AC PLUGS ARE 4-WIRE PLUS GROUND. P/N IS HUBBEL 560P9W (60A 3 PHASE 208 VAC).

UNLESS OTHERWISE NOTED
Resistors are in ohms 1/4W ± 5%
Capacitors are in microFarads uF ±20%
Inductors are in microHenrys uH
DIG GND AGND MGND EGND

DESIGNED BY	DATE
DRAWN BY K. CARLE	DATE 11-2-04
CHECKED BY	DATE
APPROVED BY	DATE

ARIZONA RADIO OBSERVATORY

Steward Observatory
The University of Arizona
Tucson, Arizona 85721

NAME: 12M 4K JT COMPRESSOR ELECTRICS

NEXT ASSEMBLY | SIZE B | DRAWING NO. | REV

USED ON | REF | DO NOT SCALE DRAWING | RELEASED | SHEET OF