MATERIALS LIST		
QTY.	**RSI PART#**	**DESCRIPTION**
1	300000069	¼" Male Slip-on Adapter
165"	300000091	Wire 18 Ga. Red
76"	300000094	Wire 18 Ga. Violet
22"	300000095	Wire 18 Ga. White
76"	300000097	Wire 18 Ga. Pink
48"	300000099	Wire 18 Ga. Tan
2	300000262	Male ¼" Quick Disc. (Insul)
2	300000263	Pigtail Connector
3	300000273	Wire Tie - Push Mount
2	300000291	AMP 2 Cir Cap Connector Female
1	300000297	AMP 12 Cir Cap Connector Female
20	300000586	Female ¼" Quick Disc. (Red)
3	300000589	Female ¼" Quick Disc. (Blue)
80"	300000635	Wire 18 Ga. Yellow/Black
76"	300000636	Wire 18 Ga. Orange/Black
222"	30018319	Wire 18 Ga. Black
76"	30018420	Wire 18 Ga. Blue
200"	30018521	Wire 18 Ga. Brown
76"	30018622	Wire 18 Ga. Orange
76"	30018718	Wire 18 Ga. Yellow
1	30303905	AMP 12 Cir Plug Conn. Male
3	30303912	AMP Pin Contact Male
15	30303913	AMP Socket Contact Female
10	380431695	Wire Ties 4" L
1	610431408	Mixed Air Sensor
1	610431409	Damper Actuator
1	61067100	Logic Module
1	61149400	Enthalpy Control

HARNESS ENDS AT PL6 & PL7

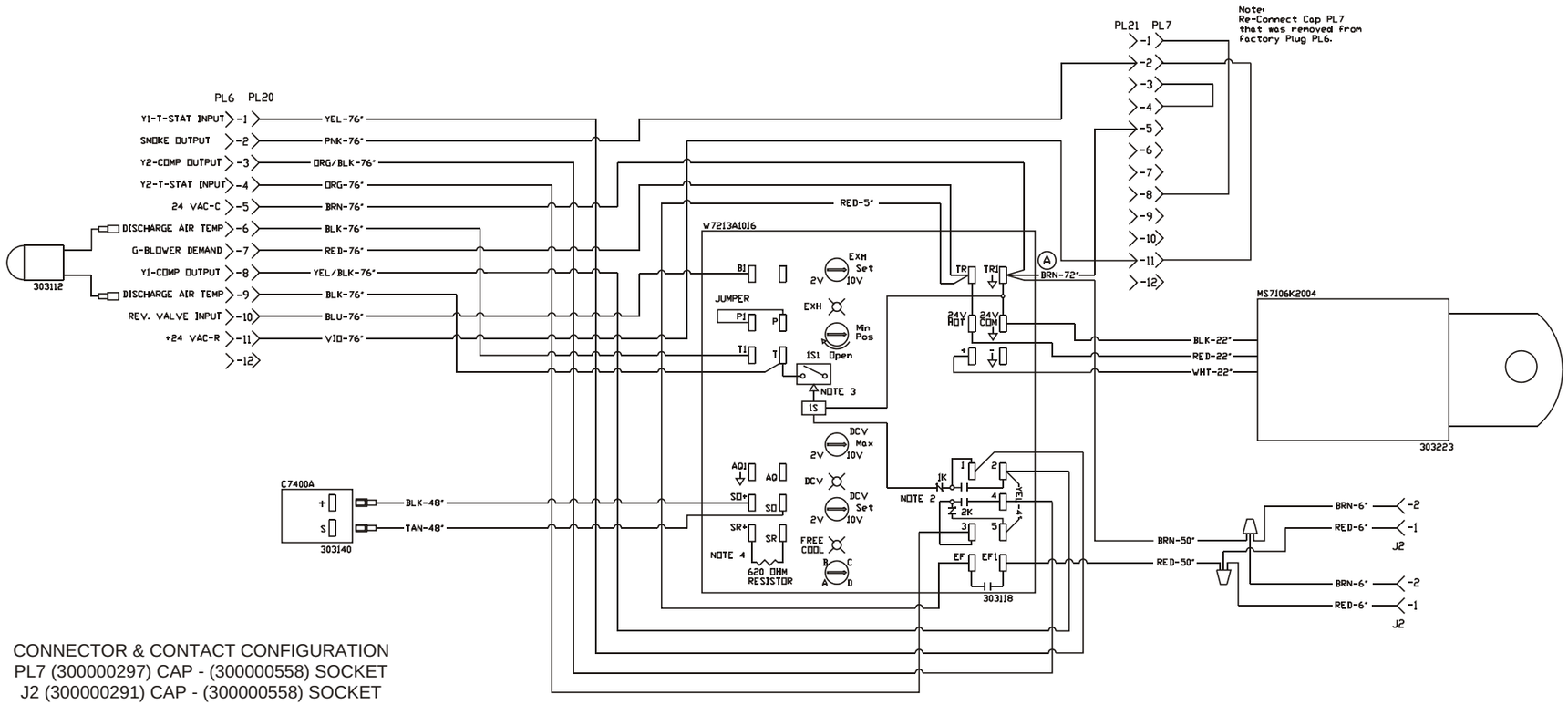
COMPONENT CODE

C7400A	Fresh Air Sensor
9RT1H	Mixed Air Sensor
J2	Power Exhaust Cap
MS7106K	Damper Actuator 24v
PL6	Male A/C Unit Plug
PL7	Female A/C Unit Plug
PL20	Female Economizer Cap
PL21	Male Smoke Plug
W7213A	Logic Module

WIRE COLOR CODE

BLK	Black	BLU	Blue
BRN	Brown	GRN	Green
GRY	Gray	ORG	Orange
PNK	Pink	RED	Red
TAN	Tan	VIO	Violet
WHT	White	YEL	Yellow

Revision	Change	Date
A	ECN# 2265	07-09-09
B	ECN# 5938	08-18-11
C	ECN# 6467	05-01-13



CONNECTOR & CONTACT CONFIGURATION
PL7 (300000297) CAP - (300000558) SOCKET
J2 (300000291) CAP - (300000558) SOCKET

Notes:
1. Unit wiring shown as reference only. Check unit wiring for actual unit wiring.
2. Relays 1K and 2K actuate when the Outdoor Air Enthalpy is lower than the Return Air Enthalpy.
3. 1S is an electronic switch which closes when powered by a 24 VAC input.
4. Factory installed resistor should be removed only if C7400 Differential Enthalpy Sensor is added.
5. Y2 must be energized for the compressor to operate.

Horizontal Modulating Gear Economizer
RKNL / RLNL 072-150

RRS ROOFTOP SYSTEMS
A Ruskin Company
1625 Diplomat Drive
Carrollton, Texas 75006
Phone: (972) 247-7447
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Date: May 1, 2013
Supersedes: 08-18-11
Drawn by: MGL
Unit #: 60-394-13B
Diagram#: 6039413BW
Approved by: