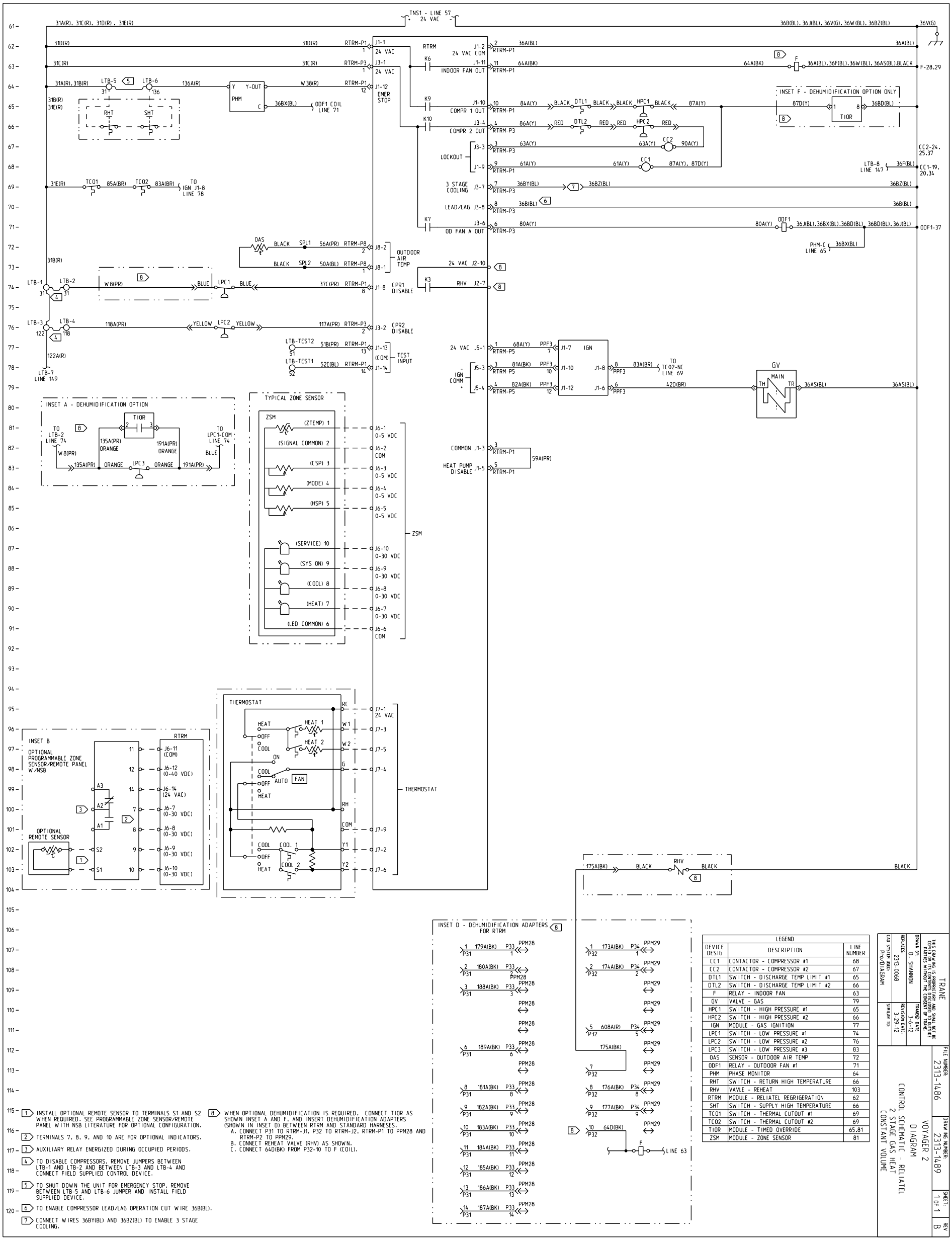
TNS1 - LINE 57
24 VAC
RTRM
24 VAC COM
INDOOR FAN OUT
COMPR 1 OUT
COMPR 2 OUT
LOCKOUT
3 STAGE COOLING
LEAD/LAG
OD FAN A OUT
EMER STOP
24 VAC
OUTDOOR AIR TEMP
CPR1 DISABLE
CPR2 DISABLE
TEST INPUT
IGN
IGN COMM
COMMON
HEAT PUMP DISABLE
GV
MAIN
TH
TR
INSET A - DEHUMIDIFICATION OPTION
TIOR
INSET F - DEHUMIDIFICATION OPTION ONLY
TYPICAL ZONE SENSOR
ZSM
(ZTEMP) 1
(SIGNAL COMMON) 2
(CSP) 3
(MODE) 4
(HSP) 5
(SERVICE) 10
(SYS ON) 9
(COOL) 8
(HEAT) 7
(LED COMMON) 6
INSET B
OPTIONAL PROGRAMMABLE ZONE SENSOR/REMOTE PANEL W/NSB
OPTIONAL REMOTE SENSOR
THERMOSTAT
HEAT
COOL
FAN
INSET D - DEHUMIDIFICATION ADAPTERS FOR RTRM
LEGEND
DEVICE DESIG
DESCRIPTION
LINE NUMBER
CC1 CONTACTOR - COMPRESSOR #1 68
CC2 CONTACTOR - COMPRESSOR #2 67
DTL1 SWITCH - DISCHARGE TEMP LIMIT #1 65
DTL2 SWITCH - DISCHARGE TEMP LIMIT #2 66
F RELAY - INDOOR FAN 63
GV VALVE - GAS 79
HPC1 SWITCH - HIGH PRESSURE #1 65
HPC2 SWITCH - HIGH PRESSURE #2 66
IGN MODULE - GAS IGNITION 77
LPC1 SWITCH - LOW PRESSURE #1 74
LPC2 SWITCH - LOW PRESSURE #2 76
LPC3 SWITCH - LOW PRESSURE #3 83
OAS SENSOR - OUTDOOR AIR TEMP 72
ODF1 RELAY - OUTDOOR FAN #1 71
PHM PHASE MONITOR 64
RHT SWITCH - RETURN HIGH TEMPERATURE 66
RHV VAVLE - REHEAT 103
RTRM MODULE - RELIATEL REGRIGERATION 62
SHT SWITCH - SUPPLY HIGH TEMPERATURE 66
TCO1 SWITCH - THERMAL CUTOUT #1 69
TCO2 SWITCH - THERMAL CUTOUT #2 69
TIOR MODULE - TIMED OVERRIDE 65.81
ZSM MODULE - ZONE SENSOR 81
1 INSTALL OPTIONAL REMOTE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR/REMOTE PANEL WITH NSB LITERATURE FOR OPTIONAL CONFIGURATION.
2 TERMINALS 7, 8, 9, AND 10 ARE FOR OPTIONAL INDICATORS.
3 AUXILIARY RELAY ENERGIZED DURING OCCUPIED PERIODS.
4 TO DISABLE COMPRESSORS, REMOVE JUMPERS BETWEEN LTB-1 AND LTB-2 AND BETWEEN LTB-3 AND LTB-4 AND CONNECT FIELD SUPPLIED CONTROL DEVICE.
5 TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE BETWEEN LTB-5 AND LTB-6 JUMPER AND INSTALL FIELD SUPPLIED DEVICE.
6 TO ENABLE COMPRESSOR LEAD/LAG OPERATION CUT WIRE 36B(BL).
7 CONNECT WIRES 36BY(BL) AND 36BZ(BL) TO ENABLE 3 STAGE COOLING.
8 WHEN OPTIONAL DEHUMIDIFICATION IS REQUIRED, CONNECT TIOR AS SHOWN INSET A AND F, AND INSERT DEHUMIDIFICATION ADAPTERS (SHOWN IN INSET D) BETWEEN RTRM AND STANDARD HARNESES.
A. CONNECT P31 TO RTRM-J1, P32 TO RTRM-J2, RTRM-P1 TO PPM28 AND RTRM-P2 TO PPM29.
B. CONNECT REHEAT VALVE (RHV) AS SHOWN.
C. CONNECT 64D(BK) FROM P32-10 TO F (COIL).
TRANE
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SIMILAR TO:
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DRAWING NUMBER: 2313-1489
SHEET: 1 OF 1
REV: B
VOYAGER 2
DIAGRAM
CONTROL SCHEMATIC - RELIATEL
2 STAGE GAS HEAT
CONSTANT VOLUME