



- NOTES (SHEET TWO):
- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
  - DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINED ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE.
  - NUMBERS ALONG THE LEFT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF COMPONENTS BY LINE NUMBER.
  - ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS. ALL FIELD WIRING MUST HAVE AN INSULATION VOLTAGE RATING THAT EQUALS OR EXCEEDS UNIT RATED VOLTAGE.
- 7 USE CLASS 2 WIRING.
- 8 CONDENSATE OVERFLOW SWITCH IS CLASS 2 VOLTAGE ONLY (24V OR LESS) 10 WATT NON-INDUCTIVE (MAX) SWITCH. THE CONDENSATE SWITCH MUST BE WIRED ONLY TO EQUIPMENT THAT IS POWERED BY THE ONBOARD TRANSFORMER.
- 9 SEE SHEET 23114668 FOR ZONE SENSOR WIRING.
- 10 ELECTRIC HEAT WIRING SHOWN ON SHEETS 23114699 THRU 23114714.
- 11 WIRING SHOWN IS FOR TWO POSITION DAMPER. SEE INSET "C & D" FOR ECONOMIZER DAMPER WIRING.
- 12 WIRING SHOWN IS FOR MODULATING VALVES. SEE INSET "A & B" FOR FACTORY AND FIELD INSTALLED 2 POSITION VALVES.
- 13 OPTION NOT AVAILABLE ZN010 (CTYP = E).
- 14 OPTION NOT AVAILABLE ZN510 (CTYP = F).
- 15 OPTION NOT AVAILABLE ON LOW VOLTAGE (MODL=K,L).
- 16 FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.
- 17 VALVES SHOWN IN NORMALLY CLOSED POSITION, FOR NORMALLY OPEN POSITION, THE VALVE SIGNAL BECOMES CLOSE.

DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	CONTROL PANEL
2	CONTROL END
3	PIPING END
4	FAN SECTION
5	COIL SECTION
6	CUSTOMER INSTALLED
7	FIELD SUPPLIED DEVICE

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1U1	ZN520	74
3L1	COOLING/ CHANGEOVER VALVE	75,122
7L1	COOLING/ CHANGEOVER VALVE	75,122
3L2	COOLING/ CHANGEOVER VALVE	79,127
7L2	HEATING COIL VALVE	79,127
2L2	ECON DAMPER ACTUATOR LH	84
2L2	ECON DAMPER ACTUATOR RH	88
2L2	DAMPER ACTUATOR	116
1S9	FREEZE-STAT	87
4RT4	OUTSIDE AIR TEMP SENSOR	89
5RT5	DISCHARGE AIR TEMP SENSOR	91
6U8	ZONE HUMIDITY SENSOR	93
1U2	ZN ADAPTER BOARD	98
1U4	ENGINE BOARD	129
3RT1	AUTOCHG TEMP SNSR	129
3S8	CONDENSATE OVERFLOW SWITCH	132

REPLACES		TRANE		3518-6102	
DATE	2 MAR 2018	REVISION DATE		DATE	
DRAWN BY	P. LOCHER	DESIGNED BY		DATE	
CHECKED BY		APPROVED BY		DATE	
SIMILAR TO		REVISION		DATE	
		FAN COIL/FORCE-LO		B	
		ZN010, ZN510, ZN520			