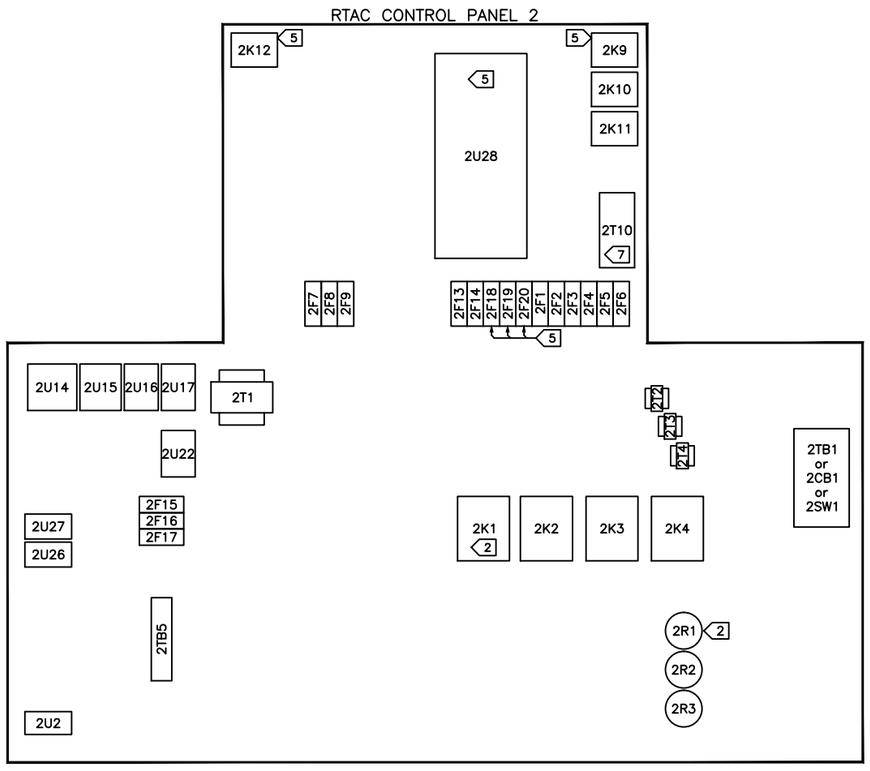
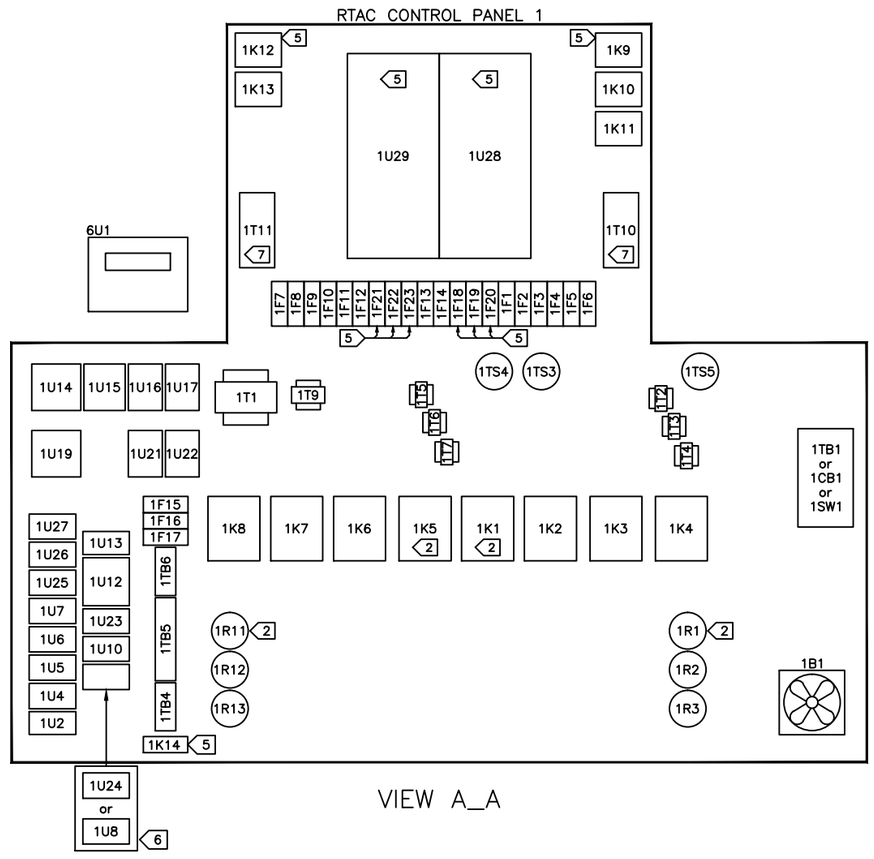
RELEASED 06/Mar/2019 13:24:02 GMT

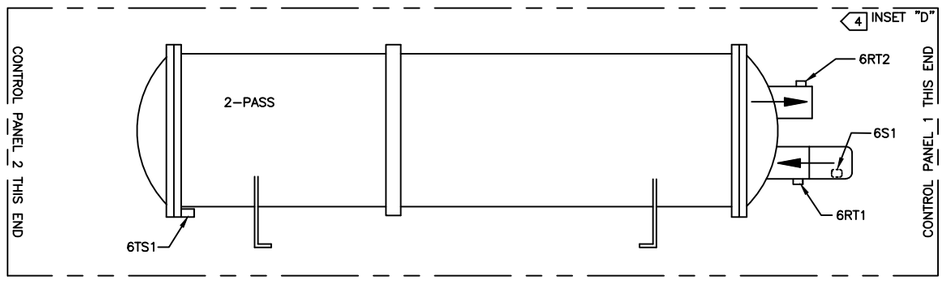
TRANE	2309-4874	SHEET 1 OF 1	REV N
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.	COMPONENT LOCATION		
DRAWN BY: C. MEYERS ©TRANE DATE: 11-3-09	RTAC		
REPLACES:	LARGE AIR COOLED DUAL CONTROL PANEL UNITS 3 COMPRESSOR UNITS		
REVISION DATE:			
SIMILAR TO:			



VIEW B_B



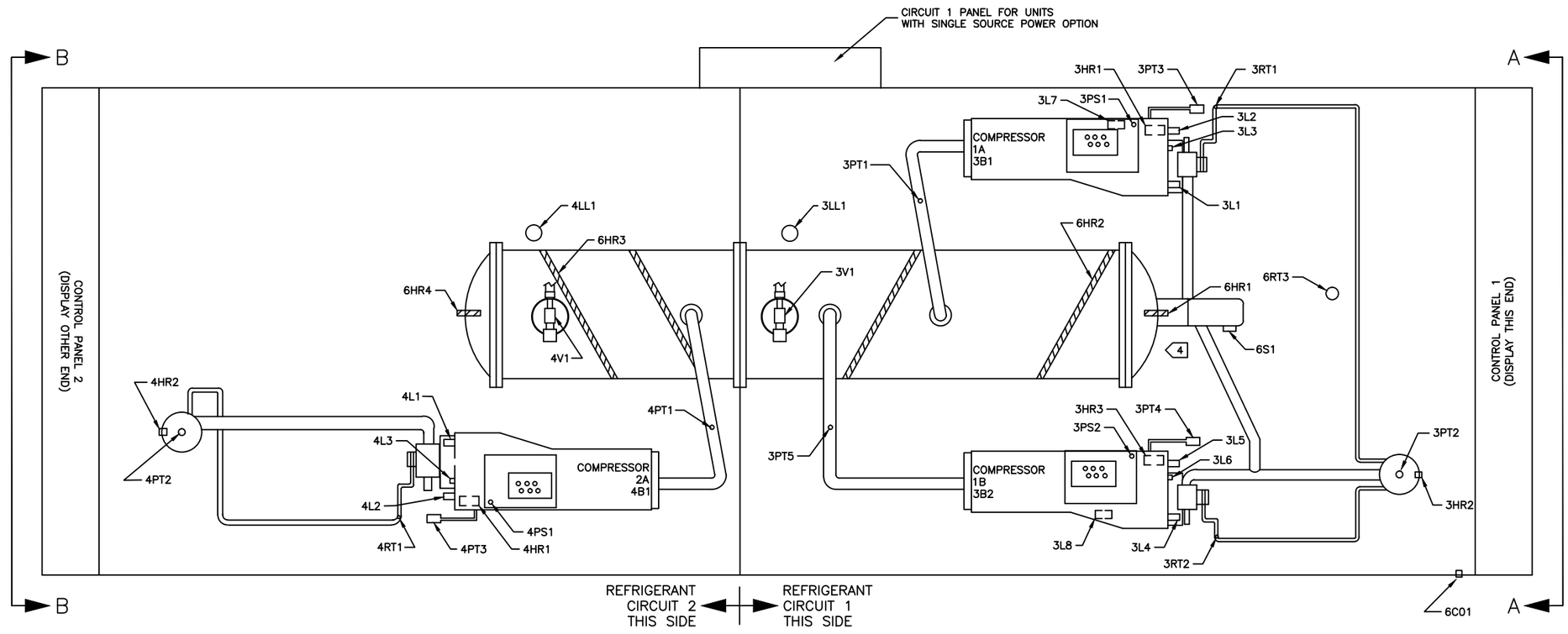
VIEW A_A



SIDE VIEW OF UNIT

NOTES:

1. ALL COMPONENTS & OPTIONS ARE SHOWN. SOME ITEMS MAY NOT BE PRESENT ON ALL PRODUCTS.
2. STARTER CONFIGURATION SHOWN IN THE PANELS ARE FOR A WYE-DELTA STARTER CONFIGURATION. RESISTORS 1R1 THRU 1R13 AND 2R1 THRU 2R13 ARE USED ONLY WITH WYE-DELTA STARTER. THE ACROSS THE LINE STARTER OPTION USES CONTROLLERS 1K1, 1K5, 2K1 AND 2K5.
3. FAN DECK CONFIGURATIONS FOR VARIOUS TONNAGE'S, EFFICIENCIES AND HZ VARIATIONS ARE SHOWN INSET "B".
4. ALL EVAPORATORS FOR THESE UNITS ARE 2 PASS. SEE INSET "D" FOR PIPING CONNECTION DETAILS.
5. INVERTER DRIVES, 1F18-23 & 1K14 ARE PROVIDED ONLY ON LOW OR WIDE AMBIENT TEMPERATURE OPTIONS. K9 & K13 ARE NOT USED WITH INVERTERS.
6. 1U24 = BCI-R BACNET / 1U8 = LCI-C LONTALK OR COM 3.
7. T10 & T11 TRANSFORMERS ARE ONLY REQUIRED ON UNITS WITH FAN INVERTER DRIVES & 575 VOLTS.



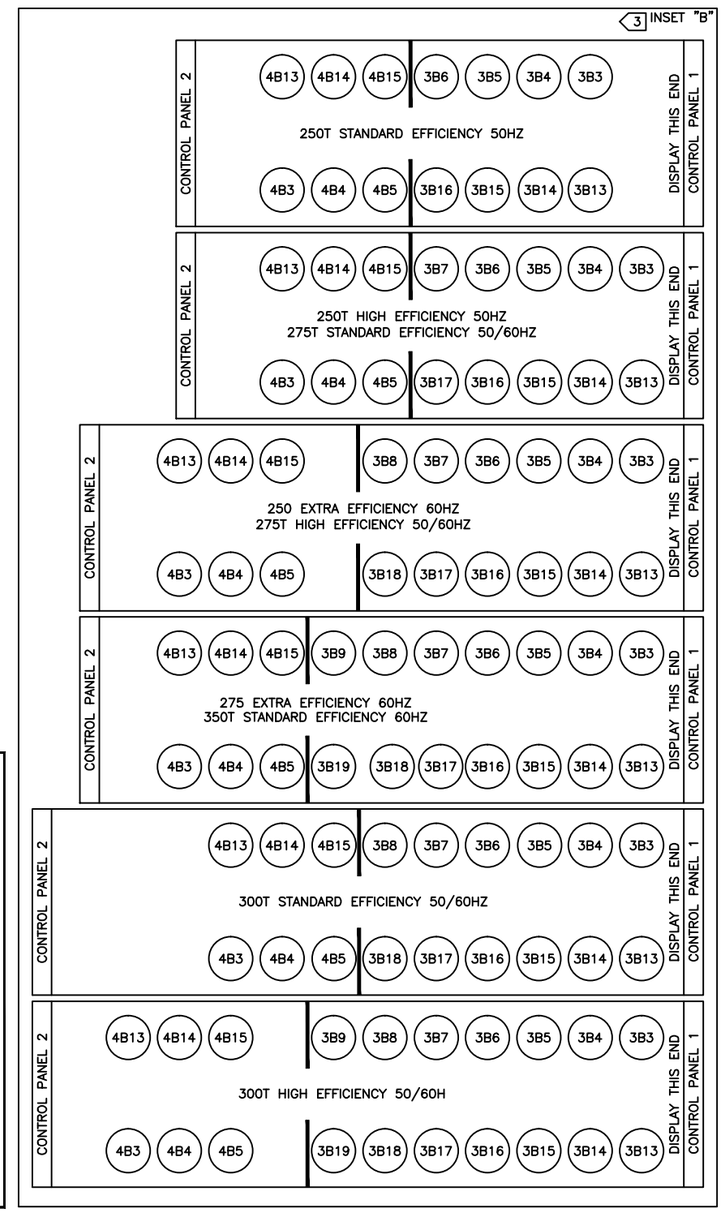
TOP VIEW OF UNIT

WIRE SIZE RANGE FOR FACTORY PROVIDED LUGS FOR CUSTOMER POWER WIRING CONNECTIONS				
UNITS WITH DUAL POINT POWER OPTION & TERMINALS FOR CUSTOMER CONNECTION				
	ELECTRICAL CIRCUIT 1 DUAL SOURCE (PANEL 1)		ELECTRICAL CIRCUIT 2 DUAL SOURCE (PANEL 2)	
VOLTAGE HZ PHASE	UNIT SIZE, EFFICIENCY (TONNAGE)	LUG WIRE SIZE RANGE	UNIT SIZE, EFFICIENCY (TONNAGE)	LUG WIRE SIZE RANGE
200/60/3	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;	FOUR 2AWG – 600 MCM	275, 300 SE/HE; 350 SE;	TWO 2 AWG – 600 MCM
230/60/3			250, 275 XE;	THREE 2 AWG – 600 MCM
			275, 300 SE/HE; 350 SE;	TWO 2 AWG – 600 MCM
			250, 275 XE;	THREE 2 AWG – 600 MCM
380/60/3	300 SE/HE; 350 SE;	THREE 2 AWG – 600 MCM	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;	TWO 2 AWG – 600 MCM
	275 SE/HE/XE; 250XE	TWO 2 AWG – 600 MCM		
460/60/3	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;			
575/60/3				
400/50/3	250, 275, 300 SE/HE;		250, 275, 300 SE/HE;	

UNITS WITH DUAL POINT POWER OPTION & DISCONNECT SWITCH FOR CUSTOMER CONNECTION				
	ELECTRICAL CIRCUIT 1 DUAL SOURCE (PANEL 1)		ELECTRICAL CIRCUIT 2 DUAL SOURCE (PANEL 2)	
VOLTAGE HZ PHASE	UNIT SIZE, EFFICIENCY (TONNAGE)	LUG WIRE SIZE RANGE	UNIT SIZE, EFFICIENCY (TONNAGE)	LUG WIRE SIZE RANGE
200/60/3	250XE	THREE 1/0 AWG – 500 MCM	250, 275 XE;	THREE 1/0 AWG – 500 MCM
	275 SE/HE/XE; 300 SE/HE; 350 SE;	FOUR 250 MCM – 500 MCM	275 SE/HE; 300 SE/HE; 350 SE;	TWO 3/0 AWG – 500 MCM
230/60/3	275 XE; 300 SE/HE; 350 SE;		250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;	TWO 3/0 AWG – 500 MCM
380/60/3	250XE; 275 SE/HE;	THREE 1/0 AWG – 500 MCM	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;	TWO 3/0 AWG – 500 MCM
	300 SE/HE; 350 SE;			
	250 XE, 275 SE/HE/XE;	TWO 3/0 AWG – 500 MCM		
460/60/3	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;			
575/60/3				
400/50/3	250, 275, 300 SE/HE;		250, 275, 300 SE/HE;	

UNITS WITH DUAL POINT POWER OPTION & CIRCUIT BREAKER FOR CUSTOMER CONNECTION				
	ELECTRICAL CIRCUIT 1 DUAL SOURCE (PANEL 1)		ELECTRICAL CIRCUIT 2 DUAL SOURCE (PANEL 2)	
VOLTAGE HZ PHASE	UNIT SIZE, EFFICIENCY (TONNAGE)	LUG WIRE SIZE RANGE	UNIT SIZE, EFFICIENCY (TONNAGE)	
200/60/3	250 XE;	THREE 1/0 AWG – 500 MCM	250, 275 XE;	THREE 1/0 AWG – 600 MCM
	275 SE/HE/XE; 300 SE/HE; 350 SE;	FOUR 250 MCM – 500 MCM	275 SE/HE; 300 SE/HE; 350 SE;	TWO 3/0 AWG – 500 MCM
230/60/3	250 XE;		250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;	TWO 3/0 AWG – 500 MCM
380/60/3	300 SE/HE; 350 SE;	THREE 1/0 AWG – 500 MCM	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;	TWO 3/0 AWG – 500 MCM
	250 XE, 275 SE/HE/XE;	TWO 3/0 AWG – 500 MCM		
460/60/3	250 XE; 275 SE/HE/XE; 300 SE/HE; 350 SE;			
575/60/3				
400/50/3	250, 275, 300 SE/HE;		250, 275, 300 SE/HE;	

SE = STANDARD EFFICIENCY UNITS / HE = HIGH EFFICIENCY UNITS / XE = EXTRA EFFICIENCY UNITS

WIRE SIZE RANGE FOR FACTORY PROVIDED LUGS FOR CUSTOMER POWER WIRING CONNECTIONS		
UNITS WITH SINGLE POINT POWER OPTION (TERMINAL FOR CUSTOMER CONNECTION, CIRCUIT BREAKER & EACH PANEL)		
SINGLE SOURCE POWER ELECTRICAL CIRCUIT 1 & 2 (CENTRAL BOX)		
VOLTAGE HZ PHASE	UNIT SIZE, EFFICIENCY (TONNAGE)	LUG WIRE SIZE RANGE
200/60/3	250 XE; 275 SE/HE/XE;	N/A
230/60/3	300 SE/HE; 350 SE;	
380/60/3	250, 275 XE; 350 SE;	FOUR 2 AWG – 600MCM
	275, 300 SE/HE;	
460/60/3	275 SE/HE; 300 SE/HE; 350 SE;	
	250, 275 XE;	FOUR 250MCM – 600MCM
575/60/3	275 SE/HE; 300 SE/HE; 350 SE;	FOUR 2 AWG – 600MCM
400/50/3	250, 275, 300 SE/HE;	

S = STANDARD EFFICIENCY UNITS / P = HIGH EFFICIENCY UNITS / XE = EXTRA EFFICIENCY UNITS