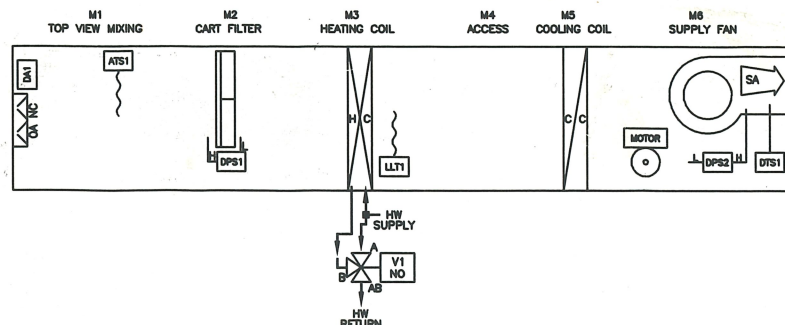


T892

REPLACES	AUTOCAD	R1P653AA	REV
REVISION DATE	THE TRANE COMPANY A SPANISH COMPANY AUTOMATIC CONTROLS DIV.	SCHEMATIC WIRING	
DESIGNED BY	T. DOON	T-SERIES	
DRAWN BY	08/02/2000	SIZE 1/8"	
		TAG: ANU-1	
		JOB: GRUNDY COUNTY COURTHOUSE & JAIL	

WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE
SEVERE PERSONAL INJURY OR DEATH.

CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.



DEVICE DESIGNATION	DESCRIPTION	QTY	PART #
M	MODULE NUMBER ON NAMEPLATE		
ATS1	AVERAGING TEMP SENSOR	1	X13780204-01
DA1	DAMPER ACTUATOR	1	X13611002-02
DPS1,2	DIFF. PRESSURE SWITCH	2	X13240278-01
DTS1	DISCHARGE AIR TEMP SENSOR	1	X13780206-01
LLT1	COIL LOW LIMIT TEMP. SWITCH	1	X13540929-01
V1	VLV; 1.0" 11.5 CV 3-WAY HW NO (S/D)	1	X13680287-25
JVJ	JACK VALVE JACK		
PVP	PLUG VALVE PLUG (SHIP W/VALVE)		
1K3	SUPPLY FAN STARTER RELAY	1	X13310314-01
1K5	SUPPLY FAN LOW LIMIT TEMP. CKT RELAY	1	X13310314-01
1TB4	CONTROL TERMINAL BLOCK	1	
1TB5	CONTROL TERMINAL BLOCK	1	
1CPP	CONTROL POWER PLATE	1	X13640487-02
1T3,4	CONTROL TRANSFORMER	1	X13550280-01
2TB12	CONTROL TERMINAL BLOCK	1	
2U1	PCM CONTROL MODULE	1	X13980214-01
2K9	COIL LOW TEMP. CKT RELAY	1	X13300608-01
2S6	COIL LOW TEMP. CKT RESET SWITCH	1	X13480073-01
SSS	SPACE SENSOR W/OVR & ADJ SET P(TS/W)	1	X13510639-01

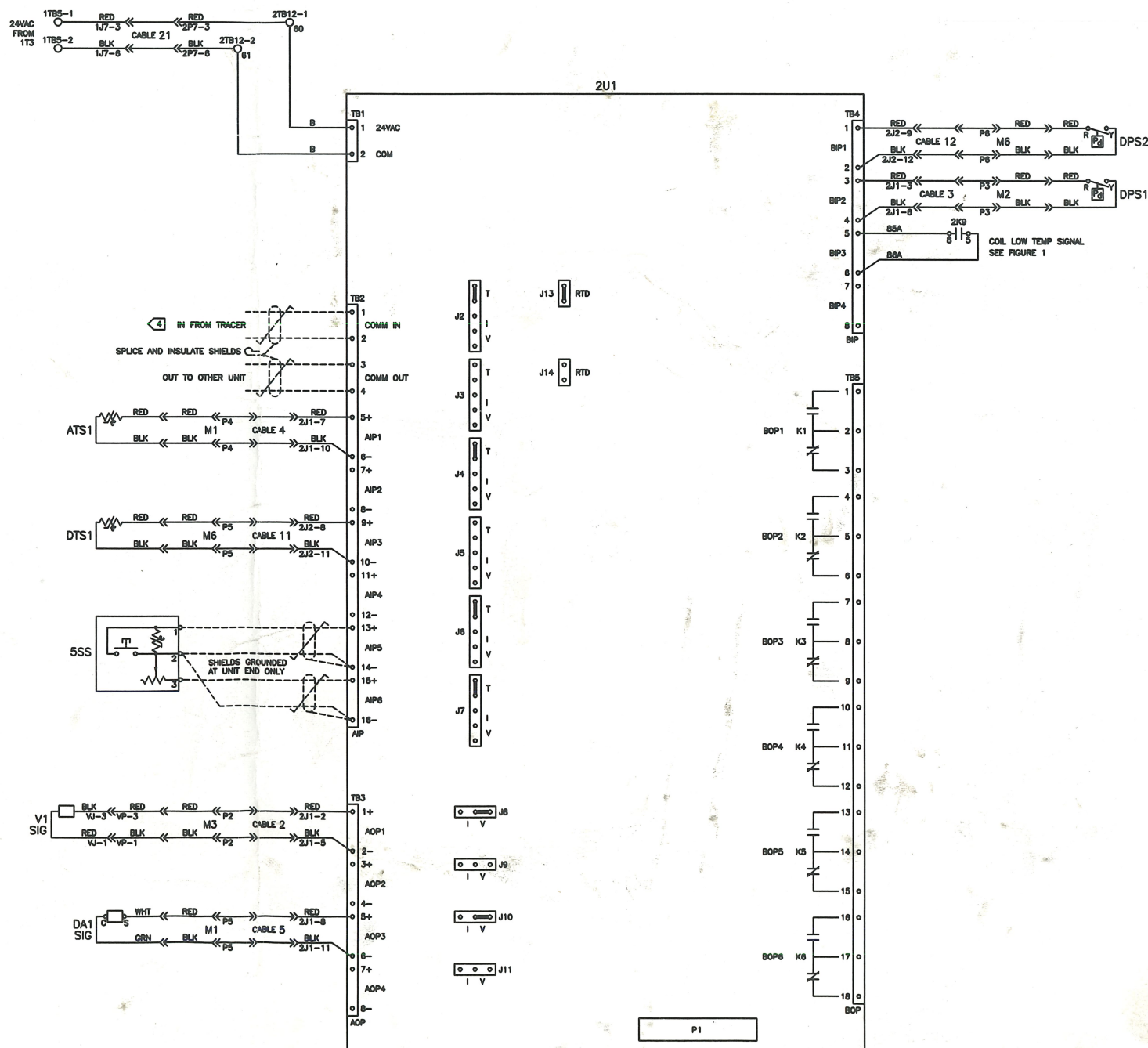
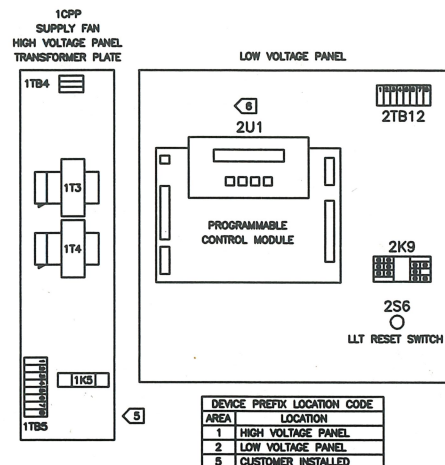
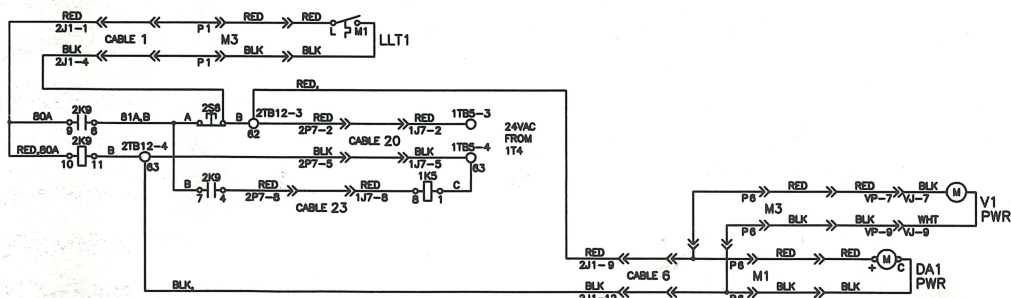
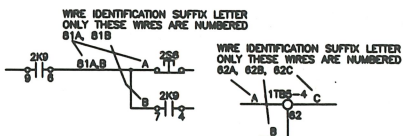
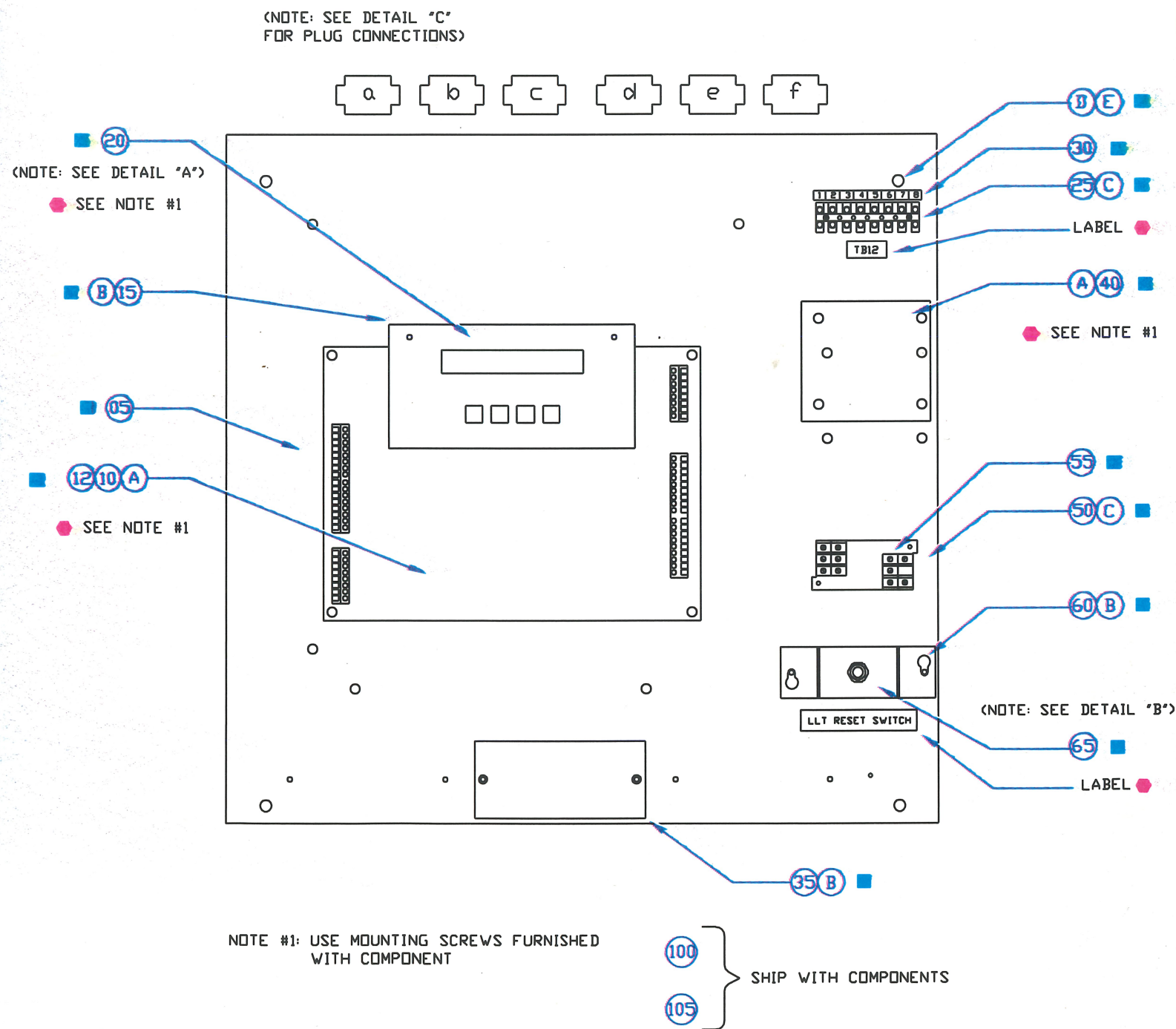


FIGURE 1
COIL LOW LIMIT TEMP
RESET CIRCUIT

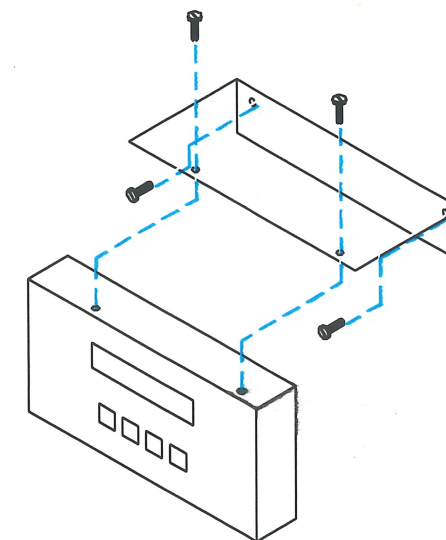


- NOTES:
1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. SOLID LINES INDICATE WIRING BY THE TRANE CO.
 3. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS.
 4. COMMUNICATION WIRE MUST BE TRANE PART NO. 400-20-28 OR EQUIVALENT. MAXIMUM 5000 FOOT AGGREGATE RUN. CAUTION! DO NOT RUN POWER IN THE SAME CONDUIT/WIRE BUNDLE WITH COMMUNICATION LINK.
 5. CONTROL RELAY(S) CONTACTS: SILVER CADMIUM OXIDE RATED AT 1/2 HP @ 240VAC AND 1/3 HP @ 240VAC.
 6. 2U1'S BINARY OUTPUT RELAY CONTACTS ARE RATED: 24V AC/DC, 1 AMP, 24 VA PILOT DUTY. EXTERNAL RELAY REQUIRED FOR HIGHER VOLTAGE CIRCUITS.

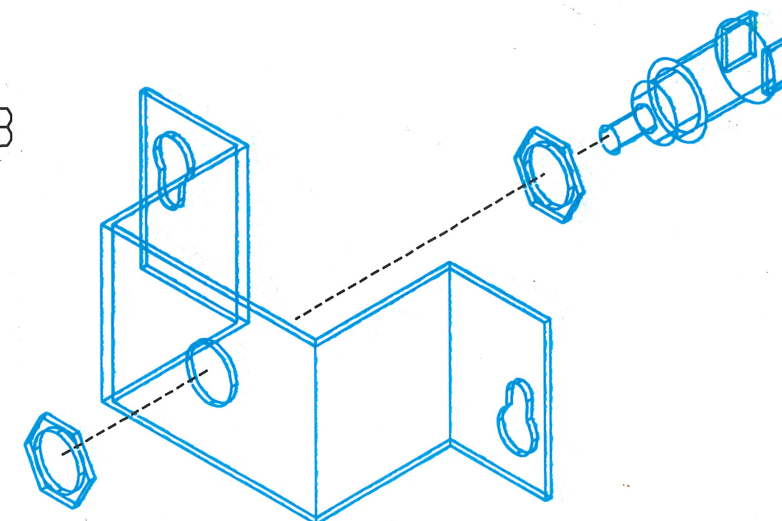




DETAIL A



DETAIL B



DETAIL C

PANEL PLUG CONNECTIONS
(LOOKING INSIDE BOX)

	FROM END DEVICES*			FROM STARTER PANEL		
3 PLUGS:	13-18 a	7-12 b	1-6 c	31-36 d	25-30 e	19-24 f
2 PLUGS:	7-12 a	1-6 b	✗	✗	25-30 e	19-24 f
1 PLUG:	1-6 a	✗	✗	✗	✗	19-24 f

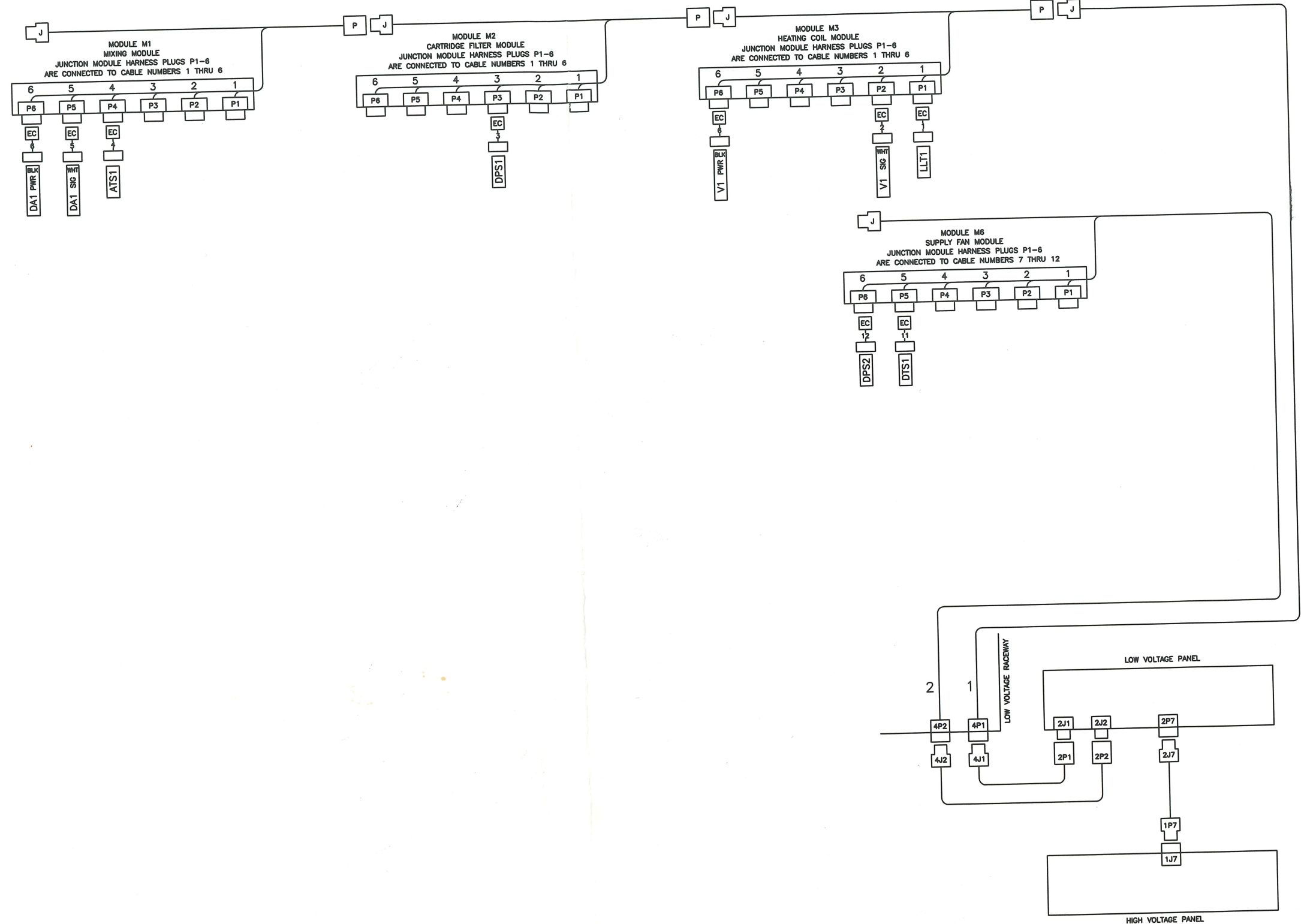
* CONFIGURATION DETERMINED BY LARGEST WIRE LABEL VALUE

T892

NOTES:

EC = EXTENSION CORD - 2 CONNECTORS
DC = DAISY CORD - 3 CONNECTORS

REPLACES	AUTOCAD	R1P653AA	REV
REVISION DATE	THIS TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC.	HARNES ASSEMBLY	
DRAWN BY T. DIXON	THE TRANE COMPANY 1000 W. 10TH ST. OKLAHOMA CITY, OK 73106	T-SERIES	
DATE 08/02/2000	SIMILAR TO	SIZE: #008 TAG: AHU-1	
		JOB: GRUNDY COUNTY COURTHOUSE & JAIL	



UNIT SUMMARY; R1P653A - A

DEPARTMENT:

PRINT DATE: 08/11/00

ASSEMBLY START DATE:

06	!	B	!	6	!	!	!	!	Y	!	!	6	!	!	!	UW	!	FTTP
	!		!		!	!	!	!		!	!		!	!	!	UF	!	
	!		!		!	!	!	!		!	!		!	!	!		!	
	!		!		!	!	!	!		!	!		!	!	!		!	

T892

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DRIVEKIT:--->0 /01 ORDERED; 0 /01 RECEIVED; DOCK DATE>  RECV DATE>
DAMPER:  QTY>1          DAMPER;HOR MIX PRL BLADE          X09050501020
MOTOR:   QTY>1          MTR;2HP 200 60 3 EEODP            X70410378010
```

MIXING MODULE

FILTER SECTIONS B

HORIZONTAL COIL SECTION

ACCESS MODULE

HORIZONTAL COIL SECTION

T-SERIES FAN MODULE

R1P653A	A	CC00	" "	291911820200
		X13310395010	1.0 SOCKET; RELAY TYPE HF	50
		X13300608010	1.0 RELAY; GEN PURP TYPE HF	55
KB		299841670100	1.0 BRKT,LOW LMT 1.500X7.276	60
		X13480073010	1.0 SWITCH; PUSH BTTON MOM CNT	65
		X25330033200	2.0 SCREW, 8-32 X .37 THD ROLL	B
		X25330033120	4.0 SCREW; 6-32 X .63 THD ROLL	C

>>>> PRODUCT CODING BLOCK <<<<

ORDER-NO BL FAC TY S VAL-DT PIC-DT ACT-DT QTY PCOD TAGGING-INFO
 '653A A LEX SO A 000628 000718 000620 1 0151 AHU-1

POS	SEQ	PGRP	QTY	TYPE	RUL	CTGY	CODE	DESCRIPTION	SPC
AA	00	CC02	1	FCOD		MODU	UTSC	UNIT OPTIONS-TSCA	
				FCOD		SIZE	06	SIZE 06	
				VCAT	S	UCFM	2275.0	UNIT CFM - SUPPLY FAN	
				VCAT	0	ULEN	170.75	UNIT LENGTH (INCHES)	
				FCOD		AGCY	UL	UL LISTED UNIT	
				FCOD		PANT	FACT	FACTORY PAINTED	
				FCOD		CRBT	STD	STANDARD TYPE ROOF CURB	
				FCOD		MODL	TSCA	T-SERIES CLIMATE CHANGER	
				FCOD		DSEQ	A	DESIGN SEQUENCE A	
CC	00	UC02	1	FCOD		MODU	CVCS	CONSTANT VOLUME CONTROL SYSTEM	
				FCOD		CONT	PCM2	20 POINT PCM	
				FCOD		CMTG	UMOD	UNIT MTD. OPPOSITE DRIVE SIDE	
				FCOD		LCDS	NONE	NO LCD SCREEN/KEYPAD	
				FCOD		CIRO	0	0 RELAY REQD	
				FCOD		STS3	1	SPACE SENSOR - 1 QTY	
				FCOD		DSEQ	A	FIRST SHIP	
01	00	AM02	1	FCOD		MODU	AMIX	MIXING MODULE	
				FCOD		MTYP	MIX	MIXING BOX W/O FILTER FRAME	
				FCOD		SHIP	EELD	AIR ENT-EOU / AIR LVG-STD	
				FCOD		INSL	BS15	INSULATION 2" DW SOLID	
				FCOD		DFRO	PARL	BACK DAMPER PARALLEL BLADE	
				FCOD		LBCK	BACK	INLET HOOD ON BACK OF UNIT	
				FCOD		DBOT	NO	NO BOTTOM DAMPER OR OPENING	
				FCOD		DLSD	NO	NO SIDE DAMPER OR OPENING	
				FCOD		DRSD	NO	NO RIGHT SIDE DMPR OR OPENING	
				FCOD		MACT	ELEC	ELECTRONIC DAMPER ACTUATOR(S)	
				FCOD		OALC	BACK	OUTSIDE AIR BACK	
				FCOD		ADOR	R	DOOR RIGHT HAND	
				FCOD		SAVG	ATS	AVERAGING TEMP SENSOR	
				FCOD		DSEQ	B	3,6,8 JACKSHAFT CHANGE	
02	00	FB02	1	FCOD		MODU	FILB	FILTER SECTIONS B	
				FCOD		FTYP	CART	CARTRIDGE FILTER MODULE	
				FCOD		SHIP	EDLD	AIR ENT-STD / AIR LVG-STD	
				FCOD		INSL	BS15	2" DW SOLID	
				FCOD		ADOR	R	RIGHT HAND DOOR	
				FCOD		F1PF	PM	1 SET PLEATED MEDIA FILTERS	
				FCOD		FFBC	CB65	12" (305mm) CARTRIDGE 65% EFF	
				FCOD		SDEL	DFS	DIRTY FILTER SWITCH	
				FCOD		DSEQ	A	FIRST SHIP	
03	00	HC02	1	FCOD		MODU	HCOL	HORIZONTAL COIL SECTION	
				FCOD		MSIZ	S	SMALL COIL MODULE	
				FCOD		SHIP	EDLD	AIR ENT-STD / AIR LVG-STD	

STANDARD
 PRODUCTION
 ORIGINAL

>>>> PRODUCT CODING BLOCK <<<<

ORDER-NO BL FAC TY S VAL-DT PIC-DT ACT-DT QTY PCOD TAGGING-INFO
 1 453A A LEX SO A 000628 000718 000620 1 0151 AHU-1

POS	SEQ	PGRF	QTY	TYPE	RUL	CTGY	CODE	DESCRIPTION	SPC
03	00	HC02	1	FCOD		INSL	BS15	2" DW SOLID	
				FCOD		DPAN	PR	PITCHED W/RH CONN IAQ PAN	
				FCOD		CHGT	U	UNIT COIL	
				FCOD		VTYPE	E3W	ELECT 3-WAY CTRL WATER VALVE	
				FCOD		VFLE	56	1" NPT 11.6 CV 182SIG 3W	
				FCOD		VPOS	OPEN	COIL VALVE NORMALLY OPEN	
				FCOD		SLLT	LLFL	LEAVING AIR FREEZESTAT	
				FCOD		DSEQ	A	FIRST SHIP	
				FCOD		CSUP	RH	RIGHT SIDE COIL CONN OR PIPE	
				FCOD		SYS	HW	HOT WATER	
				VCAT	0	EDBH	0.0000	Entering dry bulb	
				VCAT	0	LDBH	69.620	Leaving dry bulb	
				VCAT	0	TCAF	171.76	Total capacity	
03	10	CL06	1	FCOD		CTYP	UW	TYPE UW COIL HTG/CLG WATER	
				FCOD		CAPP	H	HEATING UNIT	
				FCOD		CROW	2	2 ROW	
				VCAT	S	FSPG	72	COIL FIN SPACING	
				FCOD		FTYP	D	DELTA FLOW E ENERGY EFF	
				FCOD		FMTL	A	ALUMINUM FIN	
				FCOD		TMTL	016C	.016" CU STD-UNIT 1/2 OD TUBE	
				FCOD		CCSG	GS	GALVANIZED STEEL - STD	
03	11	CL04	1	FCOD		MODL	DB	TRANE HTG/CLG STD COILS	
				FCOD		DSEQ	B	DESIGN SEQUENCE "B"	
				FCOD		CTYP	UW	TYPE UW COIL HTG/CLG WATER	
				FCOD		CAPP	H	HEATING	
				FCOD		PCOD	UTCC	UNIT MCC P/C 0151	
				FCOD		CSUP	RH	RIGHT HAND - SIDE CONN HORIZ	
				FCOD		CCSG	GSS	GALV STL 2 ROW CSG U COIL	
				FCOD		CROW	2	2 ROW	
				VCAT	S	FWTH	23	COIL FINNED WIDTH	
				VCAT	S	FLGH	36	FINNED LENGTH	
				FCOD		FTYP	D	DELTA FLO E ENERGY EFFICIENT	
				FCOD		FMTL	A	ALUMINUM FIN	
				VCAT	S	FSPG	72	COIL FIN SPACING	
				FCOD		TMTL	016C	.016" CU STD-UNIT 1/2 OD TUBE	
04	00	AC02	1	FCOD		MODU	ACC	ACCESS MODULE	
				FCOD		MSIZ	M	MEDIUM ACCESS/BLANK MODULE	
				FCOD		SHIP	EDLD	AIR ENT-STD / AIR LVG-STD	
				FCOD		INSL	BS15	INSULATION 2" DW SOLID	
				FCOD		ADOR	R	RIGHT HAND DOOR	
				FCOD		DSEQ	A	FIRST SHIP	
00	00	HC02	1	FCOD		MODU	HCOL	HORIZONTAL COIL SECTION	

STANDARD
 PRODUCTION
 ORIGINAL

>>>> PRODUCT CODING BLOCK <<<<

ORDER-NO BL FAC TY S VAL-DT PIC-DT ACT-DT QTY PCOD TAGGING-INFO
 . P653A A LEX SO A 000628 000718 000620 1 0151 AHU-1

POS	SEQ	PGRP	QTY	TYPE	RUL	CTGY	CODE	DESCRIPTION	SPC
05	00	HC02	1	FCOD		MSIZ	M	MEDIUM COIL MODULE	
				FCOD		SHIP	EDLD	AIR ENT-STD / AIR LVG-STD	
				FCOD		INSL	BS15	2" DW SOLID	
				FCOD		DPAN	PR	PITCHED W/RH CONN IAQ PAN	
				FCOD		CHGT	U	UNIT COIL	
				FCOD		DSEQ	A	FIRST SHIP	
				FCOD		CSUP	RH	RIGHT SIDE COIL CONN OR PIPE C	
				FCOD		SYS	REF	REFRIGERANT	
				VCAT	0	EDBH	90.000	Entering dry bulb	
				VCAT	0	EWBH	74.000	Entering wet bulb	
				VCAT	0	LDBH	53.600	Leaving dry bulb	
				VCAT	0	LWBH	53.500	Leaving wet bulb	
				VCAT	0	TCAF	155.28	Total capacity	
				VCAT	0	SCAF	90.960	Sensible capacity	
05	10	CL06	1	FCOD		CTYP	UF	TYPE UF COIL COOLING REFRG	
				FCOD		CAPP	CW	COOLING W/ DRAIN HOLES	
				FCOD		CROW	8	8 ROW	
				VCAT	S	FSPG	105	COIL FIN SPACING	
				FCOD		FTYP	DH	DELTA FLOW H HIGH EFF	
				FCOD		FMTL	A	ALUMINUM FIN	
				FCOD		TMTL	016C	.016" CU STD-UNIT 1/2 OD TUBE	
				FCOD		CCSG	GS	GALVANIZED STEEL - STD	
				FCOD		CB11	INTR	INTERTWINED CIRCUITS	
				FCOD		C1DT	3	3/16 DIA DISTRIBUTOR TUBE	
				FCOD		CCNC	A	FULL CIRCUITING	
				FCOD		PELB	WELB	WITH PACKED ELBOW	
05	11	CL04	1	FCOD		MODL	DB	TRANE HTG/CLG STD COILS	
				FCOD		DSEQ	B	DESIGN SEQUENCE "B"	
				FCOD		CTYP	UF	TYPE UF COIL COOLING REFRG	
				FCOD		CAPP	CW	COOLING W/ DRAIN HOLES	
				FCOD		PCOD	UTCC	UNIT MCC P/C 0151	
				FCOD		CSUP	RH	RIGHT HAND - SIDE CONN HORIZ	
				FCOD		CCSG	GSM	GALV STL 8 ROW CSG U COIL	
				FCOD		CROW	8	8 ROW	
				VCAT	S	FWTH	23	COIL FINNED WIDTH	
				VCAT	S	FLGH	36	FINNED LENGTH	
				FCOD		FTYP	DH	DELTA FLO H HIGH EFFICIENCY	
				FCOD		FMTL	A	ALUMINUM FIN	
				VCAT	S	FSPG	105	COIL FIN SPACING	
				FCOD		TMTL	016C	.016" CU STD-UNIT 1/2 OD TUBE	
				FCOD		PELB	WELB	WITH PACKED ELBOW	
				FCOD		CB11	INTR	INTERTWINED CIRCUITS	
				FCOD		C1DT	3	3/16 DIST-1ST IN AIR STREAM	
				FCOD		CCNC	A	FULL CIRCUIT-1ST IN AIR STREAM	

STANDARD
 PRODUCTION
 ORIGINAL

>>>> PRODUCT CODING BLOCK <<<<

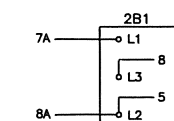
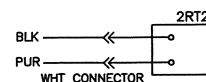
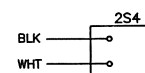
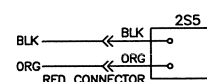
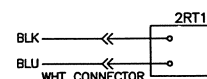
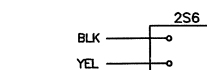
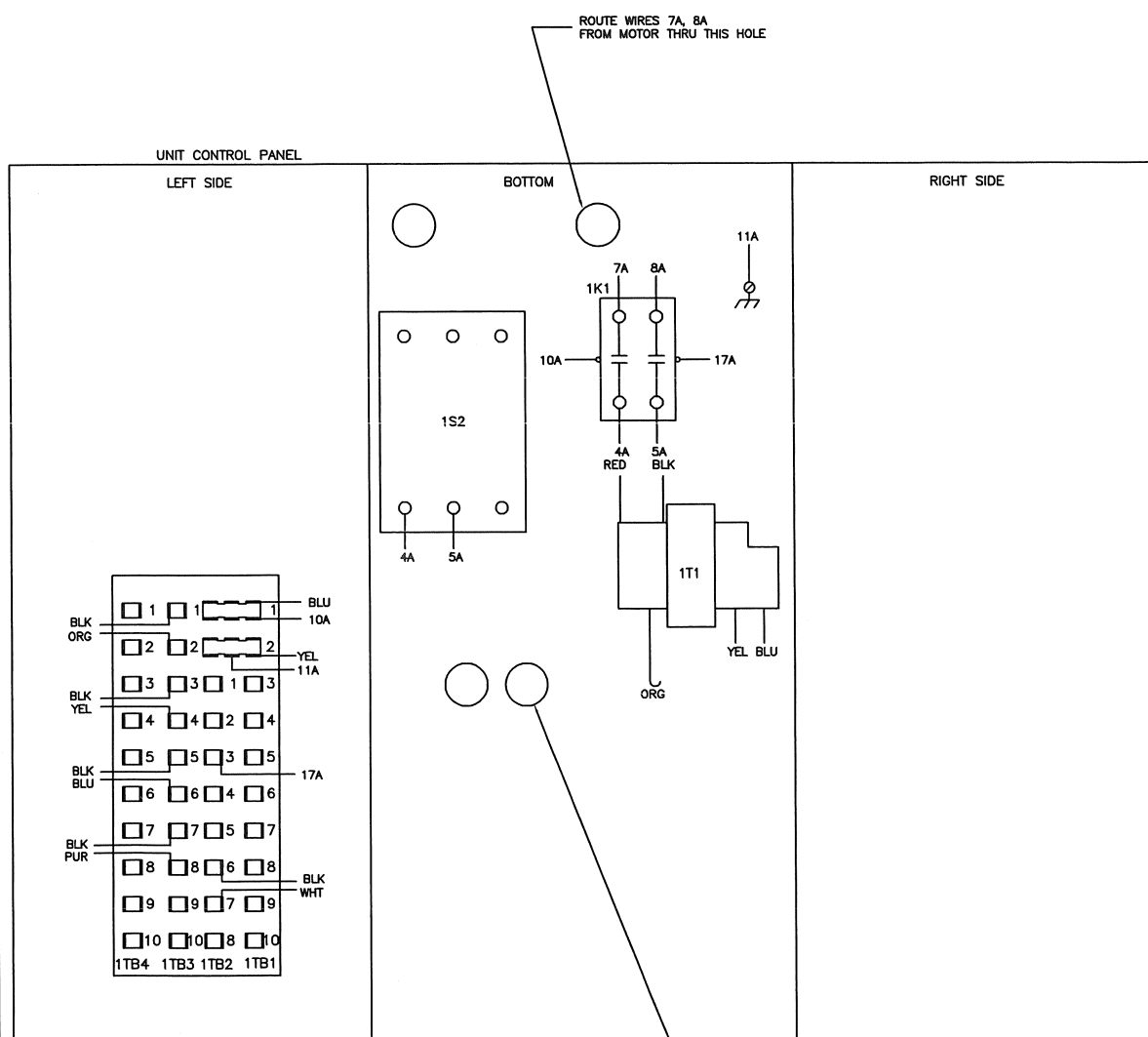
ORDER-NO BL FAC TY S VAL-DT PIC-DT ACT-DT QTY PCOD TAGGING-INFO
1 653A A LEX SD A 000628 000718 000620 1 0151 AHU-1

POS	SEQ	PGRF	QTY	TYPE	RUL	CTGY	CODE	DESCRIPTION	SPC
06	00	FN02	1	FCOD		MODU	FAN	T-SERIES FAN MODULE	
				FCOD		SHIP	EDLE	AIR ENT-STD / AIR LVG-EQU	
				FCOD		INSL	BS15	INSULATION 2" DW SOLID	
				FCOD		ADOR	B	DOOR BOTH SIDES	
				FCOD		FSIZ	6B	10.5" FC	
				FCOD		ISOL	SPRG	SPRING ISOLATION	
				FCOD		RALO	HS	HORIZONTAL SUPPLY FAN	
				FCOD		DCHG	FTTP	FRONT TOP DISCHARGE	
				FCOD		DRLO	R	DRIVE RIGHT HAND	
				FCOD		DSFT	1.5V	1.5 VARIABLE DRIVE	
				FCOD		MSHP	2	2 HORSEPOWER	
				FCOD		MCIS	EEOP	ODP HIGH EFF E+	
				FCOD		MVLT	200	VOLTAGE 200-208/60/3	
				FCOD		MFRM	T	T-FRAME MOTOR	
				FCOD		CYCL	60	60 CYCLE MOTOR	
				FCOD		SSUP	SAS	FAN DISCHARGE TEMP SENSOR	
				FCOD		SAFL	AFS	AIR FLOW SWITCH	
				FCOD		DSEQ	B	10-30 MOTOR MOUNTING REDESIGN	
				VCAT	S	FCFM	2275.0	FAN CFM	
				VCAT	S	RPMF	1654	FAN RPM	
				VCAT	S	BHPF	1.6530	FAN MOTOR BHP	
				VCAT	O	TSP	2.7900	FAN TSP	

STANDARD
PRODUCTION
ORIGINAL

HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE
SEVERE PERSONAL INJURY OR DEATH.

USE COPPER CONDUCTORS ONLY
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.



NOTE: TO REVERSE ROTATION OF MOTOR
INTERCHANGE MOTOR LEADS 5 AND 8

ROUTE 24 VOLT WIRING FROM EXTERNAL
CONTROLS THRU THESE 2 HOLES

DIAGRAM BUILT FOR
AND MODEL NO.

REC'D DATE	TIME	TELETYPE COMPANY
8-1-89	1400	ALTECO
FROM	AMERICAN OF TROUBLE SHOOTING INC. 10000 14TH AVE. S.W. BOOTH 87 SEATTLE, WA 98148 (206) 461-1111 (206) 461-1111	
DATE	8/1/89	8:00 AM TO
CONNECTION DIAGRAM CENTRAL STATION AIR HANDLER LOW PRESSURE CLIMATE CHANGER 24V CONTROL INTERFACE		