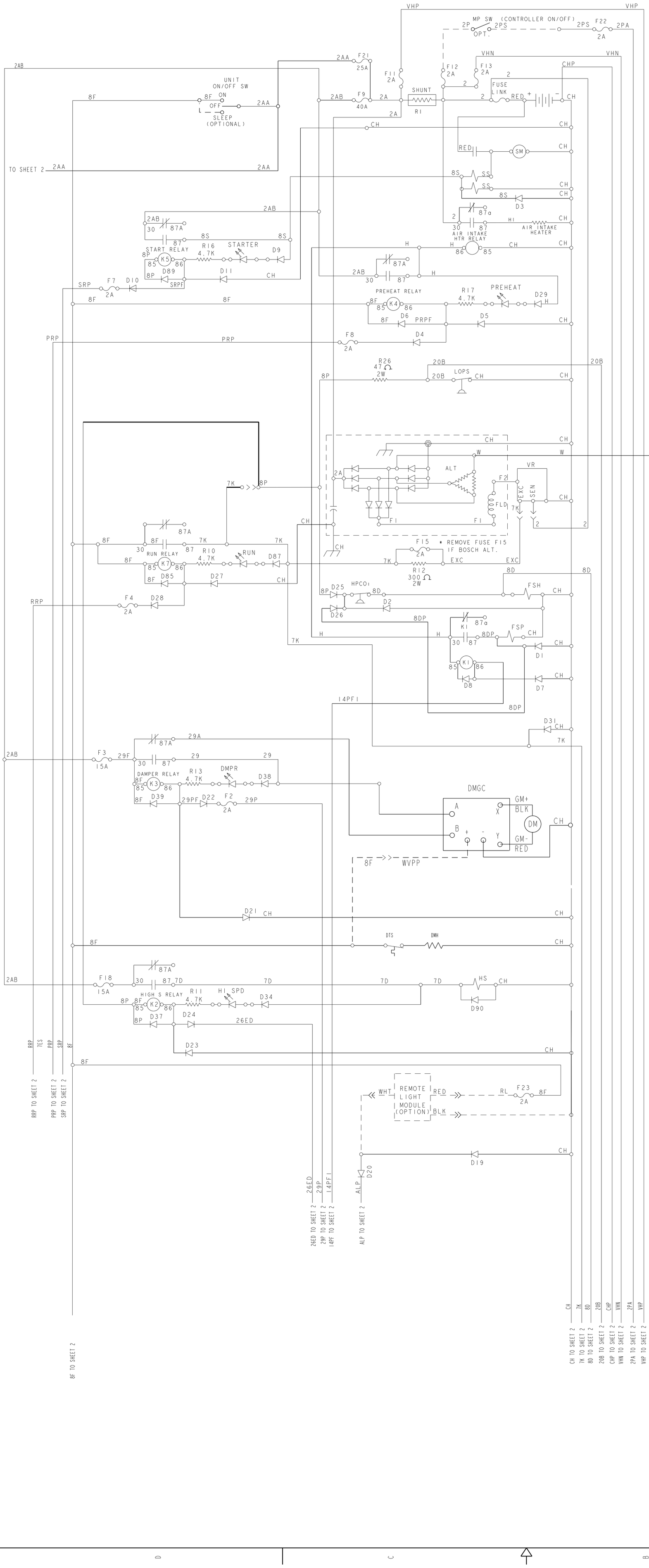

LEGEND LOCATION

ALT	-	ALTERNATOR	12
	-	BUZZER	45
DAS	-	DATA ACQUISITION SYSTEM (OPT)	67
DMH	-	DAMPER MOTOR HEATER	22
DMGC	-	DAMPER MOTOR GEAR CONTROLLER	22
DPT	-	DISC PRESS TRANS	61
ETV	-	ELECTRIC THROTTLING VALVE	60
	-	FUSE LINK	3
SM	-	STARTER MOTOR	4
SPT	-	SUCTION PRESSURE TRANSDUCER	32
VR	-	VOLTAGE REGULATOR	12
REMOTE LIGHTS (OPTIONAL)			23

FUSES

F1	-	MP TO HIGH SPD RELAY/ELECT HEAT	49
F2	-	MP TO DEFROST RELAY	19
F3	-	POWER TO DEFROST RELAY/DAMPER	18
F4	-	MP TO RUN RELAY	14
F5	-	MP TO HOT GAS SOLENOID	49
F6	-	MP TO HEAT RELAY/PILOT SOL	49
F7	-	MP TO START RELAY	7
F8	-	MP TO PRE-HEAT RELAY	9
F9	-	MAIN COTROL POWER	3
F10	-		49
F11	-	SHUNT TO CONTROLLER	3
F12	-	POWER TO MP	3
F13	-	SHUNT TO CONTROLLER	3
F14	-	POWER TO CONTROLLER(ETV VALVE)	51
F15	-	BYPASS RES. FOR PRESTOLITE ALT	13
F16	-		28
F17	-		21
F18	-	PWR TO HIGH SPEED SOLENOID	23
F19	-	PWR TO UNLOADER RELAY (HOT GAS)	21
F20	-	MP TO ELECT CLUTCH	49
F21	-	PWR TO ON/OFF SWITCH	2
F22	-	PWR TO MP	1
F23	-	PWR TO REMOTE LIGHTS	26
F26	-	MP TO LIQUID LINE SOL(NOT USED)	49
F27	-	PWR TO LIQUID LINE SOL/PILOT SOL	45
F28	-	MP TO MV	52
F29	-	MP TO UNLOADER(NOT USED)	49
F30	-	MP TO WATER VALVE(NOT USED)	49
F31	-	MP TO MOD VALVE(NOT USED)	49
F32	-	MP TO ECON BYPASS(NOT USED)	49

RELAYS

AIR INTAKE HTR RELAY			6
DSR	-	DOOR SWITCH RELAY	60
K1	-	FUEL SOL PULL-IN	15,16
K2	-	HIGH SPEED RELAY	23
K3	-	DAMPER RELAY	18
K4	-	PREHEAT RELAY	7
K5	-	START RELAY	6
K7	-	RUN RELAY	13
OL	-	OVERLOAD RELAY	28,65,66

SENSORS

	-	AMBIENT TEMP	58
	-	COIL TEMP	59
DPT	-	DISCHARGE PRESS TRANSDUCER	61
DASS1	-	DAS SENSOR	64
DASS2	-	DAS SENSOR	65
DASS3	-	DAS SENSOR	66
DASS4	-	DAS SENSOR	67
DASS5	-	DAS SENSOR	67
DASS6	-	DAS SENSOR	68
	-	DISCHARGE AIR	57
	-	ENG. WATER TEMP	59
FW	-	FLYWHEEL	55
	-	RETURN AIR	58
	-	SHUNT	3
SPT	-	SUCTION PRESS TRANSDUCER	62

SOLENOIDS

DM	-	DAMPER	20
FSH	-	FUEL SOLENOID HOLD	14
FSP	-	FUEL SOLENOID PULLIN	15
HS	-	HIGH SPEED	23
PS	-	PILOT	43
SS	-	STARTER	5
HGS	-	HOT GAS SOLENOID	43

SWITCHES

CLS	-	COOLANT LEVEL	55 4 12
DMS1,2	-	DAMPER MOTOR SW.	19,20
DS	-	DOOR SW.	61
DTS	-	DAMPER MOTOR TEMP SW	22
FLS	-	FUEL LEVEL SWITCH (OPT)	52
FPS	-	FUEL PRESS SWITCH	52
HPCO1	-	HIGH PRESSURE CUTOUT DIESEL	15 28
LOPS	-	LOW OIL PRESSURE SW.	9
MP SW	-	CONTROLLER ON/OFF	1
OLS1	-	OIL LEVEL	54
ON/OFF	-	UNIT SWITCH-(SLEEP OPT)	3,51

JUMPERS

TP5	-	COLD START ENABLED	50
TP6	-	SCTY CODE BYPASS	51
TP7	-	MODULATION ENABLED	48
TP8	-	ELECT ENABLED	48
TP14	-	SMX/SL SELECT	48
TP15	-	HIGH CAP SMX/SL SELECT	48
TP16	-	YANMAR ENG SELECT	48
TP17	-	REM. CTL SELECT	48
TP18	-	SCREW COMP. SELECT	48
TP20	-	DAS SELECT	48

THERMO KING CORPORATION
MINNEAPOLIS, MINNESOTA USA

(5D50737) | REV | A

DRAWING NUMBER 5D54367

DIAGRAM-SCHEMATIC
SL-400 30 MPVI
ETV & DAS

SCALE | SHEET 1 OF 2

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THERMO KING CORPORATION
MINNEAPOLIS, MINNESOTA USA

DIAGRAM-SCHEMATIC
SL-400 30 MPVI
ETV & DAS

DRAWING NUMBER 5D54367 | REV A
SCALE NONE | SHEET 2 OF 2

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TO SHEET I
7EH
D85 ECL
D49 CH
D51 CH
D54 CH
D55 CH
D59 CH
D61 CH
HOT GAS SOLENOID 8F
D63 CH
F27 5A 26P
D65 CH 26P
D66 I4PFI
D7 CH
D57 CH 26E
7EH
26ED
CH
8F BUZZER
D68
D48 8F CLUTCH R24
D47 8F UNLOADER R2 UL EBV
D46 8F ECON R3
D45 8F WATER VALVE R4 WV
D43 8F LIQUID LINE R6 LLS
D42 8F HOT GAS R7 HGG
D92 D41 8F MOD R8 MV
D40 HEAT R9 26G
D44 ELEC HEAT R5 26E
D67
D83 BZD TP19
D84 F20 2A ECLP
DAS TP20
D50 F29 2A ULP
D52 D82 F32 2A EBVP
D81 BZD REM TP12
D53 D80 F30 2A WVP
D79 BZD 8EC TP4
D58 D76 F26 2A LLSP
D75 BZD HC TP15 TP10
D60 D74 F5 2A HGGP
D73 BZD YAN TP16 TP11
D62 D72 F31 2A MVP
D71 BZD MC TP7 TP3
D64 D70 F6 2A I4P
D69 BZD SCREW TP18 TP13
D56 D78 F1 2A I0P
D77 BZD SMX TP14 TP9
F10 2A BZ
D33 7EH
D32 8D
RRP
PRP
SRP
7EHA
8E
F14 8EV 2A
8F
ON
OFF SL
SLEEP (OPTIONAL)
R23
CH FPS (OPTIONAL) FP
2AA F28 2A 2AAL
OLS1
OLS
FS1
FW FLYWHEEL SENSOR
FS2
CLP
CLN
CLS
OUTPUT
STIP
SPARE SENSOR 1
STIN
ST2P
SPARE SENSOR 2
ST2N
DTP
DISCHARGE AIR SENSOR
DTN
RTP
RETURN AIR SENSOR
RTN
ATP
AMBIENT TEMP SENSOR
ATN
CTP
COIL TEMP SENSOR
CTN
WTP
ENG WATER TEMP SENSOR
WTN
ETV
RED 1 EVA
BLU 2 EVB
BLK 3 EVC
WHT 4 EVD
DPT DPI HSPP HSPN SPT SPI
CLN HSPN
CLP HSPP
29P
ALP
CSP TP5 TP1 CH
SCB TP6 TP2 CH
7K
8D
20B
CHP
CHPA
WR
VHNA
2PA
VHP
ER
RXD1 COM1 TXD1 DPD(BLK) DATA LOG CONN (OPT)
RXD3 COM3 TXD3 TRACKER CONN (OPT)
TXD2 COM2 RXD2 REMOTE(OPT) CONTROL
87A DS 87 30 (OPT)
DOOR SWITCH RELAY(OPT) DSR 86 85 2AAL
DOOR SWITCH DSR CH (OPT)
2AAL
* NOTE:
EITHER THE CONTROLLER IS CONNECTED TO THE DATA LOG CONNECTOR OR THE CONTROLLER IS CONNECTED TO THE DAS AND THE DAS IS CONNECTED TO THIS DATA LOG CONNECTOR.

MODES HOURS GAUGES PRETRIP P
THERMO KING
SELECT SETPOINT ENTER
CODE CLEAR
ALARM

CONTROLLER CONN
PRINTER CONN
DAS (OPTIONAL)
COM1 RXD1 TXD1
RXD1 TXD2 TXD1 RXD2 COM1 COM2 CH 2AAL 2PA 8
2PA F CH D COM3 C TXD3 B RXD3 A DI4 E
8 20
19 9 33 34 23 35 32 31 29
SIP SIN S2P S2N S3P S3N S4P S4N S5P S5N S6P S6N DI1 DI2 DI3 DO1 DO2 WAK
1 13 2 14 3 15 4 16 5 17 24 25 6 7 18 12 30 28
DASP DASN BLU BRN
DASS1 DASS2 DASS3 DASS4 DASS5 DASS6