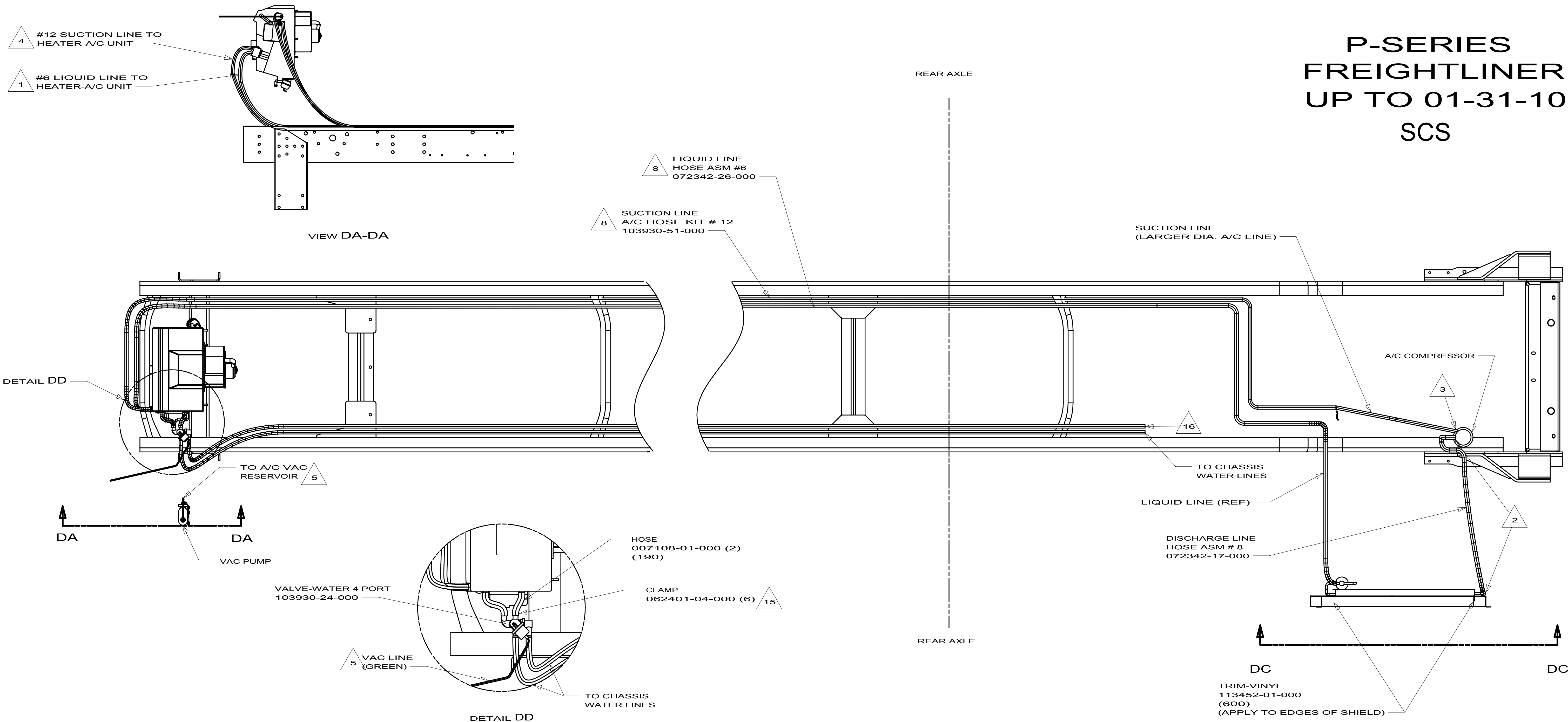


P-SERIES
FREIGHTLINER
UP TO 01-31-10
SCS



8. HOSE TO BE RUN WITH FREIGHTLINER CHASSIS HOSE AND WIRING.

7. ROUTE A/C LINES OVER THE TOP OF ENGINE AIR INTAKE USE A GENEROUS RADIUS AND DO NOT ALLOW LINES TO TOUCH ENGINE.

6. APPLY GIMP 113452-02-000 OVER ALL SHARP EDGES THAT MAY CROSS HOSES.

5. SUPPLIED WITH A/C-HEATER

4. TORQUE TO 28-33 FT/LBS

3. TORQUE TO 21-27 FT/LBS

2. TORQUE TO 15-20 FT/LBS

1. TORQUE TO 11-13 FT/LBS

16. SEE MOTORAIID INSTL FOR ADDITIONAL INFORMATION.

15. TORQUE TO 20.0 $\pm$ 3 IN/LBS.

14. USE ANTI-FREEZE 007316-03-000 (A/R)

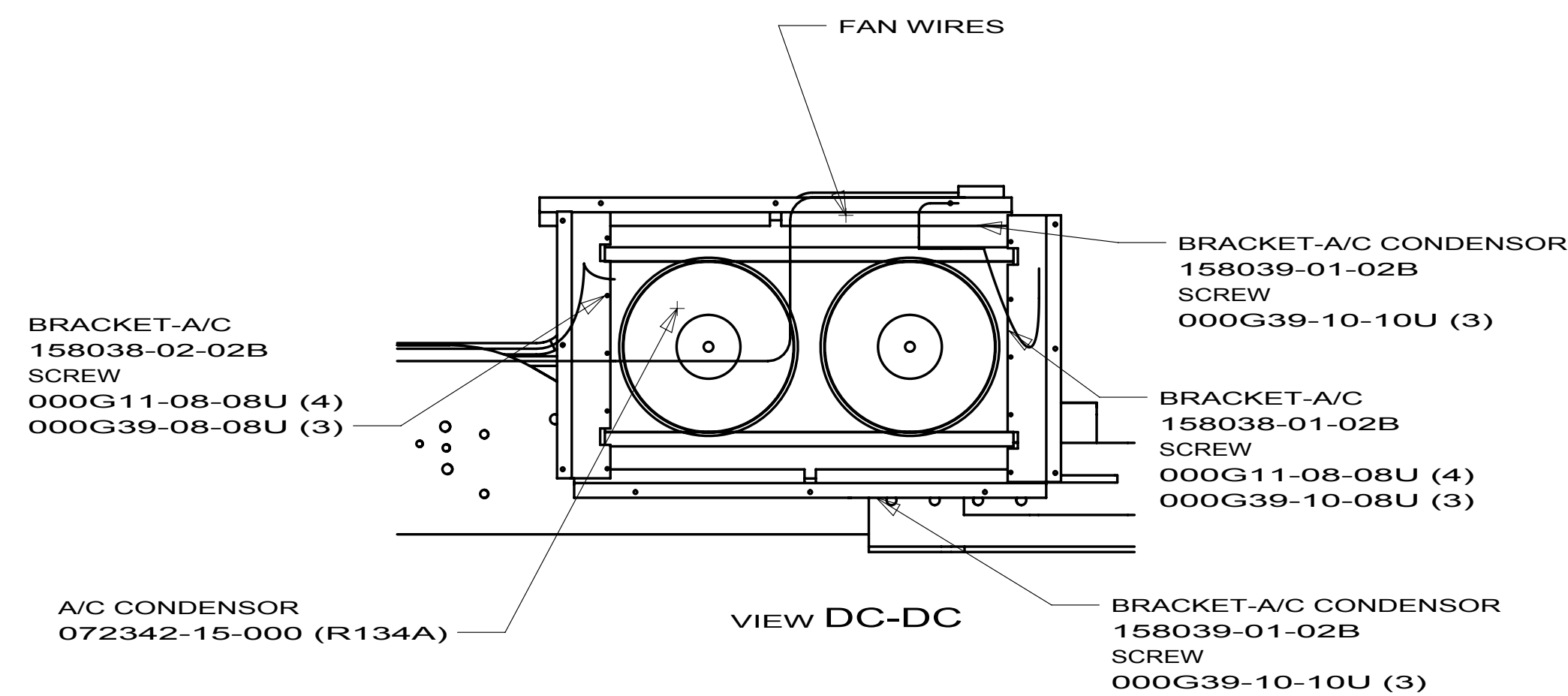
13. USE 50 MM OF DROPOFF FROM TRIMING 079059-01-000.

12. REMOVE RETURN LINE FROM FOWARD SIDE OF VALVE AND ROUTE ACROSS CHASSIS CROSSMEMBER TO RIGHT HAND SIDE

11. EVACUTE COMPLETE SYSTEM TO 50 MICRONS AND CHECK FOR LEAKS CHARGE SYSTEM WITH 40OZ $\pm$ 1.8 OZ OF 3122-00-R134A FREON AND ADD 4 OZ OF REFRIGERANT PAG OIL NO. 104941-02-000

10. LUBRICATE ALL O-RINGS WITH REFRIGERANT OIL.

9. LEAVE CAPS ON HOSES UNTIL FINAL CONNECTION IS MADE



NOTES:

HEATER-A/C INSTL,CHASSIS

3A

169851

P-SERIES FREIGHTLINER (AFTER 02-01-10) EVANS

#12 SUCTION LINE TO
HEATER-A/C UNIT

#6 LIQUID LINE TO
HEATER-A/C UNIT

VIEW DA-DA

LIQUID LINE
HOSE ASM #6
176054-02-000

SUCTION LINE
A/C HOSE KIT # 12
176054-07-000

SUCTION LINE
(LARGER DIA. A/C LINE)

A/C COMPRESSOR

DB

DB

DA

DA

VAC PUMP

RESERVOIR-VACUUM
176053-01-000
SCREW
G39-10-10U (2)

HOSE
7108-51-000
(700)

FROM HEATER CORE
(RETURN)

TEE
76776-01-000

HOSE
7108-51-000
(70)

VALVE-WATER,3
PORT ELECTRONIC
176044-02-000
SCREW
G39-10-10U (2)

CLAMP
62401-04-000 (8)

TO HEATER CORE
(SUPPLY)

HOSE
7108-51-000
(700)

FROM BOTTOM OF ENGINE
(RETURN)

FROM TOP OF ENGINE
(SUPPLY)

#12 SUCTION LINE TO
HEATER-A/C UNIT

#6 LIQUID LINE TO
HEATER-A/C UNIT

CONNECT BLUE VACUUM
LINE FROM DASH HVAC
CONTROL TO AIR
RECIRCULATION DOOR
VACUUM MOTOR.

VIEW DB-DB

LIQUID LINE (REF)

DISCHARGE LINE
HOSE ASM # 8
176054-01-000

TO CHASSIS
WATER LINES

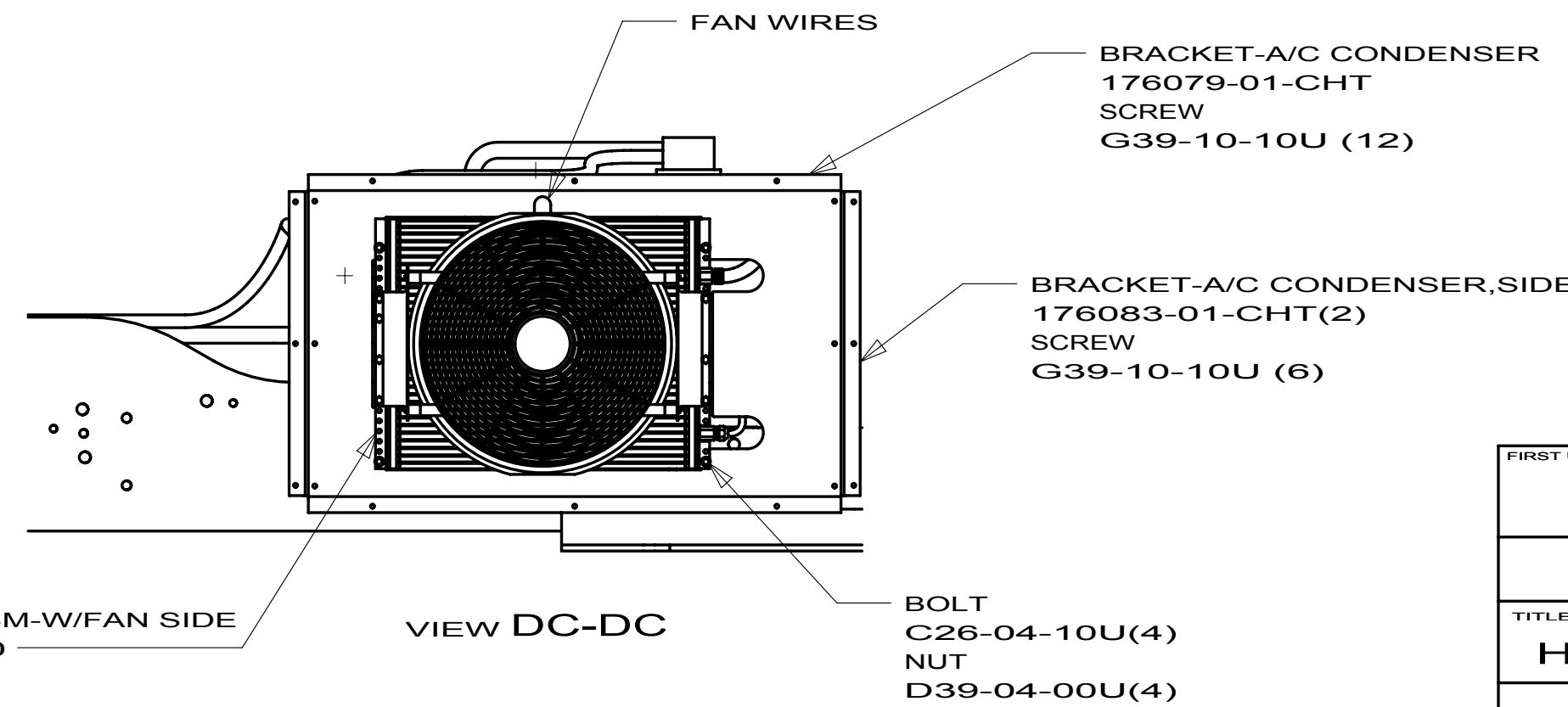
DC

TRIM-VINYL
113452-01-000
(600)
(APPLY TO EDGES OF SHIELD)

DC

- WHEN MOTOROID TUBE CONTACTS ANY CHASSIS COMPONENT THE SHALL BE POTECTED BY CONDUIT 41953-02-000
- USE ANTIFREEZE 7316-03-000 (A/R)
- ADD 4 OZ OF PAG REFRIGERANT OIL P/N 104941-02-000 IN LIQUID LINE, EVACUATE COMPLETE SYSTEM TO 50 MICRONS AND CHARGE SYSTEM WITH R134A REFRIGERANT P/N 3122-03-000. SEE ENGINEERING SPECIFICATION ES0083 FOR REFRIGERANT CHARGE AND REFRIGERANT LINE TORQUE VALUES.
- LUBRICATE ALL O-RINGS WITH REFRIGERANT OIL.
- LEAVE CAPS ON HOSES UNTIL FINAL CONNECTION IS MADE
- APPLY GIMP 113452-02-000 OVER ALL SHARP EDGES THAT MAY CROSS HOSES.
- SEE MOTOROID INSTL FOR ADDITIONAL INFORMATION.

NOTES:



VIEW DC-DC

FIRST USED		
10 P-SERIES FL		
DO NOT SCALE DRAWING		
TITLE: HEATER-A/C INSTL,CHASSIS		
SHEET3B	PART NO 169851	REV

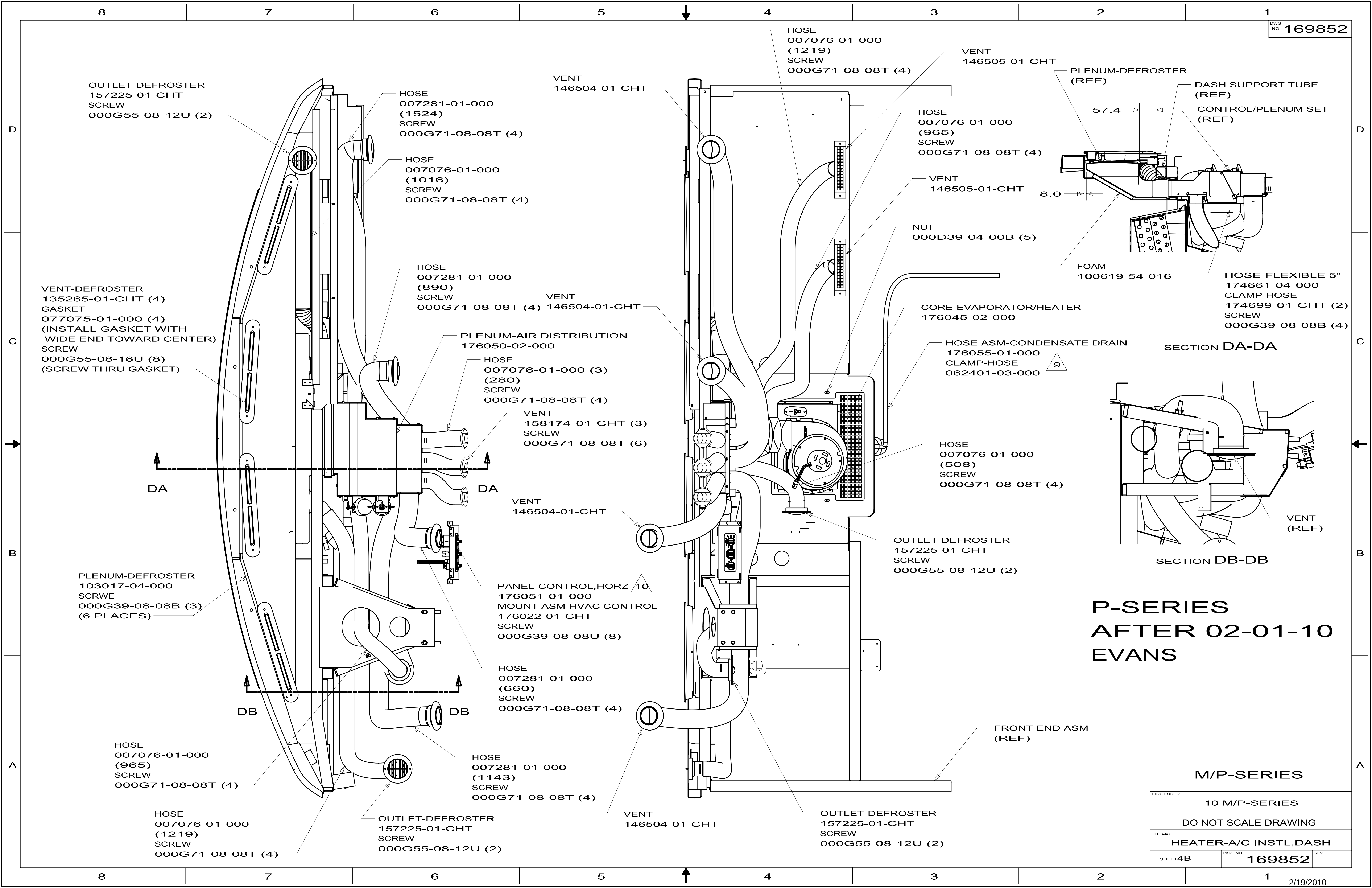
KEY	PART NUMBER	U/M DESCRIPTION	072342-17-000 VENDOR NO.
	072342-12-701	EA HOSE ASM #8 CONDENSER/COMP	085-0142
	113245-01-707	EA O'RING #8	045-0126

KEY	PART NUMBER	U/M DESCRIPTION	072342-26-000 VENDOR NO.
	072342-26-700	EA SWITCH-BINARY W/PACKARD CONN	032-00384
	072342-26-701	EA HOSE ASM. - #6 DRIER/EVAP	085-00623
	103930-01-716	EA SWITCH-PRESSURE/COND. FAN	032-0036
	113245-01-711	EA O'RING #6	045-0129

KEY	PART NUMBER	U/M DESCRIPTION	072342-27-000 VENDOR NO.
	072342-27-700	EA HOSE - #6 DRIER/EVAPORATOR	085-00622
	103930-01-716	EA SWITCH-PRESSURE/COND. FAN	032-0036
	103930-12-708	EA SWITCH-BINARY-HI/LOW CUTOUT	032-00048
	103930-12-709	EA FITTING-QUICK CONNECT	050-0120
	110279-02-702	EA O'RING #12	045-0125
	113245-01-711	EA O'RING #6	045-0129



FIRST USED			
10 M/P-SERIES			
DO NOT SCALE DRAWING			
TITLE:			
HEATER-A/C INSTL,DASH			
SHEET 4A		PART NO 169852	REV



P-SERIES AFTER 02-01-10 EVANS

M/P-SERIES

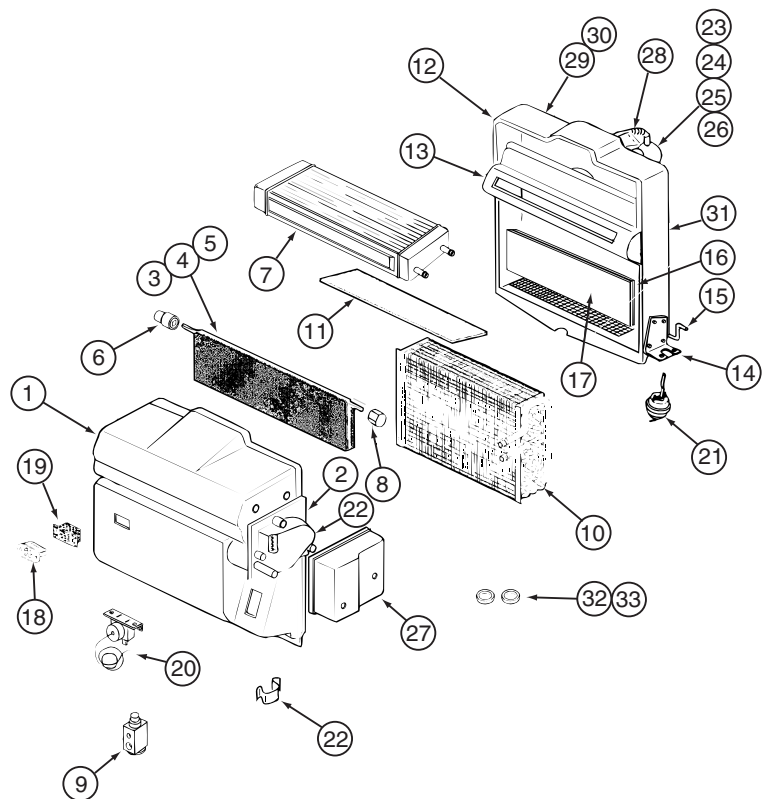
FIRST USED	10 M/P-SERIES		
	DO NOT SCALE DRAWING		
TITLE:	HEATER-A/C INSTL,DASH		
SHEET4B	PART NO	169852	REV

KEY	PART NUMBER	U/M DESCRIPTION
	103930-17-702	EA O'RING #10
	103930-51-700	EA HOSE - #12 EVAP/COMP - 41.5'

103930-51-000
VENDOR NO.
045-0127
085-0490

KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO.
1	103930-55-701	EA CASE - FRONT	062-0658
2	103930-30-701	EA PLATE - MOTOR MOUNT	062-0544
3	103930-55-705	EA DOOR - BLEND AIR	071-0892
6	103930-30-702	EA BUSHING/DRIVE (BLEND DOOR)	062-0168
7	103930-55-706	EA CORE - HEATER - W/GASKET	084-0271
8	103930-30-709	EA COUPLING - BLEND DOOR SHAFT	062-0634
9	103930-20-700	EA VALVE-EXPANSION-BLOCK, 2 TON	034-0032
10	103930-55-700	EA CORE-EVAPORATOR	041-00168
12	103930-55-702	EA CASE-REAR	062-0657
14	103930-01-708	EA BRACKET-VACUUM MOTOR	070-0113
15	103930-20-704	EA ROD-DOOR-RECIRCULATING	073-0018
16	103930-55-707	EA DOOR - RECIRCULATION	071-0891
18	103930-01-710	EA RESISTOR-FUSED, A/C 4 TERM	035-0006
20	103930-01-711	EA THERMOSTAT	033-0003
21	103930-02-708	EA MOTOR-VACUUM SERVO, A/C	030-0025
22	103930-30-703	EA MOTOR - SERVO	030-0104
23	103930-20-707	EA HOUSING-BLOWER	062-0145
24	103930-55-703	EA MOTOR - BLOWER W/O PIGTAIL	030-0137
25	103930-01-717	EA WHEEL-BLOWER, CLOCKWISE	062-0010
26	103930-20-708	EA CLIP-MOTOR SHAFT	022-0001
27	103930-30-704	EA COVER - SERVO	062-0545
32	113245-01-707	EA O'RING #8	045-0126
33	103930-17-702	EA O'RING #10	045-0127
	103930-55-704	EA CORE-HEATER	042-0059
	110279-01-703	EA HOSE-VENT F/BLOWER MOTOR	051-0034
CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENT(S)			

KEY	PART NUMBER	U/M DESCRIPTION	VENDOR NO
	103930-17-702	EA O'RING #10	045-0127
	103930-59-700	EA HOSE - A/C-#12EVAP/COMP 80"	085-0574
	113245-01-710	EA O'RING, #12	045-0128



KEY	PART NUMBER	U/M	DESCRIPTION
	103930-02-707	EA	RELAY-BOSCH W/RESISTER
	103930-02-708	EA	MOTOR-VACUUM SERVO, A/C
	103930-02-710	EA	CANISTER-VACUUM
	103930-33-701	EA	MOTOR - VACUUM, 3 STAGE
	103930-33-703	EA	VACUUM HARNESS
	103930-49-701	EA	HARNESS - WIRE W/BULBS
	103930-49-704	EA	SWITCH - BLOWER
	103930-49-705	EA	POTENTIOMETER
	103930-49-706	EA	SWITCH - VACUUM
	103930-49-707	EA	DECAL CONTROL PANEL-N/RECESS
	103930-61-700	EA	PLENUM - TOP CASE
	103930-61-701	EA	PLENUM - LOWER CASE
	103930-61-702	EA	DOOR - HEAT/VENT
	103930-61-703	EA	ROD - DEF/HEAT DOOR
	103930-61-704	EA	DOOR - DEF/HEAT
	103930-61-705	EA	HOUSING ONLY - CONTROL PANEL
	103930-61-706	EA	KNOB - CONTROL
	103930-65-702	EA	CONTROL PANEL W/SWITCHES

KEY	PART NUMBER	U/M	DESCRIPTION
1	103930-39-705	EA	PLENUM - TOP
2	103930-04-700	EA	DOOR - DEFROSTER-A/C
3	103930-39-700	EA	ROD - DOOR - AC/HEAT
5	103930-02-708	EA	MOTOR-VACUUM SERVO, A/C
6	103930-39-706	EA	PLATE - DOOR - A/C
8	103930-39-707	EA	PLENUM - BOTTOM
9	103930-33-701	EA	MOTOR - VACUUM, 3 STAGE
10	103930-39-701	EA	ROD - DOOR - AC/DEFROST
11	103930-39-704	EA	SPRING
12	103930-02-707	EA	RELAY-BOSCH W/RESISTER
13	103930-02-710	EA	CANISTER-VACUUM
15	103930-33-703	EA	VACUUM HARNESS
18	103930-49-704	EA	SWITCH - BLOWER
19	103930-49-705	EA	POTENTIOMETER
20	103930-49-706	EA	SWITCH - VACUUM
21	103930-63-700	EA	DECAL CONTROL PANEL-N/RECESS
22	103930-49-708	EA	KNOB - BLOWER - NONRECESSED

CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENT(S)

103930-61-000

VENDOR NO.

031-0001

030-0025

054-0002

030-0105

036-0466

036-0557

032-0332

032-0182

032-0185

058-0144

060-00787

060-00788

071-01054

073-00086

071-01053

062-00615

062-00723

083-00308

103930-63-000

VENDOR NO.

060-0482

071-0149

073-067

030-0025

071-0623

060-0483

030-0105

073-0069

022-0119

031-0001

054-0002

036-0466

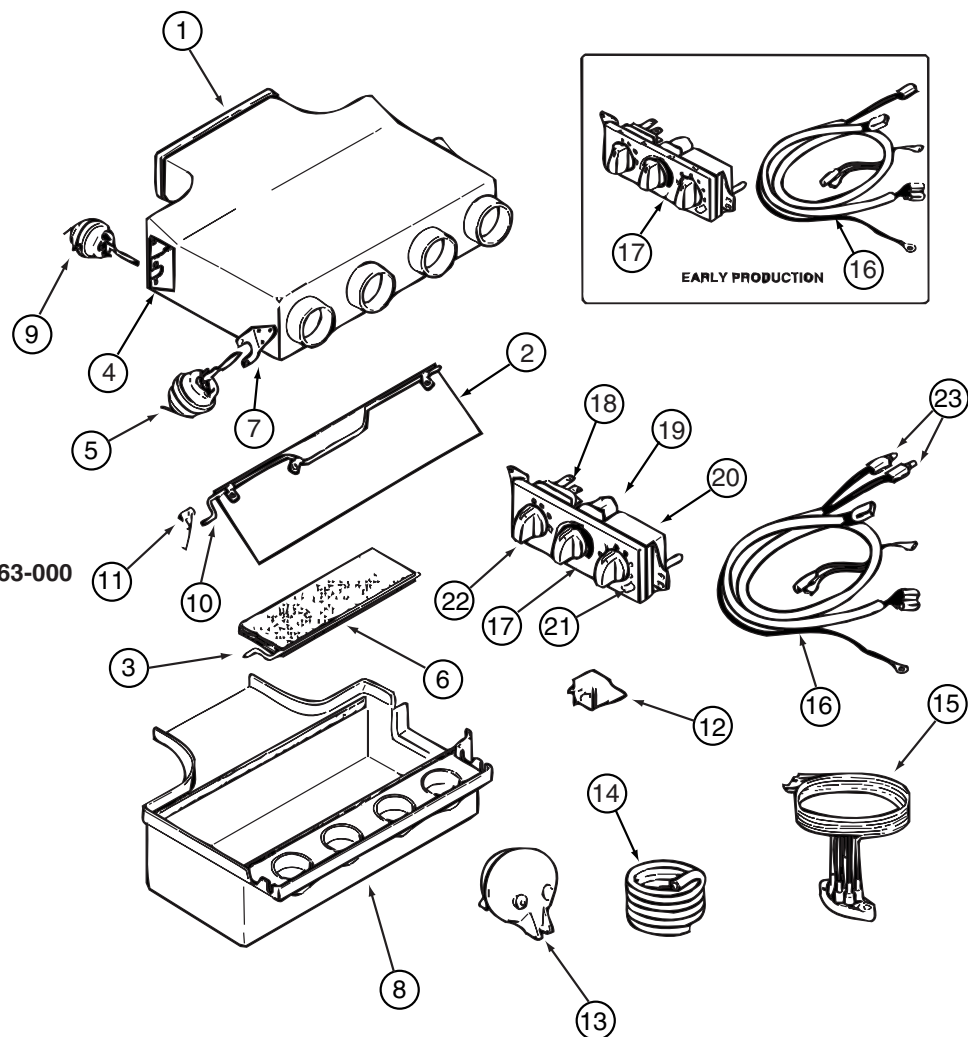
032-0332

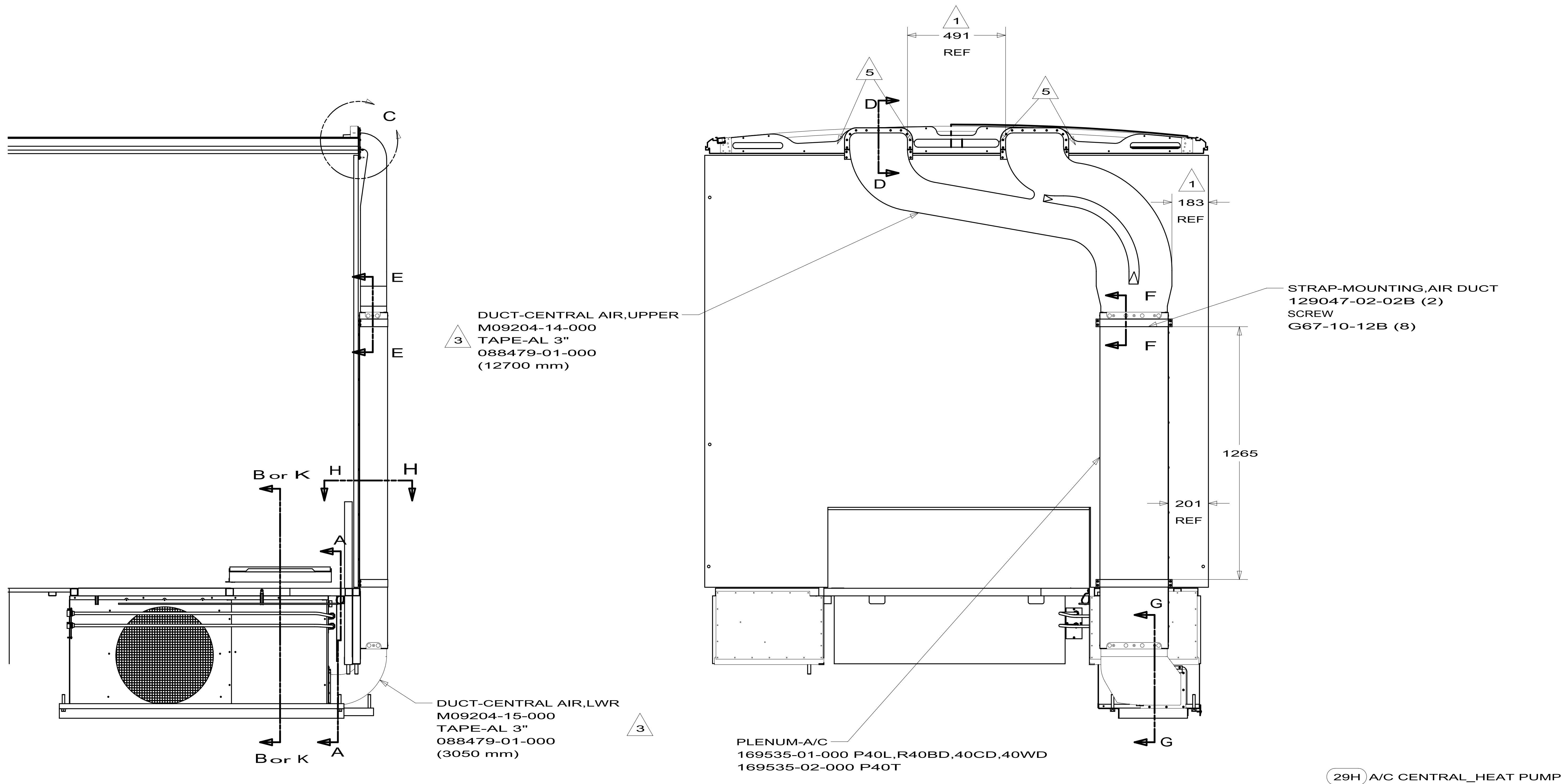
032-0182

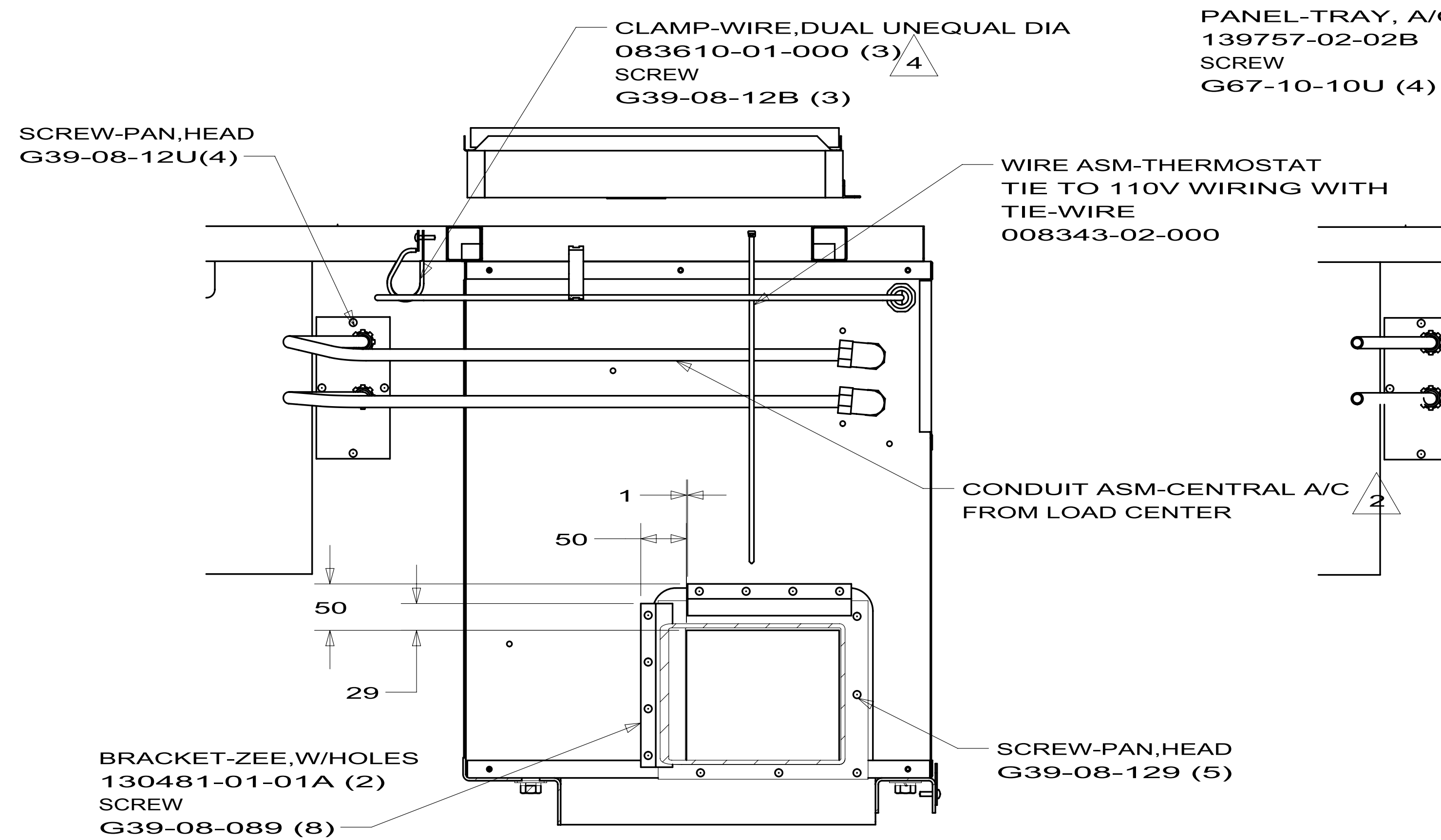
032-0185

058-00344

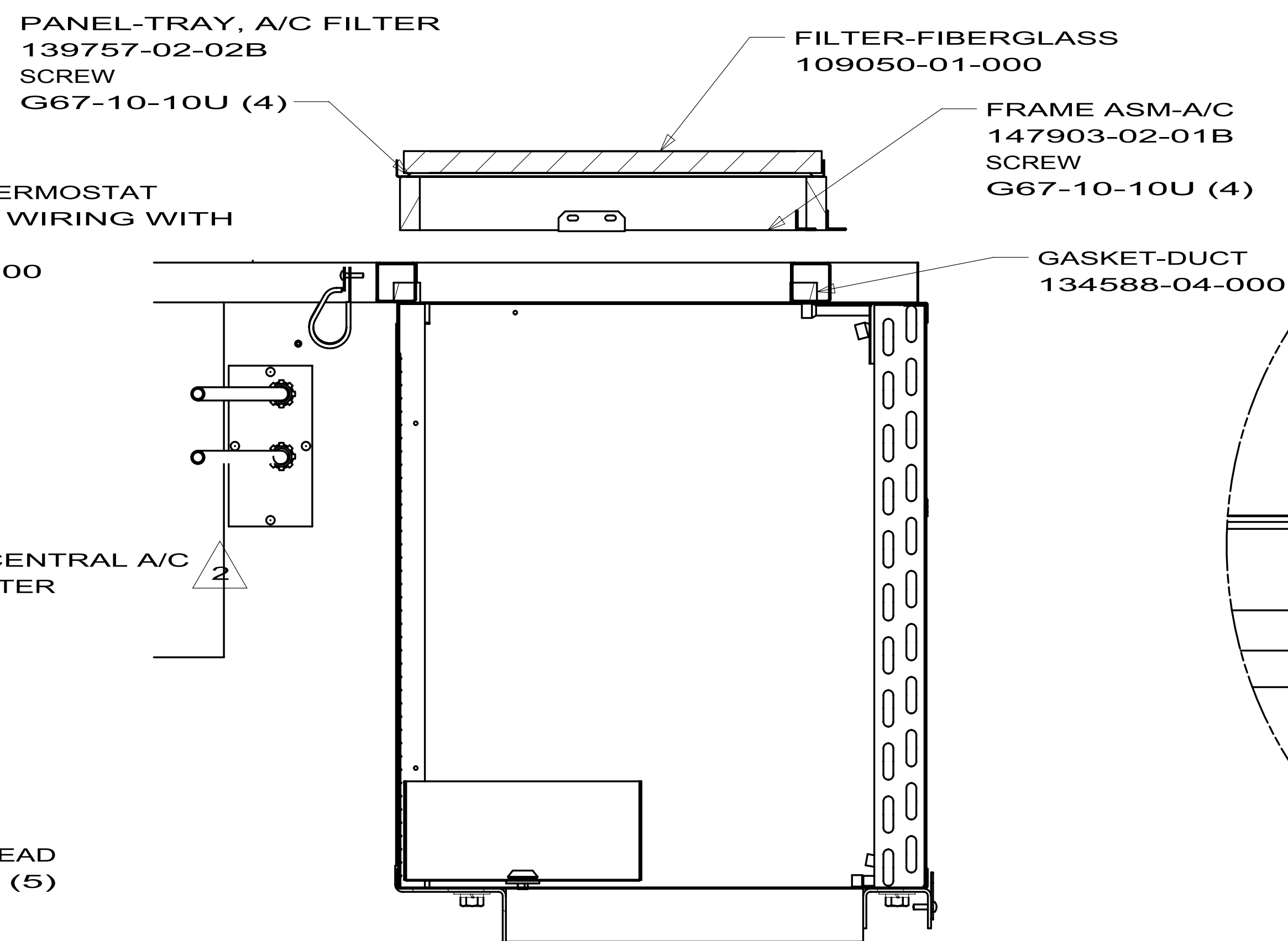
062-0620



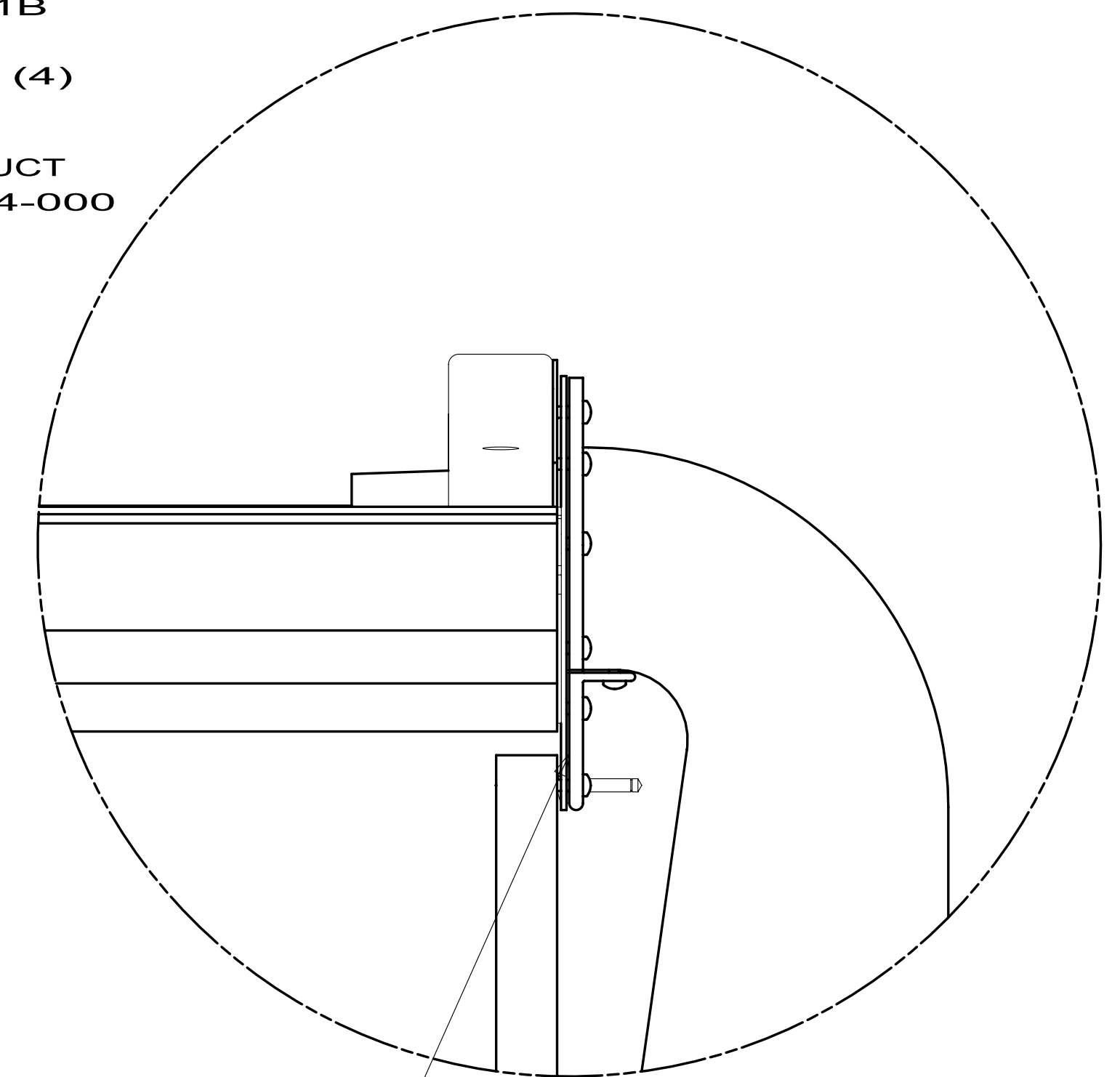




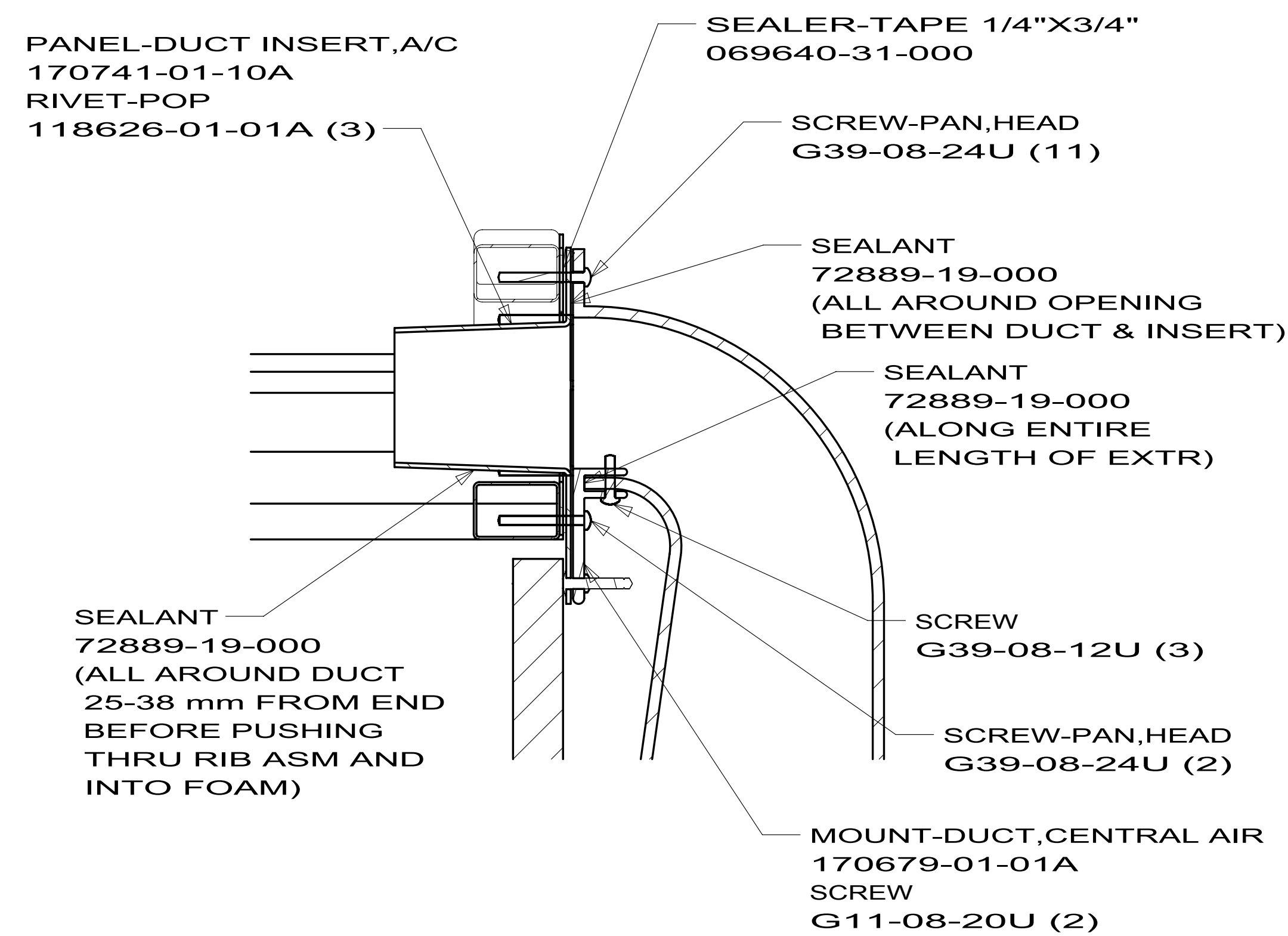
SECTION A-A



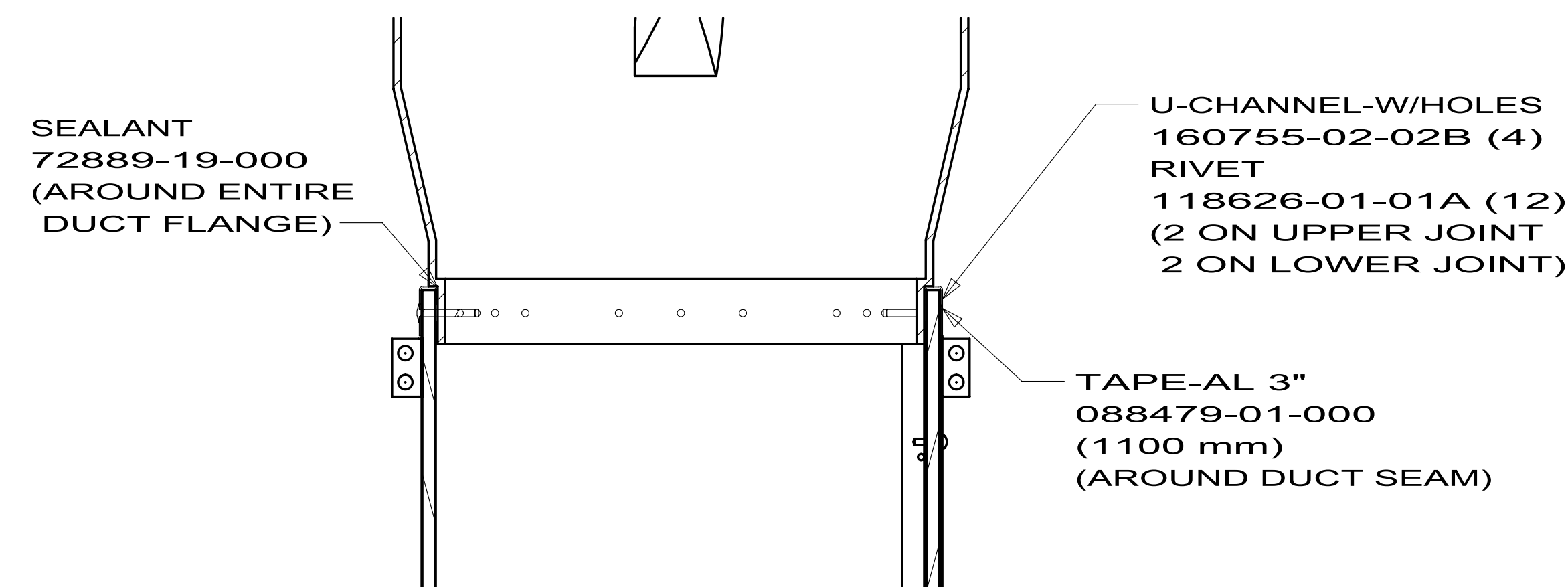
SECTION B-B



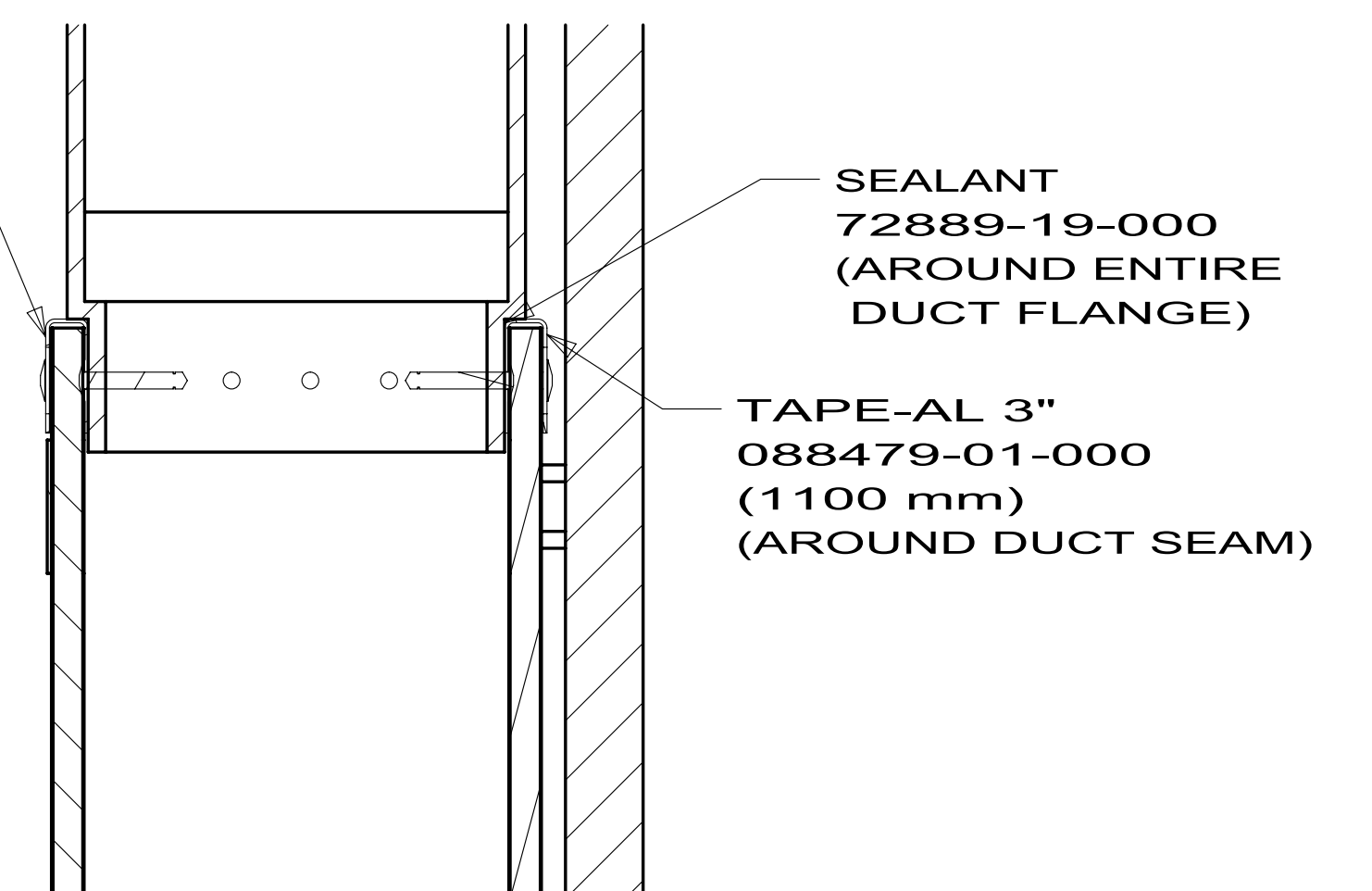
DETAIL C



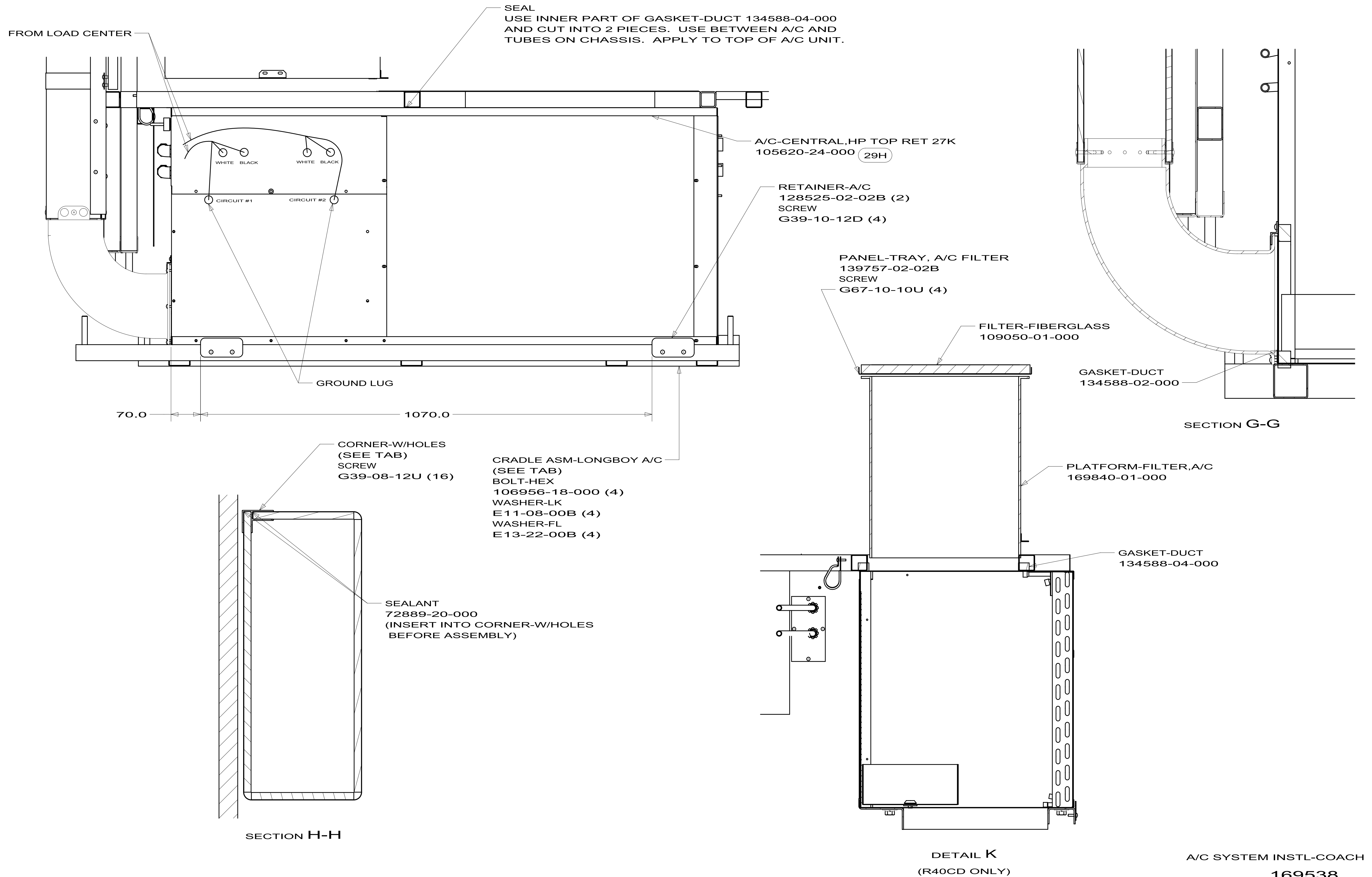
SECTION D-D
(2 PLACES)

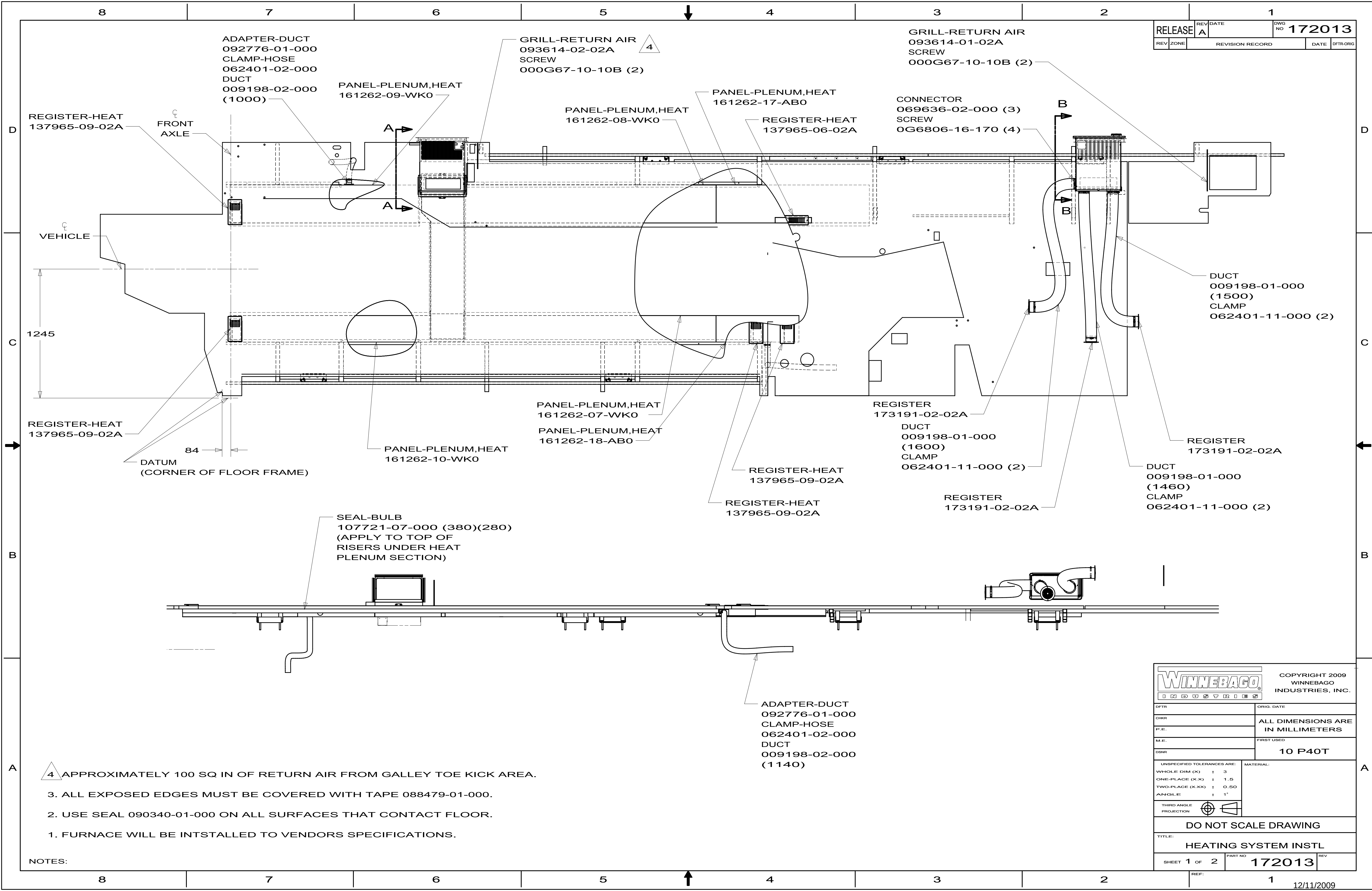


SECTION E-E



SECTION F-F





LUMBER
052372-C0-460
SCREW
000G67-08-32T (2)

FLOOR ASM-UPPER

SECTION A-A

SUPPORT ASM-FURNACE
148203-02-XXX
SCREW
000G67-10-10B (4)

BOTTOM DUCT KIT
143563-06-000
SCREW
000G39-08-08B (6)

FURNACE
143563-01-000
GASKET
143563-05-000
COLLAR
143563-04-000

DOOR-ACCESS,FURNACE
143563-03-02A
SCREW
000G39-10-10B (8)
EXTR-GARNISH
002726-51-007 (2)
SCREW
000G12-06-249 (4)
EXTR-GARNISH
002726-51-034 (2)

FLOOR ASM-UPPER

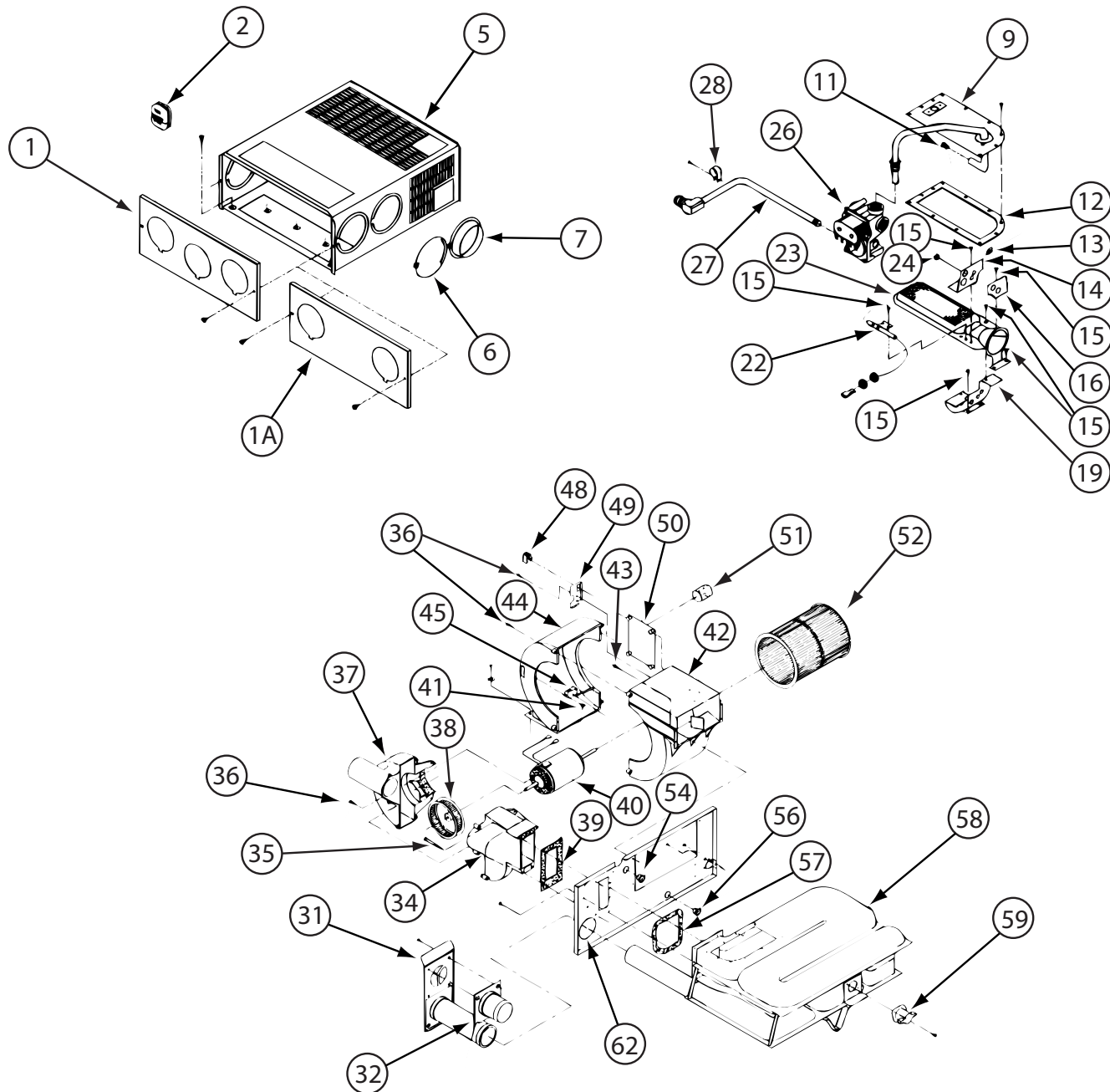
LUMBER
052372-D0-450
SCREW
000G67-08-32T(2)

SECTION B-B

DOOR-ACCESS,FURNACE
139980-10-03A
SCREW
000G39-10-10B (8)
EXTR-GARNISH
002726-51-007 (2)
SCREW
000G12-06-249 (4)
EXTR-GARNISH
002726-51-019 (2)

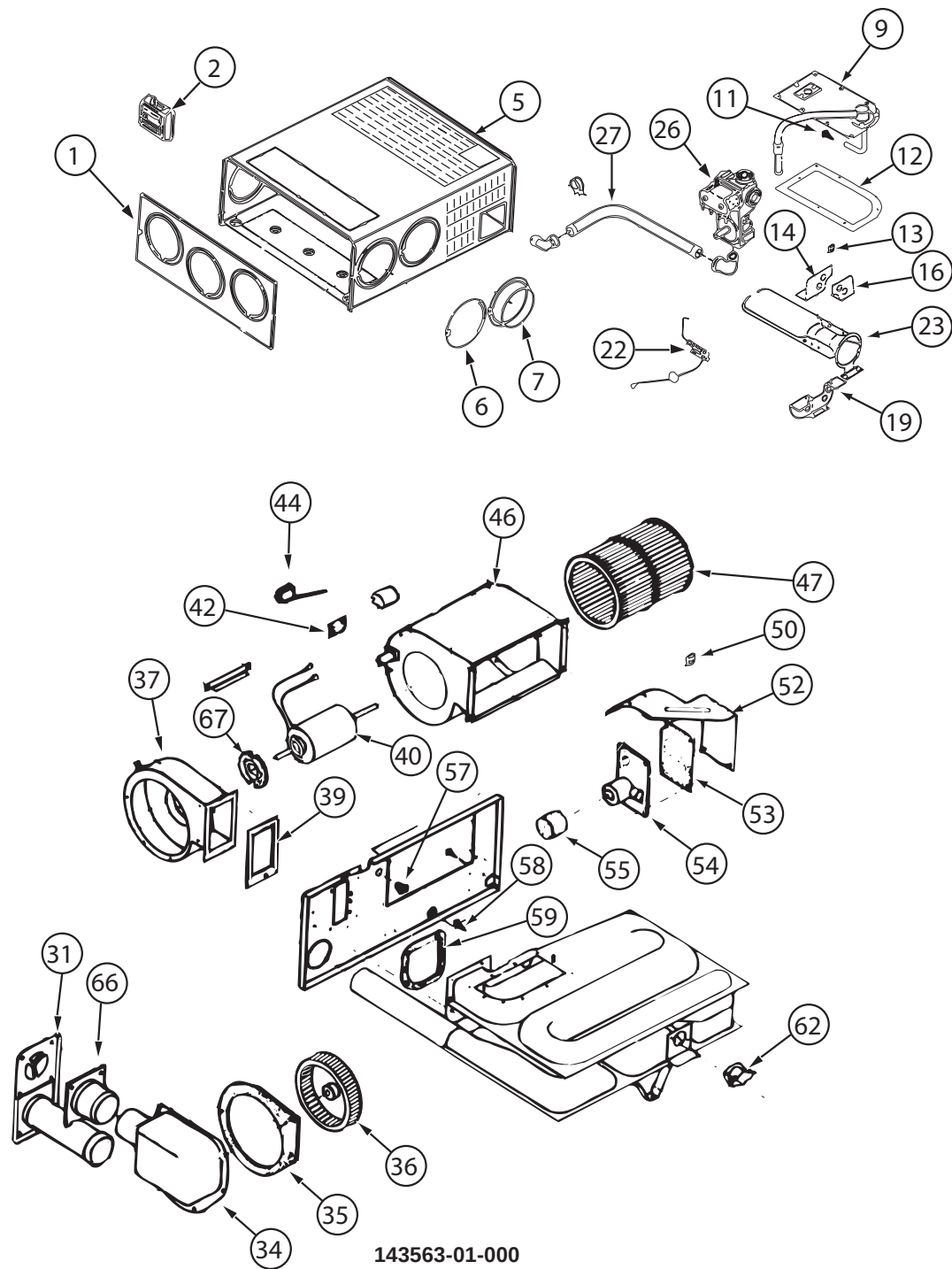
FURNACE
139980-15-000

FIRST USED		
10 P40T		
DO NOT SCALE DRAWING		
TITLE:		
HEATING SYSTEM INSTL		
SHEET 2	PART NO 172013	REV



139980-15-000

				139980-15-000 (CONTNUED)
KEY	PART NUMBER	U/M	DESCRIPTION	VENDOR NO.
5	098668-20-701	EA	CABINET - 30,000	101889
7	075696-02-703	EA	COLLAR-DUCT	050715
11	139980-15-703	EA	ORFICE - MAIN BURNER	180305
14	143563-02-702	EA	PLATE-SECONDARY AIR/TOP BACK	063198
16	143563-02-703	EA	PLATE-SECONDARY AIR/TOP FRT	062933
19	143563-02-704	EA	PLATE-SECONDARY AIR/BOTTOM	062935
22	139980-01-701	EA	ELECTRODE	232286
23	139980-15-704	EA	BURNER ASSEMBLY	010767
26	098668-01-718	EA	VALVE-GAS SF S.N.974903079	161122
31	139980-15-705	EA	VENT CAP & EXHAUST TUBE ASM	260553
32	098668-01-713	EA	TUBE ASSEMBLY, INTAKE	051248
34	139980-01-703	EA	COMBUSTION AIR HOUS FRT/HALF	390852
37	139980-15-701	EA	HOUSING/COMB/AIR - REAR/HALF	390849
38	139980-15-702	EA	WHEEL-COMBUSTION AIR	350189
39	139980-01-705	EA	GASKET/FIREWALL-COMB AIR	071084
40	139980-01-706	EA	MOTOR ASSEMBLY W/GASKET	232682
42	139980-02-701	EA	BLOWER ASM-1/2 HOUSING/INNER	390872
44	139980-02-700	EA	BLOWER ASM-1/2 HOUSING/OUTER	390851
45	098668-21-700	EA	SWITCH-MICRO-W/O FLAG 3 1/4"	232261
48	139980-01-710	EA	SWITCH - ON/OFF	232351
50	098668-22-705	EA	MODULE BD W/RELAY TIME DELAY	520820
51	139980-01-713	EA	CAP/INSULATOR-MODULE BD	070973
52	098668-01-711	EA	WHEEL-BLOWER, ROOM AIR	350129
59	139980-15-700	EA	SWITCH - LIMIT	232503
CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENTS				



143563-01-000

143563-01-000 (CONTINUED)

KEY	PART NUMBER	U/M	DESCRIPTION	VENDOR NO.
1	143563-01-700	EA	CABINET - FRONT	101907
2			SEE 12 VOLT WIRING AREAS FOR CORRECT THERMOSTAT	
5	143563-01-701	EA	CABINET	101921
7	075696-02-703	EA	COLLAR - DUCT	050715
9	143563-01-702	EA	MANIFOLD ASSEMBLY	171599
11	143563-01-703	EA	ORFICE - MAIN BURNER	180308
12	098668-22-703	EA	GASKET - BURNER ACCESS COVER	070811
14	143563-01-704	EA	PLATE - SECONDARY AIR/TOP BACK	063199
16	143563-01-705	EA	PLATE - SECONDARY AIR/TOP FRT	062936
19	143563-01-706	EA	PLATE - SECONDARY AIR/BOTTOM	062938
22	139980-01-701	EA	ELECTRODE	232286
23	098668-02-700	EA	BURNER ASSEMBLY,SF-30 & SF35	010745
26	098668-01-718	EA	VALVE-GAS SF S.N.974903079	161122
27	143563-01-707	EA	PIPE ASSEMBLY (GAS INLET)	171603
31	098668-01-707	EA	TUBE ASSEMBLY, EXHAUST W/CAP	260231
34	143563-01-708	EA	BOX ASM (COMB. AIR INTAKE)	051430BK
35	143563-01-709	EA	GASKET (COMB. AIR HOUSING)	071108
36	143563-01-710	EA	WHEEL (COMBUSTION AIR)	350199
37	143563-01-711	EA	HOUSING (COMBUSTION AIR)	390862BK
39	143563-01-715	EA	GASKET-FIREWALL/COMB. AIR	071107
40	143563-01-712	EA	MOTOR ASSEMBLY	232727
42	101990-01-714	EA	GASKET-MICROSWITCH	230877
44	098668-21-700	EA	SWITCH-MICRO-W/O FLAG 3 1/4"	232261
46	143563-01-713	EA	BLOWER ASSEMBLY(ROOM AIR)	390867BK
47	143563-01-714	EA	WHEEL - ROOM AIR	350198
50	139980-01-710	EA	SWITCH - ON/OFF	232351
52	139980-01-711	EA	PANEL ASSEMBLY-MODULE BD	101663
53	139980-01-712	EA	INSULATOR - MODULE BD	070807
54	098668-22-705	EA	MODULE BD W/RELAY TIME DELAY	520820
55	139980-01-713	EA	CAP/INSULATOR-MODULE BD	070973
57	139980-01-714	EA	BUSHING - UNIVERSAL	070362
58	139980-01-715	EA	BUSHING - STRAIN RELIEF	231809
59	098668-01-716	EA	GASKET-FIREWALL,CHAMBER SIDE	070808
62	098668-21-701	EA	SWITCH - LIMIT	232504
66	098668-01-713	EA	TUBE ASSEMBLY, INTAKE	051248
67	075697-07-703	EA	GASKET - MOTOR	070448
	143563-01-716	EA	CHAMBER ASM. - FINAL	
			CONTACT WINNEBAGO PART SALES FOR UNLISTED COMPONENT(S)	