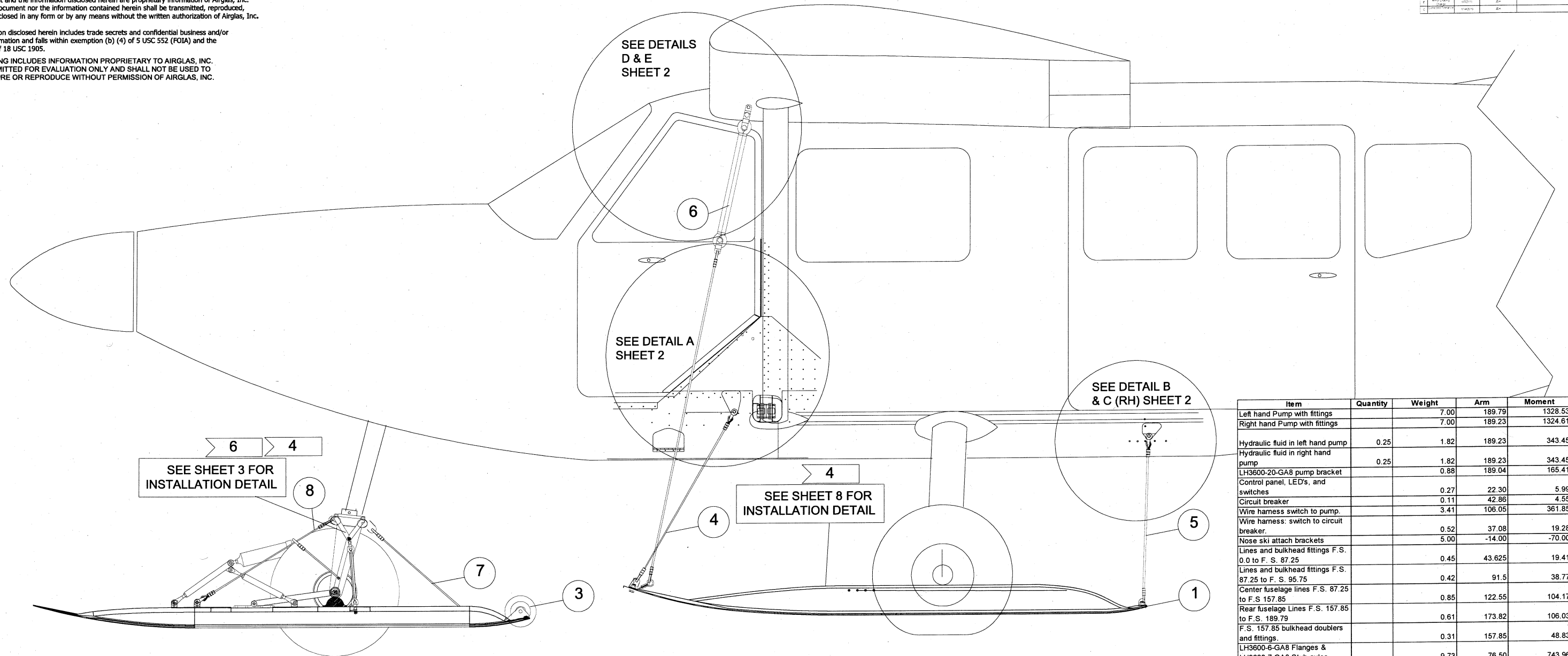


This document and the information disclosed herein are proprietary information of Airglas, Inc. Neither this document nor the information contained herein shall be transmitted, reproduced, copied, or disclosed in any form or by any means without the written authorization of Airglas, Inc.

The information disclosed herein includes trade secrets and confidential business and/or financial information and falls within exemption (b) (4) of 5 USC 552 (FOIA) and the prohibitions of 18 USC 1905.

THIS DRAWING INCLUDES INFORMATION PROPRIETARY TO AIRGLAS, INC. AND IS SUBMITTED FOR EVALUATION ONLY AND SHALL NOT BE USED TO MANUFACTURE OR REPRODUCE WITHOUT PERMISSION OF AIRGLAS, INC.



Item	Quantity	Weight	Arm	Moment
Left hand Pump with fittings		7.00	189.79	1328.53
Right hand Pump with fittings		7.00	189.23	1324.61
Hydraulic fluid in left hand pump	0.25	1.82	189.23	343.45
Hydraulic fluid in right hand pump	0.25	1.82	189.23	343.45
LH3600-20-GA8 pump bracket		0.88	189.04	165.41
Control panel, LED's, and switches		0.27	22.30	5.99
Circuit breaker		0.11	42.86	4.55
Wire harness switch to pump breaker		3.41	106.05	361.85
Wire harness: switch to circuit breaker		0.52	37.08	19.28
Nose ski attach brackets		5.00	-14.00	-70.00
Lines and bulkhead fittings F.S. 0.0 to F. S. 87.25		0.45	43.625	19.41
Lines and bulkhead fittings F.S. 87.25 to F. S. 95.75		0.42	91.5	38.77
Center fuselage lines F.S. 87.25 to F.S. 157.85		0.85	122.55	104.17
Rear fuselage Lines F.S. 157.85 to F.S. 189.79		0.61	173.82	106.03
F.S. 157.85 bulkhead doublers and fittings		0.31	157.85	48.83
LH3600-6-GA8 Flanges & LH3600-7-GA8 Stub axles		9.73	76.50	743.96
Forward fuselage rigging fittings		0.64	46.24	29.47
Rear fuselage rigging fittings		0.75	106.75	80.06
Bungee Brackets		1.05	49.99	52.48
RH Convex Mirror 35A-59402		0.37	66.36	24.47
LH Convex Mirror 35A-59402		0.37	46.86	17.28
LH4000 skis, rigging, and hoses	PAIR	164.00	76.50	12546.00
GLH3000-NG, rigging and hoses		73.00	-23.25	-1697.25
<b>Installation Total:</b>		280.35	56.86	15940.83
<b>INSTALLATION WEIGHT:</b>		280.35		
<b>INSTALLATION CG:</b>		56.86		

TYPICAL INSTALLATION WEIGHTS, ARMS, AND MOMENTS. WEIGHT SKIS PRIOR TO INSTALLATION

- NOTES:**
1. INSTALL HYDRAULIC SYSTEM IAW LH4000-GA8-HYD.
  2. INSTALL ELECTRIC SYSTEM IAW LH4000-GA8-7.
  3. INSTALL AEROCET INC. P/N 35A-59402 CONVEX MIRROR IAW SHEET 10 JUST AFT OF LIFT STRUT ON WING. ADJUST UNTIL MAIN AND NOSE SKI ARE VISIBLE FROM PILOTS SEAT.
  4. CONFIRM SKI DEFLECTIONS AFTER INSTALLATION USING CHART #1.
  5. SKI ANGLES MEASURED BETWEEN LEVELING POINTS ON FUSELAGE (PER AIRCRAFT SERVICE MANUAL) AND FLAT SURFACE ON SKI AFT OF TIRE CUT-OUT.
  6. TO PROVIDE MINIMUM SKI TO PROPELLER CLEARANCE NOSE SKI TIP UP LIMITED TO 3.2 ° NOSE UP WITH TIRE PROTRUDING AND RIGGER FULLY COMPRESSED.
  7. PA32-206LA-GA8 NOSE FORK AND 8.50 X 6 SIX PLY TIRES MUST BE INSTALLED IAW STC SA02441AK. MINIMUM TIRE PRESSURE 35 PSI.
  8. ALL ANGLE MEASUREMENT ARE DONE USING A DIGITAL LEVEL.

NO	QTY	CODE-IDENT-NO	PART NO.	DESCRIPTION	NOTES
9	2	35A-59402		CONVEX MIRROR	(NOT SHOWN)
8	1	17564	GLH3000-GA8-15	SAFETY CABLE ASSY. NOSE SKI	
7	1	17564	GLH3000-GA8-13	CHECK CABLE ASSY. NOSE SKI	
6	2	17564	LH4000-GA8-14	BUNGEE ASSY. MAIN SKI	
5	1	17564	LH4000-GA8-13L	CHECK CABLE ASSY. MAIN SKI	
4	2	17564	LH4000-GA8-15	SAFETY CABLE ASSY. MAIN SKI	
3	1	17564	GLH3000-NS	NOSE SKI	
2	1	17564	LH4000-GA8-1	LEFT SKI	
1	1	17564	LH4000-GA8-2	RIGHT SKI	(NOT SHOWN)
X		17564	LH4000-GA8	SKI KIT	
<b>BILL OF MATERIALS - QUANTITY FOR SKI KIT (3 SKIS)</b>					
<p><b>Airglas, Inc.</b> Anchorage, Alaska</p> <p>GLH3000 NOSE AND LH4000 MAIN SKI INSTALLATION ON GIPPSAERO GA8 SERIES</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS 3/16" ± .001 1/8" ± .002 1/4" ± .003 3/8" ± .004 1/2" ± .005 3/4" ± .006 1" ± .007 1 1/4" ± .008 1 3/4" ± .009 2" ± .010</p> <p>HEAT TREAT: MIL - H - 6875 STEEL MIL - H - 6089 ALUM. MIL - H - 8857 MAG. CAST</p> <p>GOV. SPEC. MATERIAL</p> <p>Approved by: JDH Checked by: JDH Drawn by: CDB Date: FEB 14, 2018</p> <p>USED ON NEXT ASSY. APPLICATION</p>					

FLIGHT ANGLE SKI HANGING BY YOKE SAFETY CABLE AND SAFETY CABLE (TIP DOWN)	7 MINIMUM 8.5 MAXIMUM	NOT APPLICABLE		FLIGHT ANGLE SKI HANGING BY YOKE SAFETY CABLE AND SAFETY CABLE (TIP DOWN)			
BUNGEE CABLE FLIGHT LOAD (WHEEL POSITION)	NOT APPLICABLE	80 LBS. MINIMUM 100 LBS. MAXIMUM	MEASURE TENSION ON CRUST CUTTER CABLE USING CABLE TENSIO METER	SKI TIP DOWN WHEEL POSITION	12.6		MEASURE WITH SCALE APPLIED TO TIP OF SKI
SKI TIP UP ANGLE (SKI POSITION)	0 MINIMUM 5 MAXIMUM	NOT REQUIRED		SKI TIP UP ANGLE (SKI POSITION)	3.0/3.5		
SKI TIP UP ANGLE (WHEEL POSITION)	5 MINIMUM 15 MAXIMUM	NOT REQUIRED		SKI TIP UP ANGLE (WHEEL POSITION)	3.0/3.5		
SKI TIP DOWN ANGLE (SKI POSITION)	10 MINIMUM 15 MAXIMUM	NOT REQUIRED		SKI TIP DOWN ANGLE (SKI POSITION)	4.5		
SKI TIP DOWN ANGLE (WHEEL POSITION)	15 MINIMUM 25 MAXIMUM	NOT REQUIRED		SKI TIP DOWN ANGLE (WHEEL POSITION)			
POSITION	ANGLE MAX/MIN	BUNGEE LOAD MAX/MIN	NOTES	POSITION	ANGLE MAX/MIN	BUNGEE LOAD MAX/MIN	NOTES

CHART 1 - SKI RIGGING CHECK