

ROUTINE ACTION

DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
RADM WILLIAM A MOFFET BUILDING
47123 BUSE ROAD, BLDG 2272
PATUXENT RIVER, MD 20670-1547

Cognizant Code(s): AIR-4.8.7.3.0
Issue Date: 15 November 2005
Target Completion Date: 31 December 2007

DISTRIBUTION STATEMENT C: Distribution authorized to U.S. Government agencies and their contractors to protect publications required for official use or for administrative or operational purposes only, effective 15 November 2005. Other requests for the document shall be referred to Commanding Officer, Naval Air Technical Data and Engineering Service Command (NATEC), Naval Air Station North Island, Building 90, P.O. Box 357031, Building 90 Distribution, San Diego, California 92135-7031

DESTRUCTION NOTICE: For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

SUPPORT EQUIPMENT CHANGE NO. 5698 (TDC 62)

SUBJECT: SIDE OPENING MOBILE FACILITY W/CASS RF HPDTS, MODIFICATION OF (WUC 33AJ0)

REFERENCES: (a) NAVAIR Depot North Island ECP 91145/1006-04, dated 17 March 2005
(b) NAVAIR CCB 2005AIR0110380, approved 19 April 2005
(c) PMA260 Implementation Letter Ser PMA260D34/5163, dated 19 April 2005

ENCLOSURES: (1) CAGE Code 91145, Drawing Number MFKA100161 Rev D, CASS RF W/
HPDTS TEST STATION MF B PLUMBING UPGRADE

DOCUMENTATION AFFECTED: NAVAIR Technical Manual 16-35HX500.1

PURPOSE OF DIRECTIVE: The purpose of this change is to retrofit seventeen Side Opening Mobile Facilities (SOMFs) housing CASS RF with the HPDTS ATE. This change was proposed by reference (a), approved by reference (b), and authorized by reference (c).

SUPPORT EQUIPMENT CHANGE NO. 5698

APPLICATION:

1. BASIC EQUIPMENT:

<u>KIT</u>	<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>TEC</u>	<u>CAGE</u>	<u>SITE</u>	<u>SERIAL NO.</u>
A1	MFKA100101-1 Rev G	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-31	MSC-165
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	ELU-2	MSC-018

<u>KIT</u>	<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>TEC</u>	<u>CAGE</u>	<u>SITE</u>	<u>SERIAL NO.</u>
A2	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-14	MSC-017
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-14	MSC-020
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-11	MSC-022
	MFKA100101-1 Rev A	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-12	MSC-113

<u>KIT</u>	<u>PART NO.</u>	<u>NOMENCLATURE</u>	<u>TEC</u>	<u>CAGE</u>	<u>SITE</u>	<u>SERIAL NO.</u>
A3	MFKA100101-1 Rev A	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-12	GSG-014
	MFKA100101-1 Rev A	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-12	MSC-023
	MFKA100101-1 Rev A	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-14	MSC-024
	MFKA100101-1 Rev A	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-14	MSC-019
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-13	MSC-008
	MFKA100101-1 Rev E	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-13	MSC-005
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-31	MSC-009
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-31	MSC-012
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-11	MSC-013
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-11	MSC-014
	MFKA100101-1 Rev F	CASS RF W/HPDTS Test Station MF B	GMJV	91145	MALS-41	MSC-015

2. TRAINERS: Not Applicable.

3. SPARES: Not Applicable.

COMPLIANCE: Work Center 990 personnel of each affected MALS unit shall incorporate this change. Incorporation will be scheduled by NAVAIR DEPOT NORIS Air 6.7.6.2.

SUPPORT EQUIPMENT CHANGE NO. 5698

MAN-HOURS REQUIRED:

1. BASIC EQUIPMENT:

<u>KIT IDENT NO.</u>	<u>KIT NO.</u>	<u>NO. OF MEN</u>	<u>SKILL</u>	<u>TOTAL MAN-HOURS</u>
5698LKA143443SX	A1	1	Support equip. Technician (6073)	8.0
5698LKA243444SX	A2	1	Support equip. Technician (6073)	12.0
5698LKA343445SX	A3	1	Support equip. Technician (6073)	16.0

2. TRAINERS: Not Applicable

3. SPARES: Not Applicable

SUPPLY DATA:

1. BASIC EQUIPMENT:

<u>QTY</u>	<u>PART NUMBER</u>	<u>CAGE CODE</u>	<u>NOMEN</u>	<u>SM&R</u>	<u>NSN</u>	<u>SOURCE</u>
2	5698LKA143443SX	30003	A1	15" x 20" x 6"	10 lbs	(1)

Consists of: (See Figure 1)

<u>QTY</u>	<u>PART NUMBER</u>	<u>CAGE CODE</u>	<u>NOMEN</u>	<u>NSN</u>
2	25-1009A-02L- XBDGA-160	38056	GAGE, PRESSURE, DIAL	6685-00-995-3038
2	2203P-12	93061	UNION TEE	TBD
2	209P-12-4	93061	BUSHING	4730-01-235-5782
2	FD45-1004-16-16	01276	QUICK DISCONNECT COUPLING	4730-01-037-4932
2	FD45-1005-16-16	01276	QUICK DISCONNECT COUPLING	4730-01-038-0461
2	5485K251	39428	HEX NIPPLE, BRASS	4730-01-297-9073
2	2404-16-16-SS	1XEV8	ADAPTER, MALE	4730-01-459-7679
1	MFKA100162-1	91145	BULKHEAD FITTINGS AND MOUNT ASSEMBLY	TBD
AR	4592K34	39428	PIPE THREAD SEALANT	TBD
AR	MIL-S-8802	81349	SEALING COMPOUND	8030-00-152-0012
12	M24243/6A606H	81349	RIVET, BLIND	5320-00-882-8385

<u>QTY</u>	<u>PART NUMBER</u>	<u>CAGE CODE</u>	<u>NOMEN</u>	<u>SM&R</u>	<u>NSN</u>	<u>SOURCE</u>
4	5698LKA243443SX	30003	A2	24" x 24" x 6"	15 lbs	(1)

Consists of: (See Figure 2)

<u>QTY</u>	<u>PART NUMBER</u>	<u>CAGE CODE</u>	<u>NOMEN</u>	<u>NSN</u>
1	4464K15	39428	ELBOW 90°	4730-01-300-4090
1	4830K194	39428	NIPPLE	4730-01-305-8658
1	245VL	70411	DRAIN COCK	4820-00-720-4488
1	35581-01	15472	FILTER BRACKET	TBD

SUPPORT EQUIPMENT CHANGE NO. 5698

1	DPPPV1	15472	FILTER ELEMENT	TBD
1	44152-01	15472	FILTER HOUSING	4330-01-304-2677
2	25-1009A-02L- XBDGA-160	38056	GAGE, PRESSURE, DIAL	6685-00-995-3038
2	2203P-12	93061	UNION TEE	TBD
2	209P-12-4	93061	BUSHING	4730-01-235-5782
2	FD45-1004-16-16	01276	QUICK DISCONNECT COUPLING	4730-01-037-4932
2	FD45-1005-16-16	01276	QUICK DISCONNECT COUPLING	4730-01-038-0461
1	MFKA100221-9	91145	HOSE ASSEMBLY	TBD
3	5485K251	39428	HEX NIPPLE, BRASS	4730-01-297-9073
4	2404-16-12-SS	1XEV8	ADAPTER, MALE	4730-00-946-4859
2	2404-16-16-SS	1XEV8	ADAPTER, MALE	4730-01-459-7679
1	MFKA100162-1	91145	BLKHD FITTINGS AND MOUNT ASSEMBLY	TBD
3	MS27130-S47	96906	NUT, PLAIN, BLIND RIVET	5310-01-038-9577
3	MS35338-45	96906	WASHER, LOCK	5310-01-481-2921
3	MS90725-38	96906	SCREW, CAP, HEXAGON HEAD	5306-00-225-8502
AR	4592K34	39428	PIPE THREAD SEALANT	TBD
AR	MIL-S-8802	81349	SEALING COMPND	8030-00-152-0012
12	M24243/6A606H	81349	RIVET, BLIND	5320-00-882-8385

<u>QTY</u>	<u>PART NUMBER</u>	<u>CAGE CODE</u>	<u>NOMEN</u>	<u>SM&R</u>	<u>NSN</u>	<u>SOURCE</u>
11	5698LKA343443SX	30003	A3	24" x 24" x 6"	25 lbs	(1)

Consists of: (See Figure 3)

1	4464K15	39428	ELBOW 90°	4730-01-300-4090
1	4830K194	39428	NIPPLE	4730-01-305-8658
1	245VL	70411	DRAIN COCK	4820-00-720-4488
1	35581-01	15472	FILTER BRACKET	TBD
1	DPPPV1	15472	FILTER ELEMENT	TBD
1	44152-01	15472	FILTER HOUSING	4330-01-304-2677
2	25-1009A-02L- XBDGA-160	38056	GAGE, PRESSURE, DIAL	6685-00-995-3038
2	2203P-12	93061	UNION TEE	TBD
2	209P-12-4	93061	BUSHING	4730-01-235-5782
2	FD45-1004-16-16	01276	QUICK DISCONNECT COUPLING	4730-01-037-4932
2	FD45-1005-16-16	01276	QUICK DISCONNECT COUPLING	4730-01-038-0461
1	MFKA100221-9	91145	HOSE ASSEMBLY	TBD
2	MFKA100221-5	91145	HOSE ASSEMBLY	TBD
2	MFKA100221-7	91145	HOSE ASSEMBLY	TBD
3	5485K251	39428	HEX NIPPLE, BRASS	4730-01-297-9073
1	2307-1241-3/4	90800	REGULATOR	TBD
4	2404-16-12-SS	1XEV8	ADAPTER, MALE	4730-00-946-4859
4	2404-16-16-SS	1XEV8	ADAPTER, MALE	4730-01-459-7679
1	MFKA100162-1	91145	BULKHD FITTINGS AND MOUNT ASSEMBLY	TBD

SUPPORT EQUIPMENT CHANGE NO. 5698

3	MS27130-S47	96906	NUT, PLAIN, BLIND RIVET	5310-01-038-9577
3	MS35338-45	96906	WASHER, LOCK	5310-01-481-2921
3	MS90725-38	96906	SCREW, CAP, HEXAGON HEAD	5306-00-225-8502
AR	4592K34	39428	PIPE THREAD SEALANT	TBD
AR	MIL-S-8802	81349	SEALING COMPND	8030-00-152-0012
12	M24243/6A606H	81349	RIVET, BLIND	5320-00-882-8385

a. SOURCE OF SUPPLY

(1) Kits will be shipped by NAVAIR DEPOT NORIS Air 6.7.6.2 in accordance with compliance schedule. Kit POC is Hector Saldavar (619)545-4000, email hector.saldavar@navy.mil.

b. PARTS/MATERIAL REMOVED AND DISPOSITION:

<u>QTY</u>	<u>PART NO.</u>	<u>CAGE</u>	<u>NOMEN.</u>	<u>NSN</u>	<u>DISPOSITION</u>
1	MFKA100220-13	91145	SLEEVES AND MOUNT ASSY	N/A	(A)
1	MFKA100162-1	91145	BULKHEAD FITTINGS AND MOUNT ASSY	N/A	(A)
2	5680K35-60	39428	BRAIDED HOSE ASSY	N/A	(A)
2	5680K35-180	39428	BRAIDED HOSE ASSY	N/A	(A)

Disposition: (A) Dispose of IAW local regulations.

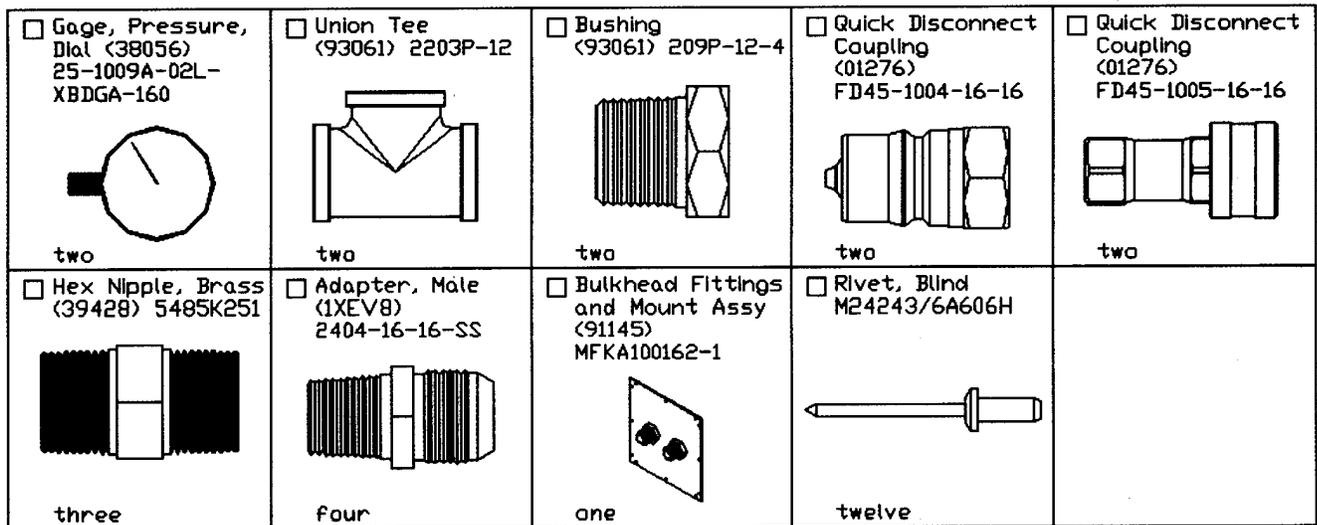


Figure 1. Illustration of basic equipment for Kit No. A1

SUPPORT EQUIPMENT CHANGE NO. 5698

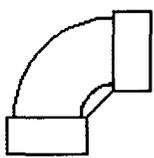
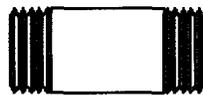
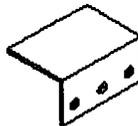
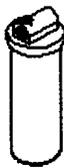
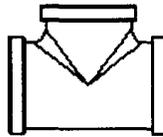
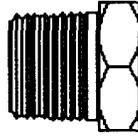
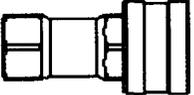
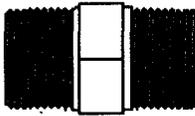
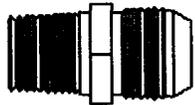
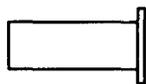
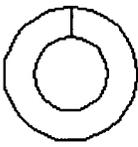
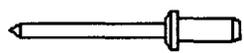
<input type="checkbox"/> Elbow, 90° (39428) 4464K15  one	<input type="checkbox"/> Nipple (39428) 4830K194  one	<input type="checkbox"/> Drain Cock (70411) 245VL  one	<input type="checkbox"/> Filter Bracket (15472) 35581-01  one	<input type="checkbox"/> Filter Element (15472) DPPPV1  one
<input type="checkbox"/> Filter Housing (15472) 44152-01  one	<input type="checkbox"/> Gage, Pressure, Dial (98056) 25-1009A-02L-XBDGA-160  two	<input type="checkbox"/> Union Tee (93061) 2203P-12  two	<input type="checkbox"/> Bushing (93061) 209P-12-4  two	<input type="checkbox"/> Quick Disconnect Coupling (01276) FD45-1004-16-16  two
<input type="checkbox"/> Quick Disconnect Coupling (01276) FD45-1005-16-16  two	<input type="checkbox"/> Hose Assy (91145) MFKA100221-9  one	<input type="checkbox"/> Hex Nipple, Brass (39428) 5485K251  three	<input type="checkbox"/> Adapter, Male (1XEV8) 2404-16-12-SS  four	<input type="checkbox"/> Adapter, Male (1XEV8) 2404-16-16-SS  two
<input type="checkbox"/> Bulkhead Fittings and Mount Assy (91145) MFKA100162-1  one	<input type="checkbox"/> Nut, Plain, Blind Rivet MS27130-S47  three	<input type="checkbox"/> Washer, Lock MS35338-45  three	<input type="checkbox"/> Screw, Cap, Hexagon Head MS90725-38  three	<input type="checkbox"/> Rivet, Blind M24243/6A606H  twelve

Figure 2. Illustration of basic equipment for Kit No.A2

SUPPORT EQUIPMENT CHANGE NO. 5698

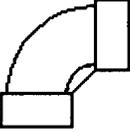
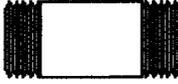
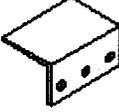
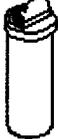
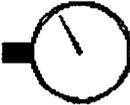
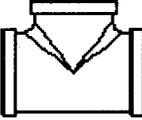
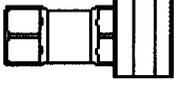
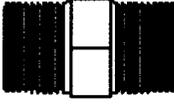
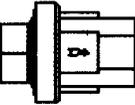
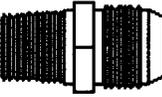
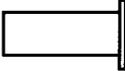
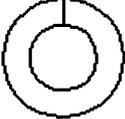
<input type="checkbox"/> Elbow, 90° (39428) 4464K15  one	<input type="checkbox"/> Nipple (39428) 4830K194  one	<input type="checkbox"/> Drain Cock (70411) 245VL  one	<input type="checkbox"/> Filter Bracket (15472) 35581-01  one	<input type="checkbox"/> Filter Element (15472) DPPPV1  one
<input type="checkbox"/> Filter Housing (15472) 44152-01  one	<input type="checkbox"/> Gage, Pressure, Dial (38056) 25-1009A-02L-XBDGA-160  two	<input type="checkbox"/> Union Tee (93061) 2203P-12  two	<input type="checkbox"/> Bushing (93061) 209P-12-4  two	
<input type="checkbox"/> Quick Disconnect Coupling (01276) FD45-1004-16-16  two	<input type="checkbox"/> Quick Disconnect Coupling (01276) FD45-1005-16-16  two	<input type="checkbox"/> Hose Assy (91145) MFKA100221-9  one	<input type="checkbox"/> Hose Assy (91145) MFKA100221-5  two	<input type="checkbox"/> Hose Assy (91145) MFKA100221-7  two
<input type="checkbox"/> Hex Nipple, Brass (39428) 5485K251  three	<input type="checkbox"/> Regulator (90800) 2307-1241-3/4  one	<input type="checkbox"/> Adapter, Male (1XEV8) 2404-16-12-SS  four	<input type="checkbox"/> Adapter, Male (1XEV8) 2404-16-16-SS  four	<input type="checkbox"/> Bulkhead Fittings and Mount Assy (91145) MFKA100162-1  one
<input type="checkbox"/> Nut, Plain, Blind Rivet MS27130-S47  three	<input type="checkbox"/> Washer, Lock MS35338-45  three	<input type="checkbox"/> Screw, Cap, Hexagon Head MS90725-38  three	<input type="checkbox"/> Rivet, Blind M24243/6AG06H  twelve	

Figure 3. Illustrations of basic equipment for Kit No. A3

REIDENTIFICATION OF ITEMS OF SUPPLY: Not Applicable

DETAILED INSTRUCTIONS:

KIT NO. A3

- Use Kit No. A3 and the following instructions for Side Opening Mobile Facility with Serial Numbers:

GSG-014	MSC-009	MSC-023	MSC-012	MSC-008	MSC-005
MSC-024	MSC-013	MSC-019	MSC-014	MSC-015	

SUPPORT EQUIPMENT CHANGE NO. 5698

2. Power down the Water Chiller Unit (WCU)
 - a. To stop the unit, place the OFF ON switch to the OFF position. The controller will flash OFF for thirty seconds while the unit goes through a “pump down” cycle.

CAUTION

Turning off the unit using any other procedure bypasses the pump down cycle and could damage the pump.

Once the cooling system has been turned off, it should remain off for approximately 10 minutes before attempting to restart. Failure to allow this time for pressure equalization within the refrigeration system could cause the compressors to cycle their overloads.

- b. Position the WCU supply and return hose valves to the off position.
 - c. Position HV8 (Chilled Water Return), HV9 (Chilled Water Supply) in the (OFF) position located at the rear of the LCU.
3. Remove and scrap all hoses, regulator, and fittings.
4. Remove preexisting .25-inch aluminum plate and nipples by removing blind rivets if riveted or by cutting a 6-inch x 6-inch cutout.
5. Take note of the color of the bulkhead fittings and mount assembly plate. Green side goes to the interior side and white goes to the exterior side of the mobile facility.
6. Install bulkhead fittings and mount assembly.
7. Secure bulkhead fittings and mount assembly with twelve blind rivets (See Figure 4). Seal all around the edges of the plate and blind rivets with sealing compound.

SUPPORT EQUIPMENT CHANGE NO. 5698

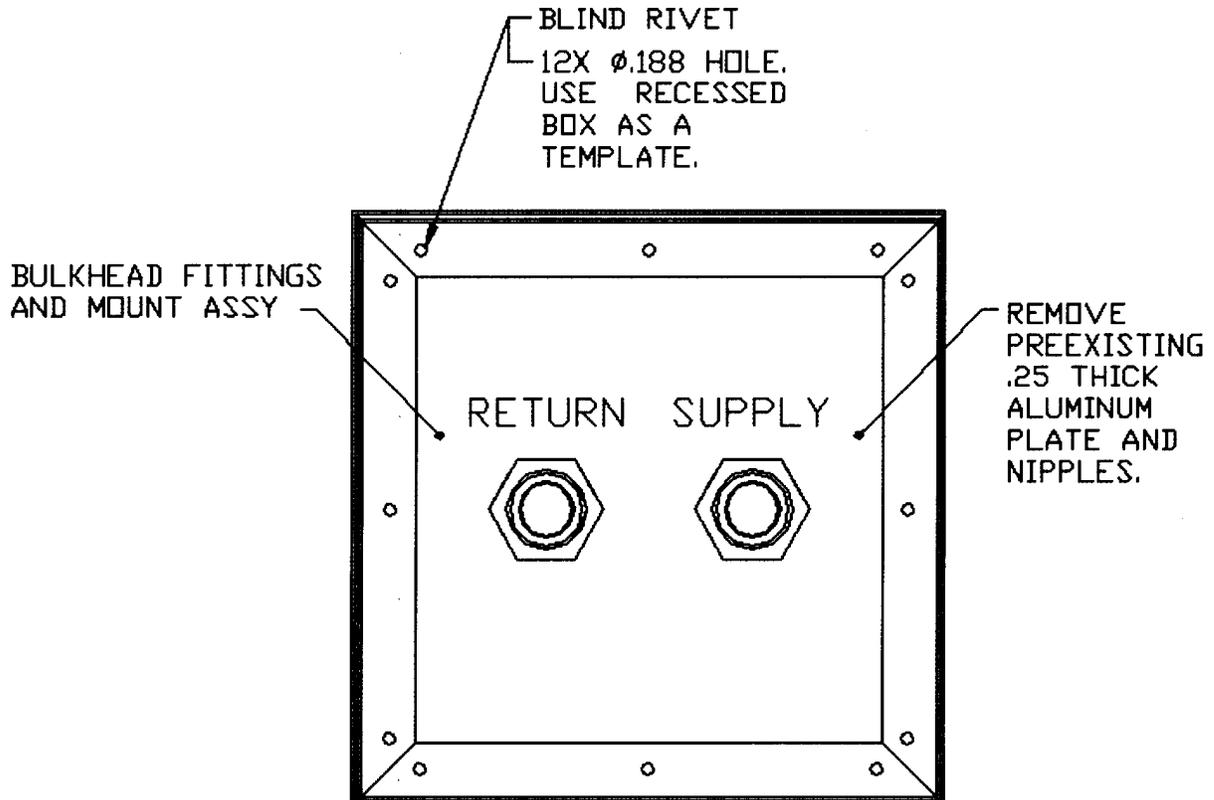


Figure 4. Bulkhead Fittings and Mount Assembly Installation
Interior View

8. Install filter bracket. Use filter bracket as template to locate holes.
9. Locate filter bracket using dimensions shown in Figure 5.
10. Install filter housing to the filter bracket and secure with two bolts. Bolts are shipped and packed with the filter bracket. Note arrow marking on filter head, arrow direction indicates flow through the filter. Arrow should be pointing to the right once installed.
11. Unscrew ring nut from head and slide sump down off the filter head. Use the tool that comes with the filter housing to unscrew ring nut.
12. Install new cartridge. Ensure sump-to-head o-ring gasket is present before tightening ring nut.
13. Note that all fittings with National Pipe Tapered (NPT) thread require Teflon tape before screwing onto pipe threads, while the 37° seat fittings do not require any Teflon tape or pipe thread sealant. The three brass hex nipples provided in this kit come with pipe thread sealant, and no Teflon tape is required.

SUPPORT EQUIPMENT CHANGE NO. 5698

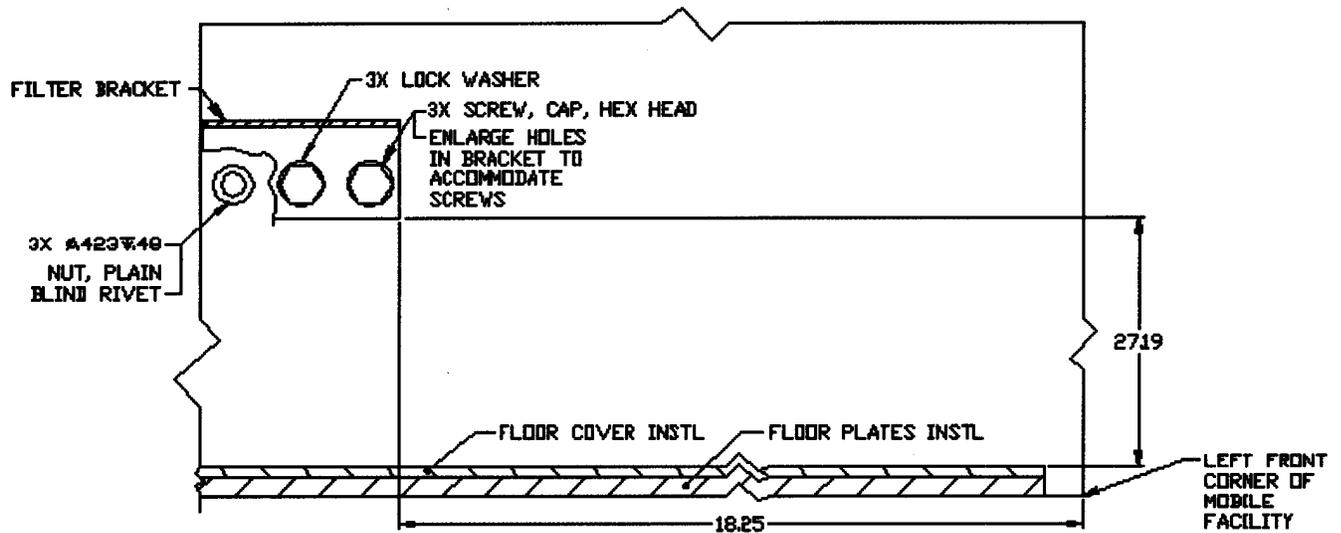


Figure 5. Water Filter Bracket Installation

14. Starting from the HV8 chilled water return valve, screw a brass hex nipple onto the HV8 valve.
15. When using two pipe wrenches, one used to hold and the other to tighten or loosen a pipe or fitting, always move wrench handle toward jaw opening.
16. Take note of the arrow on the regulator. The arrow indicates the direction of flow and once installed, the arrow should be pointing down. Screw the regulator onto the brass hex nipple. See Figure 6.
17. Screw a brass hex nipple onto the regulator.
18. Screw union tee onto the brass hex nipple.
19. Apply Teflon tape to bushing and screw onto the union tee.
20. Apply Teflon tape to dial pressure gage and screw onto the bushing. See Figure 6.
21. Apply Teflon tape to one side only of male adapter and screw onto the union tee.
22. Screw one end of hose assembly with part number MFKA100221-5 onto male adapter.
23. Screw the other end of hose assembly with part number MFKA100221-5 onto bulkhead fittings and mount assembly straight adapter marked RETURN.
24. From HV9 chilled water supply valve, screw a brass hex nipple onto the HV9 valve.
25. Screw union tee onto the brass hex nipple.
26. Apply Teflon tape to bushing and screw onto the union tee.
27. Apply Teflon tape to dial pressure gage and screw onto the bushing.
28. Apply Teflon tape to one side only of male adapter and screw onto the union tee.

SUPPORT EQUIPMENT CHANGE NO. 5698

29. Screw one end of hose assembly with part number MFKA100221-9 onto male adapter.

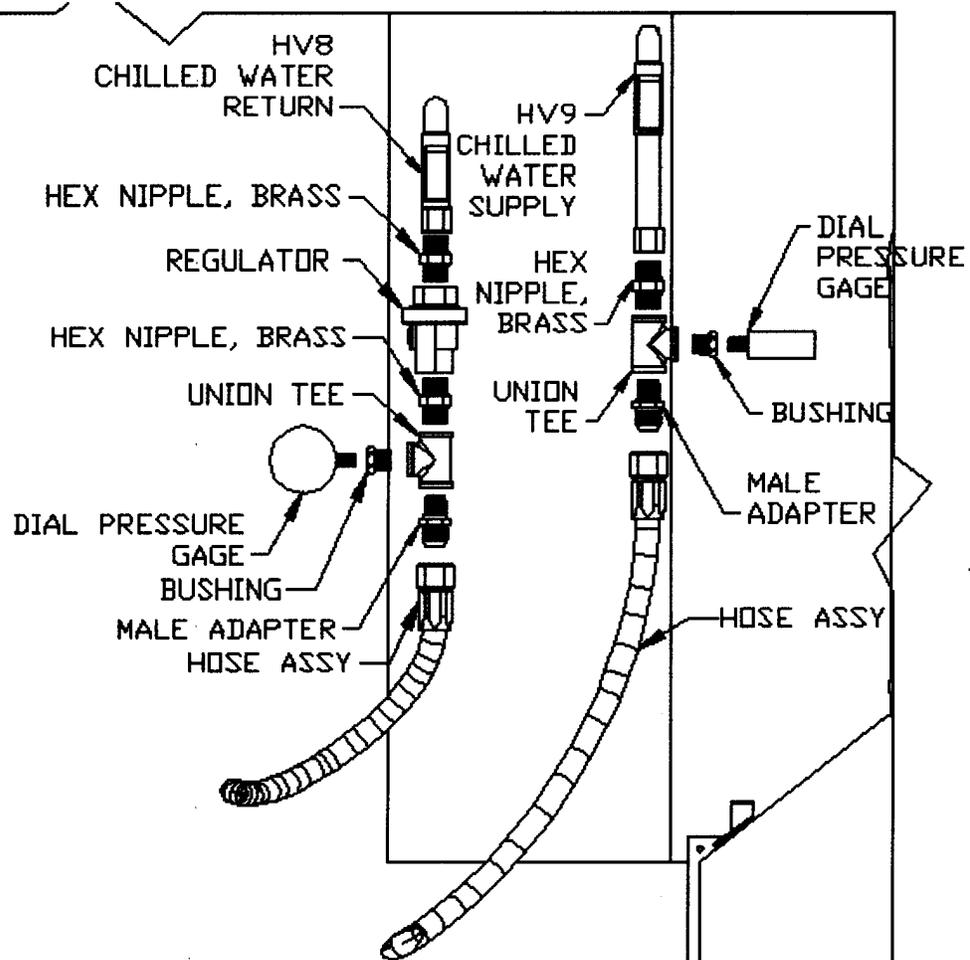


Figure 6. Regulator and Dial Pressure Gage Installation

30. Apply Teflon tape $\frac{3}{4}$ X 2-1/2 length nipple and screw onto the outlet of filter head.
31. Screw a 90° elbow onto the nipple.
32. Apply Teflon tape one side only of male adapter and screw onto the 90° elbow.
33. Screw the other end of hose assembly with part number MFKA100221-9 onto male adapter.
34. Apply Teflon tape on one side only of male adapter and screw onto the inlet side of the filter. Screw one end of hose assembly with part number MFKA100221-5 onto male adapter.
35. Screw the other end of hose assembly with part number MFKA100221-5 onto bulkhead fittings and mount assembly straight adapter marked SUPPLY. See Figure 7.

SUPPORT EQUIPMENT CHANGE NO. 5698

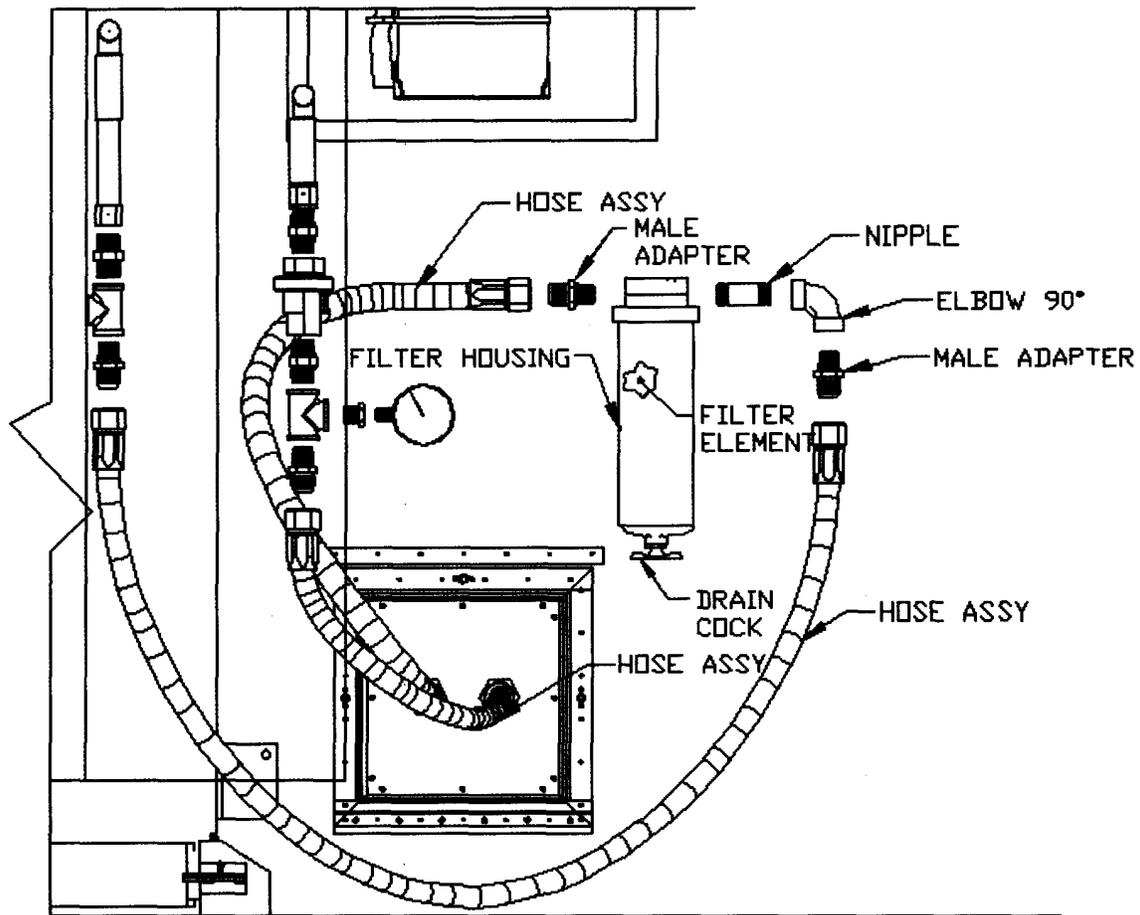


Figure 7. Water Filter Installation

36. Apply Teflon tape on the bulkhead fittings and mount assembly straight adapter marked RETURN located on the exterior of the Mobile Facility, and screw on a male quick disconnect coupling.
37. Apply Teflon tape on the bulkhead fittings and mount assembly straight adapter marked SUPPLY located on the exterior of the Mobile Facility and screw a male quick disconnect coupling.
38. Apply Teflon tape on one side only of male adapter and screw onto the female quick disconnect coupling.
39. Repeat the above procedure to the other female quick disconnect coupling. See Figure 8.

SUPPORT EQUIPMENT CHANGE NO. 5698

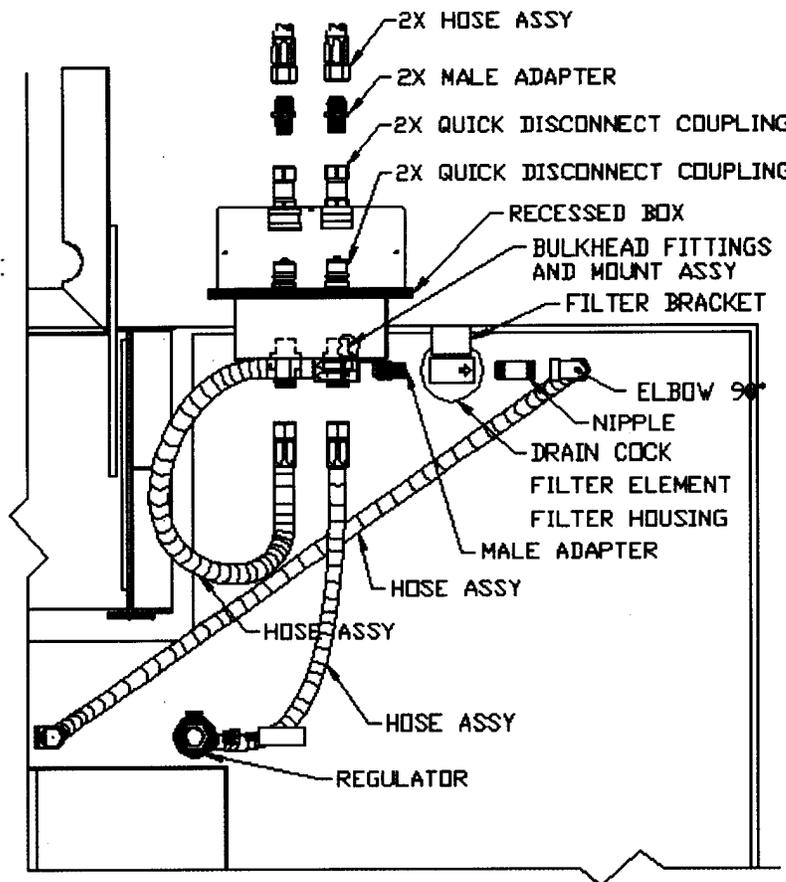


Figure 8. Quick Disconnect Coupling, Bulkhead Fittings and Mount Assembly. Water Filter Installation

40. Screw one end of the hose assembly with part number MFKA100221-7 onto the male adapter connected to a female quick disconnect coupling.
41. Repeat the above procedure to the other hose assembly with part number MFKA100221-7.
42. Apply Teflon tape on one side only of male adapter and screw onto the RETURN valve of the Water Chiller Unit (WCU).
43. Repeat the above procedure on the SUPPLY valve of the Water Chiller Unit (WCU).
44. Screw the other end of the hose assembly with part number MFKA102021-7 onto the male adapter connected to the RETURN valve of the WCU.
45. Repeat the above procedure to the SUPPLY valve of the WCU.
46. Refer to enclosure (1) and Figure 9 to verify plumbing connections.
47. Follow the startup procedure from the HX500 AW Service Manual and start WCU. Check for leaks.

SUPPORT EQUIPMENT CHANGE NO. 5698

KIT NO. A2

48. Use Kit No. A2 and the following instructions for Side Opening Mobile Facility with Serial Numbers:

MSC-017 MSC-022 MSC-020 MSC-113

49. Power down the Water Chiller Unit

- a. To stop the unit, place the OFF ON switch to the OFF position. The controller will flash OFF for thirty seconds while the unit goes through a "pump down" cycle.

CAUTION

Turning off the unit using any other procedure bypasses the pump down cycle and could damage the pump.

Once the cooling system has been turned off, it should remain off for approximately ten minutes before attempting to restart. Failure to allow this time for pressure equalization within the refrigeration system could cause the compressors to cycle their overloads.

- b. Position the WCU supply and return hose valves to the off position.
- c. Position HV8 (Chilled Water Return), HV9 (Chilled Water Supply) in the perpendicular (OFF) position located at the rear of the LCU.

SUPPORT EQUIPMENT CHANGE NO. 5698

50. Disconnect hose assemblies connected to the existing bulkhead fittings and mount assembly.
51. Follow steps 4 thru 14.
52. Disconnect hose assembly and unscrew male adapter connected to the regulator.
53. Follow steps 18 thru 23.
54. Disconnect hose assembly and unscrew male adapter connected to HV9 chilled water supply valve.
55. Follow steps 25 thru 43.
56. Follow step 47.

KIT NO. A1

57. Use Kit No. A1 and the following instructions for Side Opening Mobile Facility with Serial Numbers:

MSC-165 MSC-018

58. Power down the Water Chiller Unit
 - a. To stop the unit, place the OFF ON switch to the OFF position. The controller will flash OFF for thirty seconds while the unit goes through a "pump down" cycle.

CAUTION

Turning off the unit using any other procedure bypasses the pump down cycle and could damage the pump.

Once the cooling system has been turned off, it should remain off for approximately ten minutes before attempting to restart. Failure to allow this time for pressure equalization within the refrigeration system could cause the compressors to cycle their overloads.

- b. Position the WCU supply and return hose valves to the off position.
 - c. Position HV8 (Chilled Water Return), HV9 (Chilled Water Supply) in the perpendicular (OFF) position located at the rear of the LCU.
59. Disconnect hose assemblies connected to the existing bulkhead fittings and mount assembly.
60. Follow steps 4 thru 7.
61. Follow steps 38 thru 43.
62. Follow step 47.

WEIGHT AND BALANCE: Not Applicable.

RECORDS AFFECTED: Make appropriate entry in support equipment custody and maintenance records on OPNAV form 4790/51. Compliance shall be reported through MAF OPNAV form 4790/60 and the Technical Directive Status Accounting (TDSA) system.

SUPPORT EQUIPMENT CHANGE NO. 5698

INTERIM SUPPORT: Not Applicable.

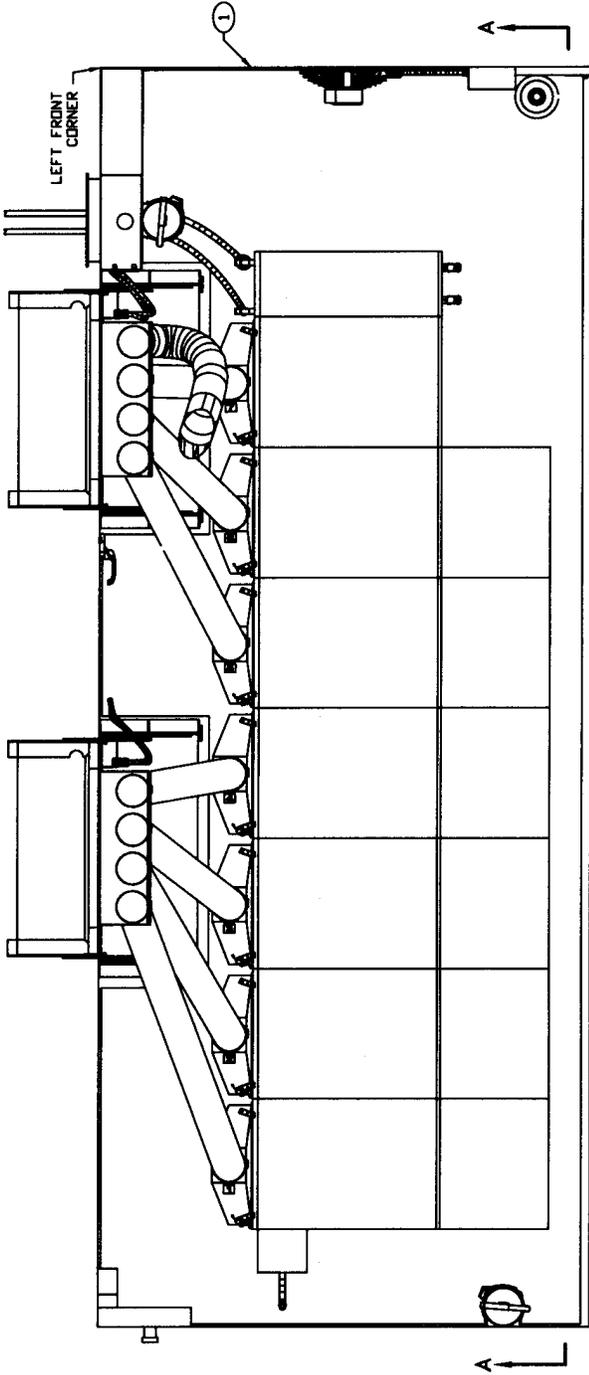


**By Direction of the
Commander
Naval Air Systems Command**

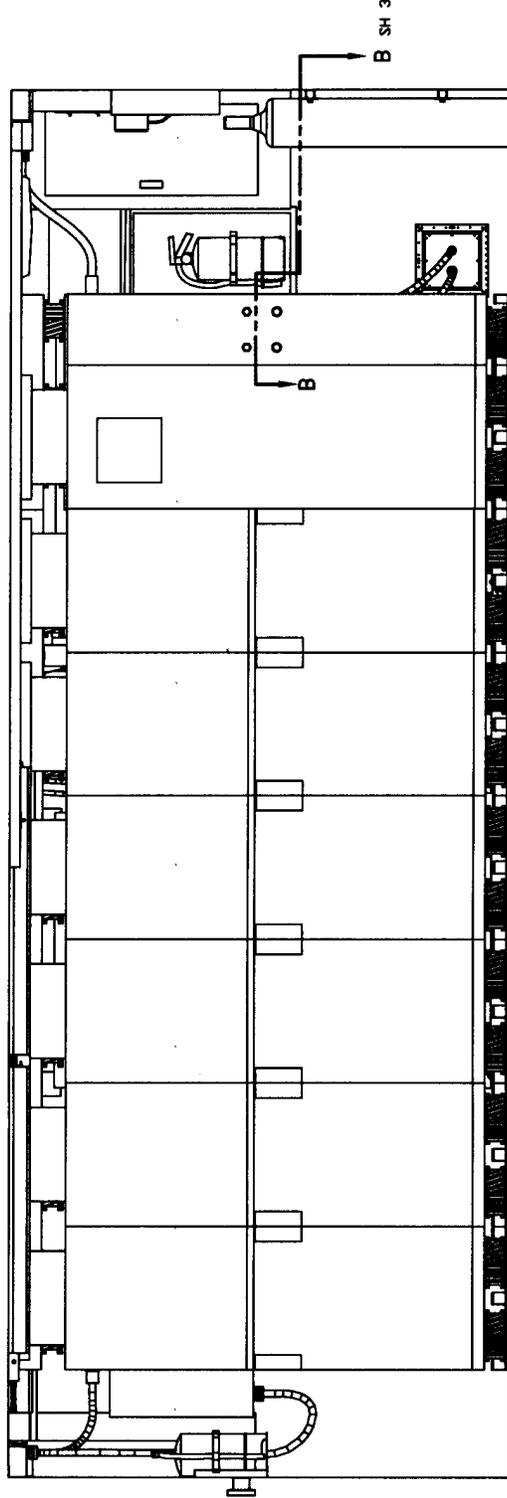
PREPARED BY: Pete Vicencio, NAVAIR Depot NAS North Island Code 48730

VERIFIED BY: DTG 202352ZOCT05, MALS-11, Serial Number MSC-013

REV	DESCRIPTION	DATE	APPROVAL



FLOOR PLAN

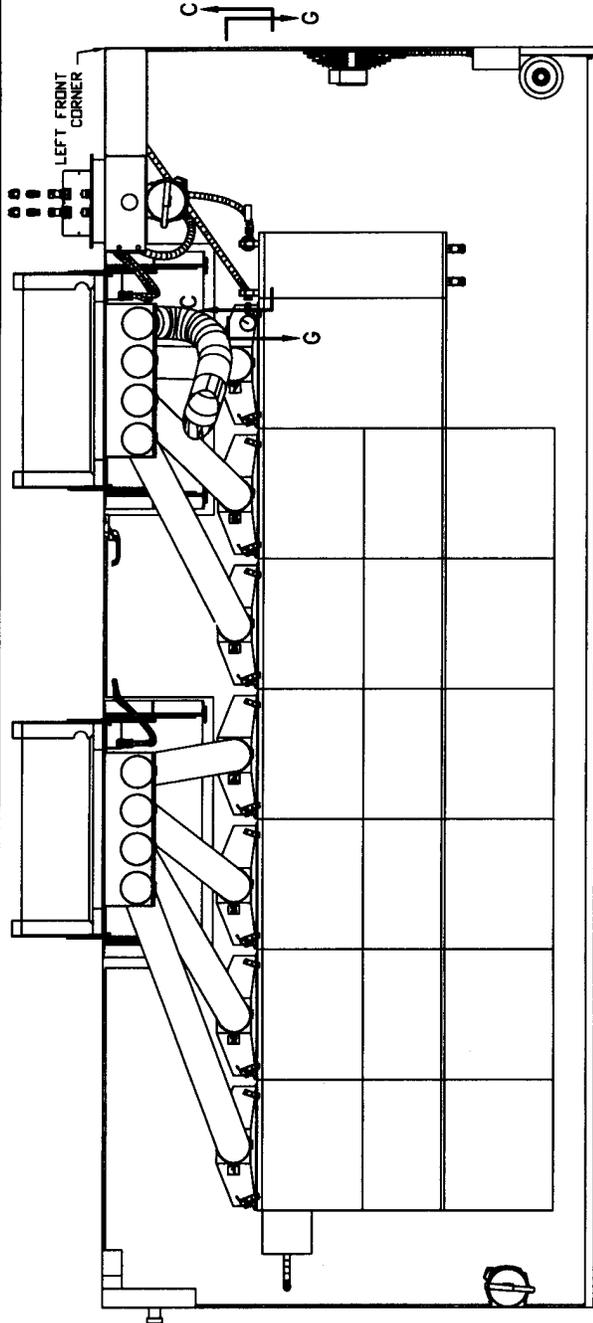


SECTION A-A
SCALE 1/10

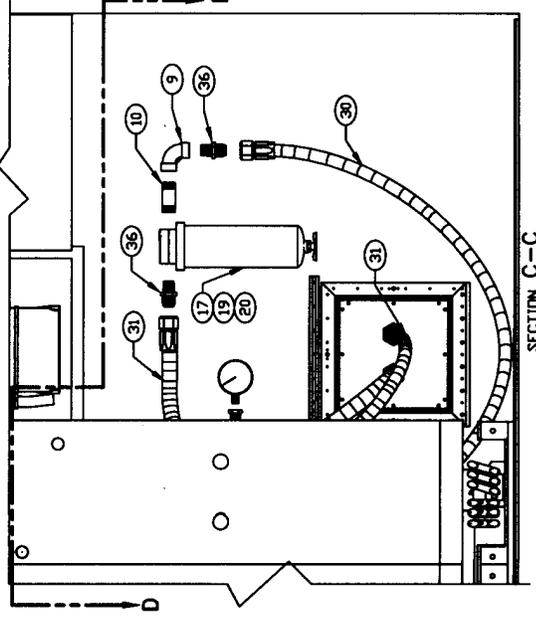
BEFORE MODIFICATION

PROJECT	DATE	DESIGNER	DATE	SCALE	PROJECT
MFKA100161-2.DWG	1/11	D 91145	1/11	1/11	MFKA100161
REV	DESCRIPTION	DATE	APPROVAL	REV	DESCRIPTION

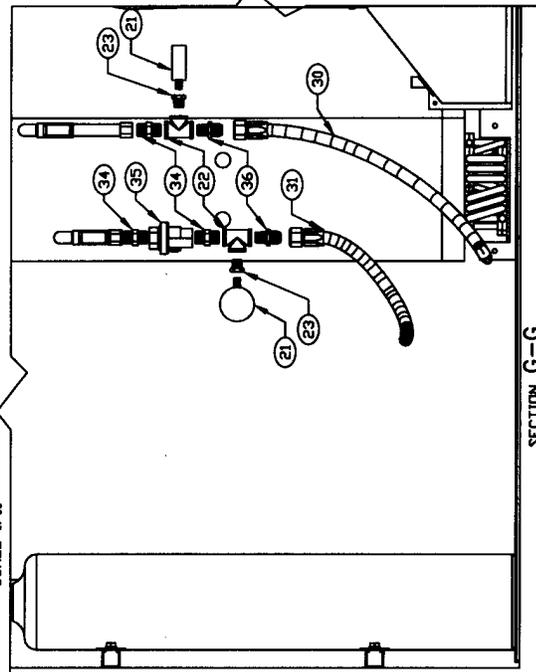
REV	DESCRIPTION	DATE	APPROVAL
D	REVISED AND PARTIALLY REDRAWN BY M. BELUSTER. (4) FIND NUMBER CHANGED.	2005-07-28	A VOIHN



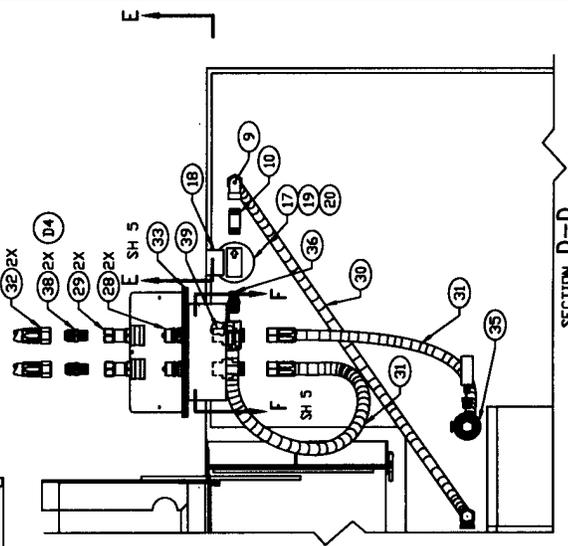
FLOOR PLAN
SCALE 1/11



SECTION C-C



SECTION G-G
ROTATED 180°

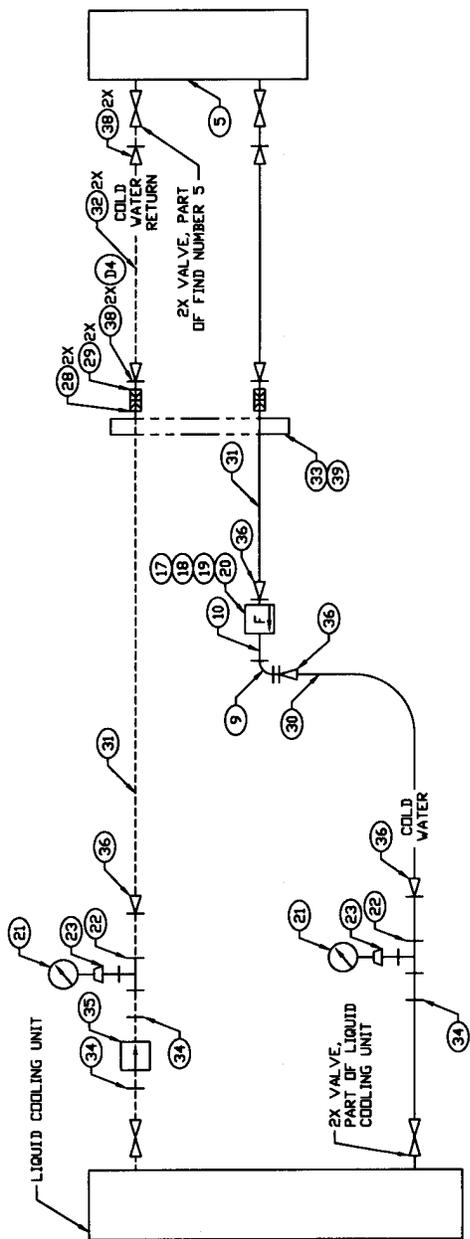


SECTION D-D
SCALE 1/6

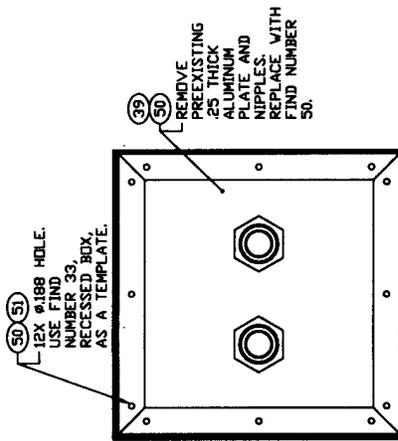
AFTER MODIFICATION

DESIGNER	DRAWN	CHECKED	DATE	SCALE	PROJECT
M. BELUSTER	MAR	D. VOIHN	2005-07-28	1/5	MFKA100161

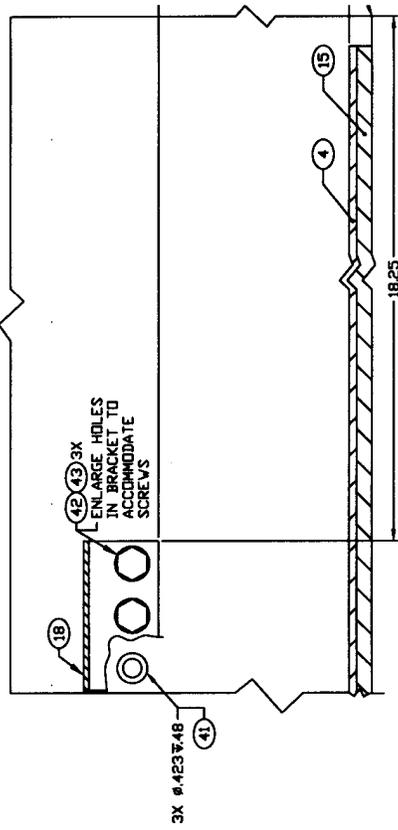
REV	DESCRIPTION
D	REVISED AND PARTIAL REDRAWN BY M. BELUST (43) FIND NUMBER CHAI



PLUMBING DIAGRAM
SCALE NONE



SECTION F-F SH 4
ROTATED 180°

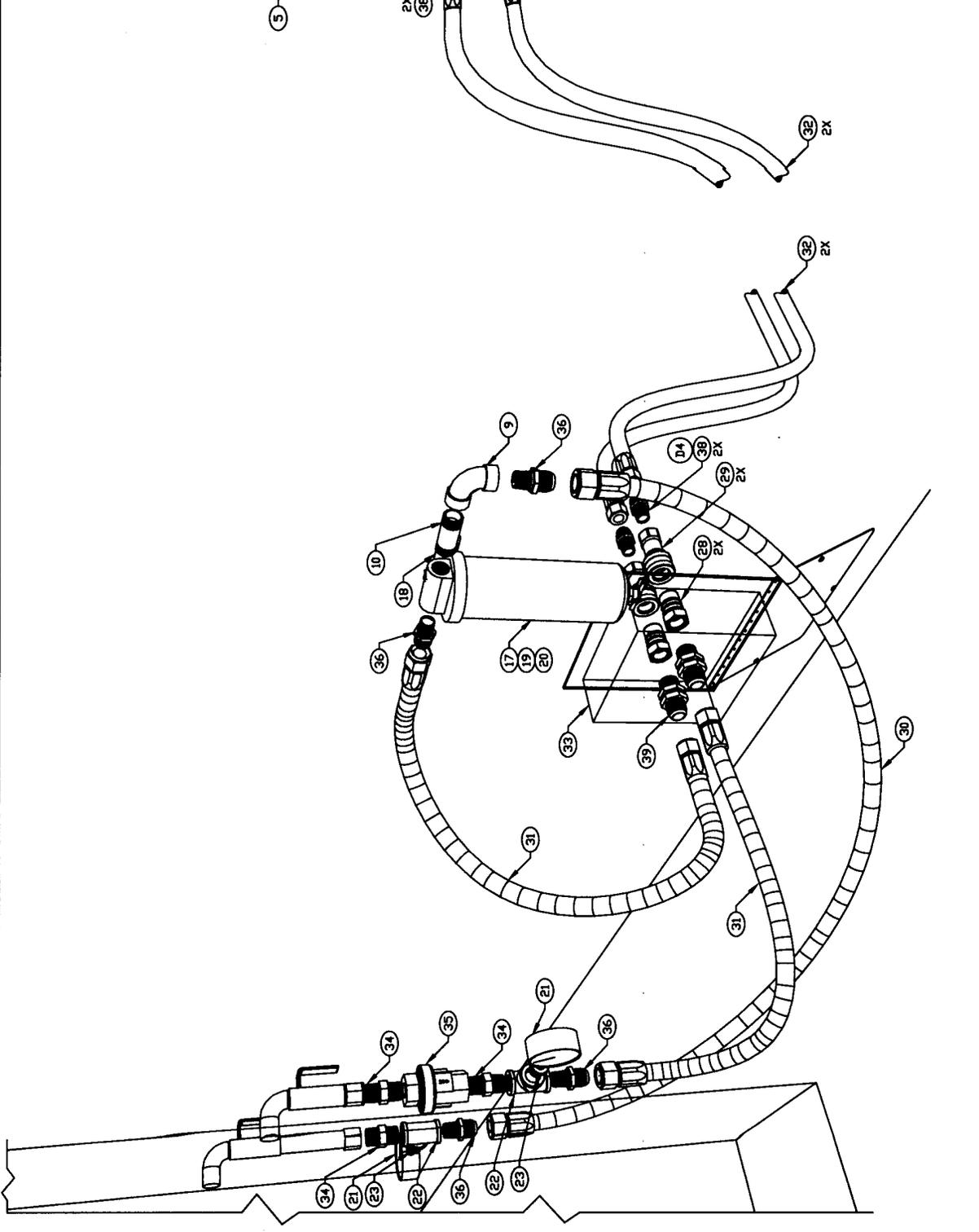


SECTION E-E SH 4
SCALE 1/1
WATER FILTER BRACKET INSTALLATION

DATE	BY	CHK'D BY	DATE	BY	CHK'D BY
10/14/5	MAB	CHAI	10/14/5	MAB	CHAI

AFTER MODIFICATION

REV	DESCRIPTION	DATE	APPROVAL
D	REVISED AND PARTIALLY REDRAWN BY M. BELUSTER. (4) FIND NUMBER CHANGED.	2005-07-28	A VOIING



ENGINEER	DATE	INVOICE NUMBER	DATE	REV	DATE	REV	DATE	REV	DATE	REV
M. BELUSTER	2005-07-28	D191145	2005-07-28	1	2005-07-28	2	2005-07-28	3	2005-07-28	4
P. J. HALL										

AFTER MODIFICATION