

CHAPTER 10

SEARCH AND RESCUE KIT

Section 10-1. Description

10-1. GENERAL.

NOTE

New procurements of the seven-man liferaft will be designated LRU-13/A. Reference to the designation MK-7 has been deleted throughout this chapter, however, all procedures and requirements referenced in this chapter pertaining to the LRU-13/A also apply to the MK-7 liferaft.

10-2. The Search and Rescue (SAR) Kit is made to be dropped from an aircraft to survivors at sea. It has two LRU-13/A liferafts packed into containers and an equipment container complete with survival equipment (figure 10-1).

10-3. CONFIGURATION.

10-4. SAR Kit configuration number 1648AS999 is a fleet manufactured item, therefore no part number is assigned to the final assembly. Supply personnel may assign a local part number for tracking purposes. The SAR Kit liferaft and equipment containers are made of nylon duck cloth and sewn with nylon thread. Each liferaft is packed in a special individual container. The survival equipment container has a pouch on each side capable of holding approximately 500 feet of 3/8-inch polypropylene (yellow) line. Two 25-foot lengths of nylon cord are used as static lines. One end has a spring clip for attachment to aircraft structure; the other end is made into a bowline and loop for attachment to actuating

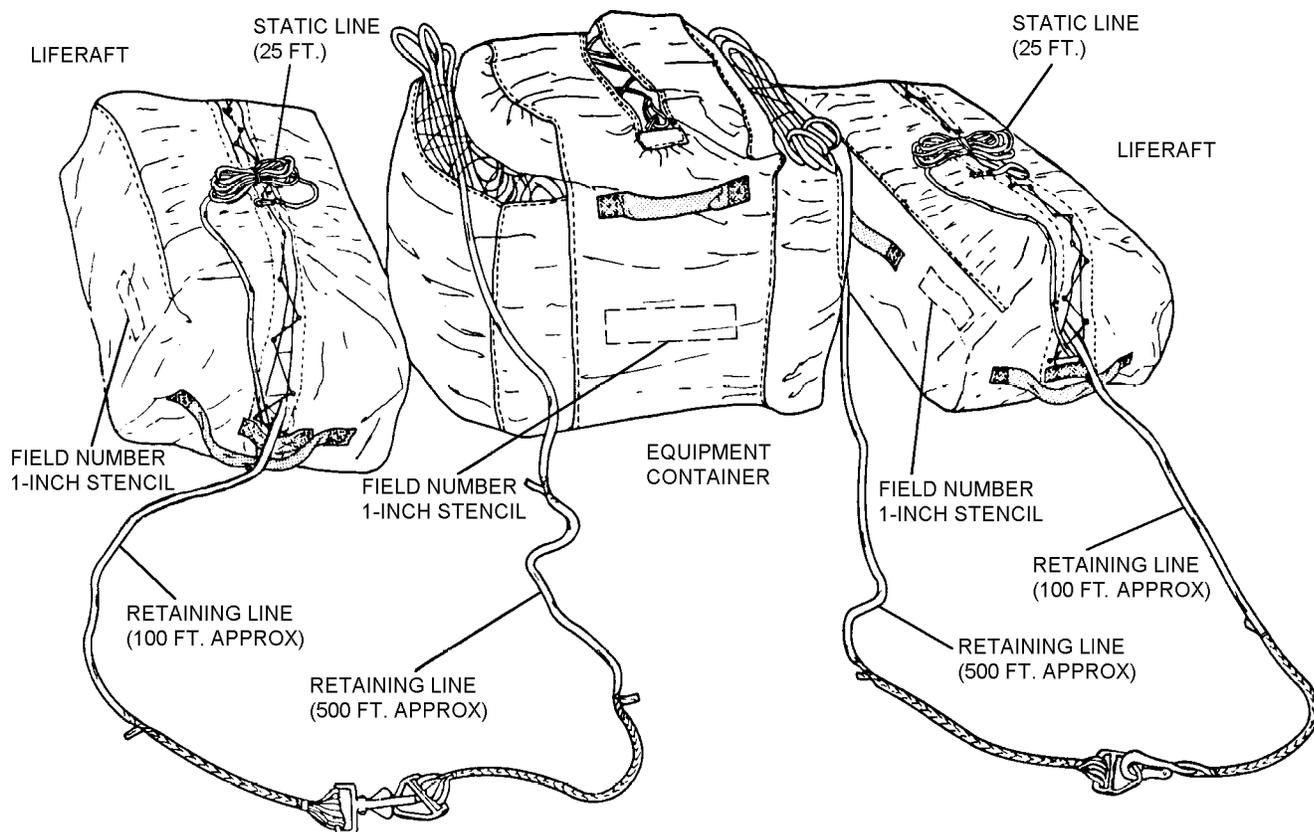


Figure 10-1. SAR Kit

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NAVAIR 13-1-6.5

cable snaphook. The basic survival items packed in the SAR Kit are listed in Table 10-1. These items are intended to support 14 survivors. The quantity and type of survival items may be varied at the discretion of the Area Commander to suit operational environment.

10-5. APPLICATION.

10-6. The SAR Kit is intended to be dropped from a P-3, C-130, or C-2 aircraft engaged in search and rescue missions to survivors of air crashes and ship accidents. Refer to applicable aircraft NATOPS for deployment procedures.



Failure to don and attach the CREW RESTRAINT HARNESS to the aircraft

could result in either falling or being pulled from the aircraft.

10-7. FUNCTION.

10-8. When the command to drop the SAR Kit is obtained, the following operations take place:

1. Attach the two liferaft static lines (nylon cord with spring clip) to aircraft.

2. Connect the two yellow retaining lines from the equipment container (v-rings), to the two yellow retaining lines of the liferafts (snaphooks).

Table 10-1. Survival Equipment For SAR Kit

Description	Quantity	Reference Number
Liferaft LRU-13/A (Note 1)	2	62A82H2-101
Sea Anchor (Note 2)	2	MIL-A-3339
Signaling Mirror	2	NIIN 00-261-9772
Distress Signal, MK-124	12	NIIN 01-030-8330
Bagged Water	14/42	NIIN 01-124-4543
General Purpose First Aid Kit (Rigid)	2	NIIN 00-922-1200
Air Hand Pump	2	NIIN 00-028-9406
Rations	14	NIIN 00-097-4580
Whistle	2	NIIN 00-254-8803
Combat Casualty Blanket	4	NIIN 00-935-6665
Anti-Chap Lipstick	4	NIIN 01-436-0607
GND/AIR Emergency Code Card	6	(Note 3)
Compass	2	NIIN 01-444-2955
Sunburn Preventative	1	NIIN 01-121-2336
Sea Dye Marker	12	NIIN 00-270-9986
Distress Marker Light (Note 4)	2	NIIN 01-411-8535
Sponge (5 x 3 compressed)	4	NIIN 00-240-2559
Pocket Knife	2	NIIN 00-162-2205
Water Storage Bag (5 Qt)	14	NIIN 00-485-3034

Notes: 1. Newly procured LRU-13/A liferafts will come with sea anchors attached. They must be removed at the sea anchor mooring patch and placed, with the sea anchor mooring line, into the survival equipment container.
 2. Due to low demand, Sea Anchors may not be stocked. They may be purchased from the following source: Patton Co., 1803 Madrid Ave. Lake Worth, FL (561) 588-8500.
 3. GND/AIR Emergency Code Card may be duplicated in accordance with Section 9-9 of this manual.
 4. SDU-5/E can be used until no longer passes inspection, then replace with SDU-39/N Distress Marker Light.

3. The first LRU-13/A liferaft is pushed from the aircraft.

4. The survival equipment container is pushed from the aircraft immediately following the first liferaft.

5. The second LRU-13/A liferaft is pushed from the aircraft following the survival equipment container. Both liferafts are automatically inflated by means of a static line which is attached to the liferaft inflation valve and the aircraft.

10-9. REFERENCE NUMBERS, ITEMS AND SUPPLY DATA.

10-10. For information relating to reference numbers, items and supply data for SAR Kit refer to [Table 10-2](#).

Table 10-2. Supply Data

Description	Reference Number
Liferaft	62A82H2-101 LRU-13/A
Liferaft Container	—
Equipment Container	—
Retainer Line (See Note)	NIIN 01-315-7456, P/N P1424YELLOW
Notes: 1. Retaining lines for the SAR Kit are made from 8 carrier spliceable hollow braid polypropylene line. Color yellow. Line is manufactured in 500 ft lengths and shall be spliced as indicated in Figure 10-10 for the required 1000 ft retaining line. 2. Total length needed for the retaining lines is approximately 1200 ft. Tolerance for length of retaining lines is 20 percent (figure 10-1 and 10-10).	

Section 10-2. Modification

10-11. GENERAL.

10-12. There are no current directives affecting the SAR Kit. Repair and fabrication instructions to maintain serviceability are listed in [Table 10-3](#).

Table 10-3. SAR Kit Repairs and Fabrications

Description of Repairs or Fabrications	Application	Paragraph
Fabrication of Liferaft Container	All SAR LRU-13/A Containers	10-19
Fabrication of Equipment Container	All SAR Equipment Containers	10-20

Section 10-3. Maintenance

10-13. GENERAL.

10-14. Maintenance or repair operations are performed by Intermediate Level or above unless otherwise specified. All SAR Kits shall be subjected to Preflight, Special, and Calendar Inspections.

10-15. INSPECTION.

10-16. PREFLIGHT INSPECTION. The Preflight Inspection is a Visual Inspection performed by the flight

crew prior to each flight daily and consists of the following:

1. Inspect for completeness of SAR Kit.
2. Inspect security of closures.

10-17. SPECIAL INSPECTION. The Special Inspection is a Visual Inspection performed by Organizational Level every 30 days and consists of the following:

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1. Inspect for rips, tears, stains, and loose or frayed stitching on containers.

2. Inspect actuator cable housing for nicks, dents and burrs.

3. Inspect lines for condition of wear, fraying and security of splices.

4. Inspect for loose, broken or missing grommets.

5. Check snaphooks for cracks, corrosion and ease of operation.

6. Inspect static line for condition.

7. Inspect visible retaining lines for condition.

8. Inspect PCU-17/P Crew Restraint Harness System (P/N 68J420-101) for proper configuration in accordance with NAVAIR 13-1-6.2.

9. The fleet manufactured SAR Kit (configuration number 1648AS999) shall be inspected to ensure configuration is in accordance with paragraph 10-3.

10-18. CALENDAR INSPECTION. The Calendar Inspection shall be performed at the Intermediate Level at intervals not to exceed 225 days. The inspection shall consist of Preflight and Special Inspection requirements (paragraphs 10-16 and 10-17), a Functional and Leakage Test on the liferafts, as well as the following:

NOTE

A functional test shall be performed prior to placing in service or during aircraft Acceptance Inspection, and each fourth inspection cycle thereafter. A Leakage Test shall be performed at each inspection cycle.

1. Inspect liferafts in accordance with NAVAIR 13-1-6.1-1.

2. Unpack equipment container.

3. Inspect survival items in accordance with Chapter 9.

4. Inspect SAR Kit for proper rigging and packing in accordance with paragraph 10-23.

10-19. FABRICATION.

10-20. FABRICATION OF THE LIFERAFT CONTAINER. To fabricate the liferaft container, proceed as follows:

Materials Required

Quantity	Description	Reference Number
As Required	Cloth, Duck, Nylon Type II, Olive Drab	MIL-C-7219 NIIN 00-765-2863
As Required	Webbing, Textile, Reinforcing Nylon Type IV, 1-Inch	MIL-T-5038 NIIN 00-261-8579
As Required	Thread, Nylon Type II, Class A, Size E	V-T-295 NIIN 00-244-0609
25	Grommet and Washer Assembly Size 00	MS20230B20 NIIN 00-291-0302

1. Fabrication of Top Panel. To make the top panel, refer to figure 10-2 and proceed as follows:

a. Cut and sear nylon duck cloth 15 1/2 x 44 inches.

b. Cut and sear 1-inch nylon webbing into two 5 1/2-inch pieces and one 13-inch piece.

c. From a corner of the top panel, measure along the 15 1/2-inch edges 7 3/4 inches to the center of the panel and in 3 inches from the 15 1/2-inch edge. Starting at this point cut a slit 38 inches long parallel to the 44-inch edge. At each end of the slit cut a 1 1/2-inch slit perpendicular to and centered on the 38-inch slit to form a rectangular opening as shown in figure 10-2, Section C-C.

d. Take two 5 1/2-inch lengths of 1-inch nylon webbing and fold each end under 1 3/8 inches to butt at the mid-point. Lay the folded webbing, one piece at each end of the 38-inch rectangular opening, centered and flush with the narrow side, and stitch in place with a 3/4 x 1/2-inch boxstitch as in figure 10-2, Sections A-A and B-B.

e. Take a 13-inch piece of 1-inch wide tape, turn each cut end under 1 1/4 inches and place it 2 inches in from the narrow side and 2 7/8 inches in from each long side of the top panel. Stitch end folded end of the tape in place with a 3/4 x 1-inch boxstitch as shown in figure 10-2, Section A-A.

f. Measure 3 7/16 inches in from each 15 1/2-inch edge of the top panel and place four grommets (MS20230B20), one at each corner, centered on each hem of the rectangular opening. From the 15 1/2-inch edge of the panel with the handle attached, measure in

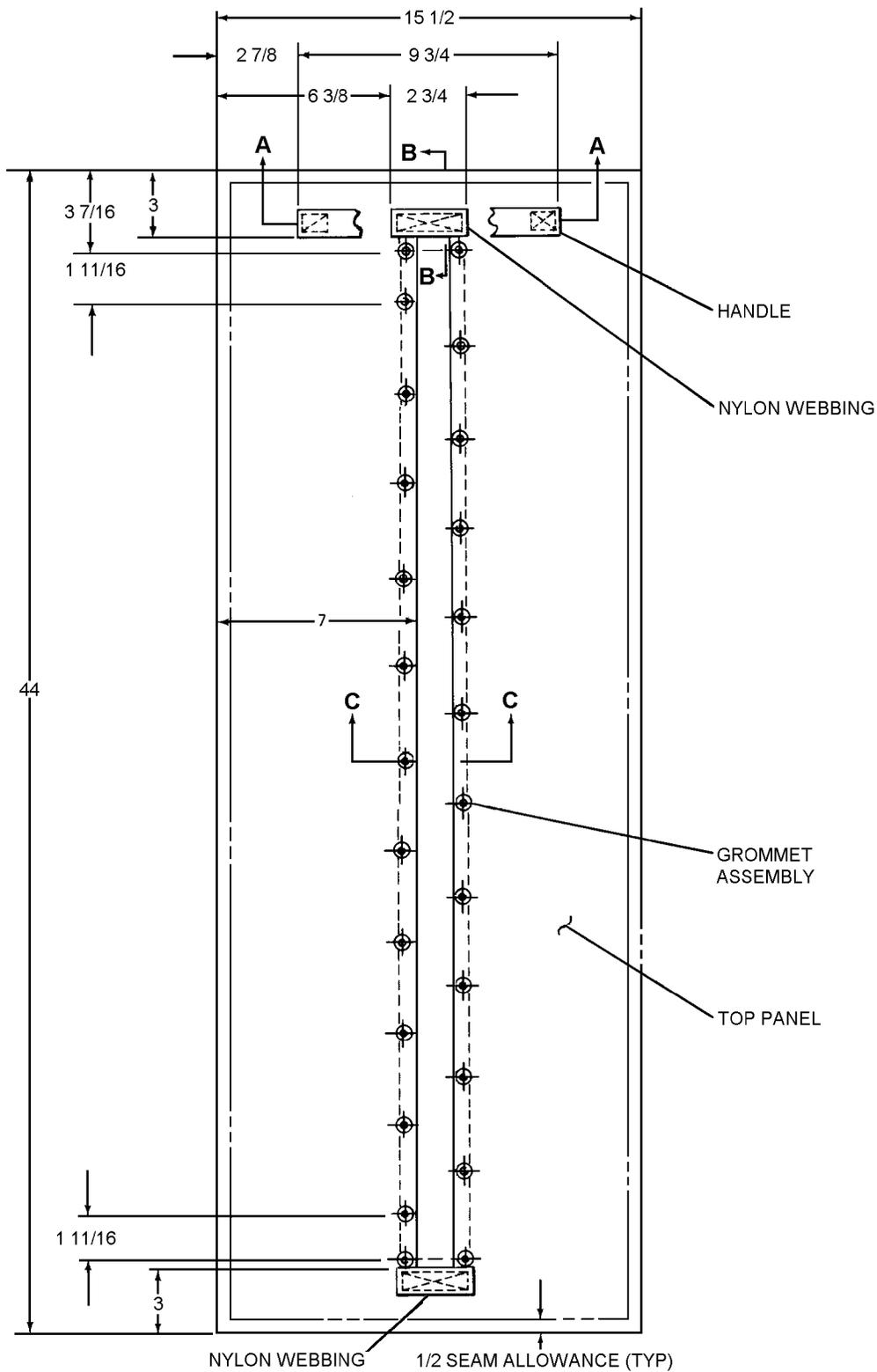
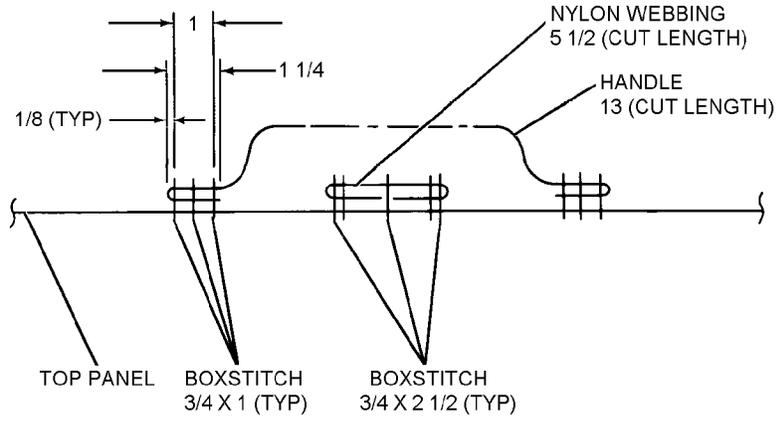
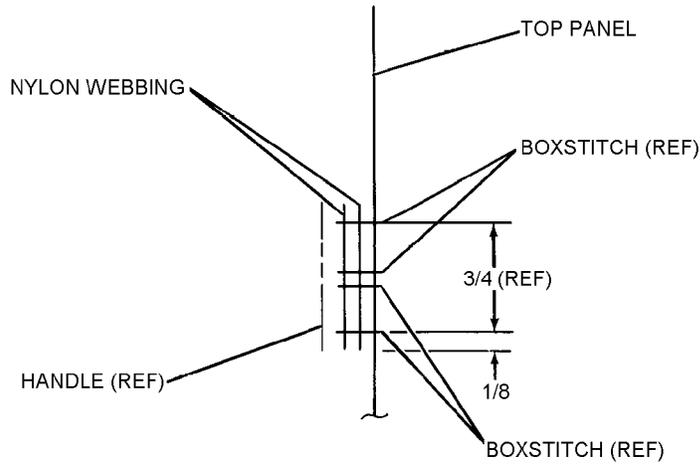


Figure 10-2. Top Panel Assembly, LRU-13/A Liferaft Container (Sheet 1 of 2)

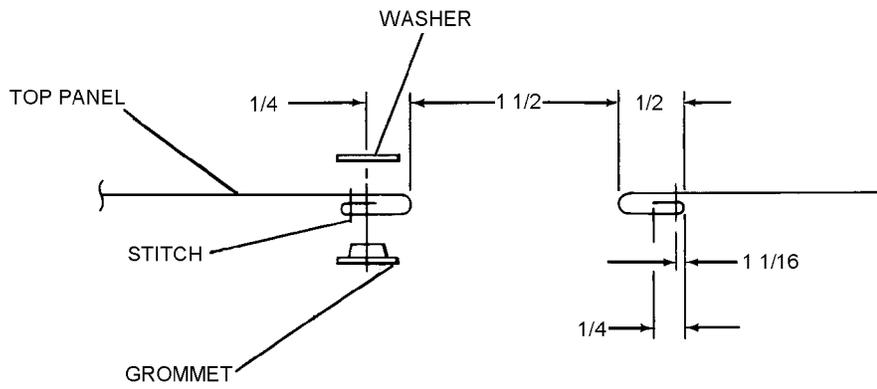
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SECTION A-A



SECTION B-B



SECTION C-C

Figure 10-2. Top Panel Assembly, LRU-13/A Liferaft Container (Sheet 2 of 2)

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5 1/8 inches on one hem and 6 13/16 inches on the other hem. Place a grommet at each location centered on the hem. Starting with the grommet located at 6 13/16 inches, place nine grommets centered on the hem 3 3/8 inches apart. Starting with the grommet located at 5 1/8 inches, place ten grommets centered on the hem, 3 3/8 inches apart to effect a staggered pattern as shown in figure 10-2.

2. Fabrication of Bottom Panel. To make the bottom panel, refer to figure 10-3 and proceed as follows:

a. Cut and sear 1-inch nylon webbing into two 13-inch pieces.

b. Take the two 13-inch cut lengths of webbing and fold the cut ends under 1 1/4 inches to form handles, and place on the bottom panel. Locate the handles 2 1/2 inches in from the 30-inch edges and 10 1/8 inches in from each 29 1/2-inch edge and stitch each folded end in place with a 3/4 x 1/4-inch boxstitch as shown in figure 10-3, Section A-A.

3. Attaching Top and Bottom Panels Together. To attach the top and bottom panels together, refer to figure 10-4 and proceed as follows:

a. Place the top panel assembly with the handle side up. Center the bottom panel assembly on the top panel assembly with the handles facing down and the 30-inch edges of the bottom panel assembly mating with the 44-inch edges of the top panel assembly. Stitch in place 1/2 inch in from the mating edges. Turn the free ends of the top panel assembly upward in order to mate the three raw edges of the top panel assembly with the corresponding raw edges of the 29 1/2-inch sides of the bottom panel assembly. Stitch 1/2 inch in along the mating edges.

b. Turn the assembled liferaft container right-side-out and stitch 1/16 inch in on all sides of the bottom panel assembly catching the seam allowance as shown in figure 10-4, Sections A-A, B-B and C-C.

10-21. FABRICATION OF EQUIPMENT CONTAINER. To make the equipment container for the SAR kit, proceed as follows:

Materials Required		
Quantity	Description	Reference Number
As Required	Cloth, Duck, Nylon Type II, Olive Drab	MIL-C-7219 NIIN 00-765-2863

Materials Required (Cont)

Quantity	Description	Reference Number
As Required	Webbing Textile, Reinforcing Nylon Type IV, 1-Inch	MIL-T-5038 NIIN 00-261-8579
As Required	Webbing Textile, Reinforcing Nylon Type IV, 1 1/2-Inch	MIL-T-5038 NIIN 00-263-2472
As Required	Thread, Nylon Type II, Class A, Size E	V-T-295 NIIN 00-244-0609
12	Grommet and Washer Assembly Size 0	MS20230B10 NIIN 00-231-6589
2	Grommet and Washer Assembly Size 4	MS20230B4 NIIN 00-231-6591

1. Fabrication of Top Panel and Side Panels. To make the top panel, refer to figure 10-5, 10-6, and 10-7 and proceed as follows:

a. Cut and sear nylon duck cloth into a top panel 13 x 55 3/4 inches, a side panel 15 3/4 x 53 inches, and 2 additional side panels, 5 x 49 1/4 inches.

b. Cut and sear 1-inch nylon webbing into two pieces, 5 inches long and 1 piece, 37 1/2 inches long.

c. Cut and sear 1 1/2-inch nylon webbing into two pieces, 10 1/4 inches long.

d. From a corner of the top panel, measure 6 1/2 inches to the center of the panel and in 20 1/2 inches from the 13-inch edge. Starting at this point, cut a slit 14 3/4 inches long, parallel to the 55 3/4-inch edge. At each end of the slit, cut a 1 1/2-inch slit perpendicular to, and centered on, the 14 3/4-inch slit. Fold each side of the 14 3/4-inch slit 1/4 and 1/2 inch under. Stitch 1/8 inch in on the 1/2-inch fold to form a rectangular opening as shown in figure 10-5, Section A-A.

e. Take two 5-inch lengths of 1-inch nylon webbing, and fold each end under 1 1/4 inches to butt at the mid-point. Lay the folded webbing, one piece at each end of the 14 3/4-inch rectangular opening, centered on and flush with the narrow edge. Stitch in place with a 3/4 x 2 1/4-inch boxstitch as in figure 10-5, Sections B-B and C-C.

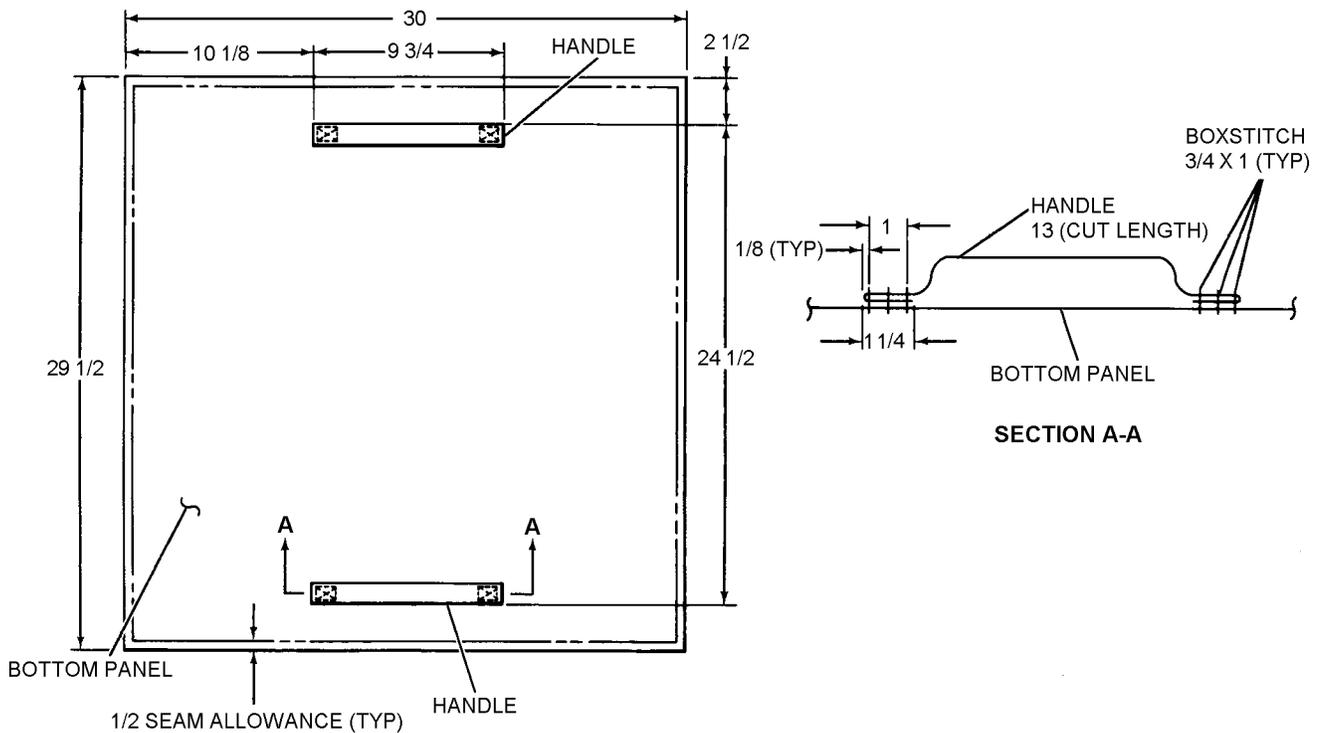


Figure 10-3. Bottom Panel Assembly, LRU-13/A Liferaft Container

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f. Cut a 45 degree bias on each end of the 37 1/2-inch webbing to form an elongated parallelogram. Turn the top panel over, and place the 37 1/2-inch piece of webbing around the rectangular opening, starting 1 1/2 inches beyond the narrow end, and extending 1/2 inch into the opening along the long sides only, as shown in Figure 10-5, Section A-A and Figure 10-6.

g. When placing the tape around the narrow ends of the opening, form loops, one of which will be formed by bringing the bias cut ends to coincide. The tape location at these ends shall be 1/2-inch away from the opening, as shown in Figure 10-5, Section B-B and Figure 10-6, Detail B.

h. Stitch all around 1/8-inch in on the sides away from the opening. On the 14 3/4-inch sides of the rectangle, place an additional single row of stitches 3/16 inch from the previous stitching, as shown in Figure 10-5, Section A-A.

i. On each narrow side of the rectangular opening, place a row of stitches 1/8 and 1/2 inch in from the opening catching both legs and the loop of the tape, as shown in Figure 10-6, Detail B.

j. Take two pieces of 1 1/2-inch wide nylon webbing 10 1/4 inches long. Turn a 1/4-inch hem 5 1/2 inches long centered on each of the 10 1/4-inch sides of

the tape. Stitch in 1/16 and 1/8 inch as shown in Figure 10-6, Section A-A to form the handles.

k. Place the handle assemblies 17 inches in from the narrow sides and 2 1/4 inches in from each long side of the top panel. Sew the handles in place with a box stitch 1 1/4 x 1 1/4 inches, as shown in Figure 10-5, Section D-D.

l. From each 13-inch side of the panel, measure 21 inches and place two grommets (MS20230B10), one on each side of the rectangular opening, 3/8 inch in from the opening, as shown in Figure 10-6, Detail A.

m. Starting with these two grommets, place five additional grommets on each side of the opening 2 3/4 inches apart, as shown in Figure 10-5.

n. Place the top panel assembly with the handle side up. Center the side panel on the top panel assembly with the 15 3/4-inch edges of the side panel, mating with the 55 3/4-inch edges of the top panel assembly. Stitch in place 1/2 inch in from the mating edges. Turn the free ends of the top panel assembly upward in order to mate the three raw edges of the top panel assembly with the corresponding raw edges of the 53-inch side of the side panel, and stitch 1/2 inch in along the mating edges as shown in Figure 10-7.

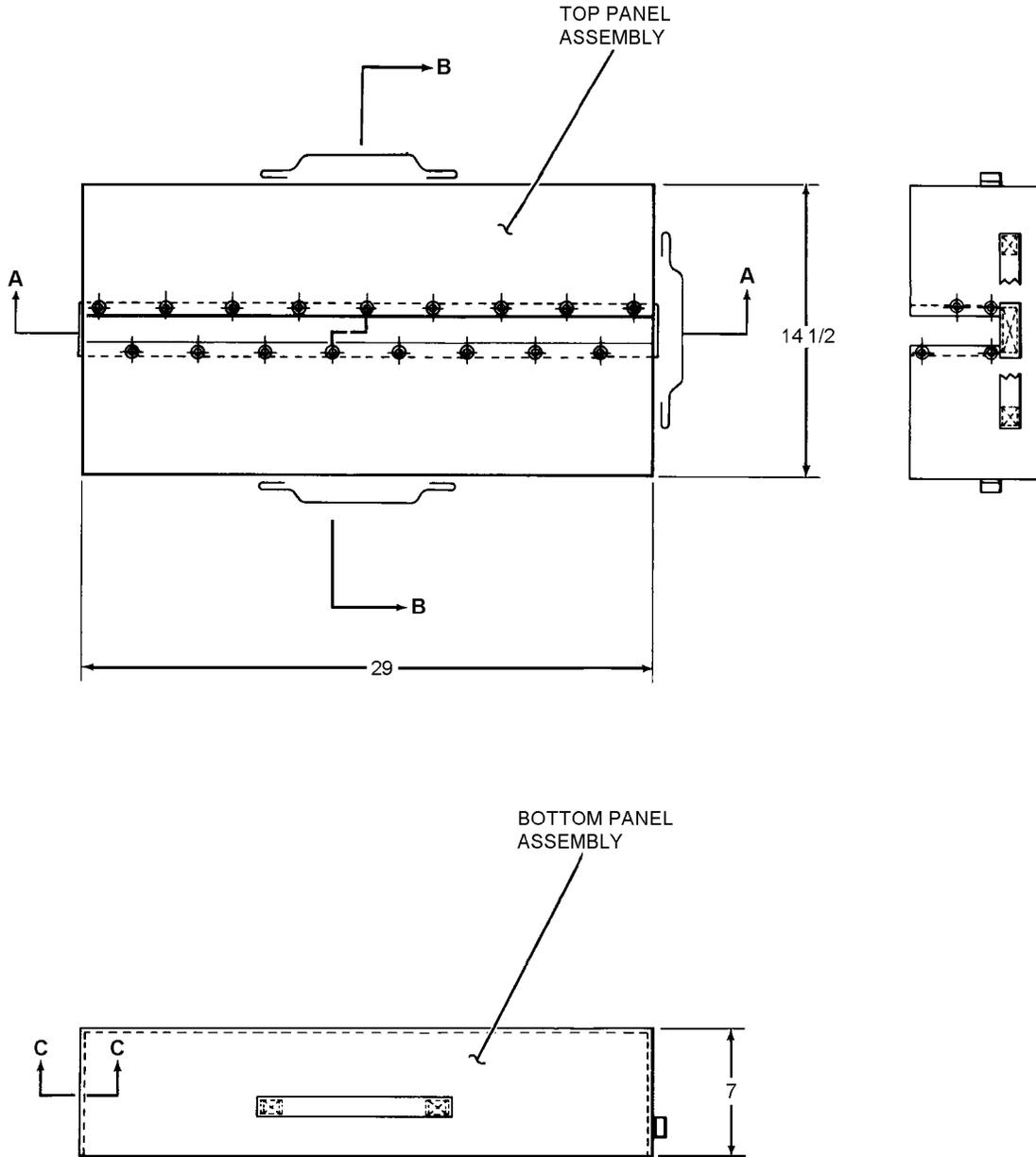


Figure 10-4. LRU-13/A Liferaft Container, P-3 SAR Kit (Sheet 1 of 2)

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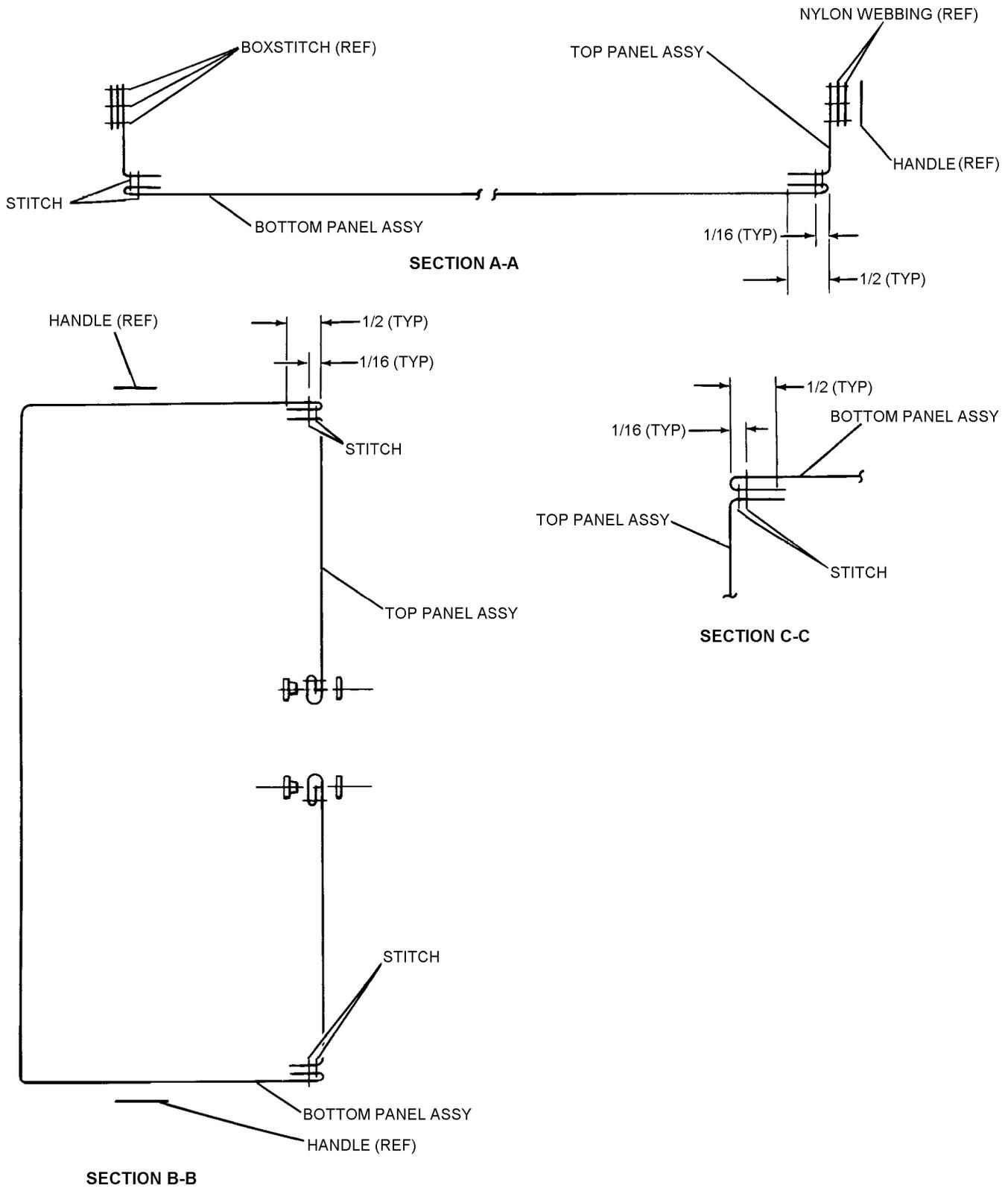


Figure 10-4. LRU-13/A Liferaft Container, P-3 SAR Kit (Sheet 2 of 2)

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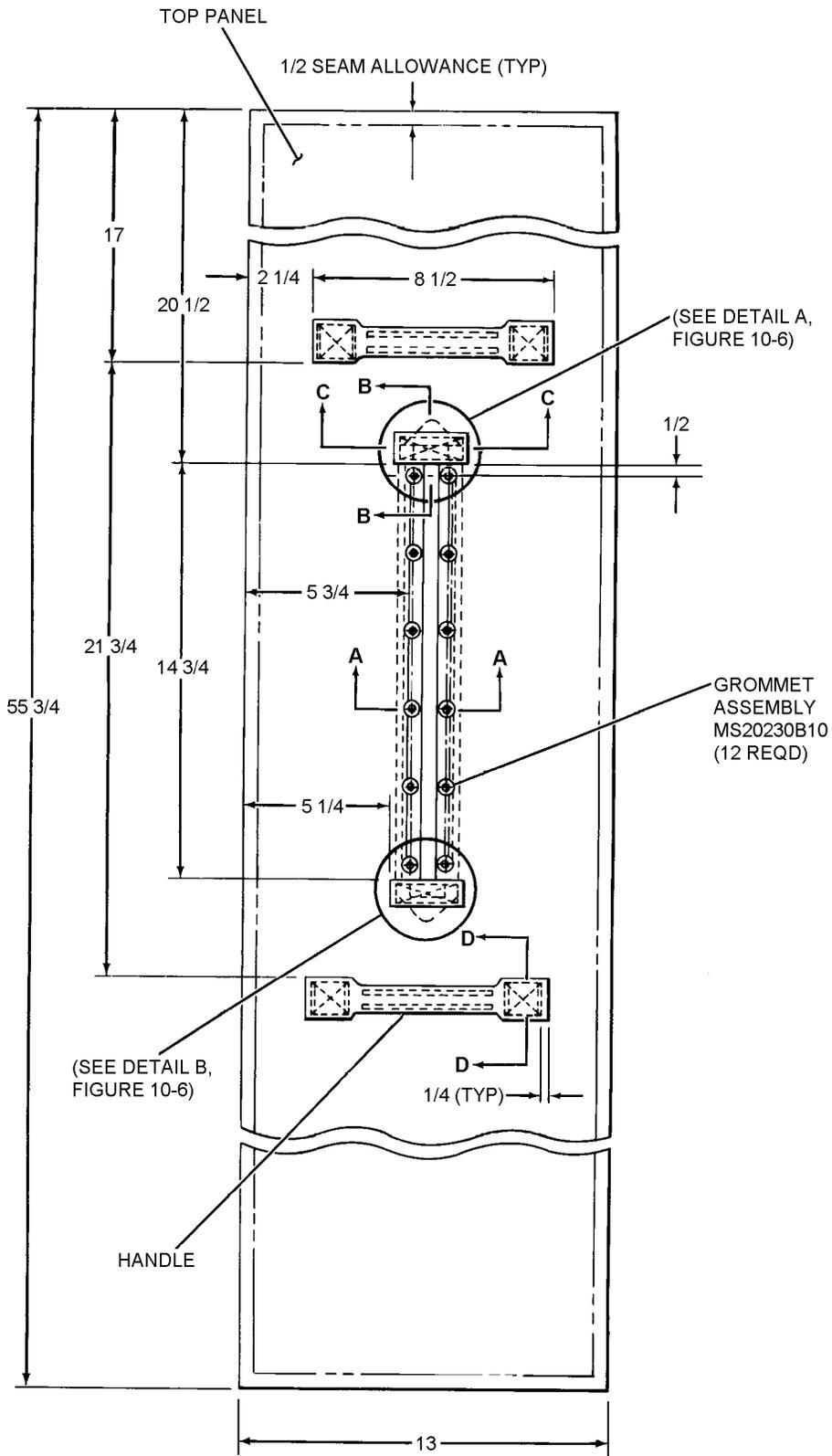


Figure 10-5. Top Panel Assembly, Survival Equipment Container Assembly (Sheet 1 of 2)

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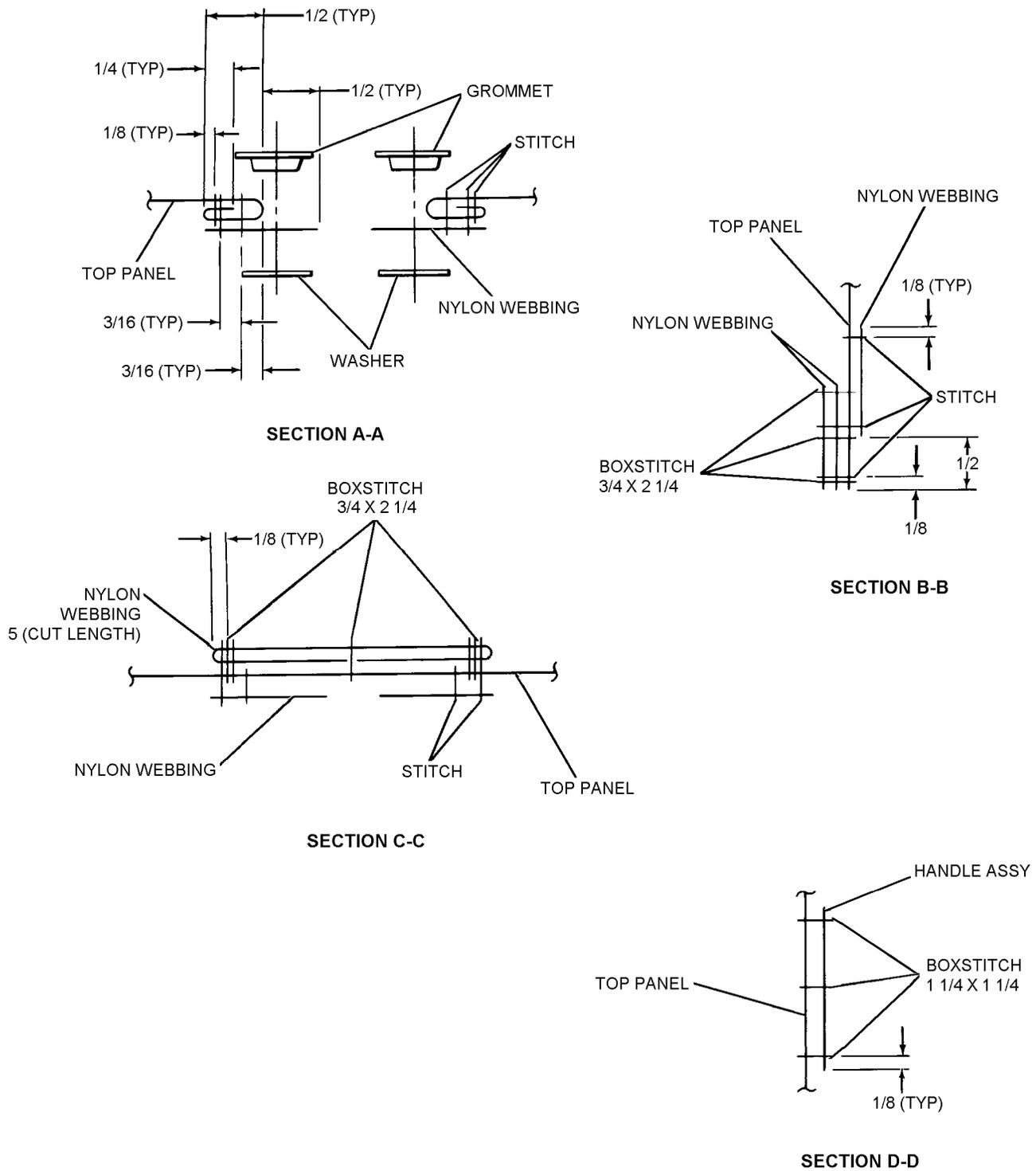


Figure 10-5. Top Panel Assembly, Survival Equipment Container Assembly (Sheet 2 of 2)

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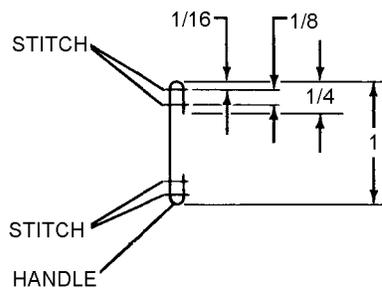
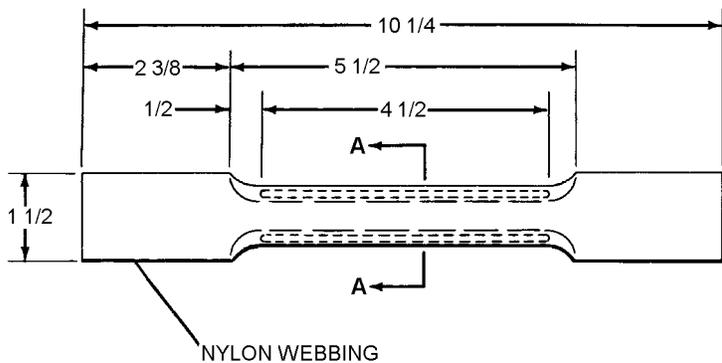
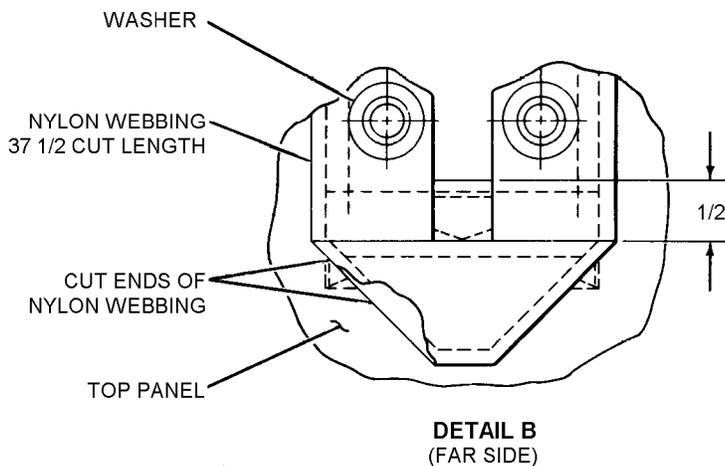
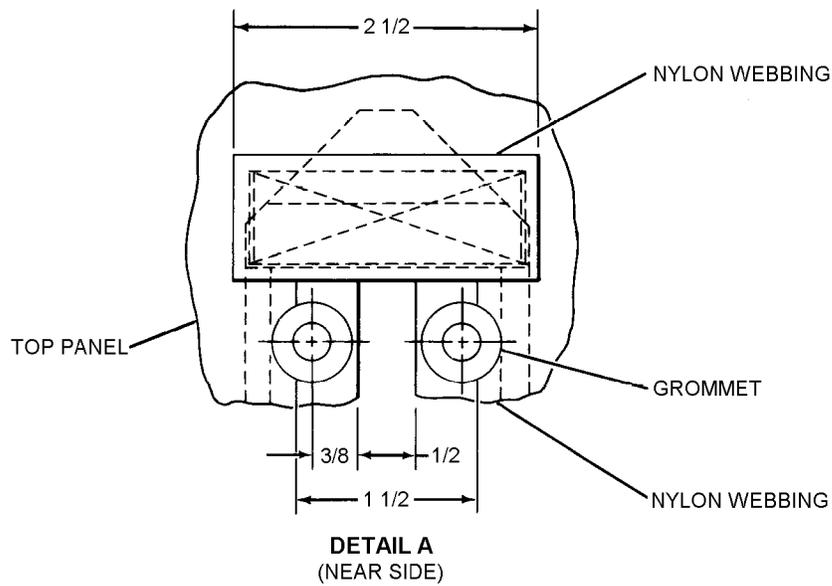


Figure 10-6. Top Panel Details and Handle Assembly, Survival Equipment Container Assembly

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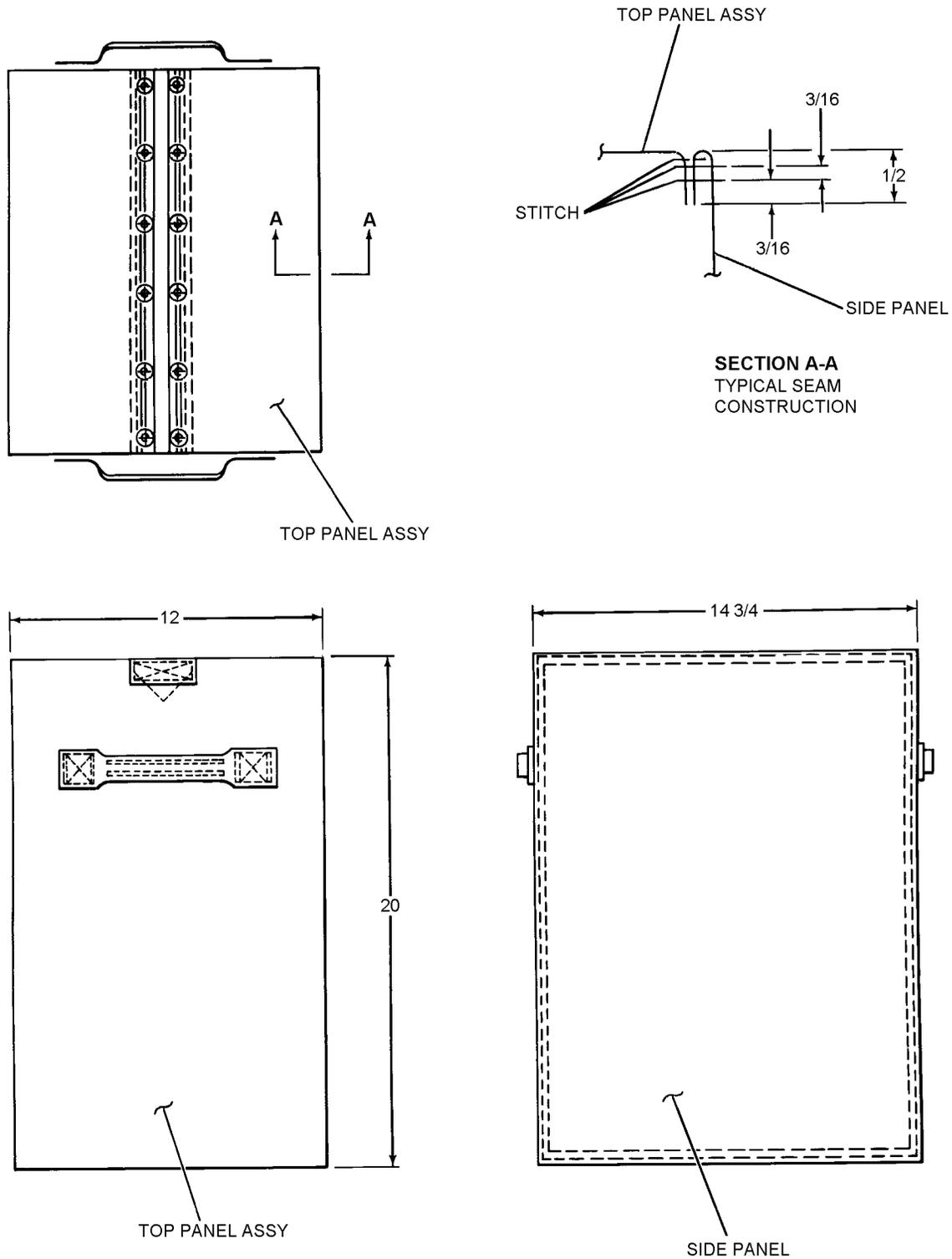


Figure 10-7. Survival Equipment Container, SAR Kit

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o. Turn the assembled survival equipment compartment assembly right-side-out. Stitch 1/8 and 3/16 inch in on all sides of the side panel catching the seam allowance, as shown in [Figure 10-7](#), [Section A-A](#).

2. Fabrication of Retaining Line Pouch Assembly. To make the retaining line pouch assemblies, refer to [figure 10-8](#) and proceed as follows:

a. Cut and sear two main panels, 15 3/4 x 38 1/2 inches.

b. Place the main pouch panel on a flat surface, and center the side panel on the main panel with 16 3/4 inches of the side panel extending beyond each 38-inch edge of the main panel. Secure the side panel to the main panel with a row of stitching 1/2 inch in from each 49 1/4-inch side of the side panel and 1/8 and 1/2 inch in from the 38-inch edge of the main panel as shown in [figure 10-8](#), [Sections B-B](#) and [C-C](#).

c. With the side panel facing downward, form one pouch corner by folding the panels so that corner No. 1 falls on top of and coincides with corner No. 2. See [Method of Forming Pouch](#) in [figure 10-8](#).

d. Stitch from the crease to the edge of the panels, parallel to the edge of the notch. The stitches shall be 1/2-inch in from the edge of the notch and shall be approximately 17 1/4 inches long. With the panels in the original position, form the second corner by placing corner No. 3 on top of corner No. 4 and stitching as before. The third and fourth corners shall be formed by mating corners Nos 5 with 6, and 7 with 8 respectively. Turn the corners right-side-out so that the seam allowance is inside. Stitch 1/16 inch in on the main panel for the full length of each vertical seam, as shown in [Figure 10-8](#), [Section A-A](#). Form a hem around the open edge of the assembled pouch by turning the raw edge under 3/8, and stitching 5/16 inch in from the open edge.

3. Attaching The Retaining Line Pouch Assemblies To The Survival Equipment Container. To attach the retaining line pouch assemblies to the survival equipment container, refer to [figure 10-9](#) and proceed as follows:

a. Attach the pouch assemblies to the survival equipment compartment assembly by mating the 14 3/4-inch sides of the pouch assemblies with the corresponding 14 3/4-inch sides of the compartment assembly so that bottoms of the three assemblies are in alignment with each other. Stitch the pouch main panel to the survival equipment compartment side panel 1/8 inch and 5/16 inch from the raw edge of the seam allowance

on the two sides and bottom of the pouch main panel, as shown in [figure 10-9](#).

b. Stitching from inside the pouch, secure the pouch main panel to the survival equipment compartment side panel. Place a row of stitching 1/8 and 5/16 inch in from the raw edges of the seam allowance at the two sides of the pouch main panel and along the inside bottom of the pouch assembly, catching the seam allowance. Place a row of stitching 1/16 and 1/4 inch in from the outside edge of the pouch hem as shown in [figure 10-9](#), [Sections A-A](#) and [B-B](#).

c. Install two grommets (MS20230B4), one on each panel common to the pouch and equipment compartment, located as shown in [figure 10-9](#), [Sections A-A](#) and [B-B](#).

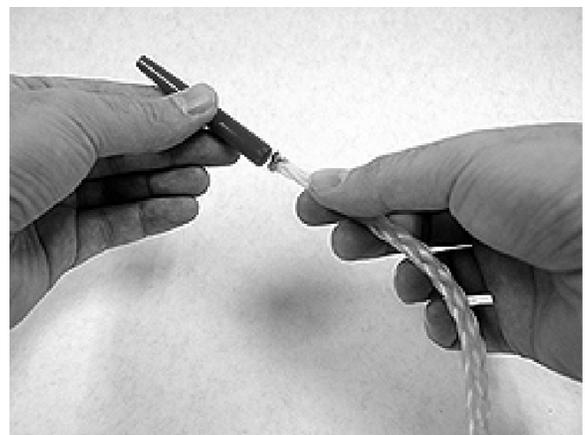
10-22. SPLICING PROCEDURES.

Materials Required

Quantity	Description	Reference Number
1	Fid, splicing 3/8-inch or equivalent	CMC Rescue (Not E)
As required	Twine, fibrous or equivalent	NIIN 00-587-0994
As required	Needle, sewing	—

Notes: 1. P.O. Box 6870
Santa Barbara, CA 93160
(800) 235-5741

1. Insert one end of rope into splicing fid.



Step 1 - Para 10-22

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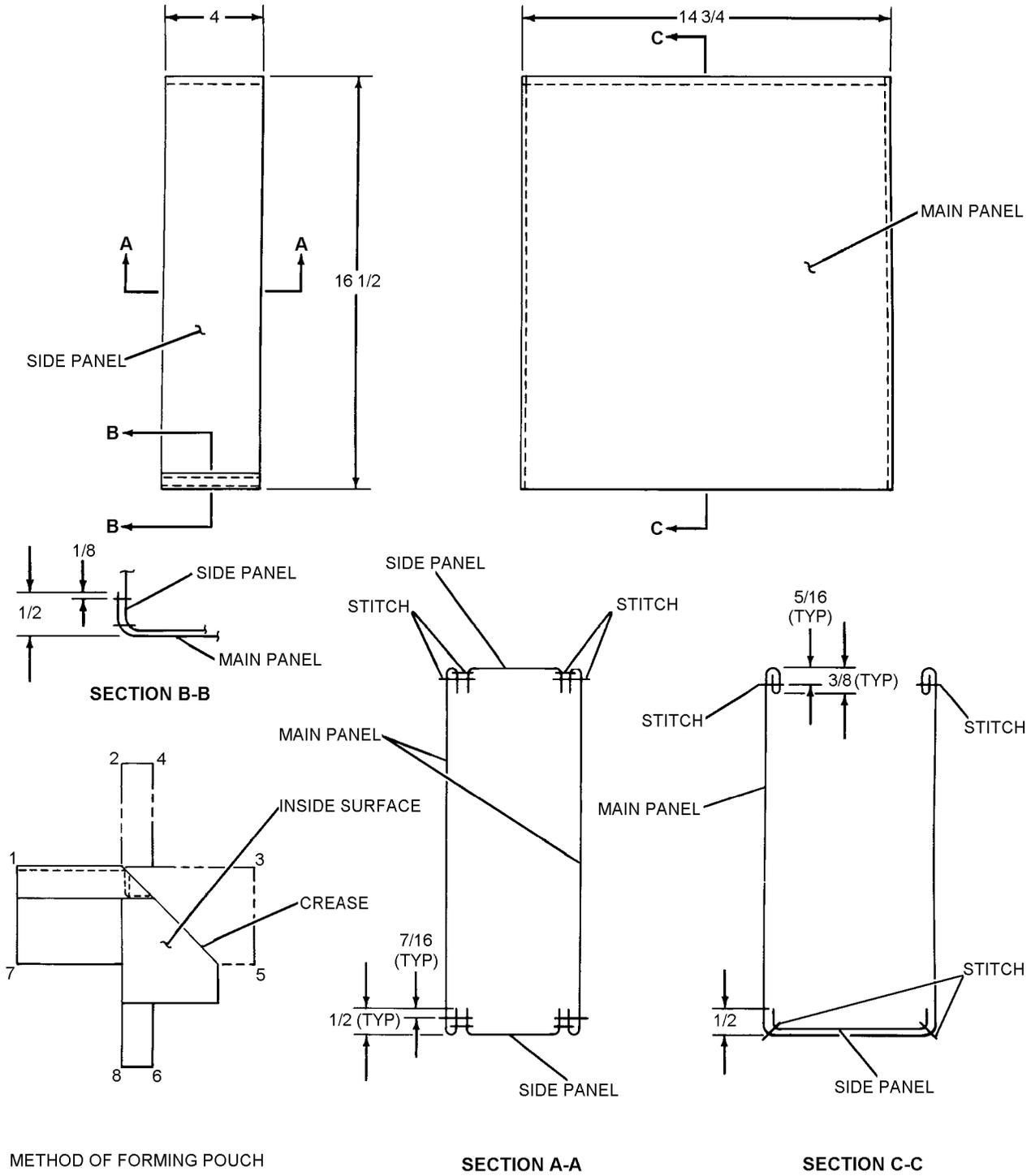


Figure 10-8. Retaining Line Pouch Assembly, Survival Equipment Container

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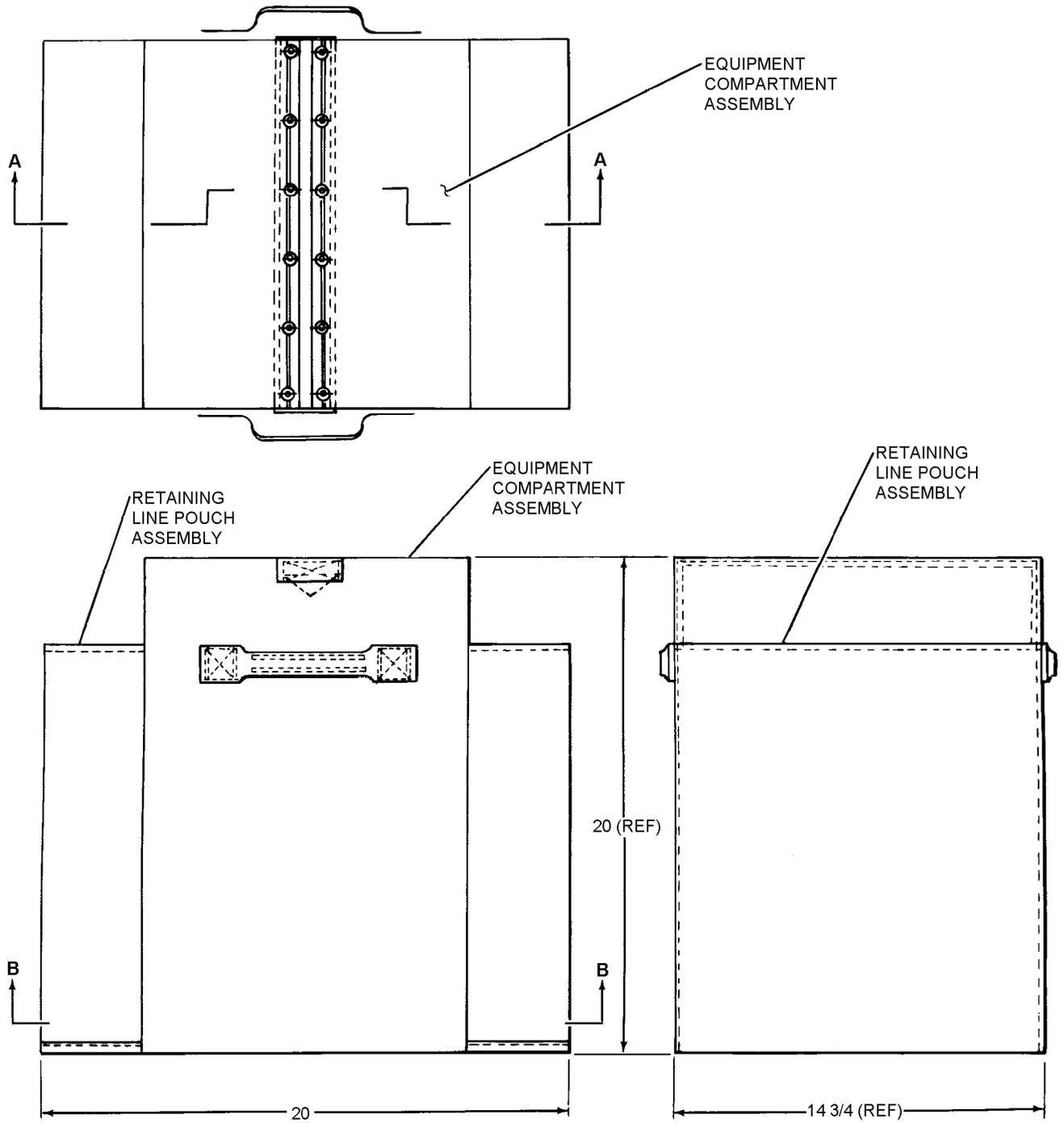
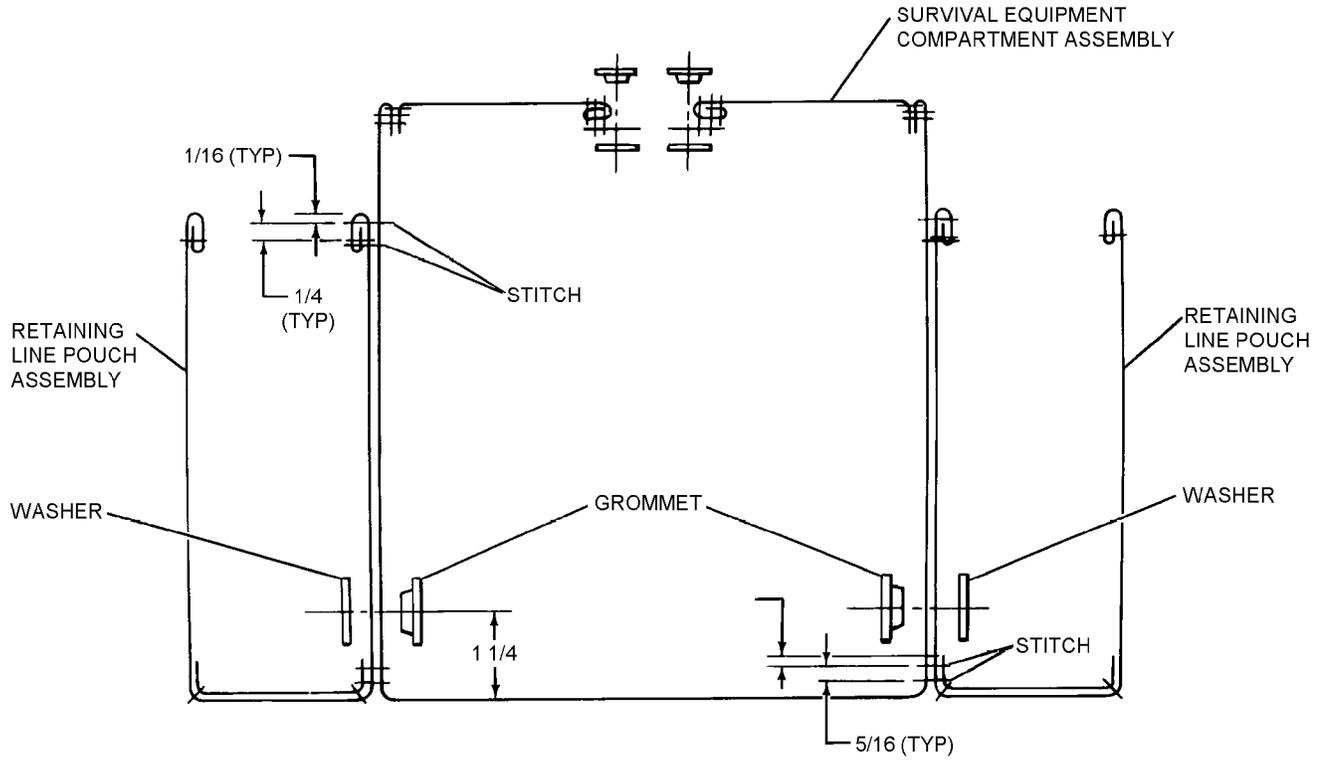
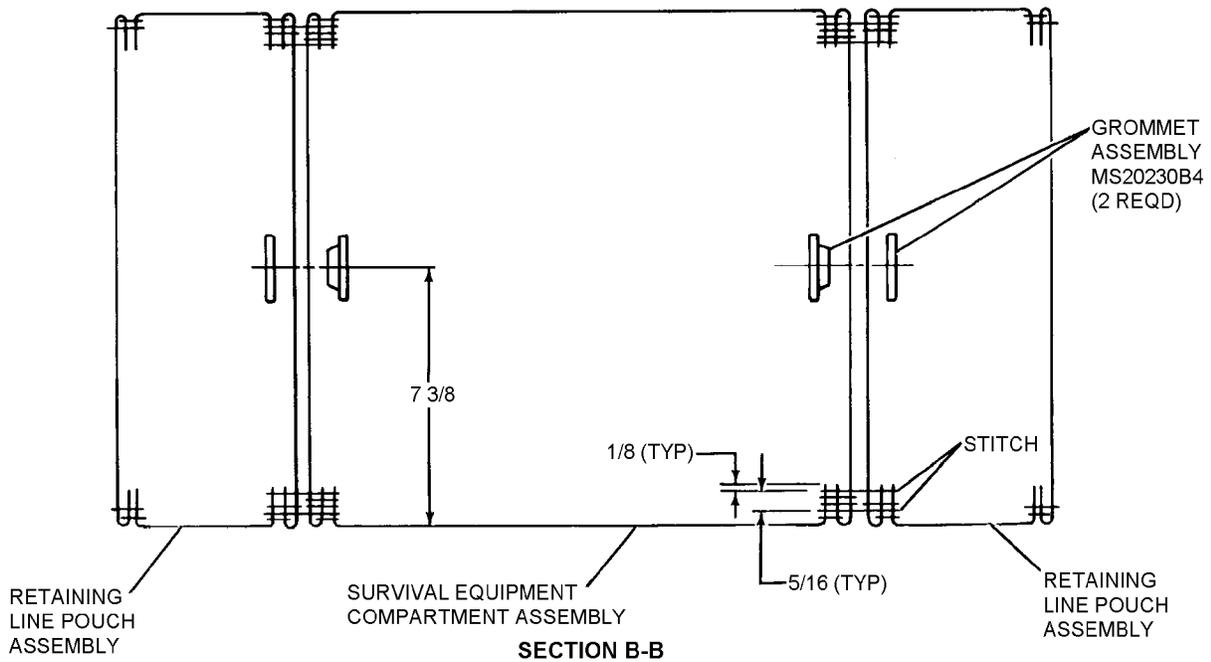


Figure 10-9. Survival Equipment Container with Pouch Assemblies, SAR Kit (Sheet 1 of 2)

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SECTION A-A



SECTION B-B

Figure 10-9. Survival Equipment Container with Pouch Assemblies, SAR Kit (Sheet 2 of 2)

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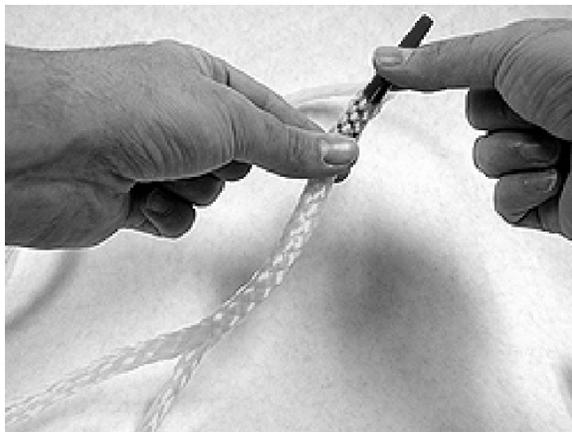
2. Select point where splice is to begin. Insert tapered end of fid between the strands at this point. As fid penetrates stitches, guide the fid down the hollow center of the rope. Push fid with right hand; at the same time, use left hand to work the rope over the fid.



Step 2 - Para 10-22

1022002

3. Six to eight inches below the starting point, bring the fid out between two strands.



Step 3 - Para 10-22

1022003



Completed splice section should measure a minimum of six inches in length.

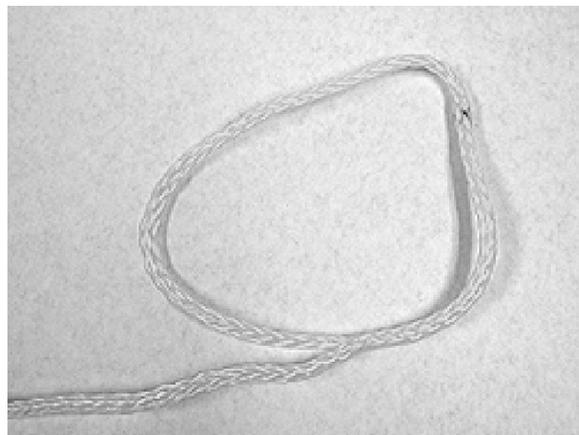
4. Remove fid from rope. Draw hand over splice to smooth and tighten splice.



Step 4 - Para 10-22

1022004

5. For maximum security the splice shall be stitched using a needle and heavy nylon, polyethylene or polypropylene twine. If a needle is not available, the fid can be used to lead the twine back and forth through the splice. Push ends of twine into hollow of rope.



Step 5 - Para 10-22

1022005

10-23. RIGGING AND PACKING.

10-24. Unless operational requirements demand otherwise, rigging and packing of the SAR Kit shall be accomplished at Intermediate Level of maintenance.

10-25. RIGGING AND PACKING PROCEDURES.

Rigging and packing procedures for the SAR Kit are accomplished in four operations as follows:

1. Preliminary Procedures. To perform preliminary procedures, proceed as follows:

a. On initial issue, perform inspection in accordance with paragraph 10-18.

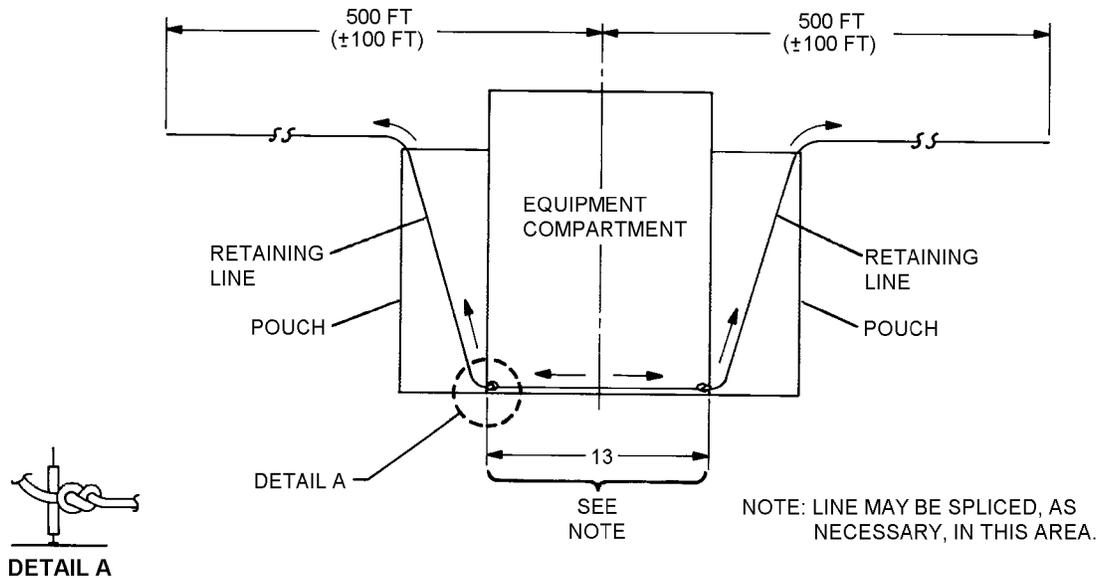


Figure 10-10. Attachment of Retaining Line

010010

b. With the two ends of 1,000-foot retaining line held together, determine mid-point and mark.

c. At a point 6 1/2 inches on each side of mid-point, tie a figure eight knot.

NOTE

If necessary, line may be spliced between these two figure eight knots (figure 10-10).

d. Pass the retaining line ends through grommets in equipment container, then up through and out top of side pouch (figure 10-10).

e. Secure a V-ring (MS22045) to each end of retaining line with an eye splice (figure 10-11). Splice line in accordance with paragraph 10-22.



Use extreme care in faking line into pouch to avoid excessive twists and kinks and provide for a rapid unfouled payout.

f. Fake each half of line back into pouch beginning with the standing part of line next to grommet.

NOTE

A flat horizontal pattern shall be formed within pouch. Do not coil line on deck and then place into pouch.

g. Prevent line from spillage by hand tacking a zig-zag pattern across opening of pouch using one turn of size E nylon thread (figure 10-1).

h. Inflate liferafts to 2 psi.

NOTE

Mast holder, socket, and oarlock components have been deleted from newly procured MK-7 liferafts. Route retaining line to newly configured liferafts in accordance with procedures outlined in step.

i. (MK-7) Pass one end of the 100-ft retaining line through mast holder until 12 feet remain. Secure line at this point to mast holder with clove hitch. Pass same end through either port or starboard oarlock, draw tight to remove any slack between mast holder and oarlock, and secure with clove hitch. Follow same procedure for passing line through stern oarlock, opposite side oarlock, and back through mast holder (figure 10-12).

j. (LRU-13/A) Remove lifeline and original line (not required for SAR Kit liferafts). Pass one end of the 100-foot retaining line through sea anchor attachment loop until 12 feet remain. Secure line to sea anchor with a clove hitch. Continue routing remaining length of line loosely around perimeter of liferaft through each lifeline attachment loop and back through sea anchor attachment loop. Line shall be secured at each lifeline loop with a clove hitch (figure 10-13).

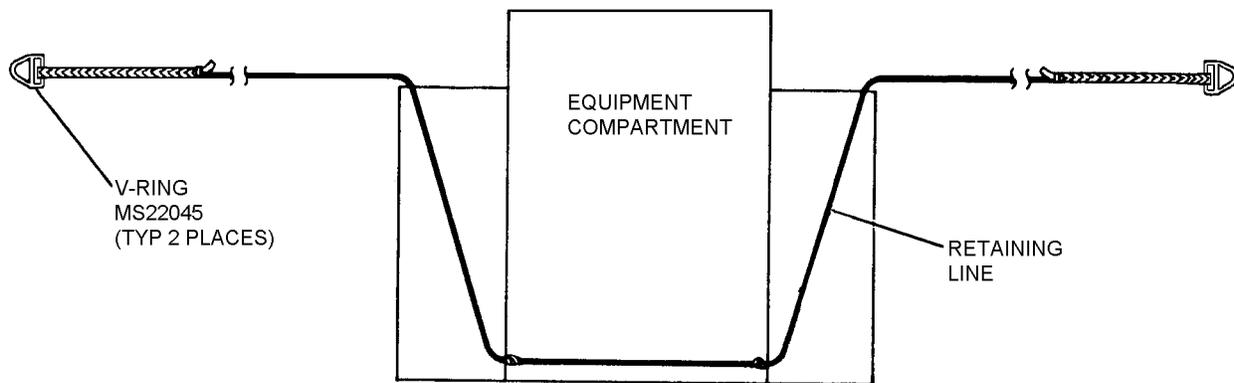
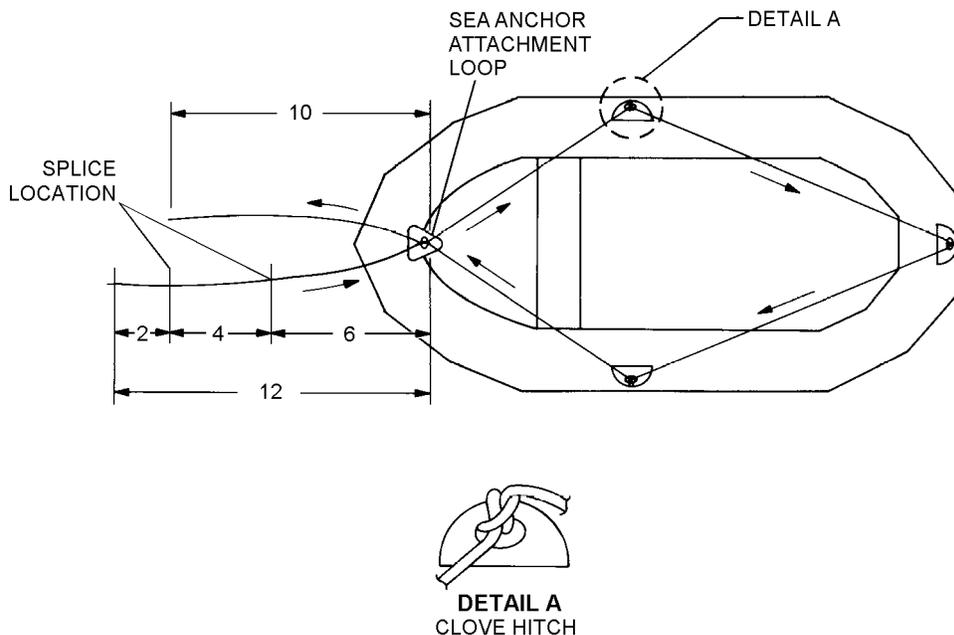


Figure 10-11. V-ring Installation

010011



NOTE: ALL DIMENSIONS IN FEET

Figure 10-12. Routing of Retaining Line to Liferaft (MK-7)

010012

NOTE

Lengths of finished retaining line are approximate. Splices shall be 6 to 8 inches in length.

k. After routing line around liferaft, there should be approximately a 12-foot and a 10-foot length of retaining line remaining. Splice the 10-foot length into the 12-foot length at a distance of approximately 6 feet from the sea anchor attachment loop. Refer to paragraph 10-22 for splicing procedures. After splicing, seal off excess retaining line.

l. Approximately 6 feet of retaining line remains beyond the first splice. Place a snap hook (MS22042-1)

onto free end of retaining line at a distance of approximately 2 feet and splice into line at that point. Finished liferaft retaining line should be approximately 10 feet.

m. Inspect and test liferafts and safety-wire inflation valve in accordance with NAVAIR 13-1-6.1-1.

2. Folding and Packing Liferaft. To fold and pack liferaft, proceed as follows:

a. Fold liferaft in accordance with Figure 10-15.

NOTE

Folded liferafts shall not exceed overall dimensions of 28 x 15 x 7 inches in order to fit into liferaft containers.

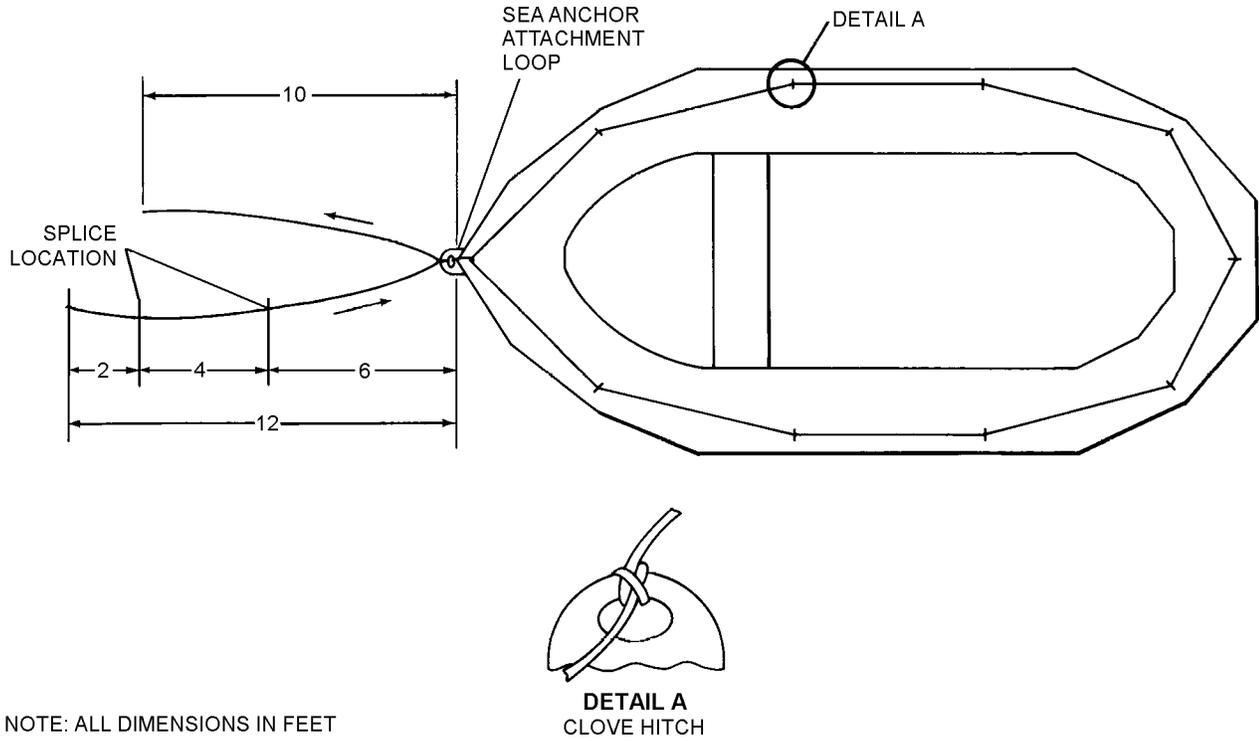


Figure 10-13. Routing of Retaining Line to Liferaft (LRU-13/A)

010013

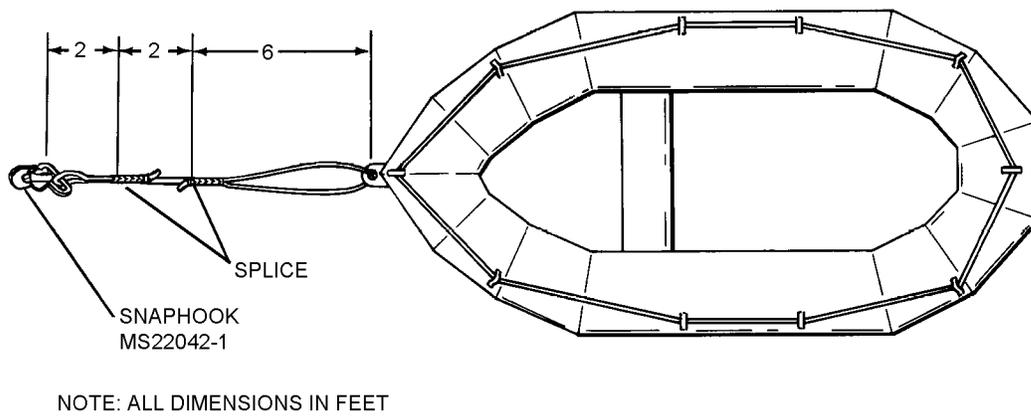
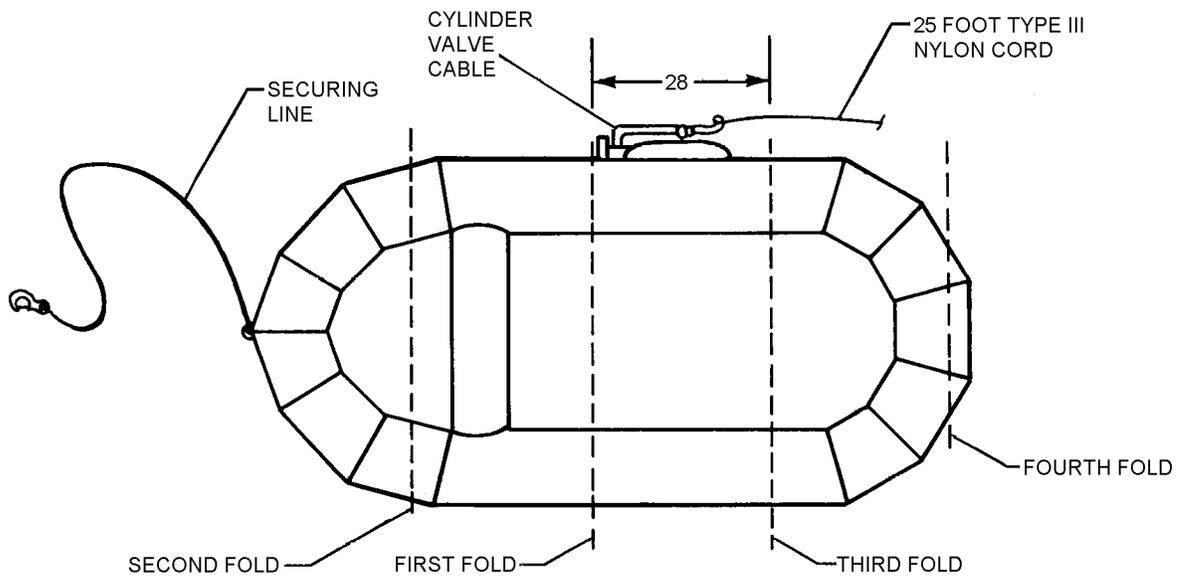
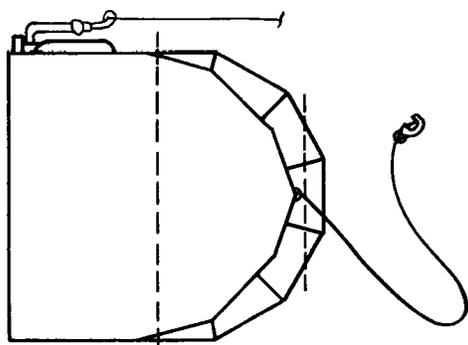


Figure 10-14. Splicing Line and Snaphook Installation (LRU-13/A)

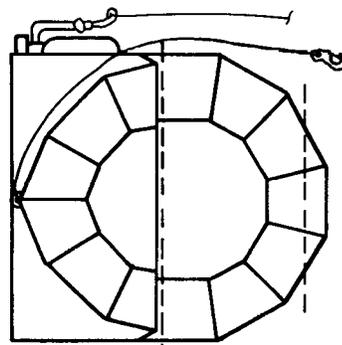
010014



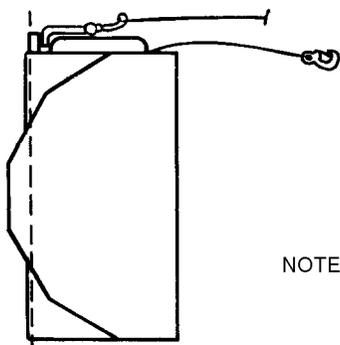
RAFT DEFLATED



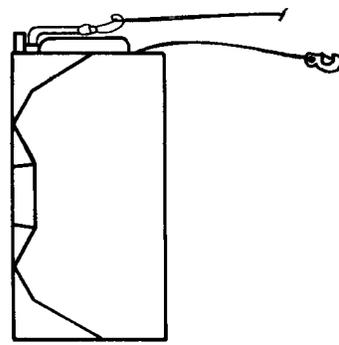
① FIRST FOLD



② SECOND FOLD



③ THIRD FOLD



④ FOURTH FOLD

NOTE: DIMENSIONS IN INCHES

Figure 10-15. Folding Liferaft (Sheet 1 of 2)

01001501

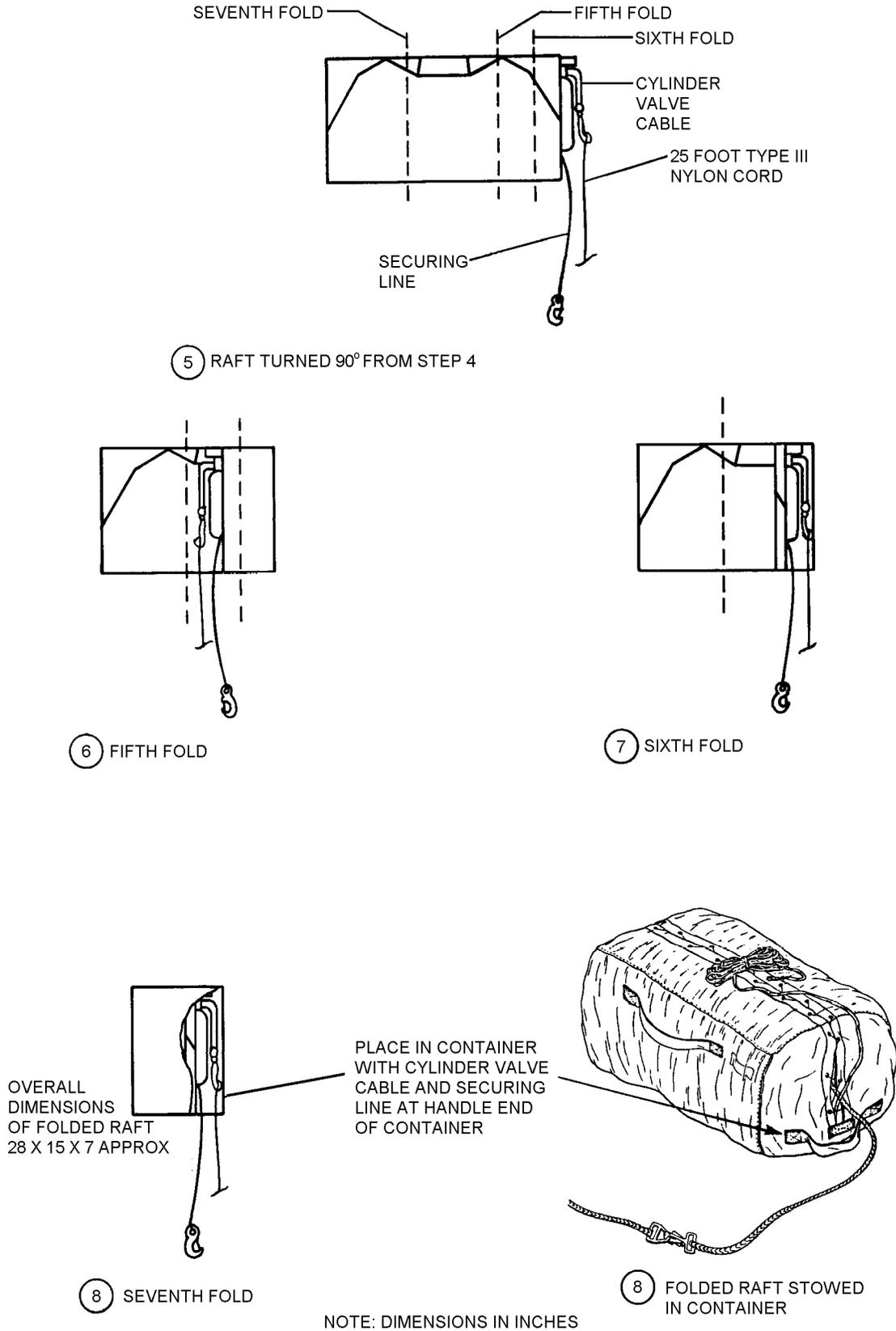


Figure 10-15. Folding Liferaft (Sheet 2 of 2)

01001502

b. Place liferaft into container with cylinder valve cable at top (end of container with handle), to allow for down-pull liferaft actuation.

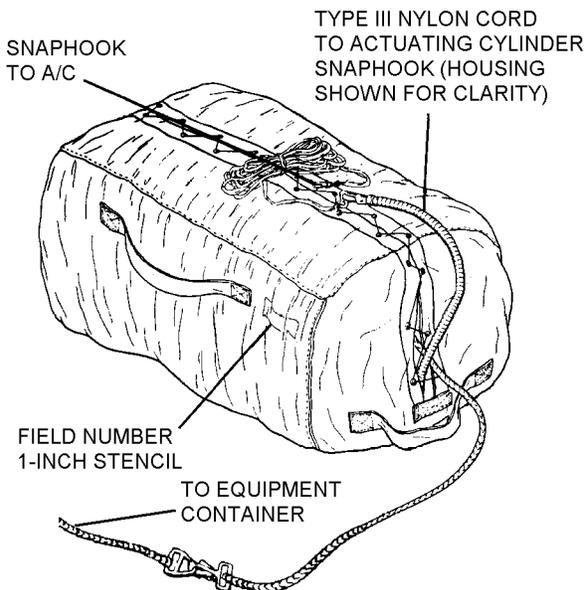
c. Close container with size FF nylon thread in a single criss-cross pattern ending with square knot.

d. Secure a 25-foot length of Type III nylon cord to actuating cable snaphook on each liferaft with a bow-line and loop. Wrap connection with tape for security. Each length of cord shall end with a spring clip for attachment to the aircraft structure. Fake lines and secure with rubberbands to prevent fouling.

Bagged Water
 Water Bags
 Hand Pumps
 Food Packets
 Compasses
 Pocket Knives
 Anti-Chap Lipsticks
 Whistles
 Dye Markers

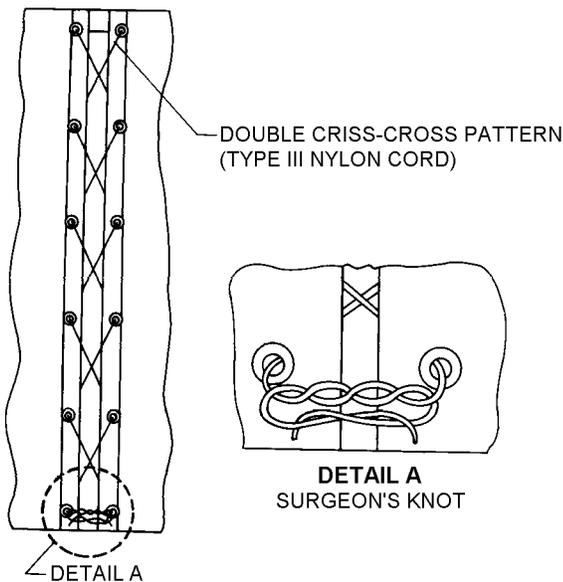
First Aid Kits
 Distress Signals
 Mirrors
 Light Markers
 Sponges
 Sunburn Preventive
 GND/AIR Emergency Codes
 Sea Anchors
 Combat Casualty Blankets

b. Secure opening of container by lacing with Type III nylon cord as shown.



Step 2d - Para 10-24

1002402d



Step 3b. Para 10-25

1002503b

3. Stowing Survival Items. To stow survival items, proceed as follows:

a. Pack items into container in a manner which will approximate a cube as follows:

4. Stowing SAR Kit in Aircraft. To stow SAR kit in aircraft, refer to applicable NATOPS procedures.

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