

INCH-POUND

MIL-S-55286E (CR)
INTERIM AMENDMENT 2 (GL)
16 December 1991
USED IN LIEU OF
AMENDMENT 1
21 MAY 1985

MILITARY SPECIFICATION

SHELTERS, ELECTRICAL EQUIPMENT, S-280()/G

This interim amendment is approved for use within the Department of the Army with MIL-S-55286E, dated 11 October 1983.

PAGE 1

- * 2.1, under "SPECIFICATIONS FEDERAL": Delete

"MIL-W-8604 - Welding of Aluminum Alloys: Process for"

PAGE 2

- * 2.1, under "STANDARDS MILITARY": Delete

"MIL-STD-169 - Extreme-Temperature Cycle"

"MIL-STD-170 - Moisture Resistance Test Cycle for Ground
Signal and Electronic Test Equipment"

Add: "MIL-STD-1595 - Qualification of Aircraft, Missile and
Aerospace Fusion Welders"

- * Under "DRAWINGS", after "SC-D-595509" Add:

"SC-B-595564 - Core Material-Urethane, Light

SC-B-595565 - Core Material-Urethane, Heavy"

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* Under "DRAWINGS", Delete:

"SM-B-947182 - Core Material-Urethane, Heavy

SM-B-947183 - Core Material-Urethane, Light"

* Add: "17-1-3274 - Shelter, Electrical Equipment, S-280C/G (Shielded)"

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* 2.2, under "ASTM" methods, Delete:

"D1692-68 - Flammability of Plastic Sheeting and Cellular Plastics"

Following the ASTM source paragraph, add the following new publication:

* "FEDERAL AIR REGULATION (FAR)

FAR 25.853 - Compartment Interior

(Application for copies should be addressed to the Flight Standards Service, Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591.)"

* 3.3.1, line 3, after "SC-B-595564,": Delete ", SM-B-947182, and SM-B-947183," and substitute "and SC-B-595565,".

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* 3.4.1: Delete and substitute:

"3.4.1 General: The electromagnetic protected shelter shall be constructed in accordance with Drawing 17-1-3274 and all subsidiary drawings and parts lists pertaining thereto and as specified herein."

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* 3.4.3: Line 3, after the first sentence, add "Welders shall be certified in accordance with MIL-STD-1595.".

* 3.4.3.1: Delete first sentence.

* 3.4.4: Line 2 delete "6.5.4 and 6.5.5" and substitute "6.4.4 and 6.4.5".

* 3.4.4.2: Delete.

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3.4.10, subparagraphs a. and b., Delete and substitute:

- "a. 1400 \pm 30 pounds without MK-1079()/G installed.
- b. 1410 \pm 30 pounds with MK-1079()/G installed."

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3.6.2, lines 4 thru 7: Delete the third sentence and substitute "There shall be no permanent deformation, buckling, delamination (see 6.4.5), sealer separation or structural weakness to any part of the shelter; except that deformation in the skids and skid mounting brackets shall not exceed 1/4 inch, and a quarter moon shaped (3 inch by 13 inch) delamination (bulge) which appears on the interior front panel along the floor between the two center members shall not be considered cause for failure."

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* 3.7.4, lines 1 thru 3: Delete "be capable of being shielded, by the addition of Modification Kit, MK-1079()/G, to".

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* TABLE I: First Article Specimens "Test para" - column for "Eye Casting Hardness" delete "4.6.24" and substitute "4.6.24.2".

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* TABLE II: Sequence of first article inspection In first column, after "Construction Tightness 2/" add "3/".

At bottom of table, after footnote 2/: Add "3/ Door portion and gasket portion only."

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* TABLE V.: Group B inspection Under "Inspection" add "Finish"; under "Req't para" add "3.4.8"; under "Test para" add "4.6.11"; and under "AQL percent" add "6.5".

* Below "Roof access steps", in "Inspection" column, add "Construction tightness 1/"; under "Req't para" add "3.7.1"; under "Test para" add "4.6.10"; and under "AQL percent" add "1.0".

* Under table V, Add "1/ Door portion and gasket portion only."

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* TABLE VI.: Group C inspection In "Inspection" column, lines 2 and 32, after "Construction tightness", add additional footnote "10/".

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* After footnote 9/: Add "10/ Door portion and gasket portion only."

4.5.2.3.1, line 2: Delete the second sentence and substitute: "In the event that the first delivery quantity is less than 50 units, the sample shall be selected from the first delivery quantity but shall be considered the sample for the first 50 units. Thereafter, one sample shall be selected from each additional 150 shelters or fraction thereof (see 3.6.2, 4.6.22, and Table VI)."

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* 4.6.1.4: Delete and substitute:

"4.6.1.4 Flammability. Flame resistance of the five specimens, each 1/2 by 1-1/2 by 7 inches, (see table I) shall be determined in accordance with FAR 25.853, Appendix F. The average extinguish time shall not exceed 15 seconds and the average burn distance shall not exceed 6 inches."

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* 4.6.6, line 6: Delete "and 3.4.4.2".

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* 4.6.10.3.2, line 2: Delete "0.005" and substitute "0.0035".

* 4.6.10.3.3: Delete the first sentence and substitute: "The entire horizontal portion of the top and bottom of the door and louver cover (except for the top of the louver cover), near each corner (paper edge shall be positioned 1/2 inch from each corner) and two places along each side at approximately 1/3 and 2/3 the height of the door, shall be inspected as follows (NOTE: Total inspection locations are 14 for the door and 11 for the louver cover):"

* 4.6.10.4.2 b., line 2: Delete "4.6.2.3.a" and substitute "4.6.10.1.3 a".

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* 4.6.11: Delete and substitute:

"4.6.11 Finish. Finish shall be inspected in accordance with the quality assurance provisions of MIL-F-14072, including paint adhesion, and 4.6.14 of this specification (see 3.4.8, Table II and Table V)."

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4.6.13, subparagraph c., Delete and substitute: "c. Flatness: 106 measurements in accordance with SM-D-947181: 4 deviations are acceptable, 5 deviations are cause for rejection of the shelter."

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4.6.24.2, line 5: Delete "5,000 kilogram load." and substitute "500 kilogram load."

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* 4.6.29: Delete first sentence.

* Line 3, delete "then".

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* 6.4.4, line 9: Delete ", 3.4.4.2".

* 6.4.5, line 10: Delete ", 3.4.4.2".

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FIGURE 4, in "Item-Req-Description" table: Delete item "13 - 4 - Oak Wedges, 1" Wide".

NOTE: Changes from previous amendment. The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodian:

Army - GL

Review activities:

Army - CR, MT

Preparing activity:

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(Project 5411-A050)