

PPP-P-25
REINSTATEMENT
September 11, 1981
SUPERSEDING
CANCELLATION NOTICE
December 21, 1979

FEDERAL SPECIFICATION
PRINTING AND STATIONARY PAPER, PACKAGING AND PACKING OF

This notice was approved by the Commissioner, Federal
Supply Service, General Services Administration.

This notice is issued to reinstate Federal Specification
PPP-P-25F, dated January 2, 1976 and Interim Amendment-1, dated
December 10, 1976.

Cancellation notice dated December 21, 1979, on Federal
Specification PPP-P-25 is hereby canceled.

FSC PACK

PPP-P-25F
 January 2, 1976
 SUPERSEDING
 Fed. Spec. PPP-P-25E
 July 7, 1969

FEDERAL SPECIFICATION

PRINTING AND STATIONERY PAPER, PACKAGING AND PACKING OF

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

1. SCOPE

1.1 This specification covers the packaging, packing, and marking of stationery paper and printing papers for shipment and storage.

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issues in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

Federal Specifications:

- L-P-378 - Plastic Sheet and Strip, Thin Gauge, Polyolefin.
- QQ-S-731 - Strapping, Steel, and Seals.
- UU-P-263 - Paper, Kraft, Wrapping.
- MM-A-188 - Adhesive; Urea-Resin-Type (Liquid and Powder).
- MM-A-250 - Adhesive Water Resistant (For Closure of Fiberboard Boxes).
- MM-A-260 - Adhesive, Water-Resistant, (For Sealing Waterproofed Paper).
- PPP-B-621 - Boxes, Wood, Nailed and Lock-Corner.
- PPP-B-636 - Boxes, Snipping, Fiberboard.
- PPP-F-320 - Fiberboard; Corrugated and Solid, Sheet Stock (Container-Grade), and Cut Snaps.
- PPP-P-1660 - Pallet, Expendable.
- PPP-S-760 - Strapping, Nonmetallic (and Connectors).
- PPP-T-45 - Tape, Gummed, Paper, Reinforced and Plain, for Sealing and Securing.
- PPP-T-60 - Tape: Packaging, Waterproof.
- PPP-T-76 - Tape, Pressure-Sensitive Adhesive Paper, (For Carton Sealing).
- PPP-T-97 - Tape, Pressure-Sensitive Adhesive, Filament Reinforced.

Federal Standards:

- Fed. Test Method Std. No. 101 - Preservation, Packaging, and Packing Materials: Test Procedures.
- Fed. Std. No. 123 - Marking for Shipment (Civil Agencies).
- Fed. Std. No. 224 - Closing, Sealing and Reinforcing of Fiberboard Shipping Boxes, General Methods for.

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

(Single copies of this specification and other Federal Specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

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Military Specification:

MIL-B-13239 - Barrier Material, Waterproofed, Flexible, All Temperature.

Military Standards:

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129 - Marking for Shipment and Storage.

MIL-STD-731 - Quality of Wood Members for Containers and Pallets.

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply.

National Motor Freight Traffic Association, Inc., Agent:

National Motor Freight Classification.

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N.W., Washington, DC 20036.)

Uniform Classification Committee, Agent:

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

Technical Association of the Pulp and Paper Industry (TAPPI) Publication:

T464 - Water Vapor Permeability of Sheet Materials at High Temperatures and High Humidity.

(Application for copies should be addressed to the Technical Association of the Pulp and Paper Industry, One Dunwoody Park, Atlanta, GA 30341.)

3. REQUIREMENTS

3.1 Packaging. Packaging shall be level A, B, or C as specified (see 6.1).

3.1.1 Level A.

3.1.1.1 Printing papers. Unless otherwise specified (see 6.1), printing paper shall be wrapped or ream marked as indicated in table III. If ream markers are required, they shall be not less than 1 inch wide by 5 inches long, nor more than 2-1/2 inches wide by 6 inches long. One end of the marker shall project not less than 1-1/2 inches nor more than 2-1/2 inches beyond the edge of the paper. The color of the marker shall be in contrast to the color of the paper. If packaging is required, the printing paper shall be completely wrapped in not less than 40 pound basis weight (24 x 36 - 500) asphalt-free kraft paper having a water permeability at 90 percent relative humidity at 100°F of not more than 1 gram per 100 square inches in 24 hours for uncreased paper, and not more than 2 grams in 24 hours for creased paper when tested as specified in 4.5.2 and creased as specified in 4.5.2.1. When wax lamination is used, the wax shall be microcrystalline wax having a melting point of not less than 140°F. The laminated sheet shall show no delamination or total wax penetration through either side of the sheet when tested as specified in 4.5.3. Other asphalt free wrapping may be used in place of the kraft paper provided it meets the specified performance requirements of the aforementioned kraft paper. The wrapping shall be sealed with a continuous strip of adhesive conforming to 161M-A-260 or 161M-A-188, a continuous strip of hot melt or other equivalent adhesive, or a continuous strip of minimum 3 inch wide tape conforming to PPP-T-60, type IV or PPP-P-76. Adhesive shall be applied in such a manner that it makes no contact with the paper being packaged. Alternatively, the paper shall be uniformly stacked in quantities specified in table III on a fiberboard or paperboard pad, the same dimensions as the printing paper. The paper shall be completely wrapped with 40 pound minimum basis weight kraft paper conforming to UU-P-26J, type I, grade B. The paper wrap shall be sealed with adhesive or

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minimum 2-inch wide tape conforming to PPP-T-45, type III. Adhesive shall be applied in such a manner that it makes no contact with the paper being packaged. The wrapped paper shall then be bagged or wrapped with polyethylene film having a minimum thickness of 0.0015 inch and conforming to L-P-378, type I, class I, grades A, B or C, finish 1. All closures or seams shall be neat sealed or sealed by double folding the plastic material at the mouth and taping it to the bag or wrap body with minimum 1-inch wide tape conforming to PPP-T-60. All heat sealed seams and closures shall conform to the heat seal strength requirements of L-P-378. Prior to or during the final closure, excess air within the bag or wrap shall be expelled.

3.1.1.2 Stationery paper (except manifold). Stationery papers in quantities of one ream (500 sheets), unless a different quantity is specified (see 6.1), shall be compactly packaged as specified in 3.1.1.1.

3.1.1.3 Manifold paper. Manifold paper in quantities of two reams (1,000 sheets) shall be compactly packaged as specified in 3.1.1.1.

3.1.2 Level B.

3.1.2.1 Printing papers. Unless otherwise specified (see 6.2), printing paper shall be wrapped or ream marked as indicated in table III. When ream markers are required, they shall be as specified in 3.1.1.1. Printing paper requiring packaging shall be compactly wrapped in wax laminated kraft paper with a minimum basis weight (24 x 36 - 500) of 25/15/25 pounds, plastic coated kraft paper with a minimum basis weight (24 x 36 - 500) of 40 pounds, or 2 mil thick plastic film conforming to L-P-373. The wrap shall be sealed with an adhesive or with gummed paper tape. Adhesive shall be applied in such a manner that it makes no contact with the paper being packaged.

3.1.2.2 Stationery papers (except manifold and blotting). Stationery papers in quantities of one ream (500 sheets) unless a different quantity is specified (see 6.1), shall be compactly packaged as specified in 3.1.2.1.

3.1.2.2.1 Manifold paper. Manifold paper in quantities of two reams (1,000 sheets) shall be compactly packaged as specified in 3.1.2.1.

3.1.2.2.2 Blotting paper.

3.1.2.2.2.1 Up to and including 8-1/2" x 11". One-hundred sheets of blotting paper of one size shall be formed into a bundle, and banded girthwise with a kraft paper band not less than three inches in width into a tight, secure package. Ten packages of blotters shall be formed into a bundle two packages in width by five packages in depth, then completely wrapped in 50 pound basis weight (24 x 36-500) kraft paper with ends neatly folded and with gummed paper tape.

3.1.2.2.2.2 Over 8-1/2" x 11". Twenty-five sheets of blotting paper of one size and color shall be formed into a bundle (flat with even edges) and either completely wrapped in 50 pound basis weight (24 x 36-500) kraft paper or secured by a 50 pound basis weight (24 x 36-500) kraft paper band not less than eight inches in width encircling the bundle girthwise. The wrapping or band shall be securely sealed with adhesive or with gummed paper tape.

3.1.3 Level C (Commercial Packaging). Printing and stationery paper shall be packaged in accordance with the supplier's standard commercial practice to provide adequate protection against physical damage during shipment from the supply source to the receiving activity.

3.2 Packing. Packing shall be level A, B or C as specified (see 6.1).

3.2.1 Level A.

3.2.1.1 Printing paper. Unless otherwise specified (see 6.1), reams and packages of printing paper, packaged or ream marked as specified in 3.1, shall be packed in a fiberboard or nailed wood box as specified in table III. The boxes shall be as specified in 3.2.1.1.1 and 3.2.1.1.2. When specified (see 6.1), skids as specified in 3.2.1.1.3 or pallets as specified in 3.2.1.2.2 shall be used.

3.2.1.1.1 Fiberboard boxes. Fiberboard boxes shall conform to PPP-B-636, style FTC-L, grade V2s, except the maximum weight limitations of table II of PPP-B-636 are waived. The depth of each box shall be slightly less than the combined height of the reams to be packed so that when the cover is applied, a compact fit will be effected. Each box shall be provided with a liner fabricated in accordance with PPP-B-636. In addition, top and bottom fiberboard pads, each having dimensions equal to the length and width of the box inside the liner,

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less 1/8 inch, shall be provided. The fiberboard for the box liner and the top and bottom pads shall conform to PPP-F-320, type CF, variety DW, grade 500 minimum. The box shall be closed in accordance with Method 106 of Fed. Std. No. 224. Alternatively, the box shall be closed by gluing the surfaces of the sides and ends of the top and bottom portions of the box with a continuously applied and bonded band of adhesive conforming to MMM-A-250, type 1.

3.2.1.1.1.1 Sealing of fiberboard boxes. Boxes closed with tape in accordance with method 106 of Fed. Std. No. 224 shall require no further sealing. Boxes closed by all other specified materials shall be sealed in accordance with Method 150 of Fed. Std. No. 224.

3.2.1.1.1.2 Reinforcing of fiberboard boxes. Boxes shall be reinforced in accordance with Method 200 of Fed. Std. No. 224.

3.2.1.1.2 Nailed wood boxes. When nailed wood boxes are specified in table III, they shall conform to PPP-B-621, class 2, style 2, 2-1/2, 3, 4 or 4-1/2 except that the minimum thickness of sides, ends, top and bottom shall be 3/4-inch and the minimum size of the cleats shall be 3/4-inch by 3-5/8-inches. Each box shall be provided with skids in accordance with the requirements of the box specification. Each box shall be strapped in accordance with the appendix to the box specification.

3.2.1.1.3 Skid packing. When specified (see 6.1), printing paper, in quantities and arrangement as specified in table V, shall be packed on expendable wood skids constructed of wood conforming to MIL-STD-731. Printing paper shall be ream marked with markers specified in 3.1.1.1. The gross weight of the skid pack shall not exceed 3,500 pounds. The paper shall be covered with a wood cap that shall be secured to the pack with strapping.

3.2.1.1.3.1 Construction of skids, cap, and method of skid packing (see fig. 1).

3.2.1.1.3.1.1 Skids. Deck boards of skids shall be not less than 1-1/16 inches thick and approximately 5-5/8 inches in width. Runners shall be not less than one piece nominal 3 inches by 8 inches. Deck boards shall be nailed to the 3-inch dimension. Length of runners shall be equal to the longest dimension of the skid for widths of 34 inches and larger and equal to the shortest skid dimension for widths less than 34 inches. Clearance between runners shall be not less than 28 inches nor more than 38 inches. Deck boards shall abut and be nailed to the runners by spacing the nails not more than two inches apart in two staggered rows. Runners shall be notched on upper face so that strapping can be applied as specified in 3.2.1.1.3.1.4. When specified (see 6.1), the skid base shall be of the modified type as shown in figure 1a.

3.2.1.1.3.1.2 Cap. Inner face of cap shall be of the same length and width as the paper stock and made of deck boards, butt-jointed, of not less than nominal 1-inch thick lumber. Each deck board shall be securely fastened to the outer face cleats with nails in two staggered rows. Outer face of cap shall consist of not less than three pieces of nominal 1-inch by 4-inch lumber which shall be the length of the larger skid dimension. Two pieces shall be nailed at each edge of inner face and the third piece shall be centered.

3.2.1.1.3.1.3 Skid loading of printing paper. The skid deck shall be covered with a sheet of barrier material conforming to MIL-B-13239, type B-2, grade A or B, stretchable. Other barrier materials meeting the physical requirements of the types, classes, and grades of MIL-B-13239 and not having asphalt as a laminant may be used. The barrier material shall extend not less than eight inches beyond each edge of the deck. Sheets of clean paperboard having the combined thickness of not less than 0.120 inch and having the same dimensions of the skid deck shall be placed on the barrier material. After loading the paper on the skid, the stack shall be wrapped with not less than 40-pound basis weight (24 x 36-500) kraft paper conforming to grade B of UU-P-268. The extended barrier material on the deck shall be folded upward and then overwrapped on the four sides and top with the same barrier material as used on the deck for wrapping the base of the tier of paper. All seams of the barrier material shall be completely closed with minimum 3 inch wide waterproof tape conforming to PPP-T-60 or PPP-T-76; waterproof adhesive conforming to MMM-A-260; or heat sealed, as applicable. A cap constructed as specified in 3.2.1.1.3.1.2 shall be placed on top of the paper over the barrier material. Edge protectors having a length equal to the height of the paper stacked on the skid shall be used on each vertical edge of the stacked load. The edge protectors shall be as follows, at the option of the supplier: (a) A strip of solid fiberboard 12 inches wide +/- 1/4-inch, and not less than 0.060 inch thick, with a middle score running lengthwise, or (b) Laminated paperboard, minimum thickness 0.225 inch, formed into a rigid angle with minimum 3 inch wide legs. When specified (see 6.1) a strip of weather-resistant triple-wall fiberboard shall be used for edge protectors.

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3.2.1.1.3.1.4 Strapping. Each skid of paper shall be secured with strapping. When steel strapping is used, it shall conform to QQ-S-781, class I, type I or IV, size 3/4 x 0.023 inch for loads of 2,000 pounds and less, and 3/4 x 0.035 inch for loads exceeding 2,000 pounds. When nonmetallic strapping is used, it shall conform to PPP-S-760; type II, size 5/8 x 0.030 inch for loads of 2,000 pounds and less, and size 1-1/4 x 0.035 inch for loads exceeding 2,000 pounds; or type III, size 1/2 x 0.030 inch for loads of 2,000 pounds and less. Each skid shall have one strap spaced not more than 4 inches from each edge of face, both lengthwise and girthwise, so that each of the four straps secure the edge protectors. In addition, an intermediate strap shall be applied lengthwise on center between the two outside lengthwise straps. All straps shall be applied straight and shall be sufficiently tensioned to prevent the load from shifting during shipment.

3.2.1.2 Stationery papers. Stationery papers, packaged as specified in 3.1, shall be packed flat in layers in boxes as specified in 3.2.1.2.1. The quantity of paper and approximate size shipping container shall be as specified in table IV.

3.2.1.2.1 Boxes. Boxes shall conform to PPP-B-636, style FTC or RSC, grade V3s or V2s except the maximum weight limitations of table II of PPP-B-636 are waived. The depth of each box shall be slightly less than the combined height of the reams to be packed so that when the box is closed, a compact fit will be effected. Style FTC boxes shall be closed in accordance with Method 106 of Fed. Std. No. 224. Alternatively, each style FTC box shall be closed by gluing the surfaces of the sides and ends of the top and bottom portions of the box with a continuously applied and bonded band of waterproof adhesive conforming to MM-A-250, type 1. Style RSC boxes shall be closed in accordance with Method 101 of Fed. Std. No. 224.

3.2.1.2.1.1 Sealing of fiberboard boxes. Boxes closed with tape in accordance with Method 106 of Fed. Std. No. 224 shall require no further sealing. All other boxes shall be sealed in accordance with Method 150 of Fed. Std. No. 224.

3.2.1.2.1.2 Reinforcing of fiberboard boxes. Boxes shall be reinforced in accordance with Method 200 of Fed. Std. No. 224.

3.2.1.2.2 Palletization. When specified (see 6.1), the packed boxes shall be placed on a pallet conforming to PPP-P-1660, type II, style 2,3,4,5,6 or 7, class B or C, grade 2, except styles 2, 3 and 7 pallets shall not be used when the load is secured by the shrink film process. Unless otherwise specified (see 6.1), the size of the pallet shall be any in the specification at the option of the supplier. The load shall be centered on the pallet in a suitable pattern to form a balanced load. The length and width of the load shall be equal to the length and width of the pallet with a tolerance of plus or minus one and one-half (1-1/2) inches from each edge. The gross weight of the loaded pallet shall not exceed 2,500 pounds and the weight of the load shall not exceed the load limit of the pallet. The height of the loaded pallet shall not exceed 60 inches. The load shall be secured to the pallet by one of the methods specified in 3.2.1.2.2.1, 3.2.1.2.2.2 or 3.2.1.2.2.3.

3.2.1.2.2.1 Adhesive. Each box shall be bonded to adjacent boxes and the pallet, as applicable, with nonfiber-tearing adhesive strips or spots. The adhesive shall be H.B. Fuller Co. F4674, Scotch-Grip brand 344550, or equal. Application of adhesive shall be in accordance with the adhesive manufacturer's instructions.

3.2.1.2.2.2 Strapping. The unit load shall be secured by steel strapping conforming to QQ-S-781, class I, type I or IV, minimum size 5/8 x 0.020 inch or nonmetallic strapping conforming to PPP-S-760; type II, minimum size 5/8 x 0.030 inch; or type III, minimum size 1/2 x 0.025 inch. A minimum of two straps shall be placed around the top, bottom and sides of the load and a minimum of two straps shall be placed around the top, bottom and ends of the load. Additional straps shall be applied when necessary to insure that the load will remain in place on the pallet during shipment and storage. Metal or plastic edge protectors shall be placed on the top edges of the pallet load under each strap. All straps shall be applied straight, tensioned to a degree that will preclude looseness on the sides or top of the load, and sealed securely.

3.2.1.2.2.3 Shrink film. The load shall be secured to the pallet by the shrink film process. Thermoplastic films used in this process shall be minimum 5 mil (0.005 inch) thick polyethylene film, minimum 4 mil (0.004 inch) nylon reinforced polyethylene film, or minimum 2.5 mil (0.0025 inch) polyvinyl chloride film. Shrinking of the film shall be in accordance with industry practice.

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3.2.2 Level B.

3.2.2.1 Printing papers. Reams and packages of printing papers, packaged or ream marked as specified in 3.1, shall be packed in close-fitting fiberboard or nailed wood boxes conforming to 3.2.2.1.1 and 3.2.2.1.2 as specified in table III or when specified (see 6.1) on skids as specified in 3.2.2.1.3 or pallets as specified in 3.2.2.1.4. Unless otherwise specified in table III, reams of paper shall be packed flat stacked one on top of the other. When skid packing is specified, fiberboard or nailed wood boxes will not be required. When specified (see 6.1), printing paper, except dot gummed paper as listed in table V shall be ream marked and packed directly on skids as specified in 3.2.1.1.3 except that length, width, and clearance between runners shall be as shown on table V for size paper being packed. Dot gummed paper listed in table V shall be wrapped as specified in 3.1.1.1 and packed five (5) reams to a box as specified in 3.2.2.1.1.

3.2.2.1.1 Fiberboard boxes. Unless otherwise specified (see 6.1), each fiberboard box shall conform to PPP-B-636, class domestic, type CF, variety SW or DW, style FTC or RSC, grade 275 for net weights of 65 pounds or less and grade 350 for net weights in excess of 65 pounds. The depth of each box shall be slightly less than the combined height of the reams to be packed so that when the box is closed, a compact fit will be effected. Style FTC boxes shall be closed in accordance with Method 125 of Fed. Std. No. 224. Style RSC boxes shall be closed in accordance with Method 120 or 121 of Fed. Std. No. 224. Each box shall be reinforced in accordance with Method 210 of Fed. Std. No. 224. When specified (see 6.1), the boxes shall be class weather resistant in lieu of class domestic.

3.2.2.1.2 Nailed wood boxes. Each nailed wood box shall conform to PPP-B-621, class 1, style 2, 2-1/2, 3, 4, or 4-1/2. Each box shall be strapped in accordance with the appendix to the box specification.

3.2.2.1.3 Skid packing. When specified (see 6.1), printing paper shall be packed on nonreturnable wood skids as specified in 3.2.1.1.3.

3.2.2.1.3.1 Construction of skids and cap. The construction of the skids and caps shall be as specified in 3.2.1.1.3.1.1 and 3.2.1.1.3.1.2.

3.2.2.1.3.2 Skid loading of printing paper. The skid deck shall be covered with a sheet of waterproof wrapping paper or sheets of clean paperboard having a combined thickness of 0.060 inch. The deck covering shall have the same dimensions as the skid deck. The printing paper shall be completely wrapped with laminated waterproof wrapping paper with a minimum total basis weight (24 x 36-500) of 110 pounds. The laminating medium shall be microcrystalline wax or polyethylene, at the option of the supplier. The printing paper shall be loaded on the skid and all seams of the wrapping paper shall be completely closed with minimum 3 inch wide waterproof tape conforming to PPP-T-60 or PPP-T-76; waterproof adhesive conforming to AAA-A-260; or not melt adhesive, as applicable. A cap constructed as specified in 3.2.1.1.3.1.2 shall be placed on top of the paper over the barrier material. Edge protectors having a length equal to the height of the paper stacked on the skid shall be used on each vertical edge of the stacked load. The edge protectors shall be as follows, at the option of the supplier: (a) a strip of fiberboard 12 inches wide conforming to PPP-F-320, class domestic, type CF or SF, grade 275 minimum, with a middle score running lengthwise, or (b) laminated paperboard, minimum thickness 0.225 inch, formed into a right angle with 3 inch wide legs.

3.2.2.1.3.3 Strapping. Strapping used to secure each skid of paper shall be as specified in 3.2.1.1.3.1.4.

3.2.2.1.4 Palletization. When specified (see 6.1), printing paper of the same type and size, packaged and packed as specified in 3.1 and 3.2.2.1 shall be unit loaded on expendible pallets as specified in 3.2.1.2.2. When specified (see 6.1), other types of pallets shall be used.

3.2.2.2 Stationery papers. Stationery papers, packaged as specified in 3.1, shall be packed flat in layers, in boxes as specified in 3.2.2.1. The quantity of paper and approximate size shipping container shall be as specified in table IV. When specified (see 6.1) stationery paper listed in table V shall be packed as specified in 3.2.2.1 for printing papers listed in table V.

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3.2.2.2.1 Boxes. Unless otherwise specified (see 6.1), boxes shall conform to PPP-B-636, class domestic, style RSC or FTC, grade 275 for net weights less than 65 pounds; and grade 350 for net weights of 65 pounds or more. The depth of each box shall be slightly less than the combined height of the reams to be packed so that when the box is closed, a compact fit will be effected. Style FTC boxes shall be closed in accordance with Method 125 of Fed. Std. No. 224. Style RSC boxes shall be closed in accordance with Method 121 of Fed. Std. No. 224. When specified (see 6.1), the boxes shall be class weather resistant in lieu of class domestic.

3.2.2.2.2 Palletization. When specified (see 6.1), stationery papers of the same description, packaged and packed as specified in 3.1 and 3.2.2.2 shall be unit loaded on pallets as specified in 3.2.1.2.2.

3.2.3 Level C. Printing and stationery papers, packaged as specified in 3.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. Containers shall be in accordance with the Uniform Freight Classification rules or National Motor Freight Classification rules, as applicable.

3.3 Marking.

3.3.1 Civil agencies. In addition to the special marking required by 3.3.3 and any special marking required by the contract or order (see 6.1), marking shall be in accordance with Fed. Std. No. 123.

3.3.2 Military requirements. In addition to the special marking required by 3.3.3 and any special marking required by the contract or order (see 6.1), marking shall be in accordance with MIL-STD-129.

3.3.3 Special marking.

3.3.3.1 Skids of paper. Each skid of paper shall be marked to indicate the side where the ream markers are placed.

3.3.3.2 Wood boxes. Nailed wood boxes shall be marked on the top with the legend "THIS SIDE UP"

3.4 Paper sizes not listed in tables III, IV, and V. When the contract or order specifies sizes or basis ream weights, or both, of printing or stationery paper not listed in tables III, IV, or V, as applicable, wrapping, packaging and packing shall be in accordance with the next larger size (area) and the next heavier ream weight of the same grade of paper if such requirements are not specified in the contract or order. Shipping container dimensions and liner dimensions of the next larger size or weight, or both, shall be modified for snug packing of the paper. When the specified size or ream weight exceeds the largest size or ream weight of the tables, the paper shall be prepared for delivery in accordance with the largest size or ream weight listed for the same grade of paper, except that nailed wood boxes shall be used in place of fiberboard boxes when content weights exceed 260 pounds. When paper in the form of rolls is specified, the rolls shall be snugly packed in FTC-L boxes (with liner) and top and bottom pads for content weights of 260 pounds and under, and in nailed wood boxes when content weight exceeds 260 pounds.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 Sampling for inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated herein. The sample unit shall be as specified in 4.3, 4.4.1.1 or 4.4.1.2 as applicable. The lot size shall be the number of shipping containers, skid loads or pallet loads of each stock item offered for delivery at one time. The inspection levels and acceptable quality levels shall be as specified in 4.4.1.3.

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4.2.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be inspected and tested in accordance with all the requirements of referenced specifications, drawings and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.

4.3 Testing of components. Testing of components described in this specification and changes in the testing of components listed in subsidiary specifications shall be as shown below. Results shall apply to the lot average unless otherwise specified in subsidiary specifications.

| Component | Characteristics | Requirement | Test para. | Sample unit (inches) | No. of sample units to test |
|----------------------|-------------------|---------------|------------|-------------------------|-----------------------------------|
| Kraft paper----- | Basis weight----- | 3.1.2.1 | 4.5 | 10 x 10 | 10 |
| Edge protectors----- | Thickness----- | 3.2.1.1.3.1.3 | 4.5 | 2 3 x 3 panels | 5 |

4.4 Inspection of the end item.

4.4.1 Examination of the end item. Examination of the end item shall be in accordance with the classification of defects at the inspection levels and acceptable quality levels (AQLs) set forth in 4.4.1.3.

4.4.1.1 Examination of the end item for defects in packaging, packing, and marking. (See table 1.) An examination shall be made to determine that packaging, packing, and marking as required by section 3 of this specification are complied with. The sample unit for this examination shall be one (1) shipping container, skid, or pallet (as applicable). The lot shall be expressed in units of shipping containers, skids, or pallets (as applicable).

TABLE 1. Examination for packaging, packing and marking

| Examine | Defect | Category | |
|---------------------------|--|----------|-------|
| | | Major | Minor |
| Package Paper | Not compactly wrapped and sealed..... | 101 | 201 |
| | Adhesive when specified contacts paper within package... | | |
| | Manifold paper not in quantity of two reams..... | 102 | |
| | Blotting paper not quantity specified..... | 103 | |
| | Not packaged and bundled as specified..... | 104 | |
| Packing Fiberboard box | Not compact fit..... | 105 | 202 |
| | Paper not packed flat..... | | |
| | Liner or pad missing when specified..... | 106 | |
| | Reinforcement missing when specified..... | 107 | 203 |
| | Tape not applied evenly..... | | |
| | Gluing when specified not bonding continuously..... | 108 | |
| | Straps not applied as specified..... | 109 | |
| Hailed wood box | Straps not applied as specified..... | 110 | |
| Skid packing Barrier | Kraft paper wrap missing..... | 112 | 204 |
| | Paperboard sheets missing from bottom interior..... | | |
| | Barrier material on skid does not extend minimum eight inches beyond load..... | | 205 |
| | Barrier material not folded, overwrapped and sealed as specified..... | 113 | |
| | Edge protector not size specified..... | | 206 |
| | One or more edge protectors missing..... | 114 | |
| | Edge protector not material specified..... | 115 | 207 |
| | Not center scored (when required)..... | | |
| | Cap not positioned on top of paper over barrier..... | 116 | |
| | Gross weight exceeds that specified..... | 117 | 208 |
| | Not size specified..... | 118 | |
| Weight Strapping | Not placed over edge protectors..... | 119 | |
| | More than 4 inches from edge of face..... | | |
| | Less than four straps..... | 120 | |
| | Strapping not sufficiently tensioned..... | 121 | |

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TABLE I. Examination for packaging, packing and marking (con.)

| Examine | Defect | Category | |
|---------|--|----------|-------|
| | | Major | Minor |
| Pallets | Gross weight exceeds 2,500 pounds..... | 122 | |
| | Straps not positioned as specified..... | 123 | |
| | One or more edge protectors missing..... | 124 | |
| | Strip adhesive when specified caused damage or break-away from containers..... | | 209 |
| Marking | Omitted, incomplete, incorrect, illegible, of improper size, location, sequence or method of application.... | 125 | |
| | Ream markers missing when specified..... | 126 | |

4.4.1.2 Examination of shipping components for construction and condition defects. (See table II.) The sample unit for this examination shall be one (1) box, skid, cap or pallet (as applicable). The lot shall be expressed in units of applicable components.

TABLE II. Examination of shipping components for construction and condition defects

| TABLE 11. Examination of shipping components for construction and condition defects | | Category | |
|---|---|----------|-------|
| Examine | Defect | Major | Minor |
| Construction | | | |
| Fiberboard box | Not type specified..... | 101 | |
| | Depth of box greater than specified..... | | 201 |
| Liner | Not double-wall fiberboard..... | 102 | |
| Nailed wood box | Minimum thickness of sides, top, bottom and ends less than specified..... | 103 | |
| | Cleats less than specified size..... | 104 | |
| | Skids missing..... | 105 | |
| | Not expendable type..... | 106 | |
| | Not assembled as specified..... | 107 | |
| Skids | Dimensions less than minimum specified..... | | 202 |
| | Not square..... | | 203 |
| | Nails more than 2 inches apart..... | 108 | |
| | Notches missing on upper face of runners or deck boards. | 109 | |
| Cap | Deck boards not butt jointed..... | | 204 |
| | Nails not in two staggered rows for fastening deck boards to face cleats..... | 110 | |
| | One or more pieces missing from outer face of cap..... | 111 | |
| | Length and width dimensions less than paper stock..... | 112 | |
| Pallets | Out of square..... | | 205 |
| | Does not provide for handling with hand lift truck..... | 113 | |
| | Dimensions exceed those specified..... | | 206 |
| Condition | | | |
| Fiberboard boxes | Fiberboard dirty, torn or unduly scuffed..... | | 207 |
| Skids, cap or pallets | Nails protruding or not properly clinched..... | 114 | |
| | Split, damaged or broken boards..... | 115 | |
| | Knots which cause weakness in boards or in nailing..... | 116 | |

4.4.1.3 Inspection levels and acceptable quality level (AQLs) for examination. The inspection levels for determining the sample size and the acceptable quality levels (AQLs) expressed in defects per 100 units shall be as follows:

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| Examination paragraph | Inspection level | AQLs | |
|-----------------------|------------------|-------|-------|
| | | Major | Total |
| 4.4.1.1 | S-2 | 2.5 | 10.0 |
| 4.4.1.2 | S-2 | 2.5 | 10.0 |

4.5 Tests.

4.5.1 Paper and fiberboard tests. Paper and fiberboard shall be tested in accordance with the methods of Federal Test Method Std. No. 101 for the following characteristics:

| | |
|--------------------------------------|------|
| Thickness | 1J03 |
| Basis weight of Paper and Paperboard | 5022 |

4.5.2 Moisture vapor permeability test (see 3.1.1.1). The test shall be performed in accordance with TAPPI Standard 1464. The test specimen does not require conditioning before testing.

4.5.2.1 Creasing specimen for moisture vapor permeability test (see 3.1.1.1). Fold a 3 x 3 inch specimen so that the corners of the specimen diagonally coincide. Partially crease the specimen so that it can be positioned for creasing in a semi-creased condition by running the thumb and forefinger parallel to, but not touching, the folded edge. Place the partially folded specimen on the base plate of an apparatus consisting of a smooth flat base plate having hinged to it at one edge a top plate weighing 10 + 1/4 pounds capable of matching and surfacing the base plate. Position the specimen so that the folded edge faces the hinge at the approximate center of the base plate. Lower the top plate on the specimen. After not less than 30 seconds, raise the top plate, remove the specimen and repeat the procedure to make a crease on the other side of the specimen and at right angles to the first crease.

4.5.3 Delamination and penetration (see 3.1.1.1). A 6 x 6 inch specimen shall be placed in an oven at a temperature of 140°F. After 5 hours at 140°F, the specimen shall be removed from the oven and visually examined for delamination and wax penetration to either outside surface of the laminated sheet.

5. PREPARATION FOR DELIVERY. This section is not applicable to this specification.

6. NOTES

6.1 Ordering data. Purchasers should select the preferred options permitted herein, and include the following information in procurement documents:

- (a) Title, number, and date of this specification.
- (u) Selection of applicable levels of packaging and packing (see 3.1 and 3.2).
- (c) If special packaging is required (see 3.1.1.1 and 3.1.2.1).
- (d) If quantity to be wrapped is other than one ream (see 3.1.1.2 and 3.1.2.2).
- (e) If special packing is required (see 3.2.1.1).
- (f) When skid packs or pallets are required for level A (see 3.2.1.1, 3.2.1.1.3, and 3.2.1.2.2).
- (g) When modified skid base is required (see 3.2.1.1.3.1.1).
- (n) When weather-resistant triple-wall fiberboard shall be used for edge protectors (see 3.2.1.1.3.1.3).
- (i) When a specific size pallet is required (see 3.2.1.2.2).
- (j) When skid packs or pallets are required for level B (see 3.2.2.1, 3.2.2.1.3, and 3.2.2.1.4).
- (k) When fiberboard boxes shall be other than style FTC or RSC for level B (see 3.2.2.1.1 and 3.2.2.2.1).
- (l) When weather-resistant boxes are required for level B (see 3.2.2.1.1 and 3.2.2.2.1).
- (m) If a different type of pallet is required (see 3.2.2.1.4).
- (n) When skid packing is required for stationery paper (see 3.2.2.2).
- (o) Special marking required (see 3.3.1 and 3.3.2).

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6.2 Position of packed nailed wood boxes. When nailed wood boxes are the shipping containers, the boxes should be shipped in railroad cars or trucks in the upright position with skids on the bottom.

6.3 Although table III may not require ream wrapping for some items, if wrapping of these items is desired by the ordering agency, it should be specified in the applicable procurement documents.

6.4 Definitions. Stationery papers are generally considered those sizes 8-1/2 x 15-inches and smaller. Printing papers generally are those larger than 8-1/2 x 15-inches.

MILITARY INTEREST:Custodians:

Army - GL
Navy - SA
Air Force - 84

Review activities:

Army - SM
Navy - SA
Air Force - 84

User activity:

Navy - MC

Preparing activity:

GSA-FSS

CIVIL AGENCY COORDINATING ACTIVITIES:

AGR - APS
COM - NBS
GPO
GSA - FSS
HEW - SSA
IIT - GES
JUS - FPI
VA - DMS

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TABLE III. Packaging and packing of printing papers

| Nomenclature | Size | Ream | | Wrapped | Ream marked with marker placed length-wise | Shipping container | | Type |
|--|-----------------|--------|-----------------------|-------------------|--|--|------------|----------------|
| | | Weight | Approximate thickness | | | Approximate inside length and width (inside of liners) | Quantity | |
| | Inches | Pounds | Inches | | | Inches | | Pounds |
| Cardboard, railroad, JCP-Q20, 0.018 inch (UU-C-201, type II). | 22 x 28 | 144 | 9 | 50 sheet packages | ---- | 28 x 22 | 6 packages | 88 Fiberboard |
| | 32 x 42 | 314 | 9 | 50 sheet packages | ---- | 42 x 32 | 2 packages | 63 Fiberboard |
| Cardboard, railroad, JCP-Q20, 0.030 inch (UU-C-201, type II). | 22 x 28 | 240 | 15 | 50 sheet packages | ---- | 28 x 22 | 6 packages | 144 Fiberboard |
| Cardboard, railroad, JCP-Q20, 0.048 inch (UU-C-201, type II). | 22 x 28 | 384 | 24 | 50 sheet packages | ---- | 28 x 22 | 3 packages | 115 Fiberboard |
| | 28 x 44 | 768 | 24 | 50 sheet packages | ---- | 44 x 28 | 2 packages | 154 Fiberboard |
| Cardboard, wood, JCP-Q40, sub. 75, (22-1/2 x 28-1/2 - 75/500) (UU-C-201, type III). | 22-1/2 x 28-1/2 | 75 | 5 | 50 sheet packages | ---- | 28-1/2 x 22-1/2 | 6 packages | 45 Fiberboard |
| Paper, blotting, colored, sub. 100, (19 x 24 - 100/500) (UU-P-63, grade B) JGP 0-21. | 19 x 24 | 100 | ---- | 25 sheet packages | No | 24 x 19 | 5 packages | 25 Fiberboard |
| | 24 x 38 | 200 | ---- | 25 sheet packages | No | 38 x 24 | 5 packages | 50 Fiberboard |
| Paper, bond, 25 percent, JCP-G40, sub. 16, (17 x 22 - 16/500) (UU-P-121, type III). | 16 x 21 | 14.37 | 1.55 | No | Yes | 32 x 21 | 8 reams | 115 Fiberboard |
| | 17 x 22 | 16.00 | 1.55 | No | Yes | 34 x 22 | 6 reams | 96 Fiberboard |
| | 22 x 34 | 32.00 | 1.55 | No | Yes | 34 x 22 | 4 reams | 128 Fiberboard |
| | 32 x 42 | 51.44 | 1.55 | No | Yes | 42 x 32 | 2 reams | 115 Fiberboard |
| Paper, bond, JCP-G40, sub. 20, (17 x 22 - 20/500) (UU-P-121, type III). | 22 x 17 | 20.00 | 2 | Yes | No | 22 x 17 | 6 reams | 120 Fiberboard |
| | 32 x 42 | 71.87 | 2 | Yes | No | 42 x 32 | 1 ream | 72 Fiberboard |
| Paper, bond, JCP-G10, sub. 20 (17 x 22 - 20/500) (UU-P-121, type IV). | 16 x 21 | 17.97 | 2 | Yes | No | 32 x 21 | 6 reams | 108 Fiberboard |
| | 17 x 22 | 20.00 | 2 | Yes | No | 34 x 22 | 6 reams | 120 Fiberboard |
| | 22 x 34 | 40.00 | 2 | Yes | No | 34 x 22 | 3 reams | 120 Fiberboard |
| | 32 x 42 | 71.87 | 2 | Yes | No | 42 x 32 | 1 ream | 72 Fiberboard |
| Paper, writing, JCP-U10, sub. 16, (17 x 22 - 16/500) (UU-P-121, type V). | 16 x 21 | 14.37 | 1.55 | Yes | No | 32 x 21 | 8 reams | 115 Fiberboard |
| | 17 x 22 | 16.00 | 1.55 | Yes | No | 34 x 22 | 8 reams | 128 Fiberboard |
| | 22 x 34 | 32.00 | 1.55 | Yes | No | 34 x 22 | 4 reams | 128 Fiberboard |
| | 32 x 42 | 57.50 | 1.55 | Yes | No | 42 x 32 | 1 ream | 58 Fiberboard |
| Paper, writing, JCP-U10, sub. 20, (17 x 22 - 20/500) (UU-P-121, type V). | 21 x 32 | 35.94 | 2 | Yes | No | 32 x 21 | 3 reams | 108 Fiberboard |
| | 22 x 34 | 40.00 | 2 | Yes | No | 34 x 22 | 3 reams | 120 Fiberboard |

TABLE III. Packaging and packing printing papers (con.)

| Nomenclature | Size | Ream | | Wrapped | Ream marked with marker placed length-wise | Shipping container | | | |
|--|------------------------------------|--------------------|-----------------------|---|--|--|----------------------------------|------------------------|--|
| | | Weight | Approximate thickness | | | Approximate inside length and width (inside of liners) | Quantity | Approximate net weight | Type |
| | Inches | Pounds | Inches | | | Inches | | Pounds | |
| Paper, cover, litho coated, JCP-L10, sub. 60 (20 x 26 - 60/500) (UU-P-196, type I). | 20 x 26 23 x 35 | 60 96 | 6.16 6.16 | Yes 100 sheet packages | ---- | 40 x 26 35 x 23 | 4 reams 3 reams | 240 288 | Nailed wood Nailed wood |
| Paper, cover, antique finish, JCP-L20, sub. 50 (20 x 26 - 50/500) (UU-P-196, type II, class A). | 16 x 21 20 x 26 26 x 40 | 32.31 50 100 | 3.85 3.85 3.85 | Yes 200 sheet packages 200 sheet packages | ---- | 32 x 21 40 x 26 40 x 26 | 4 reams 4 reams 2 packages | 129 200 200 | Fiberboard Fiberboard Fiberboard |
| | 32 x 42 34 x 44 | 129.23 143.85 | 3.85 3.85 | Yes 1000 sheet packages | ---- | 42 x 32 44 x 34 | 1 ream 1 package | 130 288 | Fiberboard Fiberboard |
| Paper, cover, stock, antique finish, grain long, JCP-L40 sub. 65 (20 x 26 - 65/500) (UU-P-196, type II, Class, B). | 22 x 33 23 x 35 | 90.75 100.62 | 5 5 | Yes 250 sheet packages | ---- | 33 x 22 35 x 23 | 1 ream 3 packages | 91 151 | Fiberboard Fiberboard |
| Paper, duplicating copy, liquid process, JCP-C10, sub. 20 (17 x 22 - 20/500) (UU-P-232). | 23 x 35 17 x 22 22 x 34 | 100.62 20 40 | 5 1.55 1.55 | Yes Yes Yes | ---- | 35 x 23 22 x 17 34 x 22 | 1 ream 4 reams 3 reams | 101 81 120 | Fiberboard Fiberboard Fiberboard |
| Paper, index, JCP-K20, sub. 110 (25-1/2 x 30-1/2 - 110/500) (UU-P-258, grade B). | 20-1/2 x 24-3/4 25-1/2 x 30-1/2 | 71.76 110 | ---- ---- | 100 sheet packages 100 sheet packages | ---- | 24-3/4 x 20-1/2 30-1/2 x 25-1/2 | 5 packages 5 packages | 72 110 | Fiberboard Fiberboard |
| Paper, index, JCP-K20, sub. 140 (25-1/2 x 30-1/2 - 140/500) (UU-P-258, grade B). | 22-1/2 x 28-1/2 | 115.43 | ---- | 100 sheet packages | ---- | 28-1/2 x 22-1/2 | 5 packages | 116 | Fiberboard |
| Paper, index, JCP-K10, sub. 110 (25-1/2 x 30-1/2 - 110/500) (UU-P-258, grade C). | 21 x 32 16 x 21 | 95.04 47.52 | 4.25 4.25 | Yes 100 sheet packages | ---- | 32 x 21 21 x 16 | 1 ream 5 packages | 95 48 | Fiberboard Fiberboard |
| | 17-1/2 x 22-1/2 | 55.69 | 4.25 | 100 sheet packages | ---- | 22-1/2 x 17-1/2 | 6 packages | 67 | Fiberboard |
| | 22-1/2 x 28-1/2 | 90.69 | 4.25 | 100 sheet packages | ---- | 28-1/2 x 22-1/2 | 6 packages | 109 | Fiberboard |
| | 22-1/2 x 35 | 111.38 | 4.25 | 100 sheet packages | ---- | 35 x 22-1/2 | 6 packages | 134 | Fiberboard |
| | 24 x 37-1/2 | 127.29 | 4.25 | 100 sheet packages | ---- | 37-1/2 x 24 | 5 packages | 128 | Fiberboard |

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TABLE III. Packaging and packing printing papers (con.)

| Nomenclature | Size | Ream | | Weight | Approximate thickness | Wrapped | marked with marker placed length-wise | Approximate inside length and width (inside of liners) | Shipping container | | Type |
|--|-----------------|--------|--------|--------|-----------------------|--------------------|---------------------------------------|--|--------------------|------------------------|------------|
| | | Inches | Pounds | | | | | | Quantity | Approximate net weight | |
| Paper, index, JCP-K10, sub. 110 (25-1/2 x 30-1/2 - 110/500) (UU-P-258, grade C). | 25-1/2 x 30-1/2 | | 110 | 4.25 | | 100 sheet packages | ---- | 30-1/2 x 25-1/2 | 6 packages | 132 | Fiberboard |
| | 32 x 44 | | 199.13 | 4.25 | | 100 sheet packages | ---- | 44 x 32 | 5 packages | 200 | Fiberboard |
| | 34 x 44 | | 211.58 | 4.25 | | 100 sheet packages | ---- | 44 x 34 | 2 packages | 85 | Fiberboard |
| | 22-1/2 x 28-1/2 | | 115.43 | 5.25 | | 100 sheet packages | ---- | 28-1/2 x 22-1/2 | 5 packages | 115 | Fiberboard |
| Paper, index, JCP-K10, sub. 140 (25-1/2 x 30-1/2 - 140/500) (UU-P-258, grade C). | 25-1/2 x 30-1/2 | | 140 | 5.25 | | 100 sheet packages | ---- | 30-1/2 x 25-1/2 | 5 packages | 140 | Fiberboard |
| | 16 x 21 | | 60.48 | 5.25 | | 100 sheet packages | ---- | 16 x 21 | 5 packages | 61 | Fiberboard |
| | 32 x 42 | | 241.93 | 5.25 | | 100 sheet packages | ---- | 42 x 32 | 2 packages | 97 | Fiberboard |
| | 22-1/2 x 28-1/2 | | 140.16 | 6.25 | | 100 sheet packages | ---- | 28-1/2 x 22-1/2 | 5 packages | 140 | Fiberboard |
| Paper, index, JCP-K10, sub. 170 (25-1/2 x 30-1/2 - 170/500) (UU-P-258, grade C). | 25-1/2 x 30-1/2 | | 170 | 6.25 | | 100 sheet packages | ---- | 30-1/2 x 25-1/2 | 5 packages | 170 | Fiberboard |
| | 16 x 21 | | 73.45 | 6.25 | | 100 sheet packages | ---- | 21 x 16 | 5 packages | 74 | Fiberboard |
| | 32 x 42 | | 293.80 | 6.25 | | 100 sheet packages | ---- | 42 x 32 | 2 packages | 118 | Fiberboard |
| | 17 x 22 | | 24 | 1.9 | | Yes | ---- | 22 x 17 | 8 reams | 192 | Fiberboard |
| Paper ledger, 100 percent, JCP-J30, sub. 24 (17 x 22 - 24/500) (UU-P-288, type I). | 17 x 22 | | 32.00 | 2.7 | | Yes | ---- | 34 x 22 | 8 reams | 256 | Fiberboard |
| Paper ledger, 25 percent, JCP-J20, sub. 32 (17 x 22 - 32/500) (UU-P-288, type II). | 22 x 34 | | 64.00 | 2.7 | | Yes | ---- | 34 x 22 | 4 reams | 256 | Fiberboard |
| Paper ledger, JCP-J10, sub. 24 (17 x 22 - 24/500) (UU-P-288, type III). | 17 x 22 | | 21 | 2.1 | | Yes | ---- | 34 x 22 | 8 reams | 192 | Fiberboard |
| | 22 x 34 | | 48 | 2.1 | | Yes | ---- | 34 x 22 | 4 reams | 192 | Fiberboard |
| Paper ledger, JCP-J10, sub. 32 (17 x 22 - 32/500) (UU-P-288, type III). | 17 x 22 | | 32 | 2.7 | | Yes | ---- | 34 x 22 | 6 reams | 192 | Fiberboard |
| | 22 x 34 | | 64 | 2.7 | | Yes | ---- | 34 x 22 | 3 reams | 192 | Fiberboard |

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TABLE III. Packaging and packing printing papers (con.)

| Nomenclature | Size | Ream | | Wrapped | marked with marker placed length-wise | Shipping container | | Type |
|---|-----------------|--------|-----------------------|---------------------|---|--|------------|----------------|
| | | Weight | Approximate thickness | | | Approximate inside length and width (inside of liners) | Quantity | |
| | Inches | Pounds | Inches | | | Inches | | Pounds |
| Paper, manifold, JCP-F10, sub. 9, (17 x 22 - 9/500) (UU-P-328, type V). | 16 x 21 | 8.10 | 1.05 | 1000 sheet packages | ---- | 32 x 21 | 8 packages | 130 Fiberboard |
| | 16 x 26 | 10.00 | 1.05 | 1000 sheet packages | ---- | 32 x 26 | 8 packages | 160 Fiberboard |
| | 32 x 42 | 32.40 | 1.05 | 1000 sheet packages | ---- | 42 x 32 | 3 packages | 194 Fiberboard |
| | 21 x 32 | 16.20 | 1.05 | 1000 sheet packages | ---- | 42 x 32 | 4 packages | 130 Fiberboard |
| Paper, mimeograph, JCP-B10 sub. 20, (17 x 22 - 20/500) (UU-P-388, type III). | 16 x 21 | 17.97 | 2 | Yes | ---- | 21 x 16 | 3 reams | 54 Fiberboard |
| Paper, book, coated, JCP-A170 sub. 50, (25 x 38 - 50/500) (UU-P-465, type I). | 17 x 22 | 19.7 | 1.25 | No | Yes | 34 x 22 | 10 reams | 197 Fiberboard |
| Paper, book, coated, JCP-A180 sub. 70, (25 x 38 - 70/500) (UU-P-465, type I). | 17 x 22 | 27.6 | 1.65 | No | Yes | 34 x 22 | 6 reams | 165 Fiberboard |
| Paper, book, coated, JCP-A170 sub. 60, (25 x 38 - 60/500) (UU-P-465, type I). | 17 x 22 | 23.62 | 1.5 | No | Yes | 34 x 22 | 8 reams | 189 Fiberboard |
| Paper, book, offset, JCP-A60 sub. 40, (25 x 38 - 40/500) (UU-P-465, type II). | 16 x 21 | 14.15 | 1.35 | Yes | ---- | 32 x 21 | 12 reams | 170 Fiberboard |
| | 17 x 22 | 15.75 | 1.35 | Yes | ---- | 34 x 22 | 12 reams | 189 Fiberboard |
| Paper, book, offset, JCP-A60 sub. 50, (25 x 38 - 50/500) (UU-P-465, type II). | 10 x 14 | 7.37 | 1.85 | Yes | ---- | 20 x 14 | 10 reams | 74 Fiberboard |
| | 10-1/2 x 16 | 8.84 | 1.85 | Yes | ---- | 16 x 10-1/2 | 5 reams | 45 Fiberboard |
| | 16 x 21 | 17.68 | 1.85 | Yes | ---- | 32 x 21 | 10 reams | 177 Fiberboard |
| | 17 x 22 | 19.68 | 1.85 | Yes | ---- | 34 x 22 | 10 reams | 197 Fiberboard |
| | 17-1/4 x 22-1/4 | 20.20 | 1.85 | Yes | ---- | 34-1/2 x 22-1/4 | 10 reams | 202 Fiberboard |
| | 17-1/2 x 22-1/2 | 20.72 | 1.85 | Yes | ---- | 35 x 22-1/2 | 10 reams | 207 Fiberboard |
| | 17 x 28 | 25.05 | 1.85 | Yes | ---- | 34 x 28 | 8 reams | 200 Fiberboard |
| | 21 x 32 | 35.37 | 1.85 | Yes | ---- | 32 x 21 | 4 reams | 142 Fiberboard |
| | 22 x 34 | 39.37 | 1.85 | Yes | ---- | 34 x 22 | 5 reams | 197 Fiberboard |
| | 22-1/2 x 35 | 41.45 | 1.85 | Yes | ---- | 35 x 22-1/2 | 4 reams | 166 Fiberboard |
| | 32 x 42 | 70.74 | 1.85 | Yes | ---- | 42 x 32 | 2 reams | 142 Fiberboard |

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TABLE III. Packaging and packing printing papers (con.)

| Nomenclature | Size | Ream | | Wrapped | Marked with marker placed length-wise | Shipping container | | Type |
|--|-----------------|--------|-----------------------|--------------------|---------------------------------------|--|------------|-----------------|
| | | Weight | Approximate thickness | | | Approximate inside length and width (inside of liners) | Quantity | |
| | Inches | Pounds | Inches | | | Inches | | Pounds |
| Paper, book, offset, JCP-A60, sub. 60, (25 x 38 - 50/500) (UU-P-465, type II). | 16 x 21 | 21.22 | 2.1 | Yes | ---- | 32 x 21 | 8 reams | 170 Fiberboard |
| | 17 x 22 | 23.62 | 2.1 | Yes | ---- | 34 x 22 | 8 reams | 189 Fiberboard |
| | 17-1/2 x 22-1/2 | 24.87 | 2.1 | Yes | ---- | 35 x 22-1/2 | 8 reams | 199 Fiberboard |
| | 21 x 32 | 42.44 | 2.1 | Yes | ---- | 32 x 21 | 4 reams | 170 Fiberboard |
| | 22 x 34 | 47.24 | 2.1 | Yes | ---- | 34 x 22 | 4 reams | 189 Fiberboard |
| | 22-1/2 x 25-1/2 | 36.24 | 2.1 | Yes | ---- | 25-1/2 x 22-1/2 | 5 reams | 181 Fiberboard |
| | 22-1/2 x 35 | 49.74 | 2.1 | Yes | ---- | 35 x 22-1/2 | 4 reams | 199 Fiberboard |
| | 32 x 42 | 84.88 | 2.1 | Yes | ---- | 42 x 32 | 1 ream | 85 Fiberboard |
| | 35 x 45 | 99.47 | 2.1 | Yes | ---- | 45 x 35 | 1 ream | 100 Fiberboard |
| | 16 x 21 | 28.29 | 2.4 | Yes | ---- | 32 x 21 | 6 reams | 170 Fiberboard |
| Paper, book, offset, JCP-A60, sub. 80 (25 x 38 - 80/500) (UU-P-465, type II). | | | | | | | | |
| Paper, book, english finish, JCP-A30, sub. 45 (25 x 38 - 45/500) (UU-P-465, type IV, class B). | 16 x 22 | 16.67 | 1.35 | Yes | ---- | 32 x 22 | 10 reams | 167 Fiberboard |
| Paper, book, antique book, JCP-A100, sub. 70 (25 x 38 - 70/500) (UU-P-465, type IV, class D). | 16 x 21 | 24.76 | 2.7 | Yes | ---- | 21 x 16 | 1 ream | 25 Fiberboard |
| Paper, newsprint, JCP-A10, sub. 32, (24 x 36 - 32/500) (UU-P-405). | 22 x 28 | 22.8 | 1.75 | Yes | ---- | 22 x 28 | 3 reams | 69 Fiberboard |
| Pressboard, 0.025, UU-P-701, JCP-R10. | 32 x 42 | 50 | 1.75 | No | Yes | 42 x 32 | 3 reams | 150 Fiberboard |
| | 28 x 42 | 504 | 12.5 | 25 sheet packages | ---- | 36 x 24 | 4 packages | 101 Fiberboard |
| Tagboard, Jute, JCP-P30, sub. 140, (22-1/2 x 28-1/2 - 140/500) | 28-1/2 x 22-1/2 | 140.00 | 4.0 | No | No | 28-1/2 x 22-1/2 | 1 ream | 140 Fiberboard |
| (UU-T-1336, type I). | 36 x 24 | 188.62 | 4.0 | No | No | 36 x 24 | 1 ream | 189 Fiberboard |
| Tagboard, Manila, JCP-P10, sub. 140, (24 x 36 - 140/500) (UU-T-1336, type II). | 40 x 25 | 218.32 | 4.0 | No | No | 40 x 25 | 1 ream | 219 Fiberboard |
| | 24 x 36 | 140 | --- | Yes | ---- | 36 x 24 | 1 ream | 140 Fiberboard |
| Paper, U.S. postal card, sub. 94, (22-1/2 x 28-1/2 - 94/500) JCP-Q60. | 16-1/2 x 44 | 106.4 | 4.5 | 100 sheet packages | ---- | 44 x 16-1/2 | 5 packages | 107 Fiberboard |
| Paper, masking, photographic, coated, sub. 80 (25 x 38 - 80/500) JCP-O50, (UU-P-381). | 25 x 38 | 80 | 2 | Yes | ---- | 38 x 25 | 3 reams | 240 Fiberboard |
| | 38 x 50 | 160 | 2 | Yes | ---- | 50 x 38 | 3 reams | 480 Nailed wood |
| Paper, white, conventional, adhesive, 20 lbs, unglued, (17 x 22 - 20/500) JCP-O10. | 17 x 22 | 20 | 2 | Yes | ---- | 34 x 22 | 6 reams | 120 Fiberboard |

TABLE IV. Packaging and packing of stationery papers

| Nomenclature | Sheet size (Inches) | Ream weight (Pounds) | Unit package quantity | Quantity | Shipping container | | |
|---|------------------------|----------------------|--------------------------|----------------------------|--------------------------|-------------------------------------|------------------------|
| | | | | | Arrangement in container | Approximate size (length and width) | Approximate net weight |
| Paper, Blotting, 25 percent, cotton or linen fibers, white, sub. 80, (19 x 24 - 500) (UU-P-63, grade A) JCP 0-20. | 3 x 9-1/2 4 x 9-1/2 | 5.00 6.67 | 100 sheets 100 sheets | 50 packages 50 packages | 5 x 2 x 5 5 x 2 x 5 | 19 x 15 20 x 19 | 50 67 |
| Paper, bond, 50 percent, sub. 16 (17 x 22 - 500) (UU-P-121, type II) JCP G-70. | 8 x 10-1/2 | 3.59 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 36 |
| Paper, bond, 25 percent, sub. 16, (17 x 22 - 500) (UU-P-121, type III) JCP G-40. | 8 x 10-1/2 | 3.59 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 36 |
| | 8 x 13 | 4.45 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 13 | 45 |
| | 8-1/2 x 11 | 4.00 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 11 | 40 |
| | 8-1/2 x 14 | 5.09 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 14 | 51 |
| Paper, bond, 25 percent, sub. 20, (17 x 22 - 500) (UU-P-121, type III) (JCP G-40). | 8 x 10-1/2 | 4.49 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 45 |
| Paper, bond, chemical wood, white, sub. 20 (17 x 22 - 500) (UU-P-121, type IV) JCP G-10. | 8 x 10-1/2 | 4.49 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 45 |
| | 8 x 13 | 5.56 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 13 | 56 |
| | 8-1/2 x 11 | 5.00 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 11 | 50 |
| | 8-1/2 x 13 | 5.91 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 13 | 59 |
| | 8-1/2 x 14 | 6.36 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 14 | 64 |
| Paper, book, offset, JCP A60, sub. 40 (25 x 38 - 40/500) (UU-P-465, type II). | 8 x 10-1/2 | 3.54 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 35 |
| Paper, book, offset, JCP A60, sub. 50 (25 x 38 - 50/500) (UU-P-465, type II). | 8 x 10-1/2 | 4.42 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 44 |
| | 8-1/2 x 11 | 4.92 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 11 | 49 |
| | 8-1/2 x 13 | 5.82 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 13 | 58 |
| Paper, book, offset, JCP A60, sub. 60 (25 x 38 - 60/500) (UU-P-465, type II). | 8 x 10-1/2 | 5.31 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 53 |
| | 8-1/2 x 11 | 5.91 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 11 | 59 |
| | 8-1/2 x 14 | 7.52 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 14 | 75 |
| Paper, book, offset, JCP A60, sub. 80 (25 x 38 - 80/500) (UU-P-465, type II). | 8 x 10-1/2 | 7.07 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 71 |
| Paper, book, 50 percent antique book, JCP A110, sub. 40 (25 x 38 - 40/500) (UU-P-465, type IV, class E). | 8 x 13 | 4.38 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 13 | 44 |
| Paper, book, antique book, JCP A100, sub. 60 (25 x 38 - 60/500) (UU-P-465, type IV, class D). | 8 x 10-1/2 | 5.31 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 53 |
| Paper, writing, JCP U-10, sub. 16, (17 x 22 - 16/500) (UU-P-121, type V). | 8 x 10-1/2 | 3.59 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 36 |
| | 8 x 13 | 4.45 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 13 | 45 |
| | 8 x 13-1/2 | 4.62 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 13-1/2 | 46 |
| | 8-1/2 x 11 | 4.00 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 11 | 40 |
| | 8-1/2 x 14 | 5.09 | 1 ream | 10 reams | 2 x 1 x 5 | 17 x 14 | 51 |

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TABLE IV. Packaging and packing of stationery papers (con.)

| Nomenclature | Sheet size (Inches) | Ream weight (Pounds) | Unit package quantity | Quantity | Shipping container | | | Approximate net weight |
|--|--|--------------------------------------|--|--|---|---|----------------------------|------------------------|
| | | | | | Arrangement in container | Approximate size (length and width) | | |
| Paper, writing, JCP U-10, sub. 20, (17 x 22 - 20/500) (UU-P-121, type V). | 3 x 10-1/2 | 4.49 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 10-1/2 | 45 | |
| Paper, duplicating copy, liquid process, JCP C10, sub. 20, (17 x 22 - 20/500) (UU-P-232). | 8 x 10-1/2 8 x 13 8-1/2 x 11 8-1/2 x 14 | 4.49 5.56 5.00 6.36 | 1 ream 1 ream 1 ream 1 ream | 10 reams 10 reams 10 reams 10 reams | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10-1/2 16 x 13 17 x 11 17 x 14 | 45 56 50 64 | |
| Paper, duplicating master spirit process, sub. 60, (25 x 38 - 500) (UU-P-233). | 3 x 10-1/2 8-1/2 x 11 8 x 13 | 5.31 5.91 6.57 | 1 ream 1 ream 1 ream | 10 reams 10 reams 10 reams | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10 17 x 11 16 x 13 | 53 59 66 | |
| Paper, index, JCP K10, sub. 110 (25-1/2 x 30-1/2 - 110/500) (UU-P-258, grade C). | 8 x 10-1/2 | 11.88 | 1 ream | 4 reams | 2 x 1 x 2 | 16 x 10-1/2 | 48 | |
| Paper, manifold, 25 percent glazed white, JCP F30, sub. 8, (17 x 22 - 8/500) (UU-P-328, type VI). | 8 x 10-1/2 | 1.80 | 1000 sheets | 10 packages | 2 x 1 x 5 | 16 x 10-1/2 | 36 | |
| Paper, manifold, 25 percent, white, JCP F20, sub. 9, (17 x 22 - 9/500) (UU-P-328, type IV). | 8 x 10-1/2 8 x 13 8-1/2 x 11 8-1/2 x 14 | 2.02 2.50 2.25 2.86 | 1000 sheets 1000 sheets 1000 sheets 1000 sheets | 10 packages 10 packages 10 packages 10 packages | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10-1/2 16 x 13 17 x 11 17 x 14 | 40 50 45 57 | |
| Paper, manifold, white and colored, chemical wood, JCP F10, sub. 9, (17 x 22 - 9/500) (UU-P-328, type V). | 8 x 10-1/2 8 x 13 8-1/2 x 11 8-1/2 x 14 | 2.02 2.50 2.25 2.86 | 1000 sheets 1000 sheets 1000 sheets 1000 sheets | 10 packages 10 packages 10 packages 10 packages | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10-1/2 16 x 13 17 x 11 17 x 14 | 40 50 45 57 | |
| Paper, mimeograph, white, 25 percent, cotton or linen JCP-820, sub. 20, (17 x 22 - 20/500) (UU-P-388, type I). | 8 x 10-1/2 8 x 13 8-1/2 x 11 8-1/2 x 14 | 4.49 5.00 5.56 6.36 | 1 ream 1 ream 1 ream 1 ream | 10 reams 10 reams 10 reams 10 reams | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10-1/2 16 x 13 17 x 14 17 x 14 | 45 50 64 64 | |
| Paper, mimeograph, white bond, JCP-G30, sub. 20, (17 x 22 - 20/500) (UU-P-388, type II). | 8 x 10-1/2 8 x 13 8-1/2 x 11 8-1/2 x 14 | 4.49 5.56 5.00 6.36 | 1 ream 1 ream 1 ream 1 ream | 10 reams 10 reams 10 reams 10 reams | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10-1/2 16 x 13 17 x 14 17 x 14 | 45 56 50 64 | |
| Paper, mimeograph, white and colored, JCP-810, sub. 20, (17 x 22 - 20/500) (UU-P-388, type III). | 8 x 10-1/2 8 x 13 8 x 15 8-1/2 x 11 8-1/2 x 14 | 4.49 5.56 6.42 5.00 6.36 | 1 ream 1 ream 1 ream 1 ream 1 ream | 10 reams 10 reams 10 reams 10 reams 10 reams | 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 2 x 1 x 5 | 16 x 10-1/2 16 x 13 16 x 15 17 x 11 17 x 14 | 45 56 64 50 64 | |
| Paper, court martial, 22 percent bond, JCP-G40, sub. 16 (17 x 22 - 16/500) (UU-P-1153). | 8 x 13 | 4.45 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 13 | 45 | |
| Paper, newsprint, JCP-A10, sub. 32 (24 x 36 - 32/500) (UU-P-405). | 8 x 12 | 3.56 | 1 ream | 10 reams | 2 x 1 x 5 | 16 x 12 | 36 | |

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TABLE V. Ream marked-packed on skids

| Item | Size (inches) | Sheets per skid | Est. size of skid L.W.H. (inches) | Clearance between runners (inches) | Est. weight of skid (pounds) |
|---|------------------|-----------------------|--|---|---------------------------------------|
| Paper, bond and writing, white (Fed. Spec. UU-P-121) | | | | | |
| 25 percent rag, type III, basis 32 lbs. (17 x 22 - 1000) | | | | | |
| 7530-00-767-3649 | 16 x 21 | 90,000 | 48 x 42 x 59 | 36 | 2806 |
| Same as above except basis 40 lbs. (17 x 22-1000) | | | | | |
| 7530-00-926-4880 | 22 x 34 | 20,000 | 44 x 34 x 55 | 38 | 1748 |
| Chemical wood, white, type IV. basis 40 (17 x 22-1000) | | | | | |
| 7530-00-926-4881 | 17 x 22 | 60,000 | 51 x 44 x 46 | 38 | 2562 |
| 7530-00-926-4882 | 22 x 34 | 20,000 | 44 x 34 x 46 | 38 | 1708 |
| 7530-00-842-0286 | 32 x 42 | 10,000 | 42 x 32 x 46 | 36 | 1546 |
| Type V, writing, basis 24 lbs. (17 x 22-1000) | | | | | |
| 7530-00-767-3535 | 17 x 22 | 90,000 | 51 x 44 x 54 | 38 | 2322 |
| Same as above, except basis 32 lbs. (17 x 22-1000) | | | | | |
| 7530-00-767-3436 | 8 x 10-1/2 | 360,000 | 48 x 42 x 59 | 36 | 2709 |
| 7530-00-767-3457 | 16 x 21 | 90,000 | 48 x 42 x 59 | 36 | 2806 |
| 7530-00-767-3493 | 17 x 22 | 90,000 | 51 x 44 x 59 | 38 | 3096 |
| 7530-00-767-3549 | 21 x 32 | 30,000 | 42 x 32 x 59 | 36 | 1871 |
| 7530-00-767-3501 | 22 x 34 | 30,000 | 44 x 34 x 59 | 38 | 2064 |
| 7530-00-926-4872 | 32 x 42 | 15,000 | 42 x 32 x 59 | 36 | 1854 |
| 7530-00-926-4585 | 42 x 56 | 11,000 | 56 x 42 x 43 | 36 | 2752 |
| Type V, writing, basis 40 lbs. (17 x 22-1000) | | | | | |
| 7530-00-767-3435 | 8 x 10-1/2 | 250,000 | 53 x 48 x 52 | 36 | 2317 |
| 7530-00-767-3526 | 17 x 22 | 60,000 | 51 x 44 x 52 | 38 | 2580 |
| 7530-00-767-3537 | 22 x 34 | 20,000 | 44 x 34 x 52 | 38 | 1720 |
| 7530-00-926-4874 | 22 x 34 | 22,000 | 44 x 34 x 56 | 38 | 1800 |
| 7530-00-926-4876 | 32 x 42 | 10,000 | 42 x 32 x 52 | 38 | 1548 |
| 7530-00-767-3550 | 34 x 44 | 10,000 | 44 x 34 x 52 | 38 | 1720 |
| Paper, manifold, white (UU-P-328) | | | | | |
| Type V, chemical wood | | | | | |
| 7530-00-767-3668 | 22 x 34 | 30,000 | 44 x 34 x 49 | 38 | 1161 |
| Paper, book (offset, white (UU-P-465) | | | | | |
| Type II, basis 80 lbs. (25 x 38-1000) | | | | | |
| 9310-00-061-1719 | 32 x 42 | 9,000 | 42 x 32 x 40 | 36 | 1148 |
| Type II, basis 100 lbs. (25 x 38-1000) | | | | | |
| 9310-00-767-3638 | 8 x 10-1/2 | 250,000 | 53 x 40 x 52 | 34 | 2914 |
| 9310-00-926-1420 | 8-1/2 x 11 | 240,000 | 51 x 44 x 52 | 38 | 2580 |
| 9310-00-926-1422 | 10-1/2 x 16 | 120,000 | 48 x 42 x 52 | 36 | 2258 |
| 9310-00-782-5552 | 16 x 21 | 36,000 | 42 x 32 x 49 | 36 | 1363 |
| 9310-00-767-3616 | 16 x 21 | 60,000 | 48 x 42 x 52 | 36 | 2258 |
| 9310-00-767-3641 | 17 x 22 | 60,000 | 51 x 44 x 52 | 38 | 2580 |
| 9310-00-842-0290 | 21 x 32 | 12,000 | 42 x 32 x 32 | 36 | 960 |
| 9310-00-926-4539 | 21-1/2 x 32-1/4 | 24,000 | 43 x 32-1/4 x 48 | 38 | 1860 |
| 9310-00-734-3995 | 22 x 33 | 20,000 | 44 x 33 x 42 | 38 | 1748 |
| 9310-00-926-4512 | 21 x 36 | 20,000 | 42 x 36 x 42 | 36 | 1702 |
| 9310-00-767-3642 | 22 x 34 | 20,000 | 44 x 34 x 52 | 38 | 1720 |
| 9310-00-926-4514 | 22-1/2 x 25-1/2 | 40,000 | 51 x 45 x 52 | 38 | 2570 |
| 9310-00-926-4515 | 22-1/2 x 35 | 20,000 | 45 x 35 x 52 | 38 | 1778 |
| 9310-00-160-8212 | 25 x 28 | 10,000 | 50 x 28 x 28 | 38 | 850 |
| 9310-00-782-5551 | 32 x 42 | 9,000 | 42 x 32 x 48 | 36 | 1148 |
| 9310-00-142-6076 | 35 x 44 | 12,500 | 44 x 35 x 56 | 38 | 2138 |
| 9310-00-965-0359 | 35 x 45 | 10,000 | 45 x 35 x 52 | 38 | 1778 |

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TABLE V. Ream marked-packed on skids (con.)

| Item | Size (inches) | Sheets per skid | Est. size of skid L.W.H. (inches) | Clearance between runners (inches) | Est. weight of skid (pounds) |
|---|------------------|-----------------------|--|---|---------------------------------------|
| Type II, basis 120 lbs. (25 x 38-1000) | | | | | |
| 9310-00-905-9101 | 8 x 10-1/2 | 160,000 | 53 x 40 x 42 | 38 | 1835 |
| 9310-00-727-7091 | 10-1/2 x 16 | 80,000 | 42 x 32 x 52 | 36 | 1808 |
| 9310-00-782-5554 | 16 x 21 | 36,000 | 42 x 32 x 49 | 36 | 1638 |
| 9310-00-926-4518 | 22-1/2 x 26 | 20,000 | 45 x 26 x 52 | 38 | 1593 |
| 9310-00-926-4517 | 22-1/2 x 35 | 20,000 | 45 x 35 x 52 | 38 | 2105 |
| 9310-00-727-7116 | 38 x 50 | 9,000 | 50 x 38 x 49 | 38 | 2290 |
| Paper, index, chemical wood, UU-P-258, Grade C, basis 220 lbs. (25-1/2 x 30-1/2 - 1000) | | | | | |
| 9310-00-782-5436 | 16 x 21 | 20,000 | 42 x 32 x 55 | 36 | 2011 |
| 9310-00-782-5438 | 16 x 21 | 20,000 | 42 x 32 x 55 | 36 | 2011 |
| 9310-00-782-5439 | 16 x 21 | 20,000 | 42 x 32 x 55 | 36 | 2011 |
| 9310-00-926-1416 | 17 x 22 | 20,000 | 44 x 34 x 55 | 38 | 2279 |
| 9310-00-728-6077 | 21 x 32 | 10,000 | 42 x 32 x 55 | 36 | 2011 |
| 9310-00-728-6080 | 21 x 32 | 10,000 | 42 x 32 x 55 | 36 | 2011 |
| 9310-00-728-6087 | 21 x 32 | 10,000 | 42 x 32 x 55 | 36 | 2011 |
| 9310-00-728-6079 | 21 x 32 | 18,000 | 42 x 32 x 72 | 36 | 3532 |
| 9310-00-767-9315 | 22 x 34 | 10,000 | 44 x 34 x 55 | 38 | 2279 |
| 9310-00-926-4541 | 22-1/2 x 35 | 10,000 | 45 x 35 x 55 | 38 | 2397 |
| 9310-00-926-4542 | 22-1/2 x 35 | 10,000 | 45 x 35 x 55 | 38 | 2397 |
| 9310-00-926-4543 | 22-1/2 x 35 | 10,000 | 45 x 35 x 55 | 38 | 2397 |
| 9310-00-926-4544 | 22-1/2 x 35 | 10,000 | 45 x 35 x 55 | 38 | 2397 |
| 9310-00-926-4547 | 22-1/2 x 35 | 10,000 | 45 x 35 x 55 | 38 | 2397 |
| 9310-00-782-5435 | 32 x 42 | 5,000 | 42 x 32 x 55 | 36 | 2051 |
| 9310-00-782-5437 | 32 x 42 | 5,000 | 42 x 32 x 55 | 36 | 2051 |
| Type C, basis 340 lbs. (25-1/2 x 30-1/2 - 1000) | | | | | |
| 9310-00-728-7641 | 21 x 32 | 6,000 | 42 x 32 x 50 | 36 | 1873 |
| Paper, ledger, chemical pulp, UU-P-288, type III, basis 48 lbs. (17 x 22 - 1000) | | | | | |
| 7530-00-786-8956 | 22 x 34 | 20,000 | 44 x 34 x 54 | 38 | 2064 |

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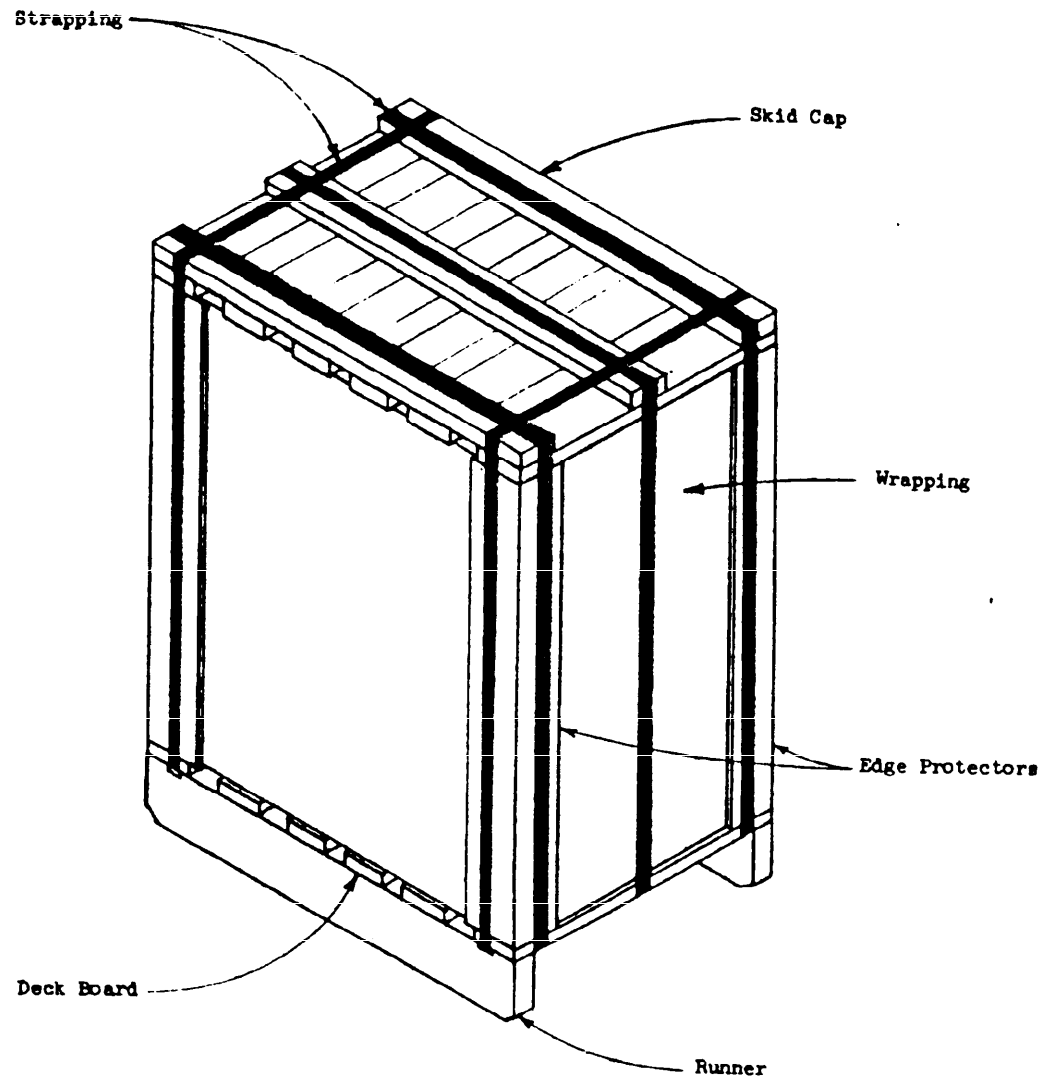
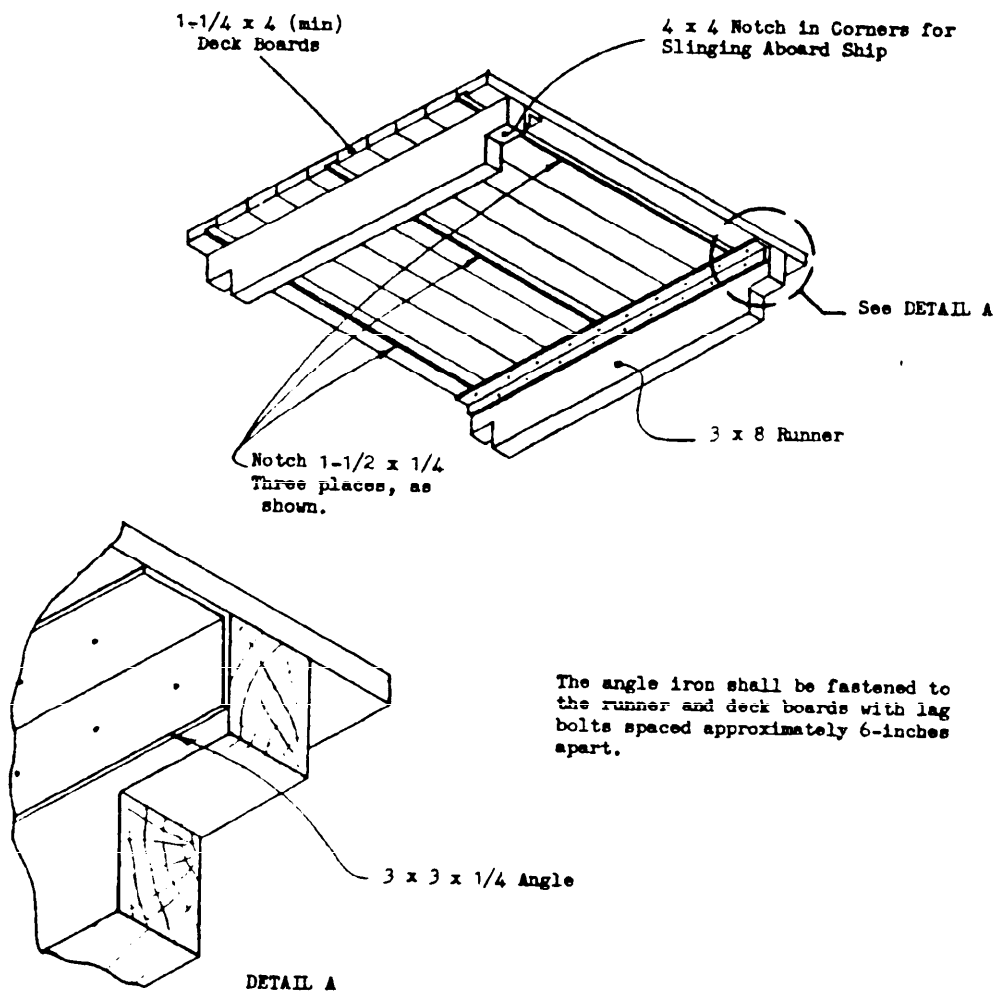


FIGURE 1. Skid Pack

PPP-P-25F

FIGURE 1A
MODIFIED SKID
(BOTTOM VIEW)
(All dimensions in inches)



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