# TM 5-4110-204-13

# DEPARTMENT OF THE ARMY TECHNICAL MANUAL

# OPERATOR'S, ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE MANUAL

(INCLUDING REPAIR PARTS LIST)

REFRIGERATOR PREFABRICATED; PANEL TYPE; W/O REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS MIL-R-10932

# TYPE 1, CLASS I AND II

600 CU FT, FSN 4110-269-5096 600J CU FT, FSN 4110-926-9544 1200 CU FT, FSN 4110-926-4159 1800 CU FT, FSN 4110-057-0321 3000 CU FT, FSN 4110-264-6226 4000 CU FT, FSN 4110-269-5071

# TYPE II, CLASS I AND II

400 CU FT, FSN 4110-618-8709600 CU FT, FSN 4110-618-8710800 CU FT, FSN 4110-618-87111200 CU FT, FSN 4110-618-87121400 CU FT, FSN 4110-618-87131600 CU FT, FSN 4110-618-8714

This copy is a reprint which includes current pages from Changes I through 10.

HEADQUARTERS, DEPARTMENT OF THE ARMY

14 DECEMBER 1966

# **SAFETY PRECAUTIONS**

Keep hands free from the striker hatch plate and latch when going in or out of the  $\mbox{ refrigerator}_{\circ}$ 

Disconnect the electrical power before making any repairs to the electrical components.

Be sure inside walk-in door latch is in proper operating condition to prevent personnel from becoming locked inside the refrigerator.

CHANGE NO. 11

# HEADQUARTERS, DEPARTMENT OF THE ARMY WASHINGTON, DC, 31 JULY 2005

#### **TECHNICAL MANUAL**

OPERATOR'S, ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS LIST): REFRIGERATOR, PREFABRICATED; PANEL TYPE W/O REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS MIL-R-10932; 600 CU FT (NSN 4110-00-269-5096), 1200 CU FT (4110-00-926-4159); 1800J CU FT (4110-00-168-1937); TK600J CU FT (4110-00-5027); TK 1200J CU FT (4110-00-574-5744); TK4000J CU FT (4110-00-574-5789); TKR4000A CU FT (4110-01-119-3962); 600J CU FT (4110-00-926-9544); 1800 CU FT (4110-00-057-0321); 3000 CU FT (4110-00-264-6226); 4000 CU FT (4110-00-269-5071); TKR600A CU FT (4110-01-119-3960); TKR1200A CU FT (4110-01-119-3961) (REPRINTED W/ BASIC INCL C1-100-100-119-3961) (REPRINTED W/ BASIC INCL C1-100-100-119-3961)

(THIS ITEM IS INCLUDED ON EM 0174)

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TM 5-4110-204-13, 14 Dec 1966, is updated as follows:

- 1. File this sheet in front of the manual for reference.
- 2. This change implements the Army Maintenance Transformation and changes the Maintenance Allocation Chart (MAC) to support Field and Sustainment Maintenance.
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## ARMY TM 5-4110-204-13

# Change 11

By Order of the Secretary of the Army:

PETER J. SCHOOMAKER General, United States Army Chief of Staff

Official:

SANDRA R. RILEY

Administrative Assistant to the

Secretary of the Army

06100

**Distribution:** To be distributed in accordance with initial distribution number (IDN) 251480 requirements for TM 5-4110-204-13.

Change No. 10

# HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, D.C., 7 October 1983

Operator's, Organizational, and Direct Support
Maintenance Manual
(Including Repair Parts List)

# REFRIGERATOR, PREFABRICATED; PANEL TYPE, W/O REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS MIL-R-10932

600 cu ft NSN 4110-00-269-5096 600J cu ft NSN 4110-00-926-9544
1200 cu ft NSN 4110-926-4159 1800 cu ft NSN 4110-00-057-4321
1800J cu ft NSN 4110-00-168-1937 3000 cu ft NSN 4110-00-264-6226
TK600J cu ft NSN 4110-00-571-5027 4000 cu ft NSN 4110-00-269-5071
TK1200J cu ft NSN 411040-574-5744 TKR600A cu ft NSN 4110-01-119-3960
TK4000J cu ft NSN 4110-119-3962 TKR1200A cu ft NSN 4110-01-119-3961

TM 5-4110-204-13, 14 December 1966, is changed as follows:

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D-1 thru D-30 D-1 thru D-30

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  - 4. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

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Official:

ROBERT M. JOYCE

Major General, United States Army
The Adjutant General

#### **DISTRIBUTION:**

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Change No. 9

# HEADQUAKTERS DEPARTMENT OF THE ARMY

WASHINGTON, D.C. ,26 February 1982

Operator's, Organizational, and Direct Support
Maintenance Manual
(Including Repair Parts List)

REFRIGERATOR, PREFABRICATED; PANEL TYPE, W/O REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS MIL-R-10932

TYPE I, CLASS I and II

| 600 cu ft NSN 4110-00-269-5096     | 600J cu ft NSN 4110-00-926-9544 | 4 |
|------------------------------------|---------------------------------|---|
| AA-1200 cu ft NSN 4110-01-113-6577 | 1800 cu ft NSN 4110-00-057-0321 | 1 |
| 1600J cu ft NSN 4110-00-166-1937   | 3000 cu ft NSN 4110-00-264-6226 | 6 |
| TK600J cu ft NSN 4110-00-571-5027  | 4000 cu ft NSN 4110-00-269-5071 | 1 |
| TK1200J cu ft NSN 4110-00-574-5744 |                                 |   |
| TK4000J cu ft NSN 4110-00-574-5789 |                                 |   |

## TYPE II, CLASS I AND 11

| <i>400</i> cu ft NSN 4119-00-618-8709 | 600 cu ft NSN 4110-00-618-8710  |
|---------------------------------------|---------------------------------|
| 800 cu ft NSN 4110-00-618-8711        | 1200 cu ft NSN 4110-00-618-8712 |
| 1400 cu ft NSN 4110-00-618-8713       | 1600 cu ft NSN 4110-00-618-8714 |

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General, United States Army

Chief of Staff

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ROBERT M. JOYCE Brigadier General, United States Army The Adjutant General

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Change

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, 29 March 1976

# Operator's, Organizational, and Direct Support Maintenance Manual (Including Repair Parts List)

REFRIGERATOR, PREFABRICATED; PANEL TYPE, W/O
REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS
M-R-10932
TYPE 1, CLASS I AND II

| 600 cu ft NSN 4110-00-269-5096     | 600J cu ft NSN 4110-00-926-9544 |
|------------------------------------|---------------------------------|
| 1200 cu ft NSN 4110-00-926-4159    | 1800 cu ft NSN 4110-00-057-0321 |
| 1800J cu ft NSN 4110-00-168-1937   | 3000 cu ft NSN 4110-00-264-6226 |
| TK600J cu ft NSN 4110-00-571-5027  | 4000 cu ft NSN 4110-00-269-5071 |
| TK1200J cu ft NSN 4110-00-574-5744 |                                 |
| TK4000J cu ft NSN 4110-00-574-5789 |                                 |

# TYPE II, CLASS I AND II

| 400 cu ft NSN 4110-00-618-8709  | 600 cu ft NSN 4110-00-618-8710  |
|---------------------------------|---------------------------------|
| 800 cu ft NSN 4110-00-618-8711  | 1200 cu ft NSN 4l10-00-6l8-87l2 |
| 1400 cu ft NSN 4110-00-618-8713 | 1600 cu ft NSN 4110-00-618-8714 |

# **CURRENT AS OF 24 OCTOBER 1975**

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Remove pages Insert pagea
1-1 and 1-2
1-1 and 1-2

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FRED C. WEYAND General, United States Army Chief of Staff

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CHANGE No. 7

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC 14 July 1975

# Operator's, Organizational, and Direct Support

**Maintenance Manual** 

(Including Repair Parts List)

REFRIGERATOR, PREFABRICATED; PANEL TYPE, W/O REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS

MIL-R-10932

TYPE 1, CLASS 1 and 11

600 cu ft., NSN 4110-00-269-5096 600J cu ft, NSN 4110-00-926-9544 1200 cu ft, NSN 4110-00-926-4159 1800 cu ft, NSN 4110-00-057-0321 3000 cu ft, NSN 4110-00-264-6226 4000 cu ft, NSN 4110-00-269-5071

## **TYPE 11, CLASS 1 AND 11**

400 cu ft, NSN 4110-00-618-8709600 cu ft, NSN 4110-00-618-8710800 cu ft., NSN 4110-00-618-87111200 cu ft, NSN 4110-00-618-87121400 cu ft, NSN 4110-00-618-87131600 cu ft., NSN 4110-00-618-8714

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 2-1 and 2-2

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TM 5-4110-204-13 C 6

CHANGE No. 6

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 14 March 1975

# Operator's, Organizational, and Direct Support Maintenance Manual

REFRIGERATOR, PREFABRICATED, PANEL TYPE, W/O
REFRIGERATING EQUIPMENT, MILITARY SPECIFICATIONS MIL-R-10932
TYPE 1, CLASS I AND II

600 CU. FT. NSN 4110-00-269-5096, 1200 CU. FT. NSN 4110-00-926-4159 1800J CU. FT. NSN 4110-00-168-1937, 600J CU. FT. NSN 4110-00-926-9544 1800 CU. FT. NSN 4110-00-057-0321,4000 CU. FT. NSN 4110-00-269-5071 3000 CU. FT. NSN 4110-00-264-6226

TYPE 1, CLASS I AND II

400 CU. FT. NSN 4110-00-618-8709, 800 CU. FT. NSN 4110-00-618-8711 1400 CU. FT. NSN 4110-00-618-8713, 600 CU. FT. NSN 4110-00-618-8710 1200 CU. FT. NSN 4110-00-618-8712, 1600 CU. FT. NSN 4110-00-618-8714

TM 5-4110-204-13, 14 December 1966, is changed as follows:

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Page 2 of cover. Add the following warning to the list of safety precautions.

### WARNING

The burning of polyurethane foams is dangerous. Due to the chemical composition of a polyurethane foam, toxic fumes are released when it is burned or heated. If it is burned or heated indoors, such as during a welding operation in its proximity, precautions should be taken to adequately ventilate the area. An exhaust system equivalent to that of a paint spray booth should be used. Air supplied respirators, approved by the National Institute for Occupational Safety and Health or the US Bureau of Mines, should be used for all welding in confined spaces and when ventilation is inadequate. Individuals who have chronic or recurrent respiratory conditions, including allergies and asthma, should not be employed in this type of environment.

# By Order of the Secretary of the Army:

FRED C. WEYAND General, *United States Army* Chief of Staff

# Official:

VERNE L. BOWERS Major General, United States Army The Adjutant General

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DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 9 May 1974

Operator's Organizational, and
Direct Support Maintenance Manual
(Including Repair Parts List)
REFRIGERATOR PREFABRICATED; PANEL TYPE; W/O
REFRIGERATING EQUIPMENT; MILITARY SPECIFICATION
MIL-R-10932

TYPE 1, CLASS 1 AND II

600 CU FT, FSN 4110-00-260-096 1200 CU FT, FSN 4110-926-4159 1600J CU FT, FSN 4110-00-168-1937 600J CU FT, FSN 4110-926-9544 1600 CU FT, FSN 4110-057-0321 4000 CU FT, FSN 4110-269-5071 3000 CU FT, FSN 4110-264-6226

TYPE II, CLASS I and II

400 CU FT, FSN 4110-616-6709 600 CU FT, FSN 4110-616-6711 1400 CU FT, FSN 4110416-6713 600 CU FT, FSN 4110-616-6710 1200 CU FT, FSN 4110-618-6712 1600 CU FT, FSN 4110416-6714

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Dates of issue for original and changed pages are:

| Original 0 | 14 December 1966  | Change 6  | 14 March 1975    |
|------------|-------------------|-----------|------------------|
| Change 1   | 8 September 1970  | Change 7  | 14 July 1975     |
| Change 2   | 11 October 1972   | Change 8  | 29 March 1976    |
| Change 3   | 15 March 1973     | Change 9  | 26 February 1982 |
| Change 4   | 28 September 1973 | Change 10 | 7 October 1983   |
| Change 5   | 9 May 1974        | Change 11 | 31 July 2005     |

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TECHNICAL MANUAL No. 5-4110-204-13

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 14 December 1966

# Operator's Organizational, and Direct Support Maintenance Manual (Including Repair Parts List)

# REFRIGERATOR, PREFABRICATED; PANEL TYPE; W/O REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS MIL-R-10932

# TYPE 1, CLASS I AND II

| 600 CU FT, FSN 4110-269-5096     | 600J CU FT, FSN 4110-926-9544 |
|----------------------------------|-------------------------------|
| 1200 CU FT, FSN 4110-926-4159    | 1800 CU FT, FSN 4110-057-0321 |
| I 1800J CU FT, FSN 4110-168-1937 | 3000 CU FT, FSN 4110-2644226  |
|                                  | 4000 CU FT, FSN 4110-269-5071 |

# TYPE II, CLASS I AND II

| 400 CU FT, FSN 4110-618-8709  | 600 CU FT, FSN 4110-618-8710  |
|-------------------------------|-------------------------------|
| 800 CU FT, FSN 4110-618-8711  | 1200 CU FT, FSN 4110-618-8712 |
| 1400 CU FT, FSN 4110-618-8713 | 1600 CU FT, FSN 4110-618-8714 |

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This manual supersedesITM 5-4110-204-15, 9 June 1963 including all changes; TM 10-4110-203-25P, 8 March 1980; and TM 5-4110-204-25P July 1963 including all changes

# CHAPTER 1 INTRODUCTION

#### Section I. GENERAL

# 1-1. Scope

- a. These instructions are published for use by personnel to whom the panel type refrigerator is issued. They provide information on the operation and maintenance of the equipment. Also included are descriptions of main units and their function in relationship to other components.
- b. Appendix A contains a list of publications applicable to this manual. Appendix B contains the list of Items Troop Installed or Authorized for use with the equipment. Appendix C contains the maintenance allocation chart. The organizational maintenance repair parts and special tools are listed in appendix D.
- c. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.
- d. You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals) located in the back of the manual and mail the form direct to Commander, US Army Troop Support Command, ATTN: AMSTS-MPP, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished direct to you.
- e. To enable timely and effective evaluation, it is important that complete and comprehensive data be submitted on DA Form 2028, including the reason for submission if that fact is not self-evident.

# 1-2. Record and Report Forms

For record and report forms applicable to operator, crew and organizational maintenance, refer to TM  $38\text{-}750_{\circ}$ 

### Section il. DESCRIPTION AND DATA

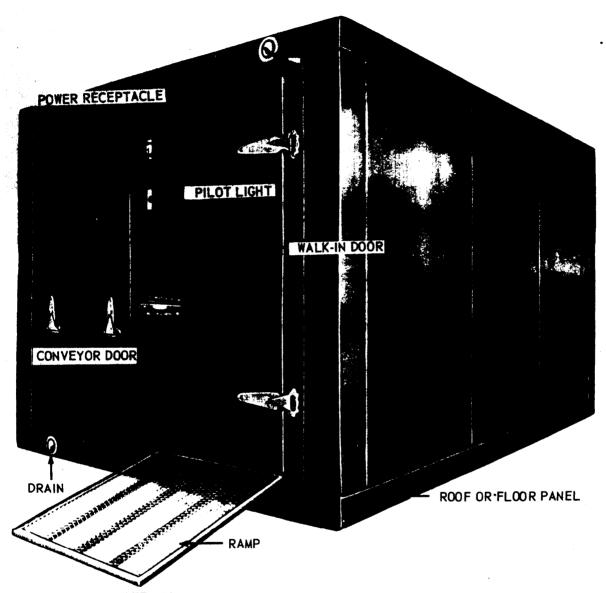
# 1-3. Description

a. General. The prefabricated walk-in refrigerators (fig. 1-1 through 1-4) are assembled from interchangeable panels. There are two types of units: these are Type I and Type II. The Type I refrigerators are 600, 1200, 1800,3000 and 4000 cubic feet units, while the Type II refrigerators are 400, 600, 800, 1200, 1400, and 1600 cubic feet units. The Type I and Type 11 refrigerators are of the same construction and differ only in width. The Type I units are three panel or 12 ft. 95/8 in. wide, while the Type II units are two panel or 8ft.1123/32 in. wide. All panels with the exception of the roof and floor panels are interchangeable between the two type refrigerators. All prefabricated refrigerators are constructed in accordance with Military Specifica-

tion MIL-R-10932. The 600 cubic feet Type I unit and 400 and 600 cubic feet Type II units are single units while the units larger than 600 cubic feet are divided into compartments.

The Class 1 panels are constructed of a wooden frame with fiber glass insulation and are covered with sheet aluminim on both sides. The Class 2 panels are the same as Class 1 with exception that the exterior skin is steel and the interior skin is zinc coated, and not painted. The 1800J model refrigerators (Urethane) are constructed similar to the Type I Class 1 refrigerators with the addition of polyurethane foam in place of insulation.

b. Type I, 600 Cubic Feet Unit. The Type I, 600 cubic feet unit consists of one walk-in door panel with door, one conveyor panel with door,



NOTE: ROOF AND FLOOR PANELS ARE INTERCHANGEABLE

Figure 1-1. Single compartment refrigerator, right-front, three quarter view, 600 cu. ft. capacity.

one evaporator panel, seven wall panels, four corner panels, three roof and three floor panels. The roof and floor panels are interchangeable throughout each type-size, and wall panels are interchangeable throughout all types and sizes. This refrigerator is equipped with three hardwood floor racks, four shelving units, a thermometer, outside power receptacle, inside light, an outside indicating light and two floor drains.

#### **NOTE**

The conveyor panel with door is optional equipment. When not required, this panel is replaced with an additional standard wall.

- c. Type I, 1200 Cubic Feet Unit. The Type I, 1200 cubic feet unit is a single compartment refrigerator consisting of one walk-in door with ramp and canopy, one conveyor door, two evaporator panels, five roof panels, five floor panels and four corner panels. This unit is equipped with five hardwood floor racks, nine shelving units, a thermometer, outside power receptacle, inside light, outside indicating light and two floor drains.
- d. Type I, 1800 Cubic Feet Unit. The Type I, 1800 cubic feet unit is a two compartment refrigerator consisting of two walk-in doors, with ramps, and canopies, two conveyor doors, two evaporator panels,

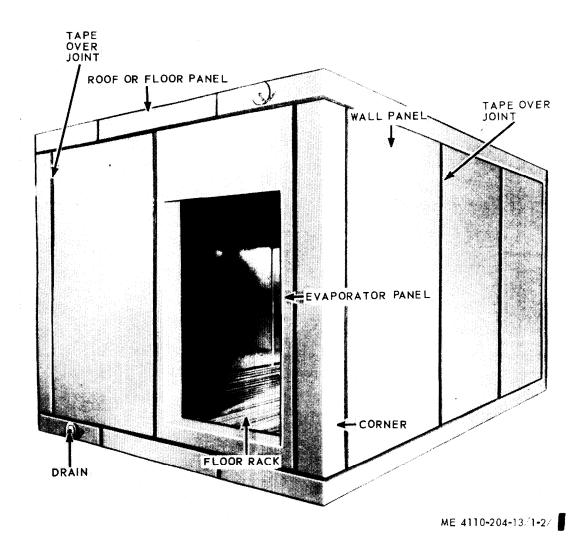


Figure 1-2. Single compartment refrigerator, left-rear, three-quarter view, 600 cu. ft. capacity.

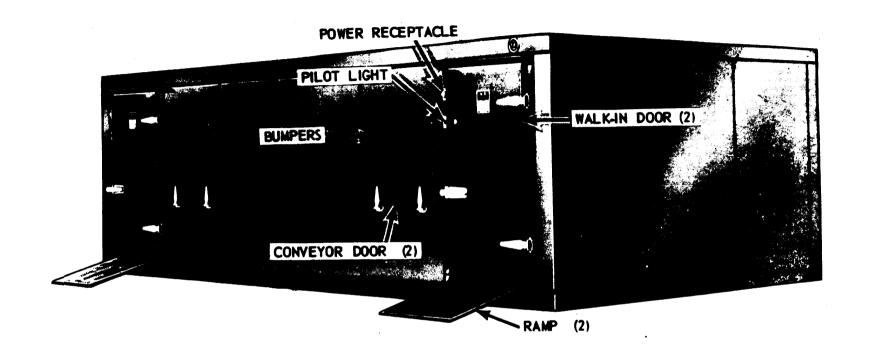
## TM 5-4110-204-13

seven roof panels, seven floor panels, four corner panels, and three partition panels. The 1800 cubic foot refrigerator is equipped with six hardwood floor racks, nine shelving units, two thermometers, two

outside power receptacles, two inside lights, two outside indicating lights and four floor drains. The 1800J Model refrigerator (Urethane) is supplied with 14 hardwood floor racks and has no shelving units.

- e. Type 1,8000 Cubic Feet Unit. The Type I, 3000 cubic feet unit is a three-compartment refrigerator consisting of three walk-in doors with ramps and canopies, three conveyor doors, three evaporator panels, eleven roof panels, eleven floor panels, four corner panels, and six partition panels. The 3000 cubic feet refrigerator contains eleven hardwood floor racks, twenty-one shelving units, three thermometers, three outside power receptacles, three inside lights and four floor drains
- f. Type I, 4000 Cubic Feet Unit. The Type I, 4000 cubic feet unit is a four-compartment refrigerator consisting of four walk-in doors with ramps and canopies, four conveyor doors, four evaporator panels, fifteen roof panels, twenty-two wall panels and nine partition panels The 4,000 cubic feet refrigerator is equipped with fifteen hardwood floor racks, thirty shelving units, four thermometers, four outside power receptacles, three inside lights and four floor drains.
- g. Type II, 400 Cubic Feet Unit. The Type II, 400 cubic feet unit is a single-compartment refrigerator consisting of one walk-in door panel with door, one ramp and canopy, two evaporator panels, five standard wall panels, three floor panels, three ceiling

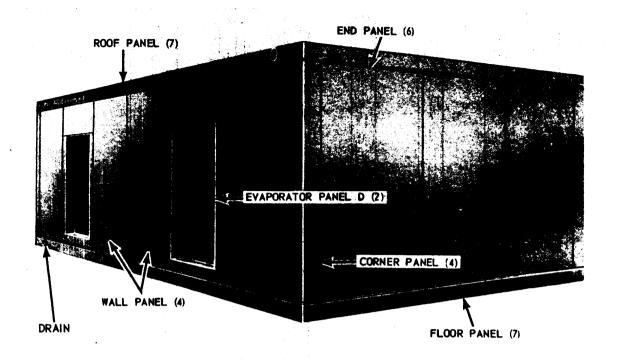
- panels and four corner panels. The 400 cubic feet refrigerator is equipped with three hardwood floor racks, three shelving units, a thermometer, an outside power receptacle, an inside light, an indicating light, and a floor drain.
- h. Type II, 600 Cubic Feet Unit. The Type H, 600 cubic feet unit is a single-compartment refrigerator consisting of one walk-in door panel with door, one ramp and canopy, two unit cooler panels, seven standard wall panels, four floor panels, four ceiling panels, and four comer panels. The 600 cubic feet refrigerator is equipped with four hardwood floor racks, four shelving units, a thermometer, outside power receptacle, inside light, an indicating light, and two floor drains.
- i. Type II, 800 Cubic Feet Unit. The Type II, 800 cubic feet unit is a two-compartment refrigerator consisting of two walk-indoor panels with doors, two ramps, two canopies, four unit cooler panels, six standard wall panels, five ceiling panels, five floor panels, four corner panels and two partition panels. This 600 cubic feet refrigerator is equipped with five hardwood floor racks, ten shelving units, two thermometers, two outside power recep-



NOTE: ROOF AND FLOOR PANELS ARE INTERCHANGEABLE.

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Figure 1-3. Double compartment refrigerator, right front, three-quarter view.



NOTE: ROOF AND FLOOR PANELS ARE INTERCHANGEABLE.

MEC 4110-204-13/1-4

Figure 1-4. Double compartment refrigerator, left-rear, three-quarter view

tacles, two inside lights, two indicating lights and two floor drains.

j. Type II, 1200 Cubic Feet Unit. The Type II, 1200 cubic feet unit is a three compartment refrigerator consisting of three walk-in door panels with doors, three ramps, three canopies, six unit cooler panels, eight standard wall panels, seven ceiling panels, seven floor panels, four corner panels and six partition panels. This 1200 cubic feet refrigerator is equipped with seven hardwood floor racks, nine shelving units, three thermometers, three outside power receptacles, three inside lights, three indicating lights and two floor drains.

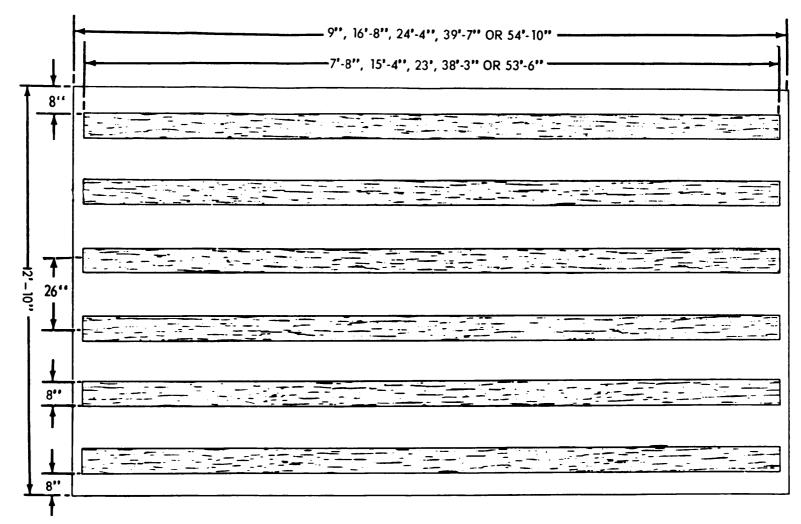
k. Type II, 1400 Cubic Feet Unit. The Type 11, 1400 cubic feet unit is a three compartment refrigerator consisting of three walk-in door panels with doors, three ramps, three canopies, six unit cooler panels, ten standard wall panels, eight ceiling panels, eight floor panels, four corner panels and for partition panels. This 1400

cubic feet refrigerator is equipped with eight hardwood floor racks, ten shelving units, three thermometers, three outside power receptacles, three inside lights, three indicating lights and two floor drains.

1. Type II, 1600 Cubic Feet Unit. The Type II, 1600 cubic feet unit is a three compartment refrigerator consisting of three walk-in door panels with doors, three ramps, three canopies, six unit cooler panels, eleven standard wall panels, nine ceiling panels, nine floor panels, four corner panels and four partition panels. This 1600 cubic feet refrigerator is equipped with nine hardwood floor racks, 12 shelving units, three thermometers, three outside power receptacles, three inside lights, three indicating lights and two floor drains.

## 1-4. Identification and Tabulated Data

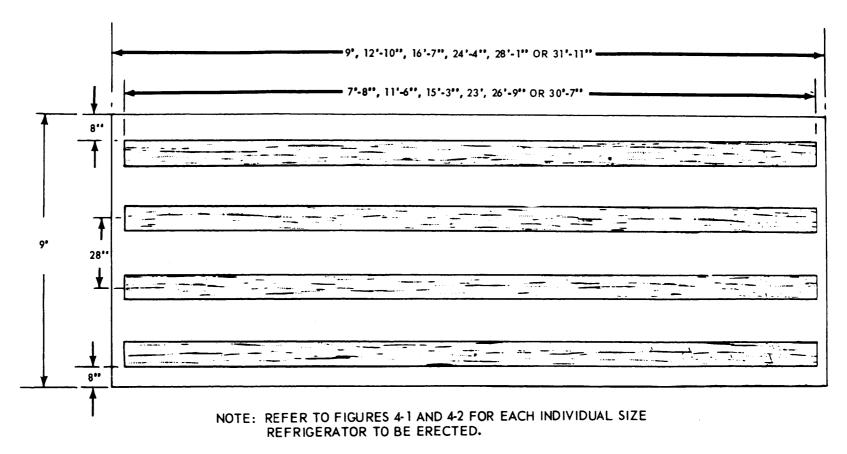
a. Identification. An identification plate is mounted on the door of each walk-in door panel. There are from one to four door panels



NOTE: REFER TO FIGURES 4-1 AND 4-2 FOR EACH INDIVIDUAL SIZE REFRIGERATOR TO BE ERECTED.

MFC 4110-204-13/1-5

Figure 1-5. Base Plan, Type I refrigerators



MEC 4110-204-13/1-

Figure 1-6. Base plan, Type II refrigerators

provided with refrigerators, depending on the size. Each identification plate specifies the nomenclature, manufacturer, class, model number and serial number.

- b. Tabulated Data.
  - (1) General, Due to the fact that this manual covers all sizes of the Type I and Type H refrigerators and that the prefabricated panels from which the units are assembled are manufactured
- by numerous manufacturers, (all panels are interchangeable between various manufacturers since they are all made from the same government drawings), the operator, crew or organizational maintenance personnel will refer to the identification plate on the door of the unit for information desired.
- (2) Base plan. Refer to figure 1-5 for

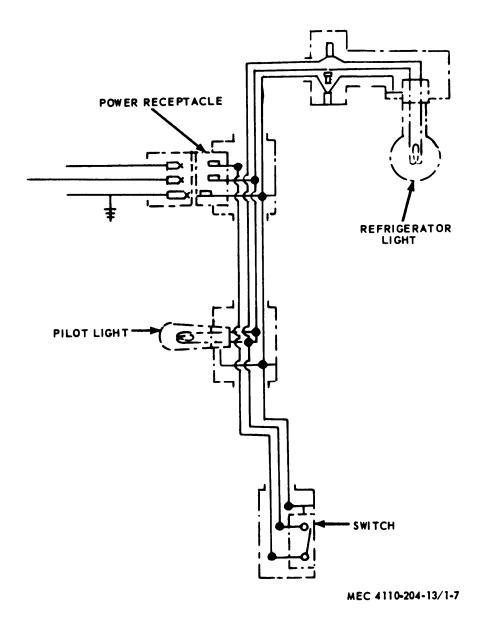


Figure 1-7. Practical wiring diagram

the base of the Type I refrigerator, and to figure 1-6 for the base plan far the Type II units.

#### NOTE

The cribbing used are 8 in. x 8 in. timbers for both the Type I and Type II refrigerators. The width of the base plans remain the same but the length will vary with refrigerator size as shown.

(3) Wiring *diagrams*. Refer to figure 1-7 for a practical wining diagram.

#### 1-5. Differences in Models

This manual covers the 600-cubic foot, 1200-cu. ft., 1800-cu. ft., 3000-cu. ft., and 4000-cu. ft., Type I, Class I and II refrigerator and the 400-cu. ft., 600-cu. ft., 800-cu. ft., 1200-c u. ft., 1400-cu. ft., and 1600-cu. ft., Type II, Class I refrigerators. The only unit differences are the various sizes as stated above and the design modifications incorporated in the 600-c u. ft., Type I units (FSN 4110-269-5096). In this type unit and the 1800J model (FSN 4110-287-3161), all panel gaskets we attached to the panels with staplels, thereby eliminating the gasket 'retainers and retainer screws used in all other models covered 'by this manual.

# CHAPTER 2 INSTALLATION AND OPERATING INSTRUCTIONS

## Section I. SERVICE UPON RECEIPT OF EQUIPMENT

# 2-1. Unloading the Equipment

- a. The crated panels and components of the prefabricated refrigerators may be shipped either by tractor-trailer or rail. The operator and organizational maintenance personnel will remove all tiedown cables, strapping, blocking, and the like, which secure the crated or skid-mounted components to the bed of the carrier. Refer to figure 2-1 and remove all tie-downs and blocking.
- b. Use a suitable lifting device of sufficient capacity, and remove the crated or skid-mounted components from the bed of the carrier.

# 2-2. Unpacking the Refrigerator

Remove banding, crating, and blocking, being extremely careful not to damage the panels. If skid mounted, cut the strapping and remove cushioning and spacers. Unpack separately packed components from the container. Remove tape from drains, switches, and power receptacles.

# 2-3. Inspecting and Servicing Equipment

- a. Inspecting.
- (1) Make a complete visual inspection of all component parts of the prefabricated refrigerator for loss of parts or damage which may have occurred during shipment.
- (2) Tighten all loose mounting hardware and replace damaged or missing parts. Inspect for a clogged drain strainer. Make certain all latches are in proper working condition.
- (3) Before placing any panel in position, make certain all panel hooks rotate freely and are rotated fully counterclockwise. Remove all foreign material from panel fastener recesses and make sure hooks are not damaged or bent. Lubricate as necessary.

- b. Servicing.
- (1) Perform the quarterly preventive maintenance services (para 3-7).
  - (2) Lubricate all latches and hinges (para 3-4).
- (3) Wipe all moisture from doors and door gastets.

# 2-4. Installation and Setting-Up Instructions

- a. The refrigerator must be setup on a flat, level surface or platform capable of withstanding 250 pounds per square foot. It is desirable to pick a shaded area to increase the efficiency of the refrigerator.
- b. The refrigerator maybe setup inside or outside a shed or building.
- c. Set up the refrigerator in the numerical sequence as illustrated in figure 2-2 commencing with a corner panel A. Assembly may commence in both directions, ending with a corner panel A. It may be necessary to remove a corner panel to facilitate installation of the last wall panel B.
- d. Fasten the refrigerator panels together as instructed in figure 2-3.

# 2-5. Installation of Separately Packed Components

- a. Install the ramp in its proper location shown in figure 2-2.
- b. Install the floor racks in their proper position in the refrigerator.
- c. Refer to figure 2-4 and install the light as instructed.
- d. Refer to figure 2-4 and install the thermometer as instructed.
- e. Install tape over panel joints in figure 1-2. Tape should be installed on roof joints first and then the wall and floor.

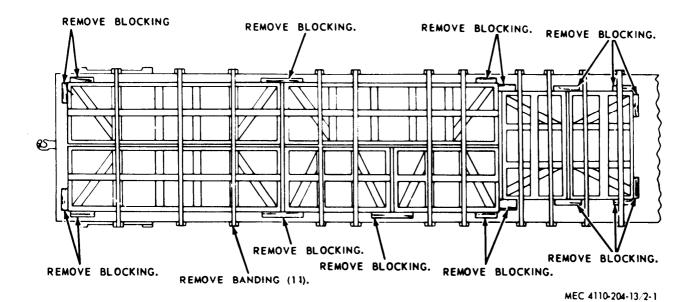


Figure 2-1. Blocking and tie-downs.

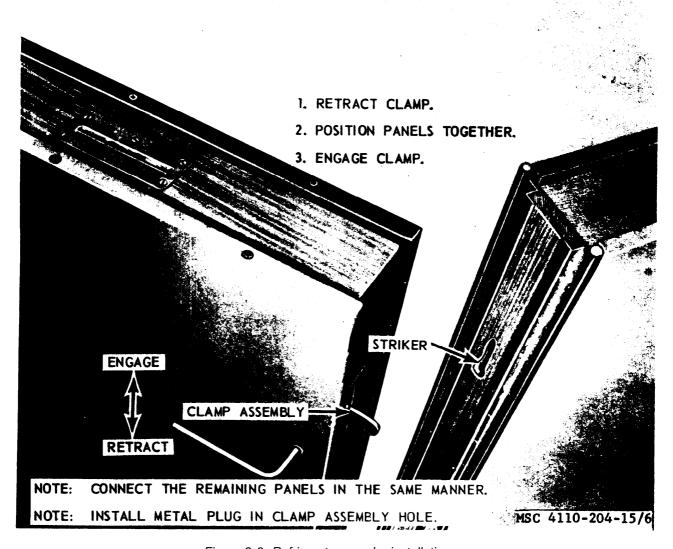
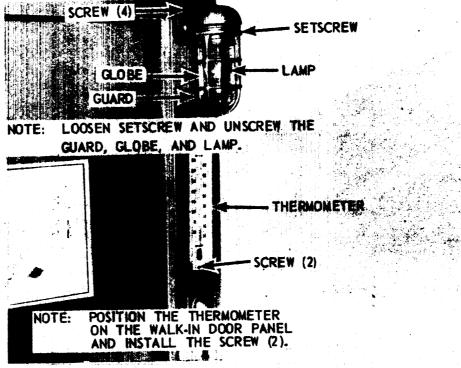
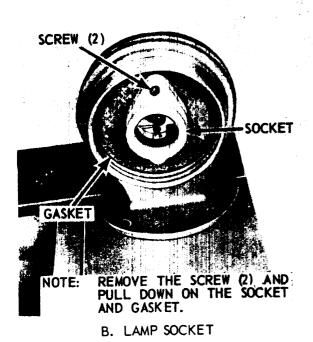


Figure 2-3. Refrigerator panels, installation

NOTE: STRAIGHTEN THE ELECTRICAL LEADS, POSITION THE WAREHOUSE LIGHT ASSEMBLY ON THE WALK IN DOOR PANEL, AND INSTALL THE SCREW (4).



A. LIGHT ASSEMBLY AND THERMOMETER





MEC 4110-204-13/2-4

Figure 2-4. Light assembly and thermometer installation

#### Section II. MOVEMENT TO A NEW WORKSITE

#### 2-6. Dismantling for Movement

a. Disconnect the external power supply cable.

#### NOTE

Remove tape from all joints before disassembly of panels.

- b. Refer to figure 2-4 and remove the light assembly in the reverse order of installation.
- c. Refer to figure 2-4 and remove the thermometer in the reverse order of installation.
- d. Refer to figure 2-3 and disconnect the refrigerator panels in the reverse order as shown.
- e. Refer to figure 2-2 and disassemble the refrigerator in the reverse order of assembly.
- f. Crate the components in the original shipping

crates, if available. For short distance, or if original shipping crates are not available, place the components in easily handled loads on skids. Place cushioning material and wooden spacers between surfaces that are easily damaged. Secure the skids with metal banding. Cushion the thermometers with cellulose wadding or other cushioning material. Pack the cushioned items with basic issue items in a suitable fiberboard container.

g. Refer to paragraph 2-1 and load and secure the refrigerator crates to the bed of the carrier.

#### 2-7. Reinstallation After Movement

Refer to paragraph 2-1 and reinstall the prefabricated refrigerator as instructed.

#### Section III. CONTROLS AND INSTRUMENTS

#### 2-8. General

This section describes, locates, illustrates, and furnishes the operator, crew, or organizational maintenance personnel sufficient information about the various controls and instruments for proper opera-

tion of the prefabricated refrigerator.

#### 2-9. Controls and Instruments

The purpose of the controls and instruments and the normal and maximum reading of the instruments are illustrated in figure 2-5.

#### Section IV. OPERATION OF EQUIPMENT

#### 2-10. General

The instructions in this section are published for the information and guidance of the personnel responsible for the operation of the prefabricated refrigerator warehouse.

#### 2-11. Operation Under Usual Conditions

- **a.** After the refrigerator is assembled and the refrigeration unit has been connected, the refrigerator is ready for operation. Refer to the appropriate technical manual covering the cooling unit used and opcrate the unit as instructed.
- b. Observe the thermometer regularly (fig. 2-5) to be sure the desired temperature is maintained.

#### NOTE

Be sure that the walk-in doors are closed securely when not in use to prevent heat from entering the refrigerator.

## 2-12. Operation Under Rainy or Humid Conditions

If the unit is installed outside, protect the hinges and latches by coating them with a waterproof substance, such as grease or heavy oil to prevent rust or corrosion. Use canvas or other water proof material to protect the unit as much as possible in order to reduce the rusting and corrosion action.

#### 2-13. Operation in Salt-water Areas

- a. Wash the unit frequently with clean, fresh water.
- b. Coat exposed metal surfaces with rust proofing material. Remove rust or corrosion immediately and apply paint and/or oil as applicable.

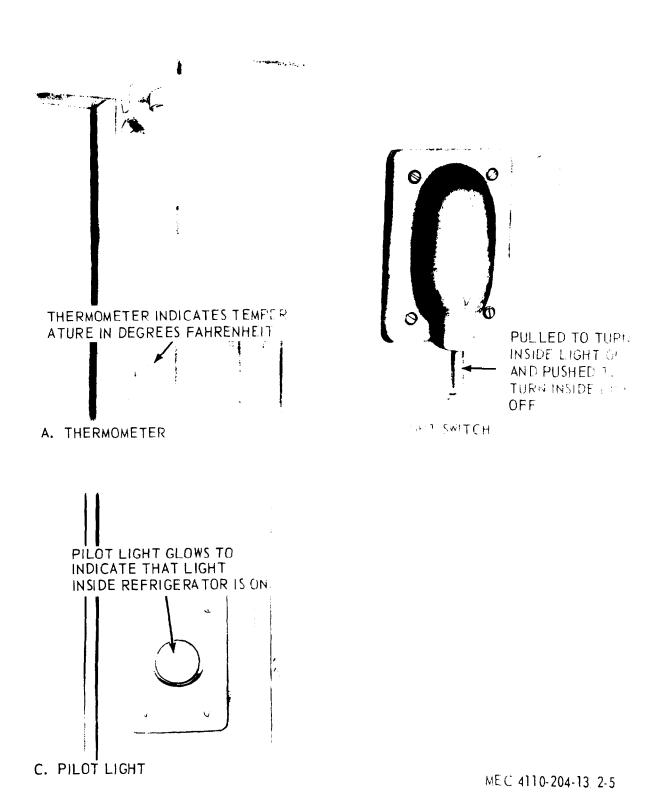


Figure 2-5. Controls and instruments.

#### **CHAPTER 3**

#### OPERATOR AND ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

#### Section I. OPERATOR AND ORGANIZATIONAL MAINTENANCE TOOLS AND EQUIPMENT

#### 3-1. Special Took and Equipment

No special tools or equipment are required by the operator or organizational maintenance personnel for the maintenance of the prefabricated refrigerator warehouse.

#### 3-2. Basic Issue Tools and Equipment

Tools and repair parts issued with or auth-

orized for the prefabricated refrigerator are listed in the basic issue items list, Appendix B of this manual.

### 3-3. Organizational Maintenance Repair Parts

Organizational maintenance repair parts are listed and illustrated in Appendix D.

#### Section II. LUBRICATION AND PREVENTIVE MAINTENANCE SERVICES

#### 3-4. Lubrication

The prefabricated refrigerator requires lubrication of the door hinges and latch only. Clean the hinges and latch with an approved cleaning solvent and apply a lightweight oil sparingly as required.

## 3-5. Preventive Maintenance Services, General

To insure that the prefabricated refrigerator is ready for operation at all times, it must be inspected systematically, so that defects may be discovered and corrected before they result in serious damage or failure. The necessary preventive maintenance services to be performed are listed consecutively and are described in paragraphs 3-6 and 3-7. The item numbers indicate the sequence of minimum inspection requirements. Defects discovered during operation of the unit shall be noted for future correction, to be made as soon as operation has ceased. Stop operation immediately if a deficiency is noted during operation which would damage the equipment if operation were continued. All deficiencies and shortcomings will be recorded together with the corrective action taken on DA Form 2404 (Equipment Inspection and Maintenance Worksheet) at the earliest possible opportunity.

#### 3-6. Daily Preventive Maintenance Services

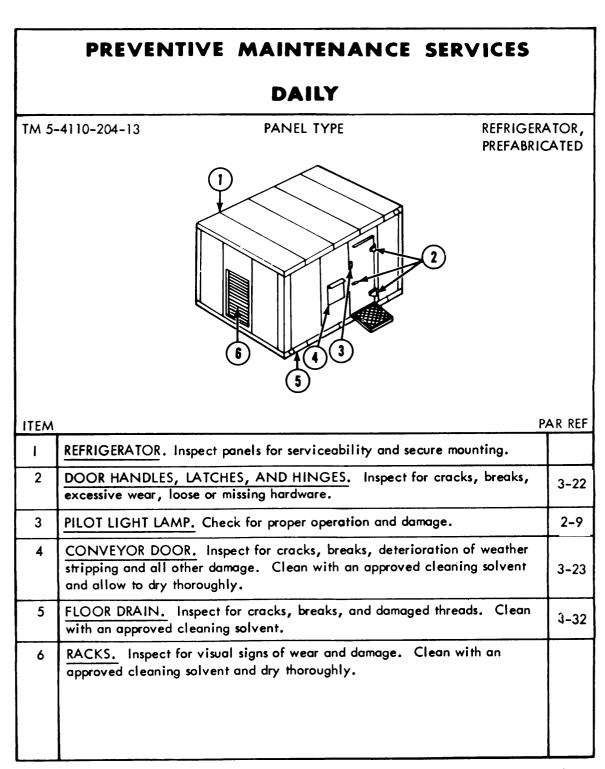
This paragraph contains an illustrated tabulated listing of preventive maintenance services which must be performed by the operator or crew. The item numbers are listed consecutively and indicate the sequence of minimum requirements. Refer to figure 3–1 for the daily preventive maintenance services.

## 3-7. Quarterly Preventive Maintenance Services

- a. This paragraph contains an illustrated tabulated listing of preventive maintenance services which must be performed by organizational maintenance personnel at quarterly intervals. A quarterly interval is equal to 3 calendar months or 250 hours of operation, whichever occurs first.
- b. The item numbers are listed consecutively and indicate the sequence of minimum requirements. Refer to figure 3–2 for the quarterly preventive maintenance services.

#### 3-8. General

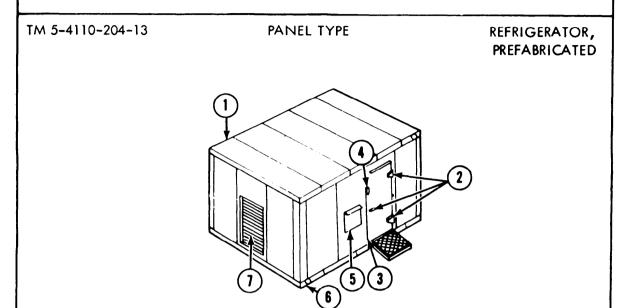
The instructions in this section are published for the information and guidance of the operator to maintain the prefabricated refrigerator.



MEC 4110-204-13/3-1

Figure 3-1. Daily preventive maintenance Services

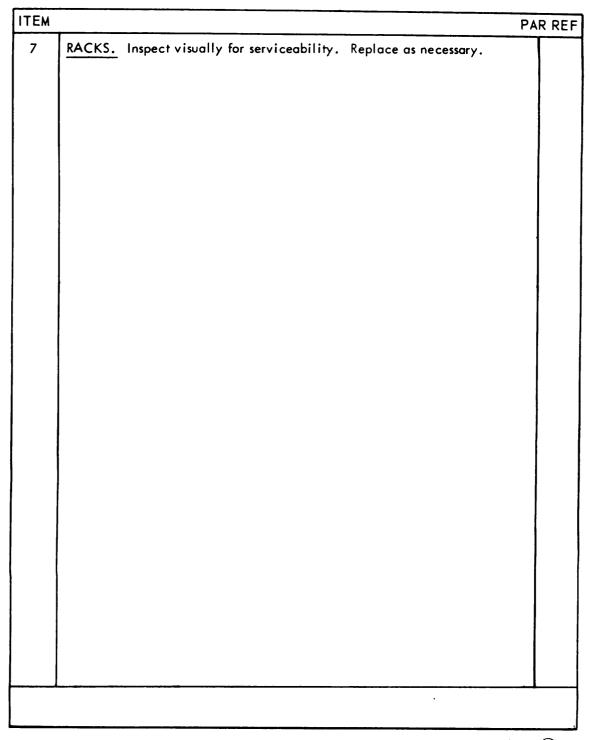
# PREVENTIVE MAINTENANCE SERVICES QUARTERLY



| ITEM |   | AR REF |
|------|---|--------|
| 1    | REFRIGERATOR. Inspect panels for serviceable condition and replace if necessary.  |        |
| 2    | DOOR HANDLES, LATCHES AND HINGES. Inspect for cracks, breaks, excessive wear, loose or missing hardware. Replace as necessary. Polish door handle. Oil hinges with OE periodically. | 3-22   |
| 3    | POWER RECEPTACLE. Inspect receptacle and cover for cracks and breaks. Replace as necessary. Clean all parts with an approved solvent and dry thoroughly.                            | 3-17   |
| 4    | PILOT LIGHT LAMP. Inspect for proper operation and damage. Replace as necessary. Clean cover and lens with an approved solvent and dry thoroughly.                                  | 3-18   |
| 5    | CONVEYOR DOOR. Inspect door for cracks, breaks, weather stripping and a defective seal. Replace as necessary.   | 3-23   |
| 6    | FLOOR DRAIN. Inspect for serviceability, secure mounting, and leaks. Replace as necessary.  | 3-32   |

MEC 4110-204-13/3-2 (1)

Figure 3-20. Quarterly preventive maintenance services



MEC 4110-204-13/3-2 ②

Figure 3-2 —Continued

#### Section III. OPERATORS MAINTENANCE

#### 3-9. Refrigerator Light Lamp

- a. Removal. Refer to figure 3-3 and remove the refrigerator light lamp.
- b. Installation. Refer to figure 3-3 and install the refrigerator light lamp.

#### 3-10. Pilot Light Lamp

- a. Removal. Refer to figure 3-4 and remove the pilot light lamp.
- b. Installation. Refer to figure 34 and install the pilot light lamp.

#### 3-11. General

This section provides information useful in diagnosing and correcting unsatisfactory operation or failure of the refrigerator and its components. Each trouble symptom stated is followed by a list of probable causes of the trouble. The possible remedy recommended is described opposite the probable cause.

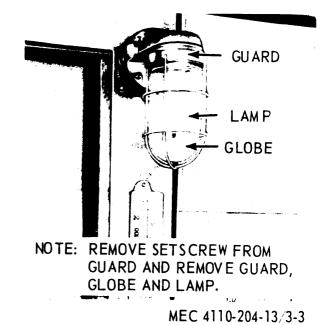
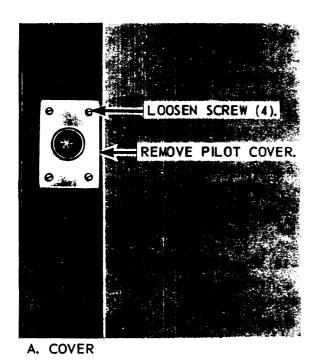
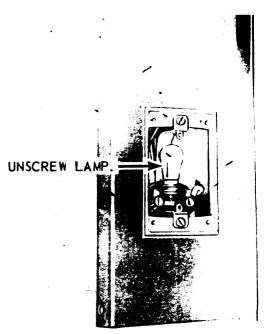


Figure 3-3. Refrigerator light lamp, removal and installation





B. LAMP

MEC 4110-204-13/3-4

Figure 3-4. Pilot light lamp, removal and installation

#### Section IV. TROUBLESHOOTING

#### 3-12. Lights Inoperative

| Probable cause                  | Possible remedy              |
|---------------------------------|------------------------------|
| Probable cause Defective switch | Replace switch (pára.        |
|                                 | 3-19).                       |
| Loose wiring connections        |                              |
|                                 | and repair wiring.           |
| Defective receptacle            | _Replace receptacle ( para., |
|                                 | 3-18)                        |
| External power supply _         | _Connect power supply.       |

#### 3-13. Drains Inoperative

| Probable cause      | Possible remedy           |
|---------------------|---------------------------|
| Clogged drain       | Clean drain strainér.     |
| Cap on drain outlet | Remove cap from outlet.   |
| Drain pipe clogged  | Remove strainer and clean |
|                     | drain pipe (para. 3-32).  |

## 3-14. Refrigerator Does Not Retain Proper Cooling Temperature

| ooomig romp                              | Joiataio                              |
|--|---------------------------------------|
| Probable cause                           | Possible remedy                       |
| Door striker plate not properly adjusted | Adjust striker latch (para 3-22)      |
| Door gasket worn or<br>missing           | Replace gasket ( para.<br>3-28) .     |
| Door defective                           | Replace door ( para. 3-21 ).          |
| Outside or inside skin damaged           | Repair or replace panel (para. 3-30). |
|  |                                       |

#### Section V. ELECTRICAL COMPONENTS

#### 3-15. General

The electrical components of refrigerator are the inside light, pilot light, light switch, and plug receptacle with the necessary wiring to complete the circuit.

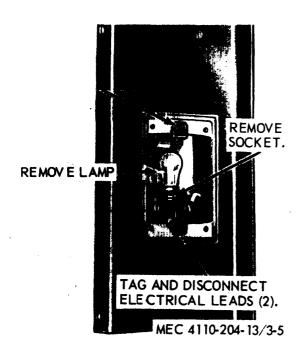


Figure 3-5. Pilot light, removal and installation

#### 3-16. Refrigerator Light Assembly

- a. Removal. Refer to figure 2-4 and remove the refrigerator light assembly.
- b. Installation. Refer to figure 2-4 and install the refrigerator light assembly.

#### 3-17. Pilot Light

- a. Removal.
  - (1) Refer to paragraph 3-10 and remove the pilot light cover.
  - (2) Refer to figure 3-5 and remove the pilot light socket.
- b. Installation.
  - (1) Refer to figure 3-5 and install the pilot light socket.
  - (2) Refer to paragraph 3-10 and install the pilot light cover.

#### 3-18. Plug Receptacle

- a. Removal. Refer to figure 3-6 and remove the plug receptacle.
- b. Installation. Refer to figure 3-6 and install the plug receptacle.

#### 3-19. Light Switch

- a. Removal. Refer to figure 3–7 and remove the light switch.
- b. Installation. Refer to figure 3–7 and install the light switch.

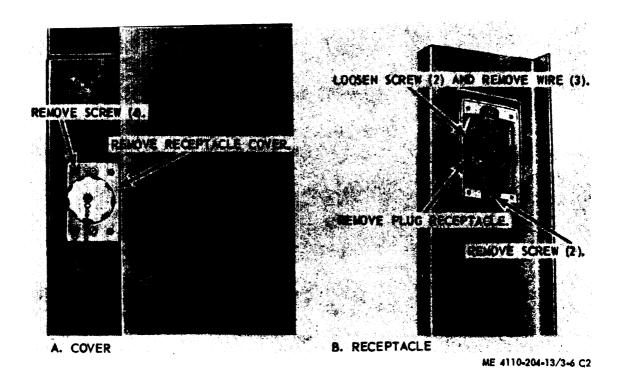


Figure 3-6. Plug receptacle, removal and installation.

#### Section VI. REFRIGERATOR COMPONENTS

#### 3-20. General

This section provides organizational maintenance personnel with Instruction neccesary for maintenance of the refrigerator components which consists of walk-in door panels, conveyor door panels, wall panels, corner panels, floor and roof panels, hardwood floor racks, and the necessary hardware to complete the refrigerator.

#### 3-21. Walk-In Door

- a. RemovaL Refer to figure 3-18, and remove the walk-in door.
- b. Installation. Refer to figure 3-8 and insall the walk-in door.

#### 3-22. Walk-In Door Handles and Latch

a. Removal. Refer to figure 3-9, and remove the walk-in door handles and latch.

- b. Installation. Refer to figure 3-9, and install the walk-in door handles and latch.
- c. Adjustment. Refer to figure 3-9, and adjust the stirker latch to provide an airtight fit when the door is closed.

#### 3~23. Conveyor Door

- a. Removal. Refer to figure 3-8, and remove the conveyor door.
- b. Installation. Refer to figure 3-8, and install the conveyor door.

#### 3-24. Conveyor Door Latch and Handle.

The 1800J model refriigerator conveyor door latch is identical to the walk-in door latch.

- a. Removal.
- (1) Refer to figure 3-10, and remove the convey door handle.
- (2) Refer to figure 3-11, and remove the conveyor door latch.

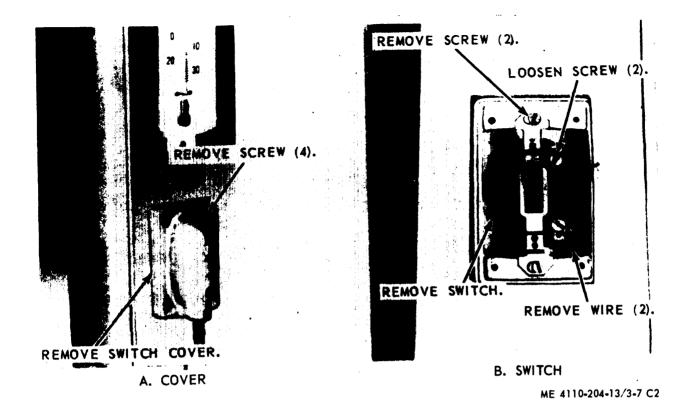


Figure 3-7. Light witch, removal and installation,

- b. Installation,
- (1) Refer to figure 3-11, and install the conveyor door latch.
- (2) Refer to figure 3-10, and install the conveyor door handle.

#### 3-25. Conveyor Door Roller

The 1800J model refrigeratar does not have a conveyor door roller.

- a. Removal. Refer to figure 3-10, and remove the conveyor door roller.
- b. Installation. Refer to figure 3-10, and install the conveyor door rollers.

#### 3-26. Conveyor Door Curtain

- a. Removal. Refer to figure 3-10, and remove the conveyor door curtain,
- b. Installation. Refer to figure 3-10, and install the conveyor door curtain.

#### 3-27. Conveyor Door Canopy

The 1800J model refrigerator does not have a door canopy.

- a. Removal. Refer to figure 3–12, and reremove the conveyor door canopy.
- b. Installation. Refer to figure 3–12, and install the conveyor door canopy.

#### **NOTE**

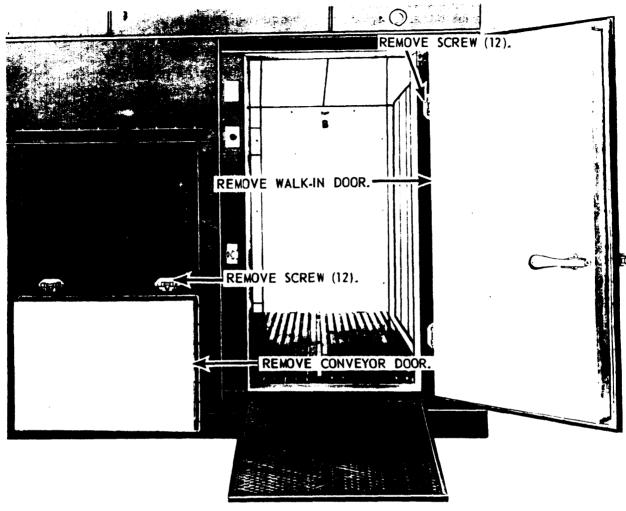
On the 600-cu. ft., Type I units (FSN 4110-269-5096) and the 1800J unit (FSN 4110-287-3161), all panel gaskets are attached with staples in place of retainers and retainer screws. To remove gaskets, pry out staples with a common screwdriver. Attach new gaskets with staples (0.63 x 1/2 x 5/8 in.) spaced 2 1/2 inches apart.

#### 3-28. Refrigerator Panel and Door Gaskets

- a. Removal. Refer to figure 3–13, and re move the panel and door gaskets.
- b. Installation. Refer to figure 3-13, and install the panel or door gaskets.

#### 3-8 Change 2

### NOTE: OPEN THE DOOR AND USE SUITABLE BLOCKING BEFORE REMOVING DOORS.



NOTE: REMOVE ALL REMAINING WALK-IN DOORS OR CONVEYOR DOORS IN THE SAME MANNER.

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Figure 3-8. Walk-in and conveyor doors, removal and installation.

#### 3-29. Panel Clamp Assemblies

- a. Removal. Refer to figure 3-13, and remove the panel clamp assemblies.
- b. Installation. Refer to figure 3-13, and install the panel clamp assemblies.

#### 3-30. Refrigerator Panels

a. Removal. Refer to paragraph 2-6, and remove the refrigerator panels.

#### **NOTE**

It is only necessary to remove panels next to the one being replaced. The roof panels may be removed starting at either end. Wall disassembly may start at any corner.

- b. Repair. When the skin of the panels is cracked, torn, or punctured, thereby exposing the insulation, the refrigerator will not cool properly and must be repaired. Repair the panels as instructed below.
  - (1) Minor repairs.
- (a) Seal minor holes and punctures with sealing compound conforming to specification TT-S-230, Gum Grade, (8030-965-2397]
- (b) Minor rips or tears will be repaired by use of repair kit MIL-2-58047(CE) or MIL-R-19907C (2090-372-6064) as follows:
- (c) Roughen metal area around damaged area in order to remove paint and improve adherence properties of patching material on panel.

#### TM 5-4110-204-13

- (d) Apply epoxy mixture and patch material from repair kit as specified.
- (e) Apply tape over the entire patch area and the panel is ready for use.
- (f) For damaged areas up to 144 sq. in., follow above steps for use of repair kit, but apply epoxy to cloth, nylon, or like type material which has been cut to 2 to 3 inches greater in each direction of the hole to be covered.
  - (g) Affix the patch over the damaged area
- (h) Tape the patch in vertical and horizontal directions so that the patch will not move while curing. It will take approximately 2 hours for the patch to adhere properly.
  - (2) Major Repairs.
- (a) Obtain a metal plate large enough to cover the damaged area.
- (b) Apply a watertight sealer between the metal plate and the surface of the panel to be repaired.
- (c) Press plate tightly against the panel, and secure it with sheet metal screws.

#### **NOTE**

If the fiberglass insulation should become saturated with moisture due to leakage of the panel, the panel should be removed and the moisture baked out of it. If the panel is too saturated to dry out, the insulation must be replaced in the panel. The 1800J model refrigerator has polyurethane insulation.

c. *Installation* Refer to paragraph 2-4, and install the refrigerator panels.

#### 3-31. Thermometer

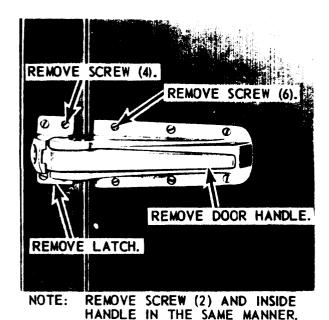
- a. Removal. Refer to paragraph 2-5, and remove the thermometer from the door panel.
- b. Installation Refer to paragraph 2-5 and install the thermometer on the door panel.

#### 3-32. Drain Strainer

- a. Removal. Refer to figure 3-14, and remove the drain strainer.
- *b. Intstallation.* Refer to figure 3-14, and install the drain strainer.

#### 3-33. Slide Botts

- a. RemovaL Remove the four screws that secure the slide bolts to the partition panels, and remove the slide bolts.
- b. Installtion Position the slide bolts on the partition panels, and secure them with four mounting screws.



A. HANDLES AND STRIKER LATCH

ADJUSTMENT SCREW

LOCKSCREW

STRIKER LATCH

NOTE: LOOSEN THE LOCKSCREW AND TURN ADJUSTMENT SCREW TO ADJUST THE STRIKER LATCH. AFTER ADJUSTMENT, TIGHTEN THE LOCKSCREW.

B. ADJUSTMENT

ME 4110-204-13/3-9 C5

Figure 3-9. Walk-in door ha miles and striker latch removal, installation and adjustment.

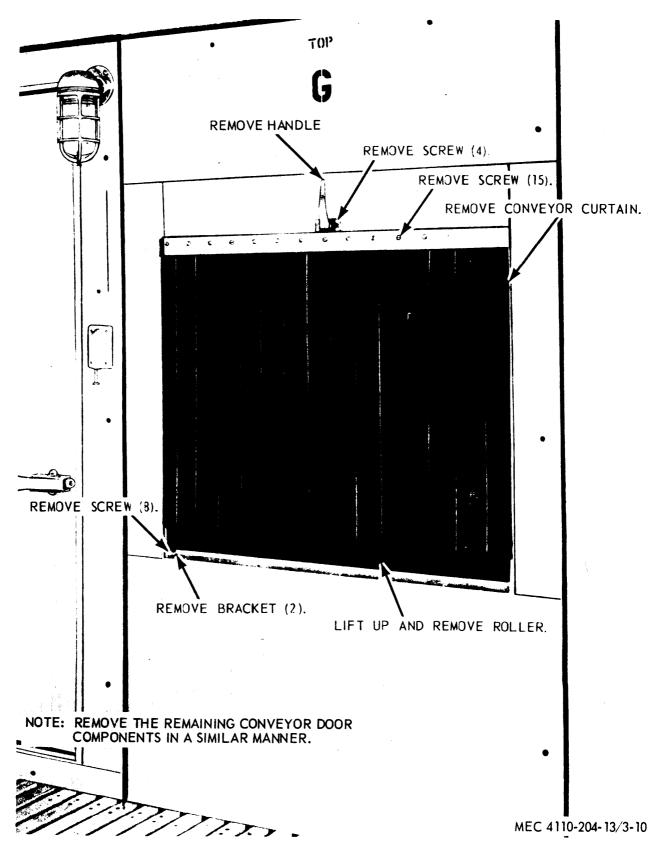


Figure 3-10. Conveyor door handle, rcller and curtain, removal and installation

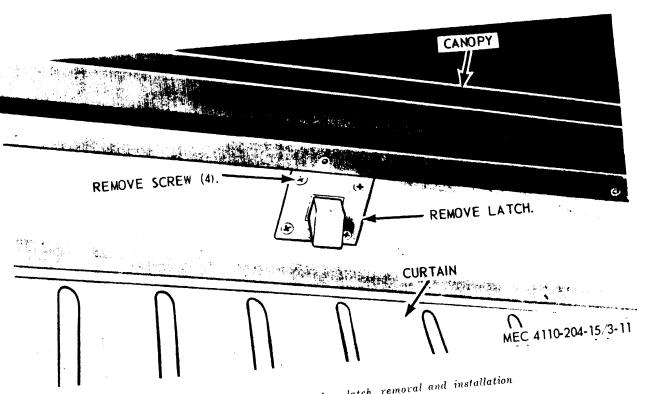


Figure 3-11. Conveyor door latch, removal and installation

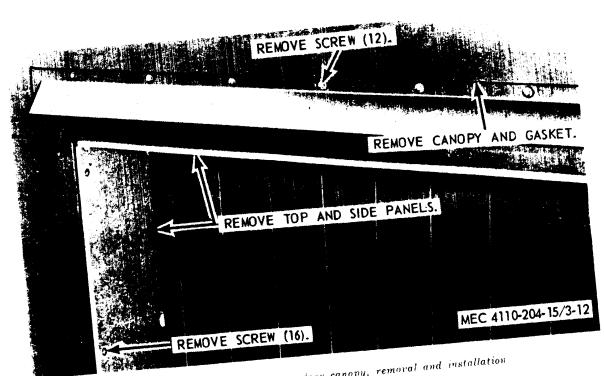


Figure 3-12. Conveyor door canopy, removal and installation

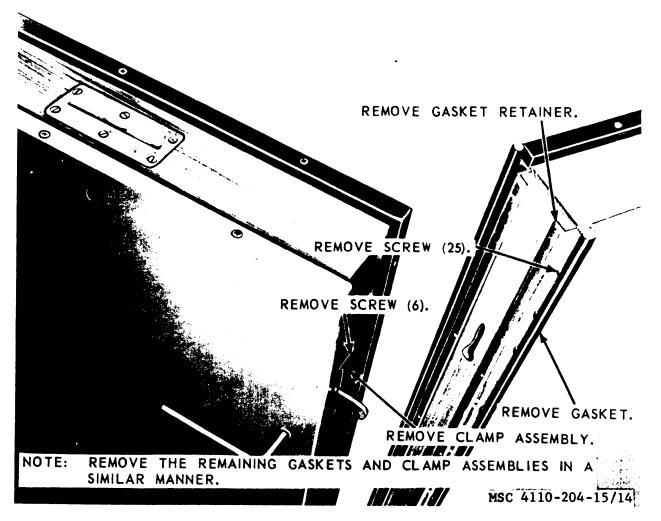


Figure 3–13, Refrigerator panel and door seals, and clamp assemblies, removal and installation

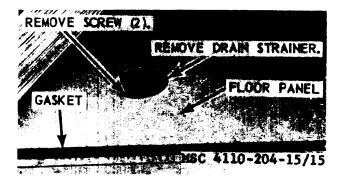


Figure 3-14. Drain strainer, removal and installation

#### CHAPTER 4 DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

#### Section I. GENERAL

#### 4-1. Scope

a. These instructions are published for the use of direct support maintenance personnel mainta.ining the panel type prefabricated refrigerator. They provide information on the maintenance of the equipment, which is beyond the scope of the tools, equipment, personnel, or supplies normally available to using organizations.

b. Report all equipment improvements recommendations as prescribed by TM 38-750.

#### 4-2. Record and Report Forms

1400 cu ft Unit

1600 cu ft Unit

of strip) Curtain, conveyor door

of strips)

Partition assembly

Roller

Gasket

Panel assembly (each)

Floor rack assembly (each)

(Includes removal and installation

(Includes removal and installation

For record and report forms applicable to direct support maintenance, refer to TM 38-750.

Note. Applicable forms, excluding Standard Form 46 which is carried by the operator, shall be kept in a canvas bag mounted on the equipment.

#### Section II. DESCRIPTION AND TABULATED DATA

#### 4-3. Description 600 cu ft Unit 8.0 1200 cu ft Unit 16.0 For a complete description of the prefabricated 1800 cu ft Unit 24.0 refrigerator see paragraph 1-3. 3000 cu ft Unit 40.0 4000 cu ft Unit 51.4 4-4. Tabulated Data Type II, Class 1: 400 cu ft Unit 5.3 a. General. This paragraph contains the time 600 cu ft Unit 8.0 standards and list of components necessary for 800 cu ft Unit 10.6 construction of the various size refrigerators. 1200 cu ft Unit 16.0

b. The Standards. Table 4-1 lists the number of man-hours required u rider normal conditions for various operations in the maintenance and repair of the prefabricated refrigerators. The man-hours listed are not intended to be rigid standards. Under adverse conditions, the operation will take considerable longer; but under ideal conditions with highly skilled mechanics, most of the operations can be accomplished in considerably less time.

Refer to paragraph 1-4 for general tabulated data.

Table 4.1 Time Standards

| Table 4-1. Time Standards              |       | Clamp and striker assembly Barrel bolt assemblies | 3.4<br>0.8 |
|--|-------|---|------------|
| Removal and Replacement                | Hours | Door panels                                       | 3.2        |
| 22 BODY CHASSIS OR HULL, AND ACCESSORY |       | Door latch and hinge assemblies                   | 1.1        |
| ITEMS                                  |       | Lock, door latch                                  | 0.1        |
| 2210 Data Plates                       |       | Light assembly, pilot                             | 0.9        |
| Plates, data                           | 0.2   | Lamp  | 0.2        |
| Plates, instruction                    | 0.2   | (Includes removal and installation                |            |
| 80 STORAGE EQUIPMENT                   |       | of cover)   |            |
| 8000 Refrigerator warehouse            |       | Switch assembly                                   | 0.3        |
| Warehouse assembly                     |       | Receptacle  | 0.4        |
| Type I, Class I;                       |       | Light assembly, refrigerator                      | 0.6        |

18.6

21.2

0.7

2.1

0.2

1.5

0.6

2.5

#### TM 5-4110-204-13

| Lamp   | 0.9 |
|--|-----|
| (Includes removal and installation of guard and cover).  |     |
| Cover (Includes removal and installation of guard).  | 002 |
| Gasket (Includes removal and installation of guard, cover and fittings).                         | 0.4 |
| Power receptacle assembly (Includes removal and installation of guard, cover gasket and wiring). | 0.4 |
| Cover and gasket (Includes removal and installation of guard).                                   | 0.2 |
| Guard, power receptacle (Includes removal and installation of chain).                            | 0.2 |
| Thermometer  | 0.2 |
| Strainer assembly (Includes removal and installation of plug).                                   | 1.8 |

Canopy 2.9 (Includes removal and installation of panels).

Ramp 0.06

c. Refrigerator Component Data. Tables 4-2 and 4-3 list the type and number of panels and other components necessary for construction of all sizes of the Type I and Type II, Class I refrigerators. Refer to figures 4-1 and 4-2 for nomenclature identifier calllouts listed in the tables.

#### NOTE

The ramp and conveyor panel with door are optional. When not required, the conveyor panel with door is replaced by a stantard wall panel. The 1800J Model Refrigerator is similar to the Type I, Class I refrigerator. For the 1800J unit, the romp, conveyor panel, and J Panel are optional; and when the conveyor panel is required, it replaces other standard wall panels.

Table 4-2. Refiigerator Component Data - Type I, Class I

|                                    | Panel or component nomenclature |              |            | Quantity    | Needed      |             |
|------------------------------------|---------------------------------|--------------|------------|-------------|-------------|-------------|
|                                    | Taket or component nomencialare |              | 600-cu ft. | 1200-cu ft. | 1800-cu ft. | 4000-cu ft. |
| Corner panel                       |                                 | (A)          | 4          | 4           | 4           | 4           |
| Standard wall panel                |                                 | (B)          | 8          | 11          | 14          | 26          |
| Walk-in door panel w/door          |                                 | (C)          | 1          | 1           | 2           | 4           |
| Evaporator panel                   |                                 | (D)          | 1          | 2           | 2           | 4           |
| Floor or ceiling panel, end, left  |                                 | (EL)         | 2          | 2           | 2           | 2           |
| Floor or ceiling panel, end, right |                                 | (ER)         | 2          | 2           | 2           | 2           |
| Floor or ceiling panel, center     |                                 | ( <b>F</b> ) | 2          | 6           | 10          | 26          |
| Conveyor door panel w/door         |                                 | (G)          | 1          | 1           | 2           | 4           |
| Partition panel                    |                                 | (H1)(H2)(H3) |            |             | 1 each      | 3 each      |
| Canopy                             |                                 |              | 1          | 1           | 2           | 4           |
| Ramp                               |                                 |              | 1          | 1           | 2           | 4           |
| Light globe                        |                                 |              | 1          | 1           | 2           | 4           |
| Thermometer                        |                                 |              | 1          | 1           | 2           | 4           |
| Shelving unit                      |                                 |              | 4          | 9           | 12          | 30          |
| Floor rack, 24 1/4 in. wide        |                                 |              | 4          | 4           | 4           | 4           |
| Floor rack, 41 3/4 in. wide        |                                 |              | 2          | 6           | 10          | 26          |

Table 4-2.1. Refrigerator Component Data

| Panel or component<br>nomenclature |   |        | Number of panels and components used<br>type I, class I refrigerators |                 |                 |                 |  |
|------------------------------------|---|--------|---|-----------------|-----------------|-----------------|--|
|                                    |   |        | 1200<br>cu. ft.   | 1800<br>cu. ft. | 3000<br>cu. ft. | 4000<br>cu. ft. |  |
| Corner panel                       | (A)                                     | 4      | 4   | 4               | 4               | 4               |  |
| Standard wall panel                | (B)                                     | 7      | 10  | 12              | 17              | 22              |  |
| Walk-in door panel w/door          | (C)                                     | 1      | 1   | 2               | 3               | 4               |  |
| Evaporator panel                   | (D)                                     | 1      | 1   | 2               | 3               | 4               |  |
| Floor or ceiling panel, end, left  | (EL)                                    | 2      | 2   | 2               | 2               | 2               |  |
| Floor or ceiling panel, end, right | (ER)                                    | 2      | 2   | 2               | 2               | 2               |  |
| Floor or ceiling panel, center     | (F)                                     | 2      | 6   | 10              | 18              | 28              |  |
| Conveyor door panel w/door         | (G)                                     | 1      | 1   | 2               | 3               | 4               |  |
| Partition panel                    | (H1) (H2) (H3)                          |        | _   | 1 each          | 2 each          | 3 each          |  |
| Canopy                             | , | 1 1    | 1 1   | 2               | 3               | 4               |  |
| Ramp                               |   | 1      | 1   | 2               | 3               | 4               |  |
| Light globe                        |   | 1      | i   | 2               | 3               | 4               |  |
| Thermometer                        |   | 1      | l ī   | $\frac{1}{2}$   | 3               | 1 4             |  |
| Shelving unit                      |   | 4      | 9   | 12              | 21              | 30              |  |
| Floor rack, 241/4 in. wide         |   | 2      | 2   | 2               | 2               | 2               |  |
| Floor rack, 41-3/4 in. wide        |   | l ī    | 3   | 5               | 9               | 13              |  |
| Tape 4"-OD B/PPP-T-60              |   | 1 roll | 1 roll  | 2 rolls         | 3 rolls         | 4 rolls         |  |

Table .4-2.1 Refrigerator Component Data - Continued

| Panel or component         | Number of panels or components used for type II, class I units |                |                |                 |                 |                 |         |
|----------------------------|--|----------------|----------------|-----------------|-----------------|-----------------|---------|
| nomenclature               | 400<br>cu. ft.   | 600<br>cu. ft. | 800<br>cu. ft. | 1200<br>cu. ft. | 1400<br>eu. ft. | 1600<br>cu. ft. |         |
| Corner panel               | (A)  | 4              | 4              | 4               | 4               | 4               | 4       |
| Standard wall panel        | (B)  | 5              | 7              | 7               | 8               | 10              | 11      |
| Walk-in door panel         |  | 1              | j              |                 |                 | ļ               |         |
| with door                  | (C)  | 1              | 1              | 1               | 3               | 3               | 3       |
| Evaporator panel           | (D)  | 2              | 2              | 4               | 5               | 5               | 6       |
| Floor or ceiling panel,    |  | 1              | l              | ļ               | 1               |                 |         |
| end, left                  | (KL)   | 2              | 2              | 2               | 2               | 2               | 2       |
| Floor or ceiling panel,    |  |                | ļ              |                 |                 |                 | 1       |
| end, right                 | (KR)   | 2              | 2              | 2               | 2               | 2               | 2       |
| Floor or ceiling panel     |  |                |                |                 |                 |                 | Ì       |
| center                     | $(\mathbf{M})$   | 2              | 4              | 6               | 10              | 12              | 14      |
| Partition panel            | (H1) (H3)  | I              |                | 1 each          | 2 each          | 2 each          | 2 each  |
| Canopy                     |  | 1              | 1              | 1               | 3               | 3               | 3       |
| Ramp                       |  | 1              | 1              | 1               | 3               | 3               | 3       |
| Light globe                |  | 1              | 1              | 2               | 3               | 3               | 3       |
| Thermometer                |  | 1              | 1              | 2               | 3               | 3               | 3       |
| Shelving unit              |  | 3              | 4              | 6               | 9               | 10              | 12      |
| Floor rack 24-1/4 in wide  |  | 2              | 2              | 2               | 2               | 2               | 2       |
| Floor rack 41-3/4 in. wide |  | 1              | 2              | 3               | 5               | 6               | 7       |
| Tape 4" -OD B/PPP-T-60     |  | 1 roll         | 1 roll         | 1 roll          | 1 roll          | 2 rolls         | 2 rolls |

Table 4-3. Refrigerator Component Data Type II, Class I

| Panel or component                 | Quantity Needed |             |             |             |              |              |              |
|------------------------------------|-----------------|-------------|-------------|-------------|--------------|--------------|--------------|
| nomenclature                       |                 | 400-eu. ft. | 600-cu. ft. | 800-cu. ft. | 1200-eu. ft. | 1400-cu. ft. | 1600-cu. ft. |
| Corner panel                       | (A)             | 4           | 4           | 4           | 4            | 4            | 4            |
| Standard wall panel                | (B)             | 5           | 7           | 7           | 8            | 10           | 11           |
| Walk-in door panel with door       | (C)             | 1           | 1           | 1           | 3            | 3            | 3            |
| Evaporator panel                   | (D)             | 2           | 2           | 4           | 5            | 5            | 6            |
| Floor or ceiling panel, end, left  | (KL)            | 2           | 2           | 2           | 2            | 2            | 2            |
| Floor or ceiling panel, end, right | (KR)            | 2           | 2           | 2           | 2            | 2            | 2            |
| Floor or ceiling panel, center     | (M)             | 2           | 4           | 6           | 10           | 12           | 14           |
| Partition panel                    | (H1) (H3)       |             | 1           | 1 each      | 2 each       | 2 each       | 2 each       |
| Canopy                             |                 | 1           | 1           | 1           | 3            | 3            | 3            |
| Ramp                               |                 | 1           | 1           | 1           | 3            | 3            | 3            |
| Light Globe                        |                 | 1           | 1           | 2           | 3            | 3            | 3            |
| Thermometer                        | ļ               | 1           | ] 1         | 2           | 3            | 3            | 3            |
| Shelving unit                      |                 | 3           | 4           | 6           | 9            | 10           | 12           |
| Floor rack 24 1/4 in. wide         | ì               | 2           | 2           | 2           | 2            | 2            | 2            |
| Floor rack 41 3/4 in. wide         | ļ               | 1           | 2           | 3           | 5            | 6            | 7            |

#### CHAPTER 5

#### GENERAL MAINTENANCE INSTRUCTIONS

#### Section I. SPECIAL TOOLS AND EQUIPMENT

#### 5-1. Special Tools and Equipment

There are no special tools or equipment necessary to perform direct support maintenance on the panel type prefabricated refrigerators.

## 5-2. Direct Support Maintenance Repair Parts

Direct support maintenance repair parts are

listed and illustrated in Appendix D of this manual.

## 5-3. Specially Designed Tools and Equipment

There are no specially designed tools or equipment necessary to perform direct support maintenance on the panel type prefabricated refrigerator.

#### Section II. DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

#### 5-4. General

Direct support maintenance personnel are responsible for replacement of the prefabricated refrigerators when it becomes necessary that the entire units be replaced. Replacement of the data plates which are located on the walk-in doors is also a responsibility of direct support maintenance.

#### 5-5. Prefabricated Refrigerator

- a. Removal. Refer to paragraphs 3-30 and 2-6 and remove all ceiling panels, walk-in door panels, conveyor door panels, evaporator panels, corner panels and floor panels.
- b. Installation. Refer to paragraphs 3-30 and 2-4 and install all floor panels, corner panels, evaporator panels, conveyor door panels, walk-in door panels and ceiling panels.

## APPENDIX A REFERENCES

#### A-1. Fire Protection

TB 5-4200-20010 Hand Portable Fire Extinguishers Approved for Army Users

#### A-2. Operating Instructions

| it is a positioning into the distriction |  |
|--|--|
| TM 5-4110-203-15                         | Refrigeration Unit, Panel Type, 9,000 BTU  |
| TM 5-4110-209-15                         | Refrigeration Unit, Panel Type, 5,000 BTU  |
| TM 5-4110-210-14                         | Refrigeration Unit, Panel Type, 5,000 BTU  |
| TM 5-4110-212-15                         | Refrigeration Unit, Panel Type, 10,000 BTU |
| TM 5-4110-218-15                         | Refrigeration Unit, Panel Type, 10,000 BTU |
| TM 5-4110-221-14                         | Refrigeration Unit, Panel Type, 5,000 BTU  |
| TM 5-4110-226-14                         | Refrigeration Unit, Panel Type, 10,000 BTU |
| TM 5-4110-227-14                         | Refrigeration Unit, Panel Type, 10,000 BTU |
| TM 5-4110-228-14                         | Refrigeration Unit, Panel Type, 10,000 BTU |
|  |  |

# APPENDIX B BASIC ISSUE **ITEMS LIST AND ITEMS**TROOP INSTALLED OR AUTHORIZED

#### Section I. INTRODUCTION

#### B-I. Scope

This appendix lists items required by the operator for operation of the refrigerator.

#### B-2. General

This list is divided into the following sections

- a. Basic Issue Items List-Section II. Not applicable.
- b. Items Troop Installed or Authorized List-Section III. A list of items in alphabetical sequence, which at the discretion of the unit commander may accompany the refrigerator. These items are NOT SUBJECT TO TURN-IN with the refrigerator when evacuated.

#### B-3. Explanation of Columns

The following provides an explanation of columns in the tabular list of Basic Issue Items List, Sec-

tion II, and Items Troop Installed or Authorized, Section III.

- a. Source, Maintenance and Recoverability Code (SMR). Not applicable.
- b. Federal Stock Number. This column indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.
- c. Description. This column indicates the Federal item name and any additional description of the item required.
- d. Unit of Measure (WM). A two character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.
- e. Quantify Furnished with Equipment (BILL). Not applicable.
- f. Quantify Authorized (Items Troop Installed or Authorized). This column indicates the quantity of the Item authorized to be used with the equipment.

#### Section III. ITEMS TROOP INSTALLED OR AUTHORIZED LIST

| (1)                        | (2)   | (3)<br>Description   |                   | (4)<br>Unit          | (5)<br>Qtyl auth |
|----------------------------|---|--|-------------------|----------------------|------------------|
| SMRi<br>code               | Federal stock<br>number   | Ref. No. & Mfr<br>code   | Usable<br>on code | of<br>meas           |                  |
| PO<br>PO<br>PO<br>PO<br>PO | 7520-559-9618<br>5120-223-7396<br>5120-517-8099<br>5120-234-8913<br>5120-198-5409 | CASE, Maintenance and Operation Manuals PLIERS, Slip joint 6" SCREWDRIVER, Flat SCREWDRIVER, Cross WRENCH, Socket-head (15436) H16 |                   | EA<br>EA<br>EA<br>EA | 1<br>1<br>1<br>1 |

#### **APPENDIX C**

#### Section I. INTRODUCTION

#### The Army Maintenance System MAC

This introduction provides a general explanation of all maintenance and repair functions authorized at the two maintenance levels under the Two-Level Maintenance System concept.

The MAC (immediately following the introduction) designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component. The application of the maintenance functions to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance levels, which are shown on the MAC in column (4) as:

Field - includes two columns, Unit maintenance and Direct Support maintenance. The Unit maintenance column is divided again into two more subcolumns, C for Operator or Crew and O for Unit maintenance.

Sustainment – includes two subcolumns, General Support (H) and Depot (D)

The tools and test equipment requirements (immediately following the MAC) list the tools and test equipment (both special tools and common tool sets) required for each maintenance function as referenced from the MAC. The remarks (immediately following the tools and test equipment requirements) contain supplemental instructions and explanatory notes for a particular maintenance function.

#### **Maintenance Functions**

Maintenance functions are limited to and defined as follows:

- 1. Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel.) This includes scheduled inspection and gagings and evaluation of cannon tubes.
- 2. Test. To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards on a scheduled basis, i.e., load testing of lift devices and hydrostatic testing of pressure hoses.
- 3. Service. Operations required periodically to keep an item in proper operating condition, e.g. to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. This includes scheduled exercising and purging of recoil mechanisms. The following are examples of service functions:
  - a. Unpack. To remove from packing box for service or when required for the performance of maintenance operations.
  - b. Repack. To return item to packing box after service and other maintenance operations.
  - c. Clean. To rid the item of contamination.

C-1 Change 11

- d. Touch up. To spot paint scratched or blistered surfaces.
- e. Mark. To restore obliterated identification.
- 4. Adjust. To maintain or regulate, within prescribed limits, by bringing into proper or position, or by setting the operating characteristics to specified parameters.
- 5. Align. To adjust specified variable elements of an item to bring about optimum or desired performance
- 6. Calibrate. To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.
- 7. Remove/install. To remove and install the same item when required to perform service or other maintenance functions. Install may be the act of emplacing, seating, or fixing into position a spare, repair part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.
- 8. Paint. To prepare and spray color coats of paint so that the ammunition can be identified and protected. The color indicating primary use is applied, preferably, to the entire exterior surface as the background color of the item. Other markings are to be repainted as original so as to retain proper ammunition identification.
- 9. Replace. To remove an unserviceable item and install a serviceable counterpart in its place. "Replace" is authorized by the MAC and assigned maintenance level is shown as the third position code of the Source, Maintenance and Recoverability (SMR) code.
- 10. Repair. The application of maintenance services, including fault location/troubleshooting, removal/installation, disassembly/assembly procedures and maintenance actions to identify troubles and restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

#### NOTE

The following definitions are applicable to the "repair" maintenance function:

Services. Inspect, test, service, adjust, align, calibrate, and/or replace.

Fault location/troubleshooting. The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT).

Disassembly/assembly. The step by step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned an SMR code for the level of maintenance under consideration (i.e. identified as maintenance significant).

Actions. Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.

- 11. Overhaul. That maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.
- 12. Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components.

#### **Explanation of Columns in the MAC**

Column (1) Group Number. Column (1) lists Functional Group Code (FGC) numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA).

Column (2) Component/Assembly. Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

Column (3) Maintenance Function. Column (3) lists the functions to be performed on the item listed in column (2). (For a detailed explanation of these functions refer to "Maintenance Functions" outlined above).

Column (4) Maintenance Level. Column (4) specifies each level of maintenance authorized to perform each function listed in column (3), by indicating work time required (expressed as manhours in whole hours or decimals) in the appropriate subcolumn. This work time figure represents the active time required to perform that maintenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function varies at different maintenance levels, appropriate work time figures are to be shown for each level. The work time figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) to a serviceable condition under typical field operating conditions. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the MAC. The symbol designations for the various maintenance levels are as follows:

C-3

#### Field:

- C Operator or Crew maintenance
- O Unit maintenance
- F Direct Support maintenance

#### Sustainment:

- L Specialized Repair Activity
- H General Support maintenance
- D Depot maintenance

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#### NOTE

The "L" maintenance level is not included in column (4) of the MAC. Functions to this level of maintenance are identified by work time figure in the "H" column of column (4), and an associated reference code is used in the REMARKS column (6). This code is keyed to the remarks and the SRA complete repair application is explained there.

Column (5) Tools and Equipment Reference Code. Column (5) specifies, by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE, and support special equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table.

Column (6) Remarks Code. When applicable, this column contains a letter code, in alphabetic order, which is keyed to the remarks table entries.

#### **Explanation of Columns in the Tools and Test Equipment Requirements**

Column (1) – Tool or Test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in column (5) of the MAC.

Column (2) – Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment.

Column (3) - Nomenclature. Name or identification of the tool or test equipment.

Column (4) – National Stock Number (NSN). The NSN of the tool or test equipment.

Column (5) – Tool Number. The manufacturer's part number.

#### **Explanation of Columns in Remarks**

Column (1) – Remarks Code. The code recorded in column (6) of the MAC.

Column (2) – Remarks. This column lists information pertinent to the maintenance function being performed as indicated in the MAC."

Change 11 C-4

## Section II. MAINTENANCE ALLOCATION CHART FOR REFRIGERATOR, PREFABRICATED PANEL TYPE W/O REFRIGERATING EQUIPMENT

| (1)<br>GROUP | (2)<br>COMPONENT/<br>ASSEMBLY                                      | (3)<br>MAINTENANCE                      | (4) MAINTENANCE LEVEL |          |     |                          | (5)<br>TOOLS AND | (6)<br>REMARKS           |      |
|--------------|--|---|-----------------------|----------|-----|--------------------------|------------------|--------------------------|------|
| NUMBER       | ASSEMBLY   | FUNCTION                                |                       |          |     | SUSTAI                   | NMENT            | -EQUIPMENT<br>-REFERENCE | CODE |
|              |  |   | U                     |          |     | GENERAL<br>SUPPORT DEPOT |                  | CODE                     |      |
|              |  |   | С                     | 0        | F   | H                        | D                | -                        |      |
| 22           | BODY CHASSIS<br>OR HULL, AND<br>ACCESSORY<br>ITEMS<br>PLATES,DATA  | Replace                                 |                       |          | 0.5 |                          |                  |                          |      |
| 2210         | 1 2/(120,5/(//   | Териос                                  |                       |          | 0.0 |                          |                  |                          |      |
| 80           | STORAGE<br>EQUIPMENT<br>COMPONENTS<br>REFRIGERATOR<br>REFRIGERATOR | Inspect<br>Service<br>Replace<br>Repair | *1<br>*1              | *1       | 4.0 |                          |                  |                          |      |
|              | RACK<br>ASSEMBLY,<br>FLOOR   | Replace                                 |                       | *1       |     |                          |                  |                          | А    |
|              | PANEL<br>ASSEMBLIES,<br>PRE-<br>FABRICATED                         | Replace<br>Repair                       |                       | *1<br>*1 |     |                          |                  |                          |      |
|              | ROLLER;<br>GASKET;<br>CONVEYOR<br>DOOR                             | Replace                                 |                       | *1       |     |                          |                  |                          |      |
|              | PARTITION<br>ASSEMBLY  | Replace<br>Repair                       |                       | *1<br>*1 |     |                          |                  |                          |      |
|              | CLAMP AND<br>STRIKE<br>ASSEMBLIES;<br>BARREL BOLT                  | Replace                                 |                       | *1       |     |                          |                  |                          |      |
|              | DOOR PANELS;<br>DOOR LATCH<br>AND HINGE<br>ASSEMBLIES              | Service<br>Replace                      | *1                    | *1       |     |                          |                  |                          | В    |
|              | LOCK, DOOR<br>LATCH  | Replace                                 |                       | *1       |     |                          |                  |                          |      |
|              | LIGHT<br>ASSEMBLIES  | Replace                                 |                       | *1       |     |                          |                  |                          |      |
|              | BULB (LAMP)  | Replace                                 | *1                    |          |     |                          |                  |                          |      |
|              | SWITCH<br>ASSEMBLY,<br>LIGHT                                       | Replace                                 |                       | *1       |     |                          |                  |                          |      |

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#### MAINTENANCE ALLOCATION CHART, CONT.

| (1)<br>GROUP<br>NUMBER | (2)<br>COMPONENT/<br>ASSEMBLY                   | (3) MAINTENANCE FUNCTION |    |      |                   |                    |       | (5)<br>TOOLS AND         | (6)<br>REMARKS<br>CODE |
|------------------------|---|--------------------------|----|------|-------------------|--------------------|-------|--------------------------|------------------------|
| NOWIDER                | ASSEMBLI  | FUNCTION                 |    | FIEL | D                 | SUSTAINMENT        |       | -EQUIPMENT<br>-REFERENCE |                        |
|                        |   |                          |    |      | DIRECT<br>SUPPORT | GENERAL<br>SUPPORT | DEPOT | CODE                     |                        |
|                        |   |                          | C  | 0    | F                 | Н                  | D     |                          |                        |
|                        | COVER;<br>GASKET;<br>GUARD; LIGHT               | Replace                  |    | *1   |                   |                    |       |                          |                        |
|                        | RECEPTACLES,<br>POWER                           | Replace                  |    | *1   |                   |                    |       |                          |                        |
|                        | COVER;<br>GASKET;<br>GUARD; POWER<br>RECEPTACLE | Replace                  |    | *1   |                   |                    |       |                          |                        |
|                        | THERMOMETER                                     | Replace                  | *1 |      |                   |                    |       |                          |                        |
|                        | STRAINER<br>ASSEMBLY,<br>DRAIN                  | Service<br>Replace       | *1 | *1   |                   |                    |       |                          |                        |
|                        | Canopy: ramp                                    | Replace                  |    | *1   |                   |                    |       |                          |                        |

#### NOTE

Original MAC did not show times, only level of authorized repair. \*1 indicates level of repair only, not the time to repair. Existing times for data plate and refrigerator replace functions were determined by equipment specialist.

## Section III. TOOLS AND TEST EQUIPMENT

| (1) Tool or Test Equipment Reference Code | (2)<br>Maintenance<br>Level | (3)<br>Nomenclature                         | (4)<br>National<br>Stock Number | (5)<br>Tool<br>Number |
|---|-----------------------------|---|---------------------------------|-----------------------|
|   |                             | No special tools or test equipment required |                                 |                       |
|   |                             |   |                                 |                       |
|   |                             |   |                                 |                       |

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#### Section IV. REMARKS

| (1)<br>REMARKS<br>CODE | (2)<br>REMARKS   |
|------------------------|--|
| А                      | Service of floor rack assembly. Includes removing, scrubbing with a soap and water solution, rinse and replace |
| В                      | Service of door latch and hinge assemblies includes lubricating, polishing with suitable metal cleaner         |
|                        |  |

### APPENDIX D

### **REPAIR PARTS LIST**

#### Section I. INTRODUCTION

## D-1. Scope.

This index contains a list of repair parts and equipment required for the performance of organizational and direct support maintenance of the prefabricated refrigerator.

#### D-2. General.

This repair parts and special tools list is divided into three principal sections and a National stock number index.

- a. Section II: Prescribed Load Allowance List (PLA). A consolidated listing of repair parts quantitatively allocated for initial stockage at the organizational level. This is a mandatory minimum stockage allowance.
- b. Section III: Repair Parts List. A list of repair parts authorized for the performance of maintenance at organizational level.
- c. Section IV: Repair Parts List. A list of repair parts authorized for the performance of maintenance at the direct support level.
- d. Allowances are based on 5,000 hours operation per year.
- e. Part I applies to all models. Part II applies to type I models only. Part III applies to type H models only.

### D-3. Explanation of Columns.

The following provides an explanation of columns in the tabular lists.

- a. Source, Maintenance, and Recoverability Codes.
  - (1) Source code indicates the selection status and source for the listed item. Source Codes used are:

## Code Explanation

P Applied to repair parts which are stocked in or supplied from DSA/GSA or Army supply system, and authorized for use at indicated maintenance categories.

- M Applied to repair parts which are not procured or stocked but are to be manufactured at indicated maintenance categories.
- X2 Applied to repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
- c Applied to repair parts authorized for local procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of nonavailability from local procurement.
  - (2) Maintenance code indicates the lowest category of maintenance authorized to maintain the listed item. The maintenance level codes are:

#### Code Explanation

- o Organizational Maintenance
- F Direct Support Maintenance
  - (3) Recoverability code indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable.
- b. National stock number indicates the National stock number for the item.
- c. Description indicates the Federal item name and a brief description of the item. A five-digit manufacturer's or other service code, and part number is included in parentheses for reference. Repair parts quantities included in the kits, sets, and assemblies are shown in front of the repair part name.

- d. Unit of issue indicates the unit used as a basis of issue, e.g., ea, pr, ft, yd, etc.
- e. Quantity incorporated in unit pack indicates the actual quantity contained in the unit pack.
- f. Quantity incorporated in unit indicates the quantity of repair parts in an assembly. Where an asterisk appears, refer to Table 4—2 and figures 4–1 and 4—2 for quantities applicable to a particular model.
- g. Fifteen-Day organizational maintenance allowance.
  - (1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn is the quantity of items authorized for the number of equipments supported. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.
  - (2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period, for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.
  - (3) Subsequent changes to allowances will be limited as follows: No change in the range of items is authorized. If additional items are considered necessary, recommendation should be forwarded to US Army Troop Support and Aviation Materiel Readiness Command for exception or revision to the allowance list. The range of items authorized will be made by this Command based upon engineering experience, demand data, or TAERS information.
  - h. Thirty-Day DS Maintenance Allowance.
    - (1) The allowance columns are divided into three subcolumns. Indicated in each subcolumn is the total quantity of items authorized for the number of equipments supported. Items authorized for use as required but not for initial stockage are

- identified with an asterisk in the allowance column.
- (2) The quantitative allowances for DS level of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

#### i. Illustration.

- (1) Figure number indicates the figure number of the illustration by which the item is shown.
- (2) Item or symbol number indicates the callout number used to reference the item in the illustration.

## D-4. Special Information.

Quantity shown in quantity incorporated in unit reflects total for all units. Refer to figures 4—1 and 4–2 for quantity of specific unit.

### D-5. How to Locate Repair Parts.

- a. When National stock number is unknown.
  - (1) First. Using the index of contents, determine the functional group or subgroup, i.e., engine, engine assembly, transmission, transmission assembly, within which the repair part belongs. This is necessary because separate illustrations are prepared for functional groups or subgroups, and listings are divided into functional groups.
  - (2) Second. Find the repair part illustration in the back of the publication covering the functional group or subgroup to which the repair part belongs.
  - (3) *Third.* Identify the repair part on the illustration figure and item number of the repair part.
  - (4) Fourth. Using the repair parts listing, find the functional group or subgroup of the repair part and the illustration figure and item number as noted on the illustration.
- b. When National stock number or manufacturer's part number is known.
  - (1) First. Use the index to locate the National stock number or manufactur-

er's part number. This index is arranged in alphanumeric sequence cross-referenced to page number and manufacturer's code.

(2) Second. Refer to the appropriate page in the parts listing. Locate the functional group or subgroup of the repair part and the illustration figure and item number as indicated in the last two columns of the parts listing.

# D-6. Abbreviations

| dia | diameter        |
|-----|-----------------|
| ea  | each            |
| ft  | foot (feet)     |
| id  | inside diameter |
| in  | inch(es)        |
| lg  | long (length)   |
| No  | number(s)       |

| ne  | t |  |  |  |  |  | National Pipe | Thread |
|-----|---|--|--|--|--|--|---------------|--------|
| the | ) |  |  |  |  |  | thickness)    |        |
| V   |   |  |  |  |  |  | volt(s)       |        |
| W   |   |  |  |  |  |  | watt(s)       |        |
| W   |   |  |  |  |  |  | wide (width)  |        |

## **D-7. Federal Supply Codes**

| 53853 | Mid-South Industries, Inc. |
|-------|----------------------------|
| 87308 | Capital Bolt & Screw       |
| 16245 | Senco                      |
| 32761 | Kason                      |
| 74545 | Hubbel                     |
| 72764 | Southern Electric          |
| 87518 | Standard Keil              |
| 64467 | Wexler                     |
| 75915 | Southern Radio Supply      |
| 74951 | Jarrow                     |

## Section II. PRESCRIBED LOAD ALLOWANCE

| (1)<br>Federal  | eral ock Description                          |            | 15-Da       | (2)<br>y Org.<br>llowance |               |
|-----------------|---|------------|-------------|---------------------------|---------------|
| stock<br>number | Description                                   | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50              | (d)<br>51-100 |
| 1               | LIGHT, PILOT<br>(53853) 447-6063-001-534-MDSI | 22         | 55          | 110                       | 231           |
|                 | SWITCH<br>(74545) 1251                        | 2          | 3           | 7                         | 14            |
|                 | GASKET: vertical (53853) 5804                 | 4          | 6           | 12                        | 26            |
|                 | GASKET: vertical (53853) 5805                 | 8          | 20          | 40                        | 84            |
|                 | GASKET: bottom<br>(53853) 5806                | 8          | 20          | 40                        | 84            |
|                 | GASKET: top<br>(53853) 5803                   | 8          | 20          | 40                        | 84            |

TM 5-4110-204-13

| (1)         | (2)                                 |   | (3)                               |                       | (4)                | (5)                      | 15         | -Day O      | (6)<br>rganizati<br>nance als |               | 1           | (7)<br>Bus-<br>ation |
|-------------|-------------------------------------|---|-----------------------------------|-----------------------|--------------------|--------------------------|------------|-------------|-------------------------------|---------------|-------------|----------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code   | Description                       | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)                           | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No.   |
|             |                                     | Section 3 — Repair<br>Organizationa<br>Part I<br>Group 80 — Storag<br>Compo<br>8000 — Refrigerato | al Level<br>e Equipment<br>onents |                       |                    |                          |            |             | 2.50                          | 317100        |             | No.                  |
| X20         |                                     | Door, Walk-in   | 53853 90105                       |                       | ea.                | *                        | *          | *           | *                             | *             | D3          | 1                    |
| MO          |                                     | Gasket, Door, Fab   | From                              |                       | ft.                |                          |            |             |                               |               | D3          | 4                    |
| МО          |                                     | Rubber Sponge<br>(18'4" required for  | 74951 PHD-5<br>each gasket)       | 602N-1                |                    |                          | SEE        | GRF         | 950                           | 1             |             |                      |
| РО          |                                     | Hinge, Door   | 32761 1245                        |                       | ea.                | *                        | *          | *           | *                             | *             | D3          | 7                    |
| РО          |                                     | Latch Assembly  | 32761 K-56                        |                       | ea.                | *                        | *          | *           | *                             | *             | D3          | 2                    |
| PO          |                                     | Screw, Hinge, Mtg.  | 87308 C004                        |                       | ea.                | *                        | *          | *           | *                             | *             | D3          | 8                    |
| РО          |                                     | Screw, Latch, Mtg.  | 87308 C004                        |                       | ea.                | *                        | *          | *           | *                             | *             | D3          | 3                    |
| X20         |                                     | Panel A, Corner   | 53853 90113                       |                       | ea.                | *                        | *          | *           | *                             | *             | D1          | 9                    |
| РО          |                                     | Camlock   | 53853 90021                       |                       | ea.                | *                        | SEE        | GRF         | 950                           | 1             | D4          | 12                   |
| МО          |                                     | Gasket, Panel<br>Fab From   |                                   |                       | ft.                |                          |            |             |                               |               |             |                      |
| MO          |                                     | Rubber Sponge<br>(13' required for ea   | 74951 NX502<br>ch gasket)         | 2B-1                  |                    |                          | SEE        | GRF         | 950                           | 1             |             |                      |
| PO          |                                     | Screw, Camlock Mt   | g 87308 C003                      |                       | ea.                | *                        | *          | *           | *                             | *             | D4          | 13                   |
| X20         |                                     | Panel B, Wall   | 53853 90114                       |                       | ea.                | *                        | *          | *           | *                             | *             | D1          | 10                   |
| PO          |                                     | Camlock   | 53853 90021                       |                       | ea.                | *                        | SEE        | GRF         | 950                           | 1             | D4          | 12                   |
| МО          |                                     | Gasket Panel<br>Fab From  |                                   |                       | ft.                | *                        |            |             |                               |               | D4          | 6                    |
| МО          |                                     | Rubber Sponge<br>(13'2" required for  | 74951 NX502<br>each gasket)       | ?B-1                  |                    |                          | SEE        | GRF         | 950                           | 1             |             |                      |
| PO          |                                     | Screw, Camlock Mt   | g 87308 C003                      |                       | ea.                | *                        | *          | *           | *                             | *             | D4          | 13                   |
| X20         |                                     | Panel C, Door   | 53853 90106                       |                       | ea.                | *                        | *          | *           | *                             | *             | D1          | 8                    |
| X20         |                                     | Canopy, Door  | 53853 90024                       |                       | ea.                | *                        | *          | *           | *                             | *             | D1          | 6                    |
| PO          |                                     | Camlock   | 53853 90021                       |                       | ea.                | *                        | *          | *           |                               | *             | D4          | 12                   |

| (1)         | (2)                                  | (3)   | (4)                | (5)              |     |      | 6)<br>ganizati | onal         | 1 9          | 7)<br>lus-  |
|-------------|--------------------------------------|---|--------------------|------------------|-----|------|----------------|--------------|--------------|-------------|
| SMR<br>code | Federal 'National<br>stock<br>number | Description Usable- on Performment & miscords               | Unit<br>of<br>mean | Qty<br>inc<br>in | (a) | (b)  | "cc.           | (d)          | (a)<br>Fig.  | (b)<br>Item |
| МО          |                                      | Gasket, Panel Fab From                                      | ft.                | unit             | 1-5 | 6-20 | 21-50          | <u> </u> 100 | No.          | No.         |
| МО          |                                      | Rubber Sponge 32761 NX502B-1 (13" required for each gasket) |                    |                  | SE  | GF   | 95             | 1            |              |             |
| PO          | 935-01-438-9943                      | Cap, Receptacle 74545 4884                                  | ea.                | •                | •   | •    | ¥              | *            | D4           | 2 2         |
| PΟ          | 935-00-222-0072                      | Boot, Receptacle 74545 7440                                 | ea                 | 2                |     |      |                |              | D4           | 21          |
| PΟ          |                                      | Receptacle, Female 74545 7484<br>Plug                       | ea.                | *                | *   | •    | •              | ¥            | D4           | 21          |
| PO          |                                      | Receptacle, Male 74545 7486                                 | ea.                | 2                |     |      |                |              | D4           | 18          |
| PO          |                                      | Pilot Light 53853 477-6063-<br>Assembly MDSI                | ea.                | •                | *   | *    | •              | *            | D4           | 2 7         |
| PO          |                                      | Cover, Pilot Light 53853 25-1-SGS-                          | ea.                | •                | •   | •    | *              | •            | D4           | 2 7         |
| PO          |                                      | MDSI Vapor Proof Light 87518 VBB100PC Assembly              | ea.                | *                | *   | •    | •              | •            | D4           | 4           |
| PΟ          |                                      | Screw Camlock Mtg.87308 COO3                                | ea.                | •                | •   | •    | •              | *            | D 4          | 13          |
| PO          |                                      | Screw,Cover Mtg. 87308 COO6                                 | ea.                | #                | •   | •    | *              | *            | D 4          | 2 0         |
| PO          |                                      | Screw, Light Mtg. 87308 COO5                                | ea.                | •                | •   | ¥    | •              | •            | D 4          | 5           |
| PO          |                                      | Screw, Pilot Light 87308 COO6                               | ea.                | #                | •   | •    | •              | •            | <b>1</b> D 4 | 23          |
| PΟ          |                                      | Screw, Receptacle 87308 COO7                                | ea.                | •                | •   | *    | *              | *            | <b>I</b> D 4 | 19          |
| PΟ          |                                      | Screw, Strike Mtg. 87308 COO4                               | ea.                | •                | *   | •    | •              | •            | D 4          | 2 5         |
| PO          |                                      | Switch 74545 1251   | ea.                | •                | 2   | 3    | 7              | 14           | 134          | 16          |
| PO          |                                      | Switch Cover 74545 1750                                     | ea.                | 1                | •   | *    | •              | •            | D 4          | 16          |
| PO          |                                      | Screw, Switch Mtg. 87308 COO6                               | ea.                | *                | •   | •    | •              | E            | D 4          | 17          |
| PO          |                                      | Thermometer 64467 7269                                      | ea.                | ¥                | 161 | *    | •              | Ħ            | ID 4         | 14          |
| PO          |                                      | Screw, Thermom- 87308 COO5 eter Mtg.                        | ea.                | *                | •   | B    | •              | *            | D4           | 15          |
| x20         |                                      | Panel D,Evaporator 53853 90115                              | ea.                | •                | M   | *    | •              | ¥            | D1           | 1           |
| PO          |                                      | Hex Wrench 37761 1145                                       | ea.                | ji.              | ě   | *    | •              | •            | D1           | 19          |
| PO          |                                      | Camlock 53853 90021   | ea.                | IF.              | SEI | SR   | II we my       |              | D4           | 12          |
|             |                                      |   |                    |                  |     |      |                |              |              |             |

| (1)         | (2)                                 |   | (3)         |                        | (4)                | (5)                      |            | Day Or      |              |               | ID                 | 7)<br>us-          |
|-------------|-------------------------------------|---|-------------|------------------------|--------------------|--------------------------|------------|-------------|--------------|---------------|--------------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code   | Pescription | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50 | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| PO          |                                     | Clip, Panel Wrench  | 75915       |                        | ea.                | *                        | *          | *           | *            | *             | D1                 | 18                 |
| МО          |                                     | Gasket, Panel<br>Fab From   |             |                        |                    |                          |            |             |              |               | D4                 | 6                  |
| МО          |                                     | Rubber Sponge<br>(13' required for ea   |             | NX502B-1<br>et)        | ft.                |                          | SEE        | GRI         | 950          | 1             |                    |                    |
| РО          |                                     | Screw, Camlock<br>Mtg.  | 87308       | C003                   | ea.                | . *                      | *          | *           | *            | *             | D4                 | 13                 |
| РО          |                                     | Screw, Clip Mtg.  | 87308       | C005                   | ea.                | *                        | *          | *           | *            | *             | D1                 | 17                 |
| X20         |                                     | Thermal Strip:<br>Horizontal,<br>Masonite,<br>Fab From  | 53853       | 90110                  | ea.                | *                        |            |             |              |               |                    |                    |
| CO          |                                     | Building Board,<br>Hard Pressed,<br>Vegetable Fiber<br>(5½" x 38 9/16" re<br>each Thermal Strip |             | or                     |                    |                          |            |             |              |               |                    |                    |
| X20         |                                     | Thermal Strip:<br>Vertical, Masonite<br>Fab From  | 53853       | 90111                  | ea.                | *                        |            |             |              |               |                    |                    |
| СО          |                                     | Building Board,<br>Hard Pressed,<br>Vegetable Fiber<br>(5½" x 55½" requ<br>Thermal Strip)       | ired for    | each                   |                    |                          |            |             |              |               |                    |                    |
| X20         |                                     | Panel H-1:<br>Partition   | 53853       | 90133                  | ea.                | *                        | *          | *           | *            | *             | D1                 | 12                 |
| РО          |                                     | Bolt, Barrel  | 53853       | 4842                   | ea.                | *                        | *          | *           | *            | *             | D1                 | 15                 |
| РО          |                                     | Gasket, Bottom  | 53853       | 5806                   | ft.                | *                        | SE         | GR          | 99           | <b>p</b> 1    | D1                 | 11                 |
| МО          |                                     | Gasket, Top   | 53853       | 5803                   | ft.                | *                        | SE         | GRI         | 99           | 01            | D1                 | 4                  |
| MO          |                                     | Gasket, Vertical  | 53853       | 5805                   | ft.                | *                        | SEE        | GR          | 99           | <b>þ</b> 1    | D1                 | 5                  |
| РО          |                                     | Screw, Barrel<br>Bolt Mtg.  | 87308       | C001                   | ea.                | *                        | *          | *           | *            | *             | D1                 | 16                 |
| X20         |                                     | Panel H-2:<br>Partition   | 53853       | 90134                  | ea.                | *                        | *          | *           | *            | *             | D1                 | 14                 |
| РО          |                                     | Bolt, Barrel  | 53853       | 4842                   | ea.                | *                        | *          | *           | *            | *             | D1                 | 15                 |
| PO          |                                     | Gasket, Bottom  | 53853       | 5806                   | ft.                | *                        | SEE        | GR          | 99           | ф1            | D1                 | 11                 |

| (1)         | (2)                                 |  | (3)         |        |                      | (4)                | (5)                      | 15         | -Day Or     | 6)<br>ganizatio |               | IN                 | 7)<br>lus-<br>tion |
|-------------|-------------------------------------|--|-------------|--------|----------------------|--------------------|--------------------------|------------|-------------|-----------------|---------------|--------------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code                                      | Description |        | sable -<br>on<br>ode | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50    | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| МО          |                                     | Gasket, Top  | 53853       | 5803   |                      | ft.                | *                        | SEE        | GRI         | 99              | 01            | D1                 | 4                  |
| МО          |                                     | Gasket, Vertical   | 53853       | 5804   |                      | ft.                | *                        | SE         | GRI         | 900             | 01            | D1                 | 13                 |
| РО          |                                     | Screw, Barrel<br>Bolt Mtg.                                 | 87308       | C001   |                      | ea.                | *                        | *          | *           | *               | *             | D1                 | 16                 |
| X20         |                                     | Panel H-3:<br>Partition                                    | 53853       | 90135  |                      | ea.                | *                        | *          | *           | *               | *             | D1                 | 12                 |
| РО          |                                     | Bolt, Barrel   | 53853       | 4842   |                      | ea.                | *                        | *          | *           | *               | *             | D1                 | 15                 |
| РО          |                                     | Gasket, Bottom   | 53853       | 5806   |                      | ft.                | *                        | SE         | GR          | 990             | 1             | D1                 | 11                 |
| MO          |                                     | Gasket, Top  | 53853       | 5803   |                      | ft.                | *                        | SE         | GRI         | 990             | 1             | D1                 | 4                  |
| MO          |                                     | Gasket, Vertical   | 53853       | 5805   |                      | ft.                | *                        | SE         | GR          | 990             | 1             | D1                 | 5                  |
| РО          |                                     | Screw, Barrel<br>Bolt Mtg.                                 | 87308       | C001   |                      | ea.                | *                        | *          | *           | *               | *             | D1                 | 16                 |
| МО          |                                     | Gasket, Vertical   | 53853       | 5804   |                      | ft.                | *                        | SE         | GR          | 990             | )1            | D1                 | 13                 |
|             |                                     | Group 95 — Gener<br>Standardized Parts                     |             |        |                      |                    |                          |            |             |                 |               |                    |                    |
|             |                                     | 9501 BULK MATI   | ERIAL       |        |                      |                    |                          |            |             |                 |               |                    |                    |
| РО          |                                     | Rubber Sponge  | 74951       | NX502B | -1                   | ft.                |                          | *          | *           | *               | *             |                    |                    |
| РО          |                                     | Tape, P.S.   | 53853       | 6818   |                      | rl.                | 4                        |            |             |                 |               |                    |                    |
|             |                                     | Group 99 — Parts 9901 — Parts Pecu<br>than one application | liar with r | more   |                      |                    |                          |            |             |                 |               |                    |                    |
| МО          |                                     | Gasket, Vertical   | 53853       | 5805   |                      | ft.                |                          | 8          | 20          | 40              | 84            |                    |                    |
| РО          |                                     | Gasket, Bottom   | 53853       | 5806   |                      | ft.                |                          | 8          | 20          | 40              | 84            |                    |                    |
| МО          |                                     | Gasket, Top  | 53853       | 5803   |                      | ft.                |                          | 8          | 20          | 40              | 84            |                    |                    |
| PO          |                                     | Camlock  | 53853       | 90021  |                      | ea.                |                          | *          | *           | *               | *             |                    |                    |
|             |                                     |  |             |        |                      |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |  |             |        |                      |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |  |             |        |                      |                    |                          |            |             |                 |               |                    |                    |
| :           |                                     |  |             |        |                      |                    |                          |            |             |                 |               |                    |                    |

| (1)         | (2)                                 |                                      | (3)                |       |                        | (4)                | (5)                      | 15         | -Day Or     | (6)<br>rganizatio<br>nance alv |               | 11          | 7)<br>lus-<br>tion |
|-------------|-------------------------------------|--------------------------------------|--------------------|-------|------------------------|--------------------|--------------------------|------------|-------------|--------------------------------|---------------|-------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code                | Description        |       | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50                   | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item        |
|             |                                     | Section 3 — Repair<br>Organi         | Parts Lis          |       |                        | ea.                |                          |            |             |                                |               |             |                    |
|             |                                     | Part                                 | П                  |       |                        |                    |                          |            |             |                                |               |             |                    |
|             |                                     | Type I Assemblies                    |                    |       |                        | ea.                |                          |            |             |                                |               |             |                    |
|             |                                     | Group 80 — Storag                    |                    | nent  |                        | ea.                |                          |            |             |                                |               |             |                    |
|             |                                     | 8000 - Refrigerato                   | r Wareho           | ouse  |                        |                    |                          |            |             |                                |               |             |                    |
| X20         |                                     | Floor Racks,<br>Large                | 53853              | 90023 |                        | ea.                | *                        | *          | *           | *                              | *             | D7          | 2                  |
| X20         |                                     | Floor, Racks,<br>Small               | 53853              | 90022 |                        | ea.                | *                        | *          | *           | *                              | *             | D7          | 1                  |
| X20         |                                     | Panel, CL,<br>Left Ceiling           | 53853              | 90118 |                        | ea.                | *                        | *          | *           | *                              | *             | D1          | 2                  |
| X20         |                                     | Panel FL,<br>Left Floor              | 53853              | 90117 |                        | ea.                | *                        | *          | *           | *                              | *             | D1          | 2                  |
| PO          |                                     | Camlock                              | 53853              | 90021 |                        | ea.                | *                        | *          | *           | *                              | *             | D4          | 12                 |
| РО          |                                     | Drain, Inside                        | 53853              | 90131 | ;                      | ea.                | *                        | *          | *           | *                              | *             | D2          | 5                  |
| РО          |                                     | Drain, Outside                       | 53853              | 90130 |                        | ea.                | *                        | *          | *           | *                              | *             | D2          | 10                 |
| МО          |                                     | Gasket, Panel,<br>Fab From           |                    |       |                        |                    | *                        |            |             |                                |               | D4          | 6                  |
| МО          |                                     | Rubber, Sponge<br>50'8" required for | 74951<br>each gasl |       | B-1                    | ft.                | SE                       | E GR       | P 95        | D1                             |               |             |                    |
| РО          |                                     | Screw, Camlock<br>Mtg.               | 87308              | C003  |                        | ea.                | *                        | *          | *           | *                              | *             | D4          | 13                 |
| РО          |                                     | Screw, Drain Mtg.                    | 87308              | C005  |                        | ea.                | *                        | *          | *           | *                              | *             | D2          | 9                  |
| РО          |                                     | Screw, Strainer<br>Mtg.              | 87308              | C005  |                        | ea.                | *                        | *          | *           | *                              | *             | D2          | 4                  |
| РО          |                                     | Strainer, Inside                     | 53853              | 90132 |                        | ea.                | *                        | *          | *           | *                              | *             | D2          | 3                  |
| X20         |                                     | Panel, CR, Right<br>Ceiling          | 53853              | 90120 |                        | ea.                | *                        | *          | *           | *                              | *             | D1          | 2                  |
| X20         |                                     | Panel, FR, Right                     | 53853              | 90119 |                        | ea.                | *                        | *          | *           | *                              | *             | D1          | 2                  |

| (1)         | (2)                                 |                                       | (3)         |                           | (4)                | (5)                      |            | ()<br>Day Or;<br>Mainten |     |               | 11          | 7)<br>Jus-<br>ition |
|-------------|-------------------------------------|---------------------------------------|-------------|---------------------------|--------------------|--------------------------|------------|--------------------------|-----|---------------|-------------|---------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code                 | Description | Usable -<br>on<br>code    | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20              | (c) | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No.  |
| X20         |                                     | Panel, FC<br>Center Floor             | 53853       | 90122                     | ea.                | *                        | *          | *                        | *   | *             | D1          | 3                   |
| X20         |                                     | Panel, CC<br>Center Ceiling           | 53853       | 90121                     | ea.                | *                        | *          | *                        | *   | *             | D1          | 3                   |
| РО          |                                     | Camlock                               | 53853       | 90021                     | ea.                | *                        | SEE        | GRI                      | 990 | 1             | D4          | 12                  |
| МО          |                                     | Gasket, Panel<br>Fab From             |             |                           |                    |                          |            |                          |     |               | D4          | 6                   |
| МО          |                                     | Rubber, Sponge<br>50'8" required for  |             | NX502B-1<br>cet           | ft.                |                          | SEE        | GRI                      | 950 | 1             |             |                     |
| РО          |                                     | Screw, Camlock<br>Mtg.                | 87308       | C003                      | ea.                | *                        | *          | *                        | *   | *             | D4          | 13                  |
| X20         |                                     | Panel A, Corner                       | 53853       | 90113                     | ea.                |                          |            | i                        |     |               | D1          | 9                   |
| МО          |                                     | Gasket, Panel,<br>Fab From            |             |                           |                    |                          |            |                          |     |               | D4          | 6                   |
| МО          |                                     | Rubber, Sponge<br>13' required for ea |             | NX502B-1                  | ea.                |                          | SEE        | GR                       | 950 | 1             |             |                     |
| РО          |                                     | Camlock                               | 53853       | 90021                     | ea.                | *                        |            |                          |     |               | D4          | 12                  |
| X20         |                                     | Panel B, Wall                         | 53853       | 90114                     | ea.                | *                        |            |                          |     |               | D1          | 10                  |
| МО          |                                     | Gasket, Panel<br>Fab From             |             |                           |                    | Re                       |            |                          |     |               | D4          | 6                   |
| МО          |                                     | Rubber Sponge<br>13'2" required for   |             | NX502B-1<br>et            | ft.                |                          | SEE        | GR                       | 950 | 1             |             |                     |
| РО          |                                     | Camlock                               | 53853       | 90021                     | ea.                |                          | SEE        | GR                       | 990 | 1             | D4          | 12                  |
| X20         |                                     | Panel C, Door                         | 53853       | 90106                     | ea.                | *                        |            |                          |     |               | D1          | 8                   |
| МО          |                                     | Gasket, Panel<br>Fab From             |             |                           |                    | Ref                      | f          |                          |     |               | D4          | 6                   |
| МО          |                                     | Rubber Sponge<br>13' required for ea  |             | NX502B-1                  | ft.                |                          | SEE        | GR                       | 950 | 1             |             |                     |
| РО          |                                     | Camlock                               | 53853       | 90021                     | ea.                | *                        |            |                          |     |               | D4          | 12                  |
| РО          |                                     | Cover, Pilot Light                    | 53853       | 25-1-SGS-                 | ea.                |                          |            |                          |     |               | D4          | 24                  |
| PO          |                                     | Pilot Light                           | 53853       | MDSI<br>477-6063-<br>MDSI | ea.                |                          |            |                          |     |               | D4          | 27                  |

| (1)         | (2)                                 |  | (3)         |                       | (4)                | (5)                      |            | ((<br>Day Org<br>Mainten |              |               | n                  | 7)<br>lus-<br>tion |
|-------------|-------------------------------------|--|-------------|-----------------------|--------------------|--------------------------|------------|--------------------------|--------------|---------------|--------------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | E<br>Ref number & mfr code             | Description | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20              | (c)<br>21-50 | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| РО          |                                     | Receptacle, Power                      | 74545       | 7486                  | ea.                |                          |            |                          |              |               | D4                 |                    |
| РО          |                                     | Plug, Power                            | 74545       | 7484                  | ea.                |                          |            |                          |              |               | D4                 | 27                 |
| РО          |                                     | Boot, Receptacle                       | 74545       | 7440                  | ea.                |                          | i          |                          |              |               | D4                 |                    |
| РО          |                                     | Switch                                 | 74545       | 1251                  | ea.                |                          |            |                          |              |               | D4                 | 16                 |
| PO          |                                     | Light, Vapor Proof                     | 87518       | VBB100PC              | ea.                |                          |            |                          |              |               | D4                 | 4                  |
| X20         |                                     | Door, Walk-in                          | 53853       | 90105                 | ea.                |                          |            |                          |              |               | D3                 | 1                  |
| МО          |                                     | Gasket, Door<br>Fab From               | 74951       | PHD502N-1             | ft.                |                          |            |                          |              |               | D3                 | 4                  |
| МО          |                                     | Rubber Sponge<br>18'4" required for e  | each gas    | ket                   |                    |                          | SEE        | GRF                      | 950          | 1             |                    |                    |
| PO          |                                     | Latch Assembly                         | 32761       | K-56                  | ea.                |                          |            |                          |              |               | D3                 | 2                  |
| РО          |                                     | Hinge: RH                              | 32761       | 1245                  | ea.                |                          |            |                          |              |               | D3                 | 7                  |
| X20         |                                     | Canopy                                 | 53853       | 90024                 | ea.                |                          |            |                          |              |               | D6                 | 6                  |
| X20         |                                     | Panel D, Evaporator                    | r 53853     | 90115                 | ea.                |                          |            |                          |              |               | D1                 | 1                  |
| МО          |                                     | Gasket, Panel<br>Fab From              |             |                       |                    |                          |            |                          |              |               | D4                 | 6                  |
| МО          |                                     | Rubber Sponge<br>13" required for each |             | NX502B-1<br>t         | ft.                |                          | SEE        | GRF                      | 950          | 1             |                    |                    |
| PO          |                                     | Camlock                                | 53853       | 90021                 | ea.                |                          | SEE        | GRP                      | 990          | 1             | D4                 | 12                 |
| PO          |                                     | Clip, Wrench                           | 75915       | 105002                | ea.                |                          |            |                          |              |               | D1                 | 18                 |
| PO          |                                     | Wrench, Hexagon                        | 32761       | 1145                  | ea.                |                          |            |                          |              |               | D1                 | 19                 |
| X20         |                                     | Panel, FL, Left<br>Floor               | 53853       | 90117                 | ea.                | :                        |            |                          |              |               | D1                 | 2                  |
| X20         |                                     | Panel, FR, Right<br>Floor              | 53853       | 90119                 | ea.                |                          |            |                          |              |               | D1                 | 2                  |
| X20         |                                     | Panel, FC, Center<br>Floor             | 53853       | 90122                 | ea.                |                          |            |                          |              |               | D1                 | 3                  |
| МО          |                                     | Gasket, Panel                          |             |                       |                    |                          |            |                          |              |               | D4                 | 6                  |
| MO          |                                     | Rubber Sponge<br>50'8" required for e  |             | NX502B-1<br>ket       | ft.                |                          | SEE        | GRF                      | 950          | 1             |                    |                    |
|             |                                     |  |             |                       |                    |                          |            |                          |              |               |                    |                    |

| (1)         | (2)                                  |                                  | (3)                    |                        | (4)                | (5)                      |            | Day Or      | 6)<br>ganizatio |               | מו          | 7)<br>lus-<br>tion |
|-------------|--------------------------------------|----------------------------------|------------------------|------------------------|--------------------|--------------------------|------------|-------------|-----------------|---------------|-------------|--------------------|
| SMR<br>code | Federal 'National<br>stock<br>number | Ref number & mfr code            | Description            | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)             | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No. |
| РО          |                                      | Camlock                          | 53853 90               | 0021                   | ea.                |                          | SEE        | GRI         | 990             | )1            | D4          | 12                 |
| РО          |                                      | Drain, Inside                    | 53853 90               | 0131                   | ea.                |                          |            |             |                 |               | D2          | 5                  |
| РО          |                                      | Drain, Outside                   | 53853 90               | 0130                   | ea.                |                          |            |             |                 |               | D2          | 10                 |
| РО          |                                      | Strainer, Drain                  | 53853 90               | 0132                   | ea.                |                          |            |             |                 |               | D2          | 3                  |
| X20         |                                      | Panel, CL, Left<br>Ceiling       | 53853 90               | 0118                   | ea.                |                          |            |             |                 |               | D1          | 2                  |
| X20         |                                      | Panel, CR,<br>Right Ceiling      | 53853 90               | 0120                   | ea.                |                          |            |             |                 |               | D1          | 2                  |
| X20         |                                      | Panel, CC,<br>Center Ceiling     | 53853 90               | 0121                   | ea.                |                          |            |             |                 |               | D1          | 3                  |
| МО          |                                      | Gasket, Panel<br>Fab From        |                        |                        |                    |                          |            |             |                 |               | D4          | 6                  |
| MO          |                                      | Sponge Rubber 50'8" required for | 74951 N. each gasket   |                        | ft.                |                          | SEE        | GRI         | 950             | )1            |             |                    |
| РО          |                                      | Camlock                          | 53853 90               | 0021                   | ea.                |                          | SEE        | GR          | 990             | )1            | D4          | 12                 |
| X20         |                                      | Floor Rack,<br>Large             | 53853 90               | 0023                   | ea.                |                          |            |             |                 |               | D7          | 1                  |
| X20         |                                      | Floor Rack,<br>Small             | 53853 90               | 0022                   | ea.                |                          |            |             |                 |               | D7          | 2                  |
|             |                                      | Group 95 — Gener<br>Stand        | al Use<br>ardized Part | ts                     | ea.                |                          |            |             | ļ               |               |             |                    |
|             |                                      | 9501 — Bulk Mate                 | rial                   | ·                      | ea.                |                          |            |             |                 |               |             |                    |
| РО          |                                      | Rubber, Sponge                   | 74951 N                | X502B-1                | ft.                |                          | *          | *           | *               | *             |             |                    |
|             |                                      | Group 99 — Parts F               | Peculiar               |                        |                    |                          |            |             |                 |               |             |                    |
|             |                                      | 9901 — Parts Pecu<br>than one a  |                        | ore                    | ea.                |                          |            |             |                 |               |             |                    |
| РО          |                                      | Camlock                          | 53853 90               | 0021                   | ea.                |                          |            |             |                 |               |             |                    |
|             |                                      |                                  |                        |                        |                    |                          |            |             |                 |               |             |                    |
|             |                                      |                                  |                        |                        |                    |                          |            |             |                 |               | į           |                    |
|             |                                      |                                  |                        | j                      |                    |                          |            |             |                 |               |             |                    |
|             |                                      |                                  |                        |                        |                    |                          |            |             |                 |               |             |                    |
|             | ļ                                    | j                                |                        |                        |                    | - 1                      | i          | l           | l               | I             | ļ           |                    |

| (1)         | (2)                                 |                                     | (3)                                  |                       | (4)                | (5)                      |            | Day Or<br>Mainten |              |               | n           | 7)<br>Jus-<br>ition |
|-------------|-------------------------------------|-------------------------------------|--------------------------------------|-----------------------|--------------------|--------------------------|------------|-------------------|--------------|---------------|-------------|---------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code               | Description                          | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20       | (c)<br>21-50 | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No.  |
|             |                                     | Section 3 — Repai<br>Organ          | r Parts List for<br>nizational Level |                       | ea.                |                          |            |                   |              |               |             |                     |
|             |                                     | Part II                             | 1                                    |                       |                    |                          |            |                   |              |               |             |                     |
| !           |                                     | TYPE II - ASS                       | EMBLIES                              |                       |                    |                          |            |                   |              |               |             |                     |
|             |                                     | Group 80 — Stora                    | ge Equipment<br>ponents              |                       | ea.                |                          |            |                   |              |               |             |                     |
|             |                                     | 8000 - Refrigerat                   | or Warehouse                         |                       |                    |                          |            |                   |              |               |             |                     |
| X20         |                                     | Floor Rack,<br>Large                | 53853 9002                           | 3                     | ea.                |                          | *          | *                 | *            | *             | D7          | 2                   |
| X20         |                                     | Floor Rack,<br>Small                | 53853 9002                           | 2                     | ea.                |                          | *          | *                 | *            | *             | D7          | 1                   |
| X20         |                                     | Floor Panel, FL                     | 53853 9011                           | 7                     | ea.                |                          | *          | *                 | *            | *             | D1          | 2                   |
| МО          |                                     | Gasket, Fab From                    |                                      |                       |                    |                          |            |                   |              |               |             |                     |
| МО          |                                     | Rubber Sponge<br>50'8" required for | 74951 NX50<br>each gasket            | )2B-1                 | ft.                |                          | SEE        | GR                | 950          | )1            |             |                     |
| РО          |                                     | Camlock                             | 53853 9002                           | 1                     | ea.                |                          | SEE        | GRI               | 990          | 1             |             |                     |
| РО          |                                     | Drain, Inside                       | 53853 9013                           | i                     | ea.                |                          | *          | *                 | *            | *             |             |                     |
| PO          |                                     | Drain, Outside                      | 53853 90130                          | )                     | ea.                |                          | *          | *                 | *            | *             |             |                     |
| РО          |                                     | Drain, Strainer                     | 53853 9013                           | 2                     | ea.                |                          | *          | *                 | *            | *             |             |                     |
| X20         |                                     | Floor Panel, FR                     | 53853 90119                          | 9                     | ea.                |                          | *          | *                 | *            | *             | D1          | 2                   |
| X20         |                                     | Floor Panel, FC                     | 53853 90112                          | 2                     | ea.                |                          | *          | *                 | *            | *             | D1          | 3                   |
| MO          |                                     | Gasket, Fab From                    |                                      |                       |                    |                          |            |                   |              |               |             |                     |
| МО          |                                     | Rubber Sponge<br>50'8" required for | 74951 NX50 each gasket               | 2B-1                  | ft.                |                          | SEE        | GRI               | 950          | )1            |             |                     |
| PO          |                                     | Camlock                             | 53853 9002                           | l                     | ea.                |                          | SEE        | GR                | 990          | )1            |             |                     |
|             |                                     | Group 95 — Gener<br>Stand           | al Use<br>ardized Parts              |                       | ea.                |                          |            |                   |              |               |             |                     |
|             |                                     | 9501 — Bulk Mate                    | rial                                 |                       |                    |                          |            |                   |              |               |             |                     |
| РО          |                                     | Rubber Sponge                       | 74951 NX50                           | 2B-1                  | ft.                |                          | *          | *                 | *            | *             |             |                     |
|             |                                     |                                     |                                      |                       |                    |                          |            |                   |              |               |             |                     |
|             |                                     |                                     |                                      |                       |                    |                          |            |                   |              |               |             |                     |

| (1)         | (2)                                  |                               | (3)                         | - , , , , , , , , , , , , , , , , , , , | _                      | (4)                | (5)                      |            | -Day Or     | (6)<br>ganizatio |               | n           | 7)<br>lus-<br>tion |
|-------------|--------------------------------------|-------------------------------|-----------------------------|---|------------------------|--------------------|--------------------------|------------|-------------|------------------|---------------|-------------|--------------------|
| SMR<br>code | Federal 'National<br>stock<br>number | Ref number & mfr code         | Description                 |   | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)              | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No. |
|             |                                      | Group 99 — Parts              | Peculiar                    |   | -                      |                    |                          |            |             |                  |               |             |                    |
|             |                                      | 9901 — Parts Pecu<br>than one | uliar with n<br>application |   |                        | ea.                |                          |            |             |                  |               |             |                    |
| РО          |                                      | Camlock                       | 53853                       | 90021                                   |                        | ea.                |                          | *          | *           | *                | *             |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  | İ             |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               | ·           |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             | į                                    |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   | İ                      |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |
|             |                                      |                               |                             |   |                        |                    |                          |            |             |                  |               |             |                    |

TM 5-4110-204-13

| Federal/National<br>stock<br>number | [<br>Ref number & mfr code             | Description  |  |  | 13-14  | ا بم   | '   | Mainten             | ance anw        |                 | tr2                                 | tion                                |
|-------------------------------------|--|--|--|--|--|--|---|---------------------|-----------------|-----------------|-------------------------------------|-------------------------------------|
|                                     |  |  | Usat<br>on<br>cod  | ble-<br>n  | Unit<br>of<br>meas   | Qty<br>inc<br>in<br>unit   | (a)<br>1-5  | (b)<br>6-20         | (c)<br>21-50    | (d)<br>51-100   | (a)<br>Fig.<br>No.                  | (b)<br>Item<br>No.                  |
|                                     | Section 4 — Repair<br>Direct           | Parts List<br>Support  |  | (  | ea.  |  |   |                     |                 |                 |                                     |                                     |
|                                     | Part I                                 |  |  |  |  |  |   |                     |                 |                 |                                     |                                     |
|                                     |  |  |  | -  | ea.  |  |   |                     |                 |                 |                                     |                                     |
|                                     | Door, Walk-in                          | 53853  | 90105  |  | ea.  |  | *   | *                   | *               | *               | D3                                  | 1                                   |
|                                     | Gasket, Door<br>Fab From               |  |  |  |  |  |   |                     |                 |                 | D3                                  | 4                                   |
|                                     | Rubber Sponge<br>18'4" required for o  |  |  | -1   | ft.  |  | SEE   | GR                  | 950             | 1               |                                     |                                     |
|                                     | Hinge, Door                            | 32761  | 1245   | (  | ea.  |  | *   | *                   | *               | *               | D3                                  | 7                                   |
|                                     | Latch Assembly                         | 32761  | K-56   |  | ea.  |  | *   | *                   | *               | *               | D3                                  | 2                                   |
|                                     | Screw, Hinge Mtg.                      | 87308  | C004   |  | ea.  |  | *   | *                   | *               | *               | D3                                  | 8                                   |
|                                     | Screw, Latch Mtg.                      | 87308  | C004   |  | ea.  |  | *   | *                   | *               | *               | D3                                  | 3                                   |
|                                     | Panel A, Corner                        | 53853  | 90113  |  | ea.  |  | *   | *                   | *               | *               | D1                                  | 9                                   |
|                                     | Camlock                                | 53853  | 90021  |  | ea.  | j  | SEE   | GR                  | 990             | 1               | D4                                  | 12                                  |
|                                     | Gasket, Panel<br>Fab From              |  |  |  |  |  |   |                     |                 |                 | D4                                  | 6                                   |
|                                     | Rubber Sponge<br>13' required for each |  | NX502B-1   |  | ft.  |  | SEE   | GRF                 | 950             | 1               |                                     |                                     |
|                                     | Screw, Camlock<br>Mtg.                 | 87308  | C003   |  |  |  | *   | *                   | *               | *               | D4                                  | 13                                  |
|                                     | Panel B, Wall                          | 53853  | 90114  |  | ea.  |  | *   | *                   | *               | *               | D1                                  | 10                                  |
|                                     | Camlock                                | 53853  | 90021  |  | ea.  |  | SEE   | GRF                 | 990             | 1               | D4                                  | 12                                  |
|                                     | Gasket Panel,<br>Fab From              |  |  |  |  |  |   |                     |                 |                 | D4                                  | 6                                   |
|                                     | Rubber Sponge<br>13'2" required for    |  |  |  | ft.  |  | SEE   | GRE                 | 950             | 1               |                                     |                                     |
|                                     | Screw, Camlock<br>Mtg.                 | 87308  | C003   |  | ea.  |  | *   | *                   | *               | *               | D4                                  | 13                                  |
|                                     | Panel C, Door                          | 53853  | 90106  |  | ea.  |  | *   | *                   | *               | *               | D1                                  | 8                                   |
|                                     |  |  |  |  |  |  |   |                     |                 |                 |                                     |                                     |
|                                     |  | and Ad Door, Walk-in Gasket, Door Fab From Rubber Sponge 18'4" required for thinge, Door Latch Assembly Screw, Hinge Mtg. Screw, Latch Mtg. Panel A, Corner Camlock Gasket, Panel Fab From Rubber Sponge 13' required for eact Screw, Camlock Mtg. Panel B, Wall Camlock Gasket Panel, Fab From Rubber Sponge 13'2" required for Screw, Camlock Mtg. | Door, Walk-in 53853  Gasket, Door Fab From  Rubber Sponge 74951 18'4" required for each gask Hinge, Door 32761 Latch Assembly 32761 Screw, Hinge Mtg. 87308  Screw, Latch Mtg. 87308  Panel A, Corner 53853 Camlock 53853 Gasket, Panel Fab From  Rubber Sponge 74951 13' required for each gasket Screw, Camlock 87308 Mtg.  Panel B, Wall 53853 Camlock 53853 Gasket Panel, Fab From  Rubber Sponge 74951 13'2" required for each gask Screw, Camlock 87308 Mtg. | Gasket, Door Fab From  Rubber Sponge 74951 PHD502N 18'4" required for each gasket Hinge, Door 32761 1245 Latch Assembly 32761 K-56 Screw, Hinge Mtg. 87308 C004 Screw, Latch Mtg. 87308 C004 Panel A, Corner 53853 90113 Camlock 53853 90021 Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket Screw, Camlock 87308 C003 Mtg.  Panel B, Wall 53853 90114 Camlock 53853 90021 Gasket Panel, Fab From  Rubber Sponge 74951 NX502B-1 3'2" required for each gasket Screw, Camlock 87308 C003 Mtg. | and Accessory Items  Door, Walk-in 53853 90105  Gasket, Door Fab From  Rubber Sponge 74951 PHD502N-1 18'4" required for each gasket  Hinge, Door 32761 1245  Latch Assembly 32761 K-56  Screw, Hinge Mtg. 87308 C004  Screw, Latch Mtg. 87308 C004  Panel A, Corner 53853 90113  Camlock 53853 90021  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Screw, Camlock 87308 C003  Mtg.  Panel B, Wall 53853 90114  Camlock 53853 90021  Gasket Panel, Fab From  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  Mtg.  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  Mtg. | and Accessory Items  Door, Walk-in 53853 90105  Gasket, Door Fab From  Rubber Sponge 74951 PHD502N-1 18'4" required for each gasket  Hinge, Door 32761 1245  Latch Assembly 32761 K-56  Screw, Hinge Mtg. 87308 C004  Screw, Latch Mtg. 87308 C004  Panel A, Corner 53853 90113  Camlock 53853 90021  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Screw, Camlock 87308 C003 Mtg.  Panel B, Wall 53853 90114  camlock 53853 90021  ea.  Gasket Panel, Fab From  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  Mtg.  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  ea.  Gasket Panel, Fab From  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  ea. | and Accessory Items  Door, Walk-in 53853 90105  Gasket, Door Fab From  Rubber Sponge 74951 PHD502N-1 18'4" required for each gasket  Hinge, Door 32761 1245  Latch Assembly 32761 K-56  Screw, Hinge Mtg. 87308 C004  Panel A, Corner 53853 90113  Camlock 53853 90021  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Screw, Camlock 87308 C003  Mtg.  Panel B, Wall 53853 90114  ea.  Camlock 53853 90021  ea.  Gasket Panel, Fab From  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  Mtg.  Rubber Sponge 74951 NX502B-1 13'2" required for each gasket  Screw, Camlock 87308 C003  ea. | and Accessory Items | Accessory Items | Accessory Items | Door, Walk-in   53853   90105   ea. | Door, Walk-in   53853   90105   ea. |

| (1)         | (2)                                 |                                       | (3)        |                        | (4)                | (5)                      | 15         | -Day Or     | 6)<br>ganizatio |               | 11                 | 7)<br>lus-<br>tion |
|-------------|-------------------------------------|---------------------------------------|------------|------------------------|--------------------|--------------------------|------------|-------------|-----------------|---------------|--------------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | D<br>Ref number & mfr code            | escription | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50    | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| X20         |                                     | Canopy Door                           | 53853      | 90024                  | ea.                | *                        | *          | *           | *               | *             | D1                 | 6                  |
| PO          |                                     | Cap, Receptacle                       | 74545      | 4884                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 22                 |
| PO          |                                     | Boot, Receptacle                      | 74545      | 7440                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 21                 |
| PO          |                                     | Receptacle                            | 74545      | 7484                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 18                 |
| PO          |                                     | Camlock                               | 53853      | 90021                  | ea.                |                          | SEE        | GRI         | 990             | 1             | D4                 | 12                 |
| РО          |                                     | Pilot Light<br>Assembly               | 53853      | 477-6063-<br>MDSI      | ea.                | *                        | *          | *           | *               | *             | D4                 | 24                 |
| PO          |                                     | Cover, Pilot Light                    | 53853      | 25-1-SGS-<br>MDSI      | ea.                | *                        | *          | *           | *               | *             | D4                 | 24                 |
| PO          |                                     | Light Assembly                        | 87518      | VBB100PC               | ea.                | *                        | *          | *           | *               | *             | D4                 | 4                  |
| PO          |                                     | Switch                                | 74545      | 1251                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 16                 |
| PO          |                                     | Switch, Cover                         | 74545      | 1750                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 26                 |
| РО          |                                     | Thermometer                           | 64467      | 7269                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 14                 |
| РО          |                                     | Screw, Light Mtg.                     | 87308      | C005                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 5                  |
| PO          | ,                                   | Screw,Camlock Mtg                     | 87308      | C003                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 13                 |
| PO          |                                     | Screw, Pilot Light                    | 87308      | C006                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 23                 |
| РО          |                                     | Screw, Receptacle                     | 87308      | C007                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 19                 |
| PO          |                                     | Screw, Switch Mtg.                    | 87308      | C006                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 23                 |
| РО          |                                     | Screw, Thermom-<br>eter Mtg.          | 87308      | C005                   | ea.                | *                        | *          | *           | *               | *             | D4                 | 5                  |
| X20         |                                     | Panel D,<br>Evaporator                | 53853      | 90115                  | ea.                | *                        | *          | *           | *               | *             | D1                 | 1                  |
| PO          |                                     | Wrench, Hexagon                       | 32761      | 1145                   | ea.                | *                        | *          | *           | *               | *             | D1                 | 19                 |
| РО          |                                     | Camlock                               | 53853      | 90021                  | ea.                | *                        | *          | *           | *               | *             | D4                 | 12                 |
| PO          |                                     | Clip, Panel Wrench                    | 75915      | 105002                 | ea.                | *                        | *          | *           | *               | *             | D1                 | 18                 |
| МО          |                                     | Gasket, Panel<br>Fab From             |            |                        |                    |                          |            |             |                 |               | D4                 | 6                  |
| МО          |                                     | Rubber Sponge<br>13' required for eac |            | NX502B-1               | ft.                |                          | SE         | GR          | 990             | )1            |                    |                    |
| PO          |                                     | Screw, Camlock                        | 87308      | C003                   | ea.                |                          |            |             |                 |               | D4                 | 13                 |
|             |                                     |                                       |            |                        |                    |                          |            |             |                 |               |                    |                    |

|             | (2)                                 |   | (3)                |       |                       | (4)                | (5)                      |            | Day Or      | 6)<br>ganizatio<br>iance alv |               | п                  | 7)<br>lus-<br>tion |
|-------------|-------------------------------------|---|--------------------|-------|-----------------------|--------------------|--------------------------|------------|-------------|------------------------------|---------------|--------------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code   | <b>Description</b> |       | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50                 | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| РО          |                                     | Screw, Clip Mtg.  | 87308              | C005  |                       | ea.                |                          |            |             |                              |               | D4                 | 5                  |
| X20         |                                     | Thermal Strip<br>Horizontal<br>Masonite,<br>Fab From  | 53853              | 90110 |                       | ea.                |                          |            |             |                              |               |                    |                    |
| СО          |                                     | Building Board,<br>Hard Pressed,<br>Vegetable Fiber<br>5" x 38" required f<br>Thermal Strip | or each            |       |                       | ea.                |                          |            |             |                              |               |                    |                    |
| X20         |                                     | Thermal Strip,<br>Vertical<br>Masonite<br>Fab From  | 53853              | 90111 |                       | ea.                |                          |            |             |                              |               |                    |                    |
| СО          |                                     | Building Board<br>Hard Pressed,<br>Vegetable Fiber<br>5½" x 55½" require<br>Thermal Strip   | ed for ea          | nch   |                       | ea.                |                          |            |             |                              |               |                    |                    |
| X20         |                                     | Panel H-1<br>Partition  | 53853              | 90133 |                       | ea.                | *                        | *          | *           | *                            | *             | D1                 | 12                 |
| РО          |                                     | Bolt, Barrel  | 53853              | 4842  |                       | ea.                | *                        | *          | *           | *                            | *             | D1                 | 15                 |
| РО          |                                     | Gasket, Bottom  | 53853              | 5806  |                       | ft.                |                          | SEE        | GR          | 990                          | 1             | D1                 | 11                 |
| мо          |                                     | Gasket, Top   | 53853              | 5803  |                       | ft.                | *                        | *          | *           | *                            | *             | D1                 | 4                  |
| мо          | :                                   | Gasket, Vertical  | 53853              | 5805  |                       | ft.                | *                        | *          | *           | *                            | *             | D1                 | 5                  |
| РО          |                                     | Screw, Barrel<br>Bolt Mtg.  | 87308              | C001  |                       | ea.                | *                        | *          | #           | *                            | *             | D1                 | 16                 |
| X20         |                                     | Panel H-2 Partition   | 53853              | 90134 |                       | ea.                | *                        | *          | *           | *                            | *             | D1                 | 14                 |
| РО          |                                     | Bolt, Barrel  | 53853              | 4842  |                       | ea.                | *                        | *          | *           | *                            | *             | D1                 | 15                 |
| РО          |                                     | Gasket, Bottom  | 53853              | 5806  |                       | ft.                |                          | SEE        | GR          | 990                          | 1             | D1                 | 11                 |
| МО          |                                     | Gasket, Top   | 53853              | 5803  |                       | ft.                | *                        | *          | *           | *                            | *             | D1                 | 4                  |
| МО          |                                     | Gasket, Vertical  | 53853              | 5804  |                       | ft.                | *                        | *          | *           | *                            | *             | D1                 | 13                 |
| РО          |                                     | Screw, Barrel<br>Bolt Mtg.  | 87308              | C001  |                       | ea.                | *                        | *          | *           | *                            | *             | D1                 | 16                 |

| (1)         | (2)                                 |                                 | (3)                  |                       | (4)                | (5)                      |            | -Day Or<br>Mainten |     |               | n           | 7)<br>lus-<br>tion |
|-------------|-------------------------------------|---------------------------------|----------------------|-----------------------|--------------------|--------------------------|------------|--------------------|-----|---------------|-------------|--------------------|
| SMR<br>code | Federal National<br>stock<br>number | Ref number & mfr code           | Description          | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20        | (c) | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No. |
| X20         |                                     | Panel H-3<br>Partition          | 53853                | 90135                 | ea.                | *                        | *          | *                  | *   | *             | D1          | 12                 |
| РО          |                                     | Bolt, Barrel                    | 53853                | 4842                  | ea.                | *                        | *          | *                  | *   | *             | D1          | 15                 |
| РО          |                                     | Gasket, Bottom                  | 53853                | 5806                  | ft.                |                          | SEE        | GRF                | 990 | 1             | D1          | 11                 |
| МО          |                                     | Gasket, Top                     | 53853                | 5803                  | ft.                | *                        | *          | *                  | *   | *             | D1          | 4                  |
| МО          |                                     | Gasket, Vertical                | 53853                | 5805                  | ft.                | *                        | *          | *                  | *   | *             | D1          | 5                  |
| РО          |                                     | Screw, Barrel<br>Bolt Mtg.      | 87308                | C001                  | ea.                | *                        | *          | *                  | *   | *             | D1          | 16                 |
| МО          |                                     | Gasket, Vertical                | 53853                | 5804                  | ft.                |                          | SEE        | GR                 | 990 | 1             | D1          | 13                 |
|             |                                     | Group 95 — Gener<br>Stand       | ral Use<br>ardized P | arts                  | ea.                |                          |            |                    | I   |               |             |                    |
|             |                                     | 9501 — Bulk Mate                | rial                 |                       | ea.                |                          |            |                    |     |               |             |                    |
| РО          |                                     | Rubber Sponge                   | 74951                | NX502B-1              | ft.                |                          |            |                    | :   |               |             |                    |
| РО          |                                     | Tape, PS                        | 53853                | 6818                  | ea.                |                          |            |                    |     |               |             |                    |
|             |                                     | Group 99 – Parts                | Peculiar             | •                     |                    |                          |            |                    |     |               |             |                    |
|             |                                     | 9901 — Part Pecul<br>than one a |                      |                       | ea.                |                          |            |                    |     |               |             |                    |
| MO          |                                     | Gasket, Vertical                | 53853                | 5805                  | ft.                |                          | 40         | 40                 | 84  | 168           |             |                    |
| РО          |                                     | Gasket, Bottom                  | 53853                | 5806                  | ft.                |                          | 40         | 40                 | 84  | 168           |             |                    |
| МО          |                                     | Gasket, Top                     | 53853                | 5803                  | ft.                |                          | 40         | 40                 | 84  | 168           | İ           |                    |
| РО          |                                     | Camlock                         | 53853                | 90021                 | ea.                |                          | *          | *                  | *   | *             |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |
|             |                                     |                                 |                      |                       |                    |                          |            |                    |     |               |             |                    |

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| (1)         | (2)                                 |                                       | (3)                 |                 |                       | (4)                | (5)                      | 15         | (<br>-Day Or<br>Mainten |              |               | 111                | 7)<br>Jus-<br>tion |
|-------------|-------------------------------------|---------------------------------------|---------------------|-----------------|-----------------------|--------------------|--------------------------|------------|-------------------------|--------------|---------------|--------------------|--------------------|
| SMR<br>code | Federal/National<br>stock<br>number | [<br>Ref number & mfr code            | Description         |                 | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20             | (c)<br>21-50 | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
|             |                                     | Section 4 — Repair<br>Direct          | Parts Li<br>Support | st for<br>Level |                       | ea.                |                          |            |                         |              |               |                    |                    |
|             |                                     | Part (                                | H                   |                 |                       |                    |                          |            |                         |              |               |                    | }                  |
|             |                                     | TYPE I - ASSEM                        | MBLIES              |                 |                       |                    |                          |            |                         |              |               |                    |                    |
|             |                                     | Group 80 – Storage<br>Compo           |                     | ment            |                       | ea.                |                          |            |                         |              |               |                    |                    |
|             |                                     | 8000 — Refrigerato                    | r Wareh             | ouse            |                       | ea.                |                          |            |                         |              |               |                    |                    |
| X20         | i.<br>!                             | Floor, Racks, Large                   | 53853               | 90023           |                       | ea.                | *                        | *          | *                       | *            | *             | D7                 | 2                  |
| X20         |                                     | Floor, Racks, Small                   | 53853               | 90022           |                       | ea.                | *                        | *          | *                       | *            | *             | D7                 | 1                  |
| X20         |                                     | Panel, CL, Left<br>Ceiling            | 53853               | 90118           |                       | ea.                | *                        | *          | *                       | *            | *             | D1                 | 2                  |
| X20         |                                     | Panel, FL, Left<br>Floor              | 53853               | 90117           |                       | ea.                | *                        | *          | *                       | *            | *             | D1                 | 2                  |
| РО          |                                     | Camlock                               | 53853               | 90021           |                       | ea.                |                          | SEE        | GRI                     | 990          | 1             | D4                 | 12                 |
| РО          |                                     | Drain, Inside                         | 53853               | 90131           |                       | ea.                | *                        | *          | *                       | *            | *             | D2                 | 5                  |
| РО          |                                     | Drain, Outside                        | 53853               | 90130           |                       | ea.                | *                        | *          | *                       | *            | *             | D2                 | 10                 |
| РО          |                                     | Strainer, Inside<br>Drain             | 53853               | 90132           |                       | ea.                | *                        | *          | *                       | *            | *             | D2                 | 3                  |
| МО          |                                     | Gasket, Panel<br>Fab From             |                     |                 |                       |                    |                          |            |                         |              |               | D4                 | 6                  |
| МО          |                                     | Rubber Sponge<br>50'8" required for o |                     | NX502<br>ket    | B-1                   | ft.                |                          | SEE        | GRI                     | 950          | )1            |                    |                    |
| РО          |                                     | Screw, Camlock<br>Mtg.                | 87308               | C003            |                       | ea.                | *                        | *          | *                       | *            | *             | D4                 | 13                 |
| РО          |                                     | Screw, Drain Mtg.<br>Mtg.             | 87308               | C005            |                       | ea.                | *                        | *          | *                       | *            | *             | D2                 | 9                  |
| РО          |                                     | Screw, Strainer Mtg                   | . 87308             | C005            |                       | ea.                | *                        | *          | *                       | *            | *             | D2                 | 4                  |
| X20         |                                     | Panel, CR,<br>Right Ceiling           | 53853               | 90120           |                       | ea.                | *                        | *          | *                       | *            | *             | D1                 |                    |
| X20         |                                     | Panel, FR, Right<br>Floor             | 53853               | 90119           |                       | ea.                | *                        | *          | *                       | *            | *             | D1                 |                    |
|             |                                     | Floor                                 |                     |                 |                       |                    |                          |            |                         |              |               |                    |                    |

| (1)         | (2)                                  |                                       | (3)         |               |                        | (4)                | (5)                      | 15         | -Day Or     | 6)<br>ganizati<br>iance alv |               | li li              | 7)<br>Jus-<br>ition |
|-------------|--------------------------------------|---------------------------------------|-------------|---------------|------------------------|--------------------|--------------------------|------------|-------------|-----------------------------|---------------|--------------------|---------------------|
| SMR<br>code | Federal 'National<br>stock<br>number | [ Ref number & mfr code               | Description |               | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50                | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No.  |
| X20         |                                      | Panel, FC,<br>Center Floor            | 53853       | 90122         |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 3                   |
| X20         |                                      | Panel, CC,<br>Center Ceiling          | 53853       | 90121         |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 3                   |
| РО          |                                      | Camlock                               | 53853       | 90021         |                        | ea.                |                          | SEE        | GRI         | 990                         | 1             | D4                 | 12                  |
| МО          |                                      | Gasket, Panel<br>Fab From             |             |               |                        |                    |                          |            |             |                             |               |                    |                     |
| MO          |                                      | Rubber Sponge<br>40'8" required for e |             | NX502I<br>ket | B-1                    | ft.                |                          | SEE        | GRI         | 950                         | 1             |                    |                     |
| РО          |                                      | Screw, Camlock<br>Mtg.                | 87308       | C003          |                        | ea.                | *                        | *          | *           | *                           | *             | D4                 | 13                  |
| X20         |                                      | Panel H-1 Partition                   | 53853       | 90133         |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 12                  |
| X20         |                                      | Panel H-2 Partition                   | 53853       | 90134         |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 14                  |
| PO          |                                      | Bolt, Barrel                          | 53853       | 4842          |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 15                  |
| РО          |                                      | Gasket, Bottom                        | 53853       | 5806          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 11                  |
| MO          |                                      | Gasket, Top                           | 53853       | 5803          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 4                   |
| МО          |                                      | Gasket, Vertical                      | 53853       | 5805          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 5                   |
| PO          |                                      | Screw, Barrel<br>Bolt Mtg.            | 87308       | C001          |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 16                  |
| X20         |                                      | Panel H-3 Partition                   | 53853       | 90135         |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 12                  |
| PO          |                                      | Bolt, Barrel                          | 53853       | 4842          |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 15                  |
| PO          |                                      | Gasket, Bottom                        | 53853       | 5806          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 11                  |
| MO          |                                      | Gasket, Top                           | 53853       | 5803          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 4                   |
| MO          |                                      | Gasket, Vertical                      | 53853       | 5805          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 5                   |
| PO          |                                      | Screw, Barrel<br>Bolt Mtg.            | 87308       | C001          |                        | ea.                | *                        | *          | *           | *                           | *             | D1                 | 16                  |
| МО          |                                      | Gasket, Vertical                      | 53853       | 5804          |                        | ft.                | *                        | *          | *           | *                           | *             | D1                 | 13                  |
| X20         |                                      | Panel A, Corner                       | 53853       | 90113         |                        | ea.                |                          |            |             |                             | ļ             | D1                 | 9                   |
| МО          |                                      | Gasket, Panel<br>Fab From             |             |               | ļ                      |                    |                          |            |             |                             |               | D4                 | 6                   |
|             |                                      |                                       |             |               |                        |                    |                          |            |             |                             |               |                    |                     |

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| SMR<br>code | Federal/National<br>stock<br>number | [<br>Ref number & mfr code             | Description    | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50 | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| РО          |                                     | Rubber Sponge<br>13' required for eac  |                | NX502B-1              | ft.                |                          | SEE        | GRI         | 950          | 1             |                    |                    |
| РО          |                                     | Camlock                                | 53853          | 90021                 | ea.                |                          |            |             |              |               | D4                 | 12                 |
| X20         |                                     | Panel B, Wall                          | 53853          | 90114                 | ea.                |                          |            |             |              |               | D1                 | 10                 |
| МО          |                                     | Gasket, Panel<br>Fab From              |                |                       |                    |                          |            |             |              |               | D4                 | 6                  |
| МО          |                                     | Rubber Sponge<br>13'2" required for    |                | NX502B-1<br>ket       | ft.                |                          | SEE        | GRI         | 950          | )1            |                    |                    |
| PO          |                                     | Camlock                                | 53853          | 90021                 | ea.                |                          |            |             |              |               | D4                 | 12                 |
| X20         |                                     | Panel C, Door                          | 53853          | 90106                 | ea.                |                          |            |             |              |               | D1                 | 8                  |
| МО          |                                     | Gasket, Panel<br>Fab From              |                |                       |                    |                          |            |             |              |               | D4                 | 6                  |
| МО          |                                     | Rubber Sponge<br>13' required for each |                | NX502B-1              | ft.                |                          | SEE        | GR          | 950          | 1             |                    |                    |
| PO          |                                     | Camlock                                | 53853          | 90021                 | ea.                |                          |            |             |              |               | D4                 | 12                 |
| РО          |                                     | Cover, Pilot<br>Light                  | 53853          | 25-1-SGS-<br>MDSI     | ea.                |                          |            |             |              |               | D4                 | 24                 |
| PO          |                                     | Receptacle, Power                      | 74545          | 7486                  | ea.                |                          |            |             |              |               | D4                 |                    |
| PO          |                                     | Plug, Power                            | 745 <b>4</b> 5 | 7484                  | ea.                |                          |            |             |              |               | D4                 | 27                 |
| РО          |                                     | Boot, Receptacle                       | 74545          | 7440                  | ea.                |                          |            |             |              |               | D4                 |                    |
| PO          |                                     | Switch                                 | 74545          | 1251                  | ea.                |                          |            |             |              |               | D4                 | 16                 |
| РО          |                                     | Vapor Proof<br>Light                   | 87518          | VBB100PC              | ea.                |                          |            |             |              |               | D4                 | 4                  |
| X20         |                                     | Door, Walk-in                          | 53853          | 90105                 | ea.                |                          |            |             |              |               | D3                 | 1                  |
| МО          |                                     | Gasket, Door<br>Fab From               |                |                       |                    |                          |            |             |              |               | D3                 | 4                  |
| мо          |                                     | Rubber Sponge<br>18'4" required for e  |                | PHD502N-1<br>ket      | ft.                |                          | SEE        | GRF         | 950          | 1             |                    |                    |
| PO          |                                     | Latch Assembly                         | 32761          | K-56                  | ea.                |                          |            |             |              |               | D3                 | 2                  |
| РО          |                                     | Hinge                                  | 32761          | 1245                  | ea.                |                          |            |             |              |               | D3                 | 7                  |
| X20         |                                     | Canopy                                 | 53853          | 90024                 | ea.                |                          |            |             |              |               | D6                 | 6                  |

| (2)                                 |  | (3)  |   |   | (4)  | (5)   | 15  | -Day Or  | ganizatio  |   | l u                                   | 7)<br>Uus-   |
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| Federal/National<br>stock<br>number | Ref number & mfr code                  | Description  |   | on  | Unit<br>of<br>meas   | Qty<br>inc<br>in<br>unit  | (a)<br>1-5  | (b)<br>6-20  | (c)  | (d)   | (a)<br>Fig.                           | (b)<br>Item<br>No.   |
|                                     | Panel D, Evaporato                     | r 53853  | 90115   |   | ea.  |   |   |  |  |   | D1                                    | 1  |
|                                     | Gasket, Panel<br>Fab From              |  |   |   |  |   |   |  |  |   | D4                                    | 6  |
|                                     | Rubber Sponge<br>13' required for each |  |   | 1   | ft.  |   | SEE   | GRP  | 950  | 1   |                                       |  |
|                                     | Camlock                                | 53853  | 90021   |   | ea.  |   | SEE   | GRP  | 990  | 1   | D4                                    | 12   |
|                                     | Clip, Wrench                           | 75915  | 105002  |   | ea.  |   |   |  |  |   | D1                                    | 18   |
|                                     | Wrench, Hexagon                        | 32761  | 1145  |   | ea.  |   |   |  |  |   | D1                                    | 19   |
|                                     |  |  | arts  |   | ea.  |   |   |  |  |   |                                       |  |
|                                     | 9501 — Bulk Mater                      | ial  |   |   | ea.  |   |   |  |  |   |                                       |  |
|                                     | Rubber Sponge                          | 74951  | NX502B-   | 1   | ft.  | *   | *   | *  | *  | *   |                                       |  |
|                                     | Group 99 – Parts P                     | eculiar  |   |   | ea.  |   |   |  |  |   |                                       |  |
|                                     |  |  |   |   | ea.  |   |   |  |  |   |                                       |  |
|                                     | Camlock                                | 53853  | 90021   |   | ea.  | *   | *   | *  | *  | *   |                                       |  |
|                                     |  |  |   |   |  |   |   |  |  |   |                                       |  |
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|                                     | Federal /National<br>stock             | Federal 'National stock number & mfr code  Panel D, Evaporator Gasket, Panel Fab From  Rubber Sponge 13' required for each Camlock  Clip, Wrench  Wrench, Hexagon  Group 95 — General Standard  9501 — Bulk Mater  Rubber Sponge  Group 99 — Parts Panel Fab From  Group 99 — Parts Panel Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 95 — General Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 95 — General Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel D, Evaporator Fab From  Rubber Sponge  Rubber Sponge  Rubber Sponge  Rubber Sponge  Group 99 — Parts Panel Fab From  Panel Fab From  Rubber Sponge  Rub | Federal National stock number Ref number & mfr code  Panel D, Evaporator 53853 Gasket, Panel Fab From Rubber Sponge 74951 13' required for each gasker Camlock 53853 Clip, Wrench 75915 Wrench, Hexagon 32761 Group 95 — General Use Standardized Fab From 9501 — Bulk Material Rubber Sponge 74951 Group 99 — Parts Peculiar 9901 — Parts Peculiar with than one application | Federal National stock number & mfr code  Panel D, Evaporator 53853 90115  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-13' required for each gasket  Camlock 53853 90021  Clip, Wrench 75915 105002  Wrench, Hexagon 32761 1145  Group 95 — General Use Standardized Parts  9501 — Bulk Material  Rubber Sponge 74951 NX502B-Group 99 — Parts Peculiar  9901 — Parts Peculiar with more than one application | Federal National stock number & mer code  Panel D, Evaporator 53853 90115  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Camlock 53853 90021  Clip, Wrench 75915 105002  Wrench, Hexagon 32761 1145  Group 95 — General Use Standardized Parts  9501 — Bulk Material  Rubber Sponge 74951 NX502B-1  Group 99 — Parts Peculiar with more than one application  Camlock 53853 90021 | Federal National stock number  Panel D, Evaporator 53853 90115  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Camlock 53853 90021  Clip, Wrench 75915 105002  Wrench, Hexagon 32761 1145  Group 95 — General Use Standardized Parts  9501 — Bulk Material  Rubber Sponge 74951 NX502B-1 ft.  Group 99 — Parts Peculiar  9901 — Parts Peculiar with more than one application  Camlock 53853 90021  ea. | Federal National stock number & mfr code  Panel D, Evaporator 53853 90115  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 ft. 13' required for each gasket  Camlock 53853 90021 ea.  Clip, Wrench 75915 105002 ea.  Wrench, Hexagon 32761 1145 ea.  Group 95 — General Use Standardized Parts  9501 — Bulk Material ea.  Rubber Sponge 74951 NX502B-1 ft. *  Group 99 — Parts Peculiar ea.  9901 — Parts Peculiar with more than one application  Camlock 53853 90021 ea.  ** | Federal National stock number & mfr code  Panel D, Evaporator 53853 90115  Panel D, Evaporator 53853 90115  Panel D, Evaporator 53853 90115  Rubber Sponge 74951 NX502B-1 ft. SEE 13' required for each gasket  Camlock 53853 90021 ea.  Clip, Wrench 75915 105002 ea.  Wrench, Hexagon 32761 1145 ea.  Group 95 — General Use Standardized Parts  9501 — Bulk Material  Rubber Sponge 74951 NX502B-1 ft. * *  Group 99 — Parts Peculiar ea.  9901 — Parts Peculiar with more than one application  Camlock 53853 90021 ea.  * * | Federal National stock number & mfr code  Panel D, Evaporator 53853 90115  Panel Pab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Camlock 53853 90021  Clip, Wrench 75915 105002  Wrench, Hexagon 32761 1145  Group 95 — General Use Standardized Parts  9501 — Bulk Material  Rubber Sponge 74951 NX502B-1 ft. * * *  Group 99 — Parts Peculiar  9901 — Parts Peculiar with more than one application  Camlock 53853 90021  ea. * * * | Federal National stock number & meas frode  Panel D, Evaporator 53853 90115  Gasket, Panel Fab From  Rubber Sponge 74951 NX502B-1 13' required for each gasket  Camlock 53853 90021 ea.  Clip, Wrench 75915 105002 ea.  Wrench, Hexagon 32761 1145 ea.  Group 95 — General Use Standardized Parts  9501 — Bulk Material  Rubber Sponge 74951 NX502B-1 ft. * * * * * * * * * * * * * * * * * * * | Panel D, Evaporator 53853 90115   ea. | Panel D, Evaporator 53853 90115   Panel Path Panel Fab From   Panel D, Evaporator 53853 90115   Panel D, Evaporator 53853 90115   Panel Path Panel Fab From   Panel D, Evaporator 53853 90115   Panel Path Panel Fab From   Panel D, Evaporator 53853 90115   Panel Path Panel Fab From   Panel Path Panel Panel Path Panel Panel Path Panel Path Panel Path Panel Path Panel Path Panel Path P |

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| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code               | D <del>es</del> cription   | Usable-<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20         | (c)<br>21-50 | (d)<br>51-100 | (a)<br>Fig. | (b)<br>Item<br>No.  |
|             |                                     | Section 4 — Repair<br>for Di        | Parts List<br>rect Support | Level                 | ea.                |                          |            |                     |              |               |             |                     |
|             |                                     | Part I                              | П                          |                       |                    |                          |            |                     |              |               |             |                     |
|             |                                     | TYPE II - ASSI                      | EMBLIES                    |                       |                    |                          |            |                     |              |               |             |                     |
|             |                                     | Group 80 – Storag                   | je Equipment               | t                     | ea.                |                          |            |                     |              |               |             |                     |
|             |                                     | 8000 — Refrigerato                  | or Warehouse               | <b>!</b>              | ea.                |                          |            |                     |              |               |             |                     |
| X20         |                                     | Floor Rack, Large                   | 53853 900                  | 023                   | ea.                | *                        | *          | *                   | *            | *             | D7          | 2                   |
| X20         |                                     | Floor Rack, Small                   | 53853 900                  | 022                   | ea.                | *                        | *          | *                   | *            | *             | D7          | 1                   |
| X20         |                                     | Floor Panel, FL                     | 53853 901                  | 117                   | ea.                | *                        | *          | *                   | *            | *             | D1          | 2                   |
| МО          |                                     | Gasket, Panel<br>Fab From           |                            |                       |                    |                          |            |                     |              |               |             |                     |
| MO          |                                     | Rubber Sponge<br>50'8" required for | 74951 NX<br>each gasket    | 502B-1                | ft.                |                          | SEE        | GRI                 | 950          | )1            |             |                     |
| PO          |                                     | Camlock                             | 53853 900                  | 021                   | ea.                |                          | SE         | GRI                 | 990          | 1             |             |                     |
| РО          |                                     | Drain, Inside                       | 53853 901                  | 131                   | ea.                | *                        | *          | *                   | *            | *             |             |                     |
| РО          |                                     | Drain, Outside                      | 53853 901                  | 30                    | ea.                | *                        | *          | *                   | *            | *             |             |                     |
| PO          |                                     | Drain, Strainer                     | 53853 901                  | 32                    | ea.                | *                        | *          | *                   | *            | *             |             |                     |
| X20         |                                     | Floor Panel, FR                     | 53853 901                  | 19                    | ea.                | *                        | *          | *                   | *            | *             | D1          | 2                   |
| X20         |                                     | Floor Panel, FC                     | 53853 901                  | 22                    | ea.                | *                        | *          | *                   | *            | *             | D1          | 3                   |
| MO          |                                     | Gasket, Panel<br>Fab From           |                            |                       |                    |                          |            |                     |              |               |             |                     |
| MO          |                                     | Rubber Sponge<br>50'8" required for | 74951 NX<br>each gasket    | 502B-1                | ft.                |                          | SEE        | GR                  | 950          | )1            |             |                     |
| РО          |                                     | Camlock                             | 53853 900                  | )21                   | ea.                |                          | SE         | GR                  | 990          | )1            |             |                     |
|             |                                     | Group 95 — Genera<br>Standa         | al Use<br>ardized Parts    |                       | ea.                |                          |            |                     |              |               |             |                     |
|             |                                     | 9501 – Bulk Mater                   | ial                        |                       | ea.                |                          |            |                     |              |               |             |                     |
|             |                                     |                                     |                            |                       |                    |                          |            |                     |              |               |             |                     |
|             |                                     |                                     |                            |                       |                    |                          |            |                     | :            |               |             |                     |
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| SMR<br>code | Federal/National<br>stock<br>number | Ref number & mfr code           | Description            | Usable -<br>on<br>code | Unit<br>of<br>meas | Qty<br>inc<br>in<br>unit | (a)<br>1-5 | (b)<br>6-20 | (c)<br>21-50    | (d)<br>51-100 | (a)<br>Fig.<br>No. | (b)<br>Item<br>No. |
| РО          |                                     | Rubber Sponge                   | 74951                  | NX502B-1               | ft.                | *                        | *          | *           | *               | *             |                    |                    |
|             |                                     | Group 99 — Parts                | Peculiar               |                        | ea.                |                          |            |             |                 |               |                    |                    |
|             |                                     | 9901 — Parts Pecu<br>than one a | liar with mapplication |                        | ea.                |                          |            |             |                 |               |                    |                    |
| РО          |                                     | Camlock                         | 53853                  | 90021                  | ea.                | *                        | *          | *           | *               | *             |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    | :                        |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        | :                  |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        | į                  | ·                        |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
|             |                                     |                                 |                        |                        |                    |                          |            |             |                 |               |                    |                    |
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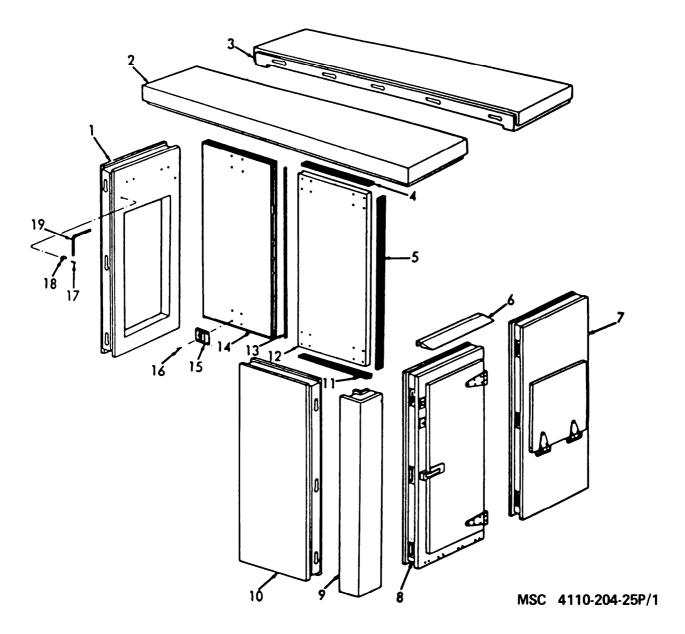


Figure 1. Compartment Panels INDEX TO PARTS, FIGURE 1

| REF<br>NO. | FUNCT<br>GROUP | ITEM<br>NAME                   | REF<br>NO.       | FUNCT<br>GROUP       | ITEM<br>NAME                  | REF<br>NO. | FUNCT<br>GROUP       | ITEM<br>NAME               |
|------------|----------------|--------------------------------|------------------|----------------------|-------------------------------|------------|----------------------|----------------------------|
| 1 2        | 8000<br>8000   | PANEL D<br>PANEL FL,<br>FR, CR | 8<br>CL, 9<br>10 | 8000<br>8000<br>8000 | PANEL C<br>PANEL A<br>PANEL B | 15         | 8000<br>8000<br>8000 | PANEL H-3<br>BOLT<br>SCREW |
| 3          | 8000           | PANEL FC, CC                   |                  | 8000                 | GASKET                        | 17         | 8000                 | SCREW                      |
| 4<br>5     | 8000<br>8000   | GASKET<br>GASKET               | 12<br>13         | 8000<br>8000         | PANEL H-1<br>GASKET           | 18<br>19   | 8000<br>8000         | CLIP<br>ALLEN WRENCH       |
| 6<br>7     | 8000<br>8000   | CANOPY<br>PANELG               |                  |                      |                               |            |                      |                            |

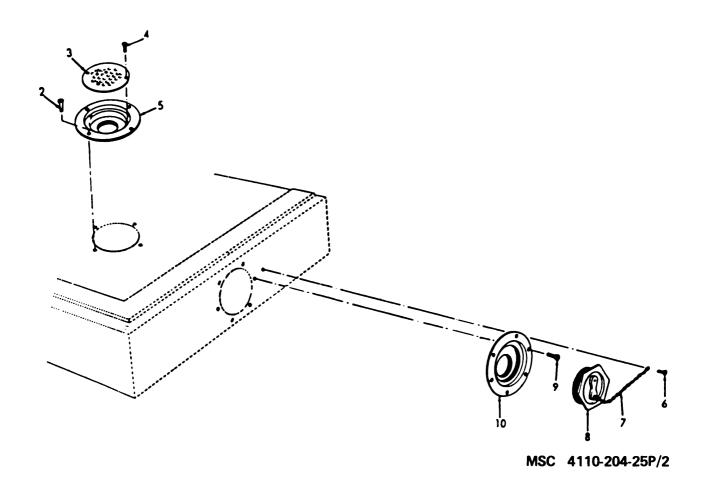


Figure 2. Floor Drain Components

INDEX TO PARTS, FIGURE 2

| REF<br>NO. | FUNCT<br>GROUP | ITEM<br>NAM E | REF<br>NO. | FUNCT<br>GROUP | ITEM<br>NAME  |
|------------|----------------|---------------|------------|----------------|---------------|
| 2          | 8000           | SCREW         | 7<br>8     | 8000<br>8000   | CHAIN<br>PLUG |
| 3          | 8000           | STRAINER      | 9          | 8000           | SCREW         |
| 4          | 8000           | SCREW         | 10         | 9000           | DRAIN         |
| 5          | 8000           | DRAIN         | 11         | 8000           | GASKET        |
| 6          | 8000           | SCREW         |            |                |               |

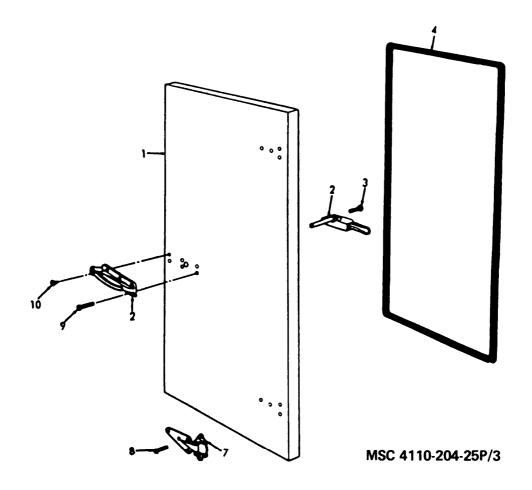


Figure 3. Walk-in Door, Latch, and Hinge

## INDEX TO PARTS, FIGURE 3

| REF | FUNCT | ITEM     | REF | FUNCT | ITEM  |
|-----|-------|----------|-----|-------|-------|
| NO. | GROUP | NAME     | NO. | GROUP | NAME  |
| 1   | 8000  | DOOR     |     |       |       |
| 1   |       |          |     |       |       |
| 2   | 8000  | LATCH AY | 7   | 8000  | HINGE |
| 3   | 8000  | SCREW    | 8   | 8000  | SCREW |
| 4   | 8000  | GASKET   | 9   | 8000  | SCREW |
|     |       |          | 10  | 8000  | SCREW |

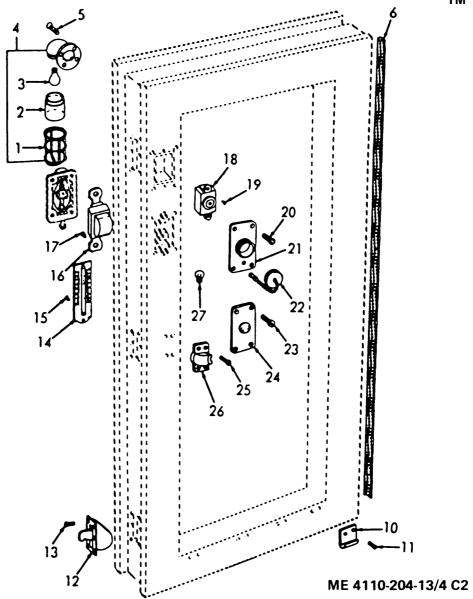


Figure 4. Panel C Components

## INDEX TO PARTS, FIGURE 4

| REF<br>NO.                 | FUNCT<br>GROUP                               | ITEM<br>NAME  | REF<br>NO.                        | FUNCT<br>GROUP                               | ITEM<br>NAME  | REF<br>NO.                             | FUNCT<br>GROUP                               | ITEM<br>NAM E   |
|----------------------------|--|---|-----------------------------------|--|---|--|--|---|
| 1<br>2<br>3<br>4<br>5<br>6 | 8000<br>8000<br>8000<br>8000<br>8000<br>8000 | GUARD<br>GLOBE<br>LAMP<br>LIGHT AY<br>SCREW<br>GASKET | 1 0<br>11<br>12<br>13<br>14<br>15 | 8000<br>8000<br>8000<br>8000<br>8000<br>8000 | SUPPORT<br>SCREW<br>CLAMP AY<br>SCREW<br>THERMOMETER<br>SCREW<br>SWITCH | 19<br>20<br>21<br>22<br>23<br>24<br>25 | 8000<br>8000<br>8000<br>8000<br>8000<br>8000 | SCREW<br>SCREW<br>COVER<br>CAP<br>SCREW<br>COVER<br>SCREW |
|                            |  |   | 17<br>18                          | 8000<br>8000                                 | SCREW<br>RECEPTACLE   | 26<br>27                               | 8000<br>8000                                 | STRIKE<br>LIGHT   |

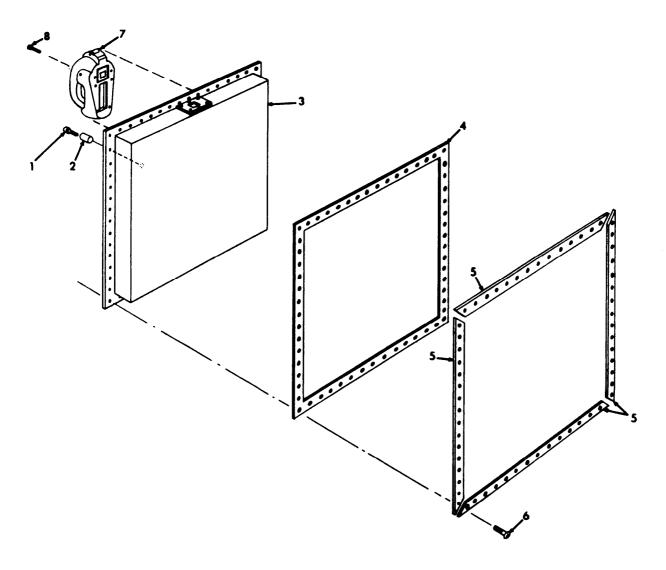


Figure 5. Conveyor Door.

## INDEX TO PARTS FIGURE 5

| REF | ITEM     |         |
|-----|----------|---------|
| NO. | NAME     |         |
| 4   | 0005111  |         |
| 1   | SCREW    |         |
| 2   | BUMPER   |         |
| 3   | DOOR     |         |
| 4   | GAS KET  |         |
| 5   | RETAINER |         |
| 6   | SCREW    |         |
| 7   | LATCH    | (1800J) |
| 8   | SCREW    | (1800J) |
|     |          |         |

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Change 10

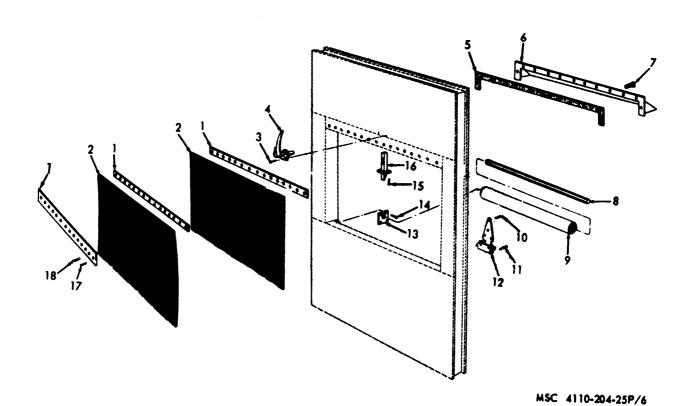


Figure 6. Panel G. INDEX TO PARTS, FIGURE 6

| REF. I                                    | FUNCT   | ITEM   | REF   | FUNCT   | ITEM  |
|---|---|--|---|---|---|
| NO.                                       | GROUP   | NAME   | NO.   | GROUP   | NAME  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | 8000<br>8000<br>8000<br>8000<br>8000<br>8000<br>8000<br>800 | STRIP CURTAIN SCREW HANDLE GASKET CANOPY SCREW BAR ROLLER AY | 10<br>11<br>12<br>13<br>14<br>15<br>16<br><b>17</b><br>18 | 8000<br>8000<br>8000<br>8000<br>8000<br>8000<br>8000<br>800 | SCREW<br>SCREW<br>HINGE<br>BRACKET<br>SCREW<br>SCREW<br>LATCH<br>SCREW<br>SCREW |

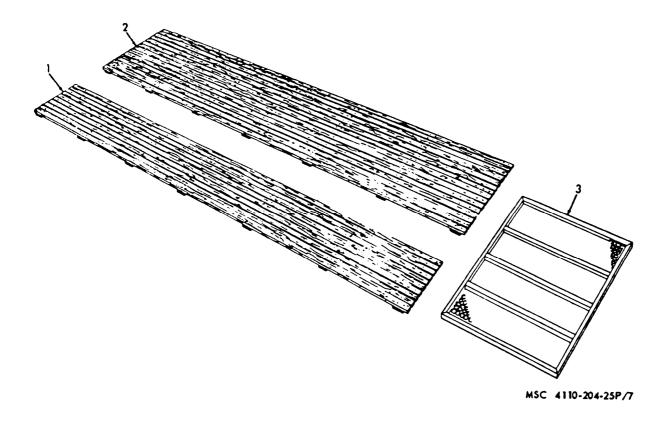


Figure 7. Floor Racks and Ramp.

INDEX TO PARTS, FIGURE 7

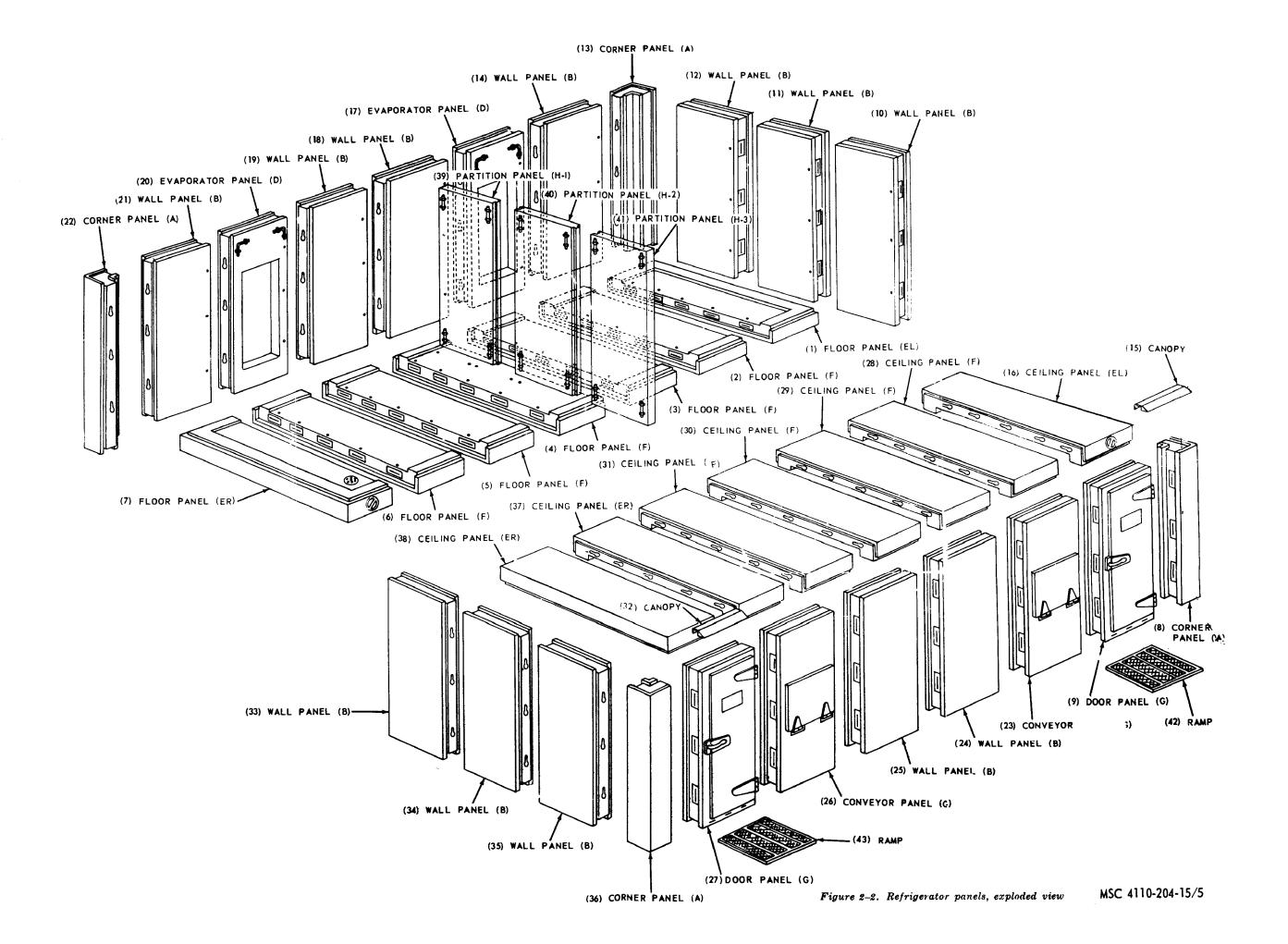
| REF<br>NO. | FUNCT<br>GROUP | ITEM<br>NAME |  |
|------------|----------------|--------------|--|
| 1          | 8000           | FLOOR RACK   |  |
| 2          | 8000           | FLOOR RACK   |  |
| 3          | 8000           | DAMD         |  |

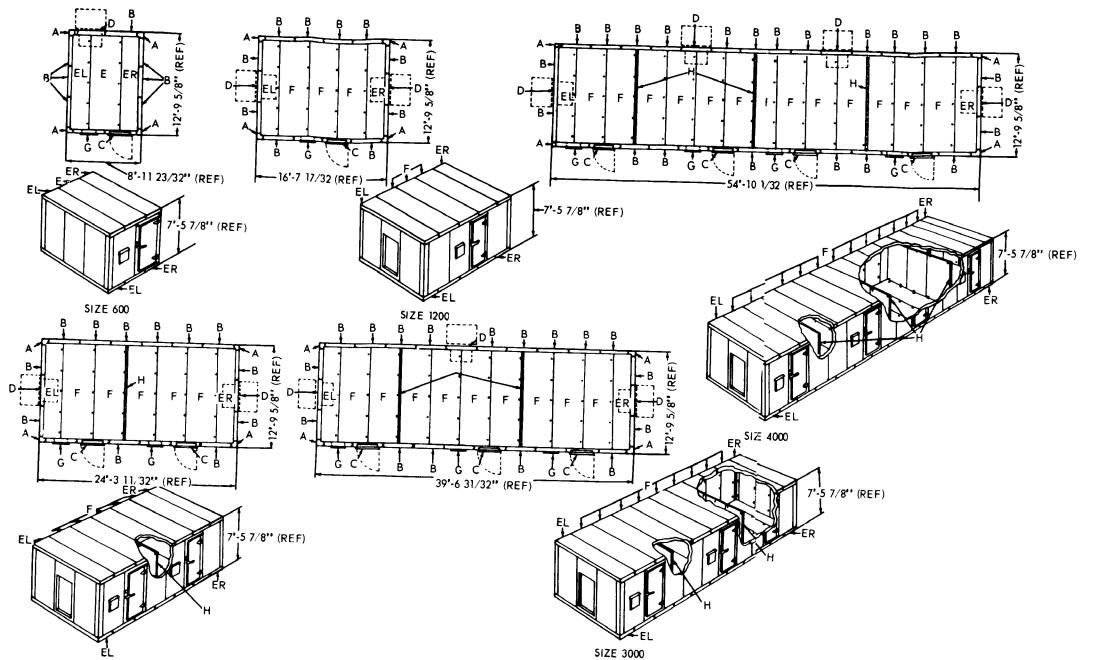
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| Operation under rainy or humid conditions                         | 2-12           | 2 - 6        |
| operation under usual conditions                                  | _2-11          | 2-6          |
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|  | Paragraph | Page  |
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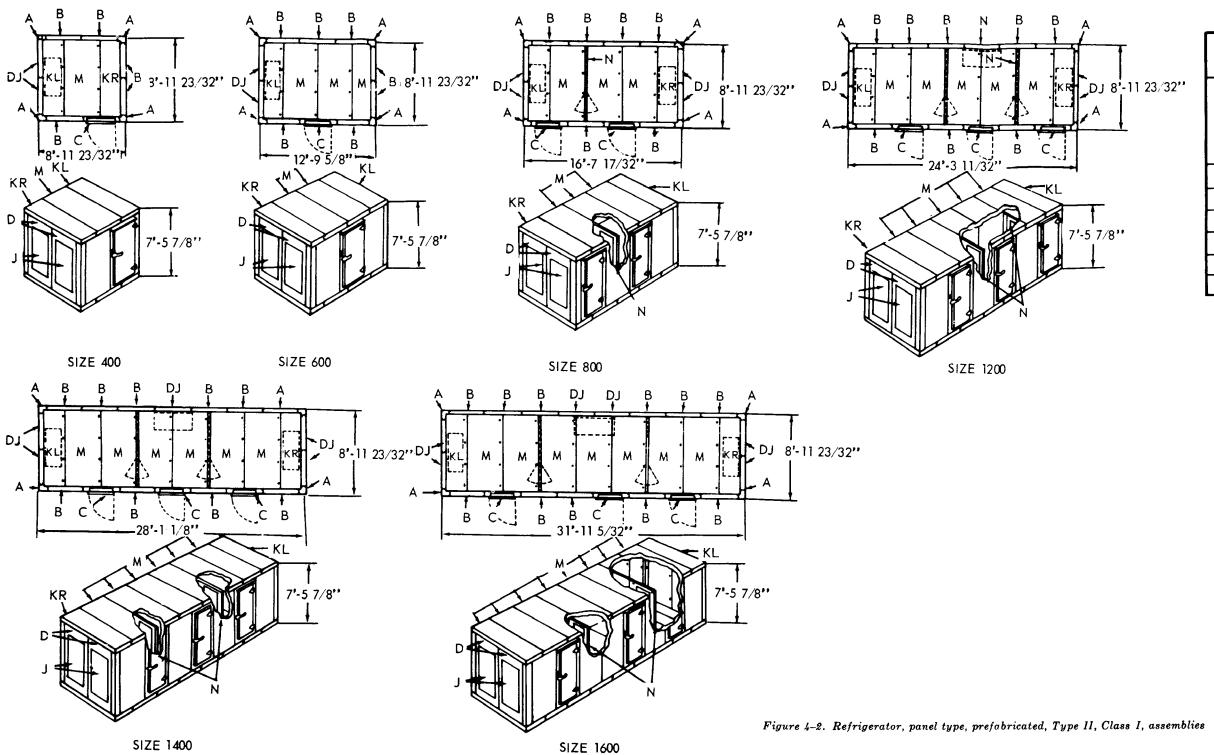
SIZE 1800

|             | · · · · · · · · · · · · · · · · · · ·                |          |         | PAN                    | EL S | CHE | DULE, | TYPE I |    |   |    |    |   |    |    |                |     |   |       |       |      |
|-------------|--|----------|---------|------------------------|------|-----|-------|--------|----|---|----|----|---|----|----|----------------|-----|---|-------|-------|------|
| IDENTIFYING | TING ACTUAL PANEL PANEL DESIGNATION AND NO. REQUIRED |          |         |                        |      |     |       |        |    |   |    |    |   |    |    |                |     |   |       |       |      |
| SIZE        |  |          | CU. FT. | FASTENERS<br>NO. REQ'D |      |     | A     | В      | С  | D | EL | ER | F | G* | HI | <del>[+2</del> | н-3 | J | TOTAL | FLOOR | RACK |
|             |  | NO. KEGO |         |                        |      |     |       |        |    |   |    | I  |   |    |    | LG             | SM  |   |       |       |      |
| 600         | 625  | 102      | 4       | 8                      | 1    | 1   | 2     | 2      | 2  | 1 | 0  | 0  | 0 | 1  | 20 | 2              | 4   |   |       |       |      |
| 1200        | 1220   | 150      | 4       | 11                     | 1    | 1   | 2     | 2      | 6  | 1 | 0  | 0  | 0 | 2  | 28 | 6              | 4   |   |       |       |      |
| 1800        | 1815   | 195      | 4       | 14                     | 2    | 2   | 2     | 2      | 10 | 2 | 1  | 1  | 1 | 2  | 39 | 10             | 4   |   |       |       |      |
| 4000        | 4194   | 390      | 4       | 22                     | 4    | 4   | 2     | 2      | 26 | 4 | 3  | 3  | 3 | 4  | 77 | 26             | 4   |   |       |       |      |
|             |  |          |         |                        |      |     |       | ļ      |    |   |    |    | 1 |    | ·  | 1              |     |   |       |       |      |

| PANEL DESIG. | NOMENCLATURE                   | DRG. NO.  |
|--------------|--------------------------------|-----------|
| A            | CORNER PANEL                   | 5-13-2653 |
| В            | STD. WALL PANEL                | 5-13-2654 |
| С            | WALK-IN DOOR PANEL             | 5-13-2655 |
|              | WALK-IN DOOR                   | 5-13-2656 |
| D            | EVAPORATOR PANEL               | 5-13-2658 |
| J            | EVAPORATOR PANEL PLUG          | 5-13-1144 |
| EL           | FLOOR OR CEILING PANEL         | 5-13-2658 |
| ER           | FLOOR OR CEILING PANEL         | 5-13-2659 |
| F            | FLOOR OR CEILING PANEL, CENTER | 5-13-2660 |
| G            | CONVEYOR DOOR PANEL            | 5-13-2670 |
| н            | PARTITION PANEL                | 5-13-2661 |

Figure 4-1. Refrigerator, panel type, prefabricated, Type I, Class I, assemblies

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|             | PANEL SCHEDULE, TYPE II |                    |   |   |    |     |     |       |      |      |      |             |     |     |
|-------------|-------------------------|--------------------|---|---|----|-----|-----|-------|------|------|------|-------------|-----|-----|
| IDENTIFYING | ACTUAL                  | PANEL<br>FASTENERS |   |   |    | PAN | IEL | DESIG | NATI | ON A | ND N | o. REQUIRED |     |     |
| SIZE        | CU. FT.                 | NO. REQ'D          | J | А | В  | C*  | D   | KL    | KR   | М    | G*   | TOTAL       | H-1 | H-3 |
| 400         | 405                     | 84                 | 2 | 4 | 5  | 1   | 2   | 2     | 2    | 2    | 1    | 21          | .0  | 0   |
| 600         | 605                     | 106                | 2 | 4 | 7  | ī   | 2   | 2     | 2    | 4    | 1    | 25          | 0   | 0   |
| 800         | 795                     | 128                | 4 | 4 | 7  | 1   | 4   | 2     | 2    | 6    | 1    | 31          | 1   | 1   |
| 1200        | 1175                    | 172                | 5 | 4 | 8  | 3   | 5   | 2     | 2    | 10   | 2    | 41          | 2   | 2   |
| 1400        | 1375                    | 194                | 5 | 4 | 10 | 3   | 5   | 2     | 2    | 12   | 3    | 47          | 2   | 2   |
| 160C        | 1565                    | 216*               | 6 | 4 | 11 | 3   | 6   | 2     | 2    | 14   | 3    | 51          | 2   | 2   |

<sup>\*</sup> WHEN DESIRED "G" OR "C" PANELS MAY BE OMITTED WITH "B" PANELS SUBSTITUTED

| PANEL DESIG. | NOMENCLATURE                   | DRG. NO.  |
|--------------|--------------------------------|-----------|
| Α            | CORNER PANEL                   | 5-13-1139 |
| В            | STD. WALL PANEL                | 5-13-1140 |
|              | WALK-IN DOOR PANEL             | 5-13-1141 |
| С            | WALK-IN DOOR                   | 5-13-1142 |
| , D, M       | UNIT COOLER PANEL              | 5-13-1877 |
| KL           | FLOOR OR CEILING PANEL         | 5-13-1333 |
| KR           | FLOOR OR CEILING PANEL         | 5-13-1394 |
| M            | FLOOR OR CEILING PANEL, CENTER | 5-13-1335 |
| N            | PARTITION                      | 5-13-1149 |

MEC 4110-204-13/4-2

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HAROLD K. JOHNSON, General, United States Army, Chief of Staff.

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KENNETH G. WICKHAM, Major General, United States Army, The Adjutant General.

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                                                    USA Tml Comd (2)
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                                                    Div Engr (2)
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                                                     USAREUR Engr Proc Cen (2)
   USAARMBD (2)
                                                     USAREUR Engr Sup Con Agey (10)
   USAIB (2)
   USAADBD (2)
                                                     Engr FLDMS (2)
                                                     Ft Knox FLDMS (10)
   USAAESWBD (2)
                                                     Fld Comd, DASA (8)
   USAAVNBD (2)
                                                     AMS (3)
   USCONARC (3)
   OS Maj Comd (5) except
                                                     USAREURCOMZ (2)
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   Br Svc Sch (2)
    USACDCEC (10)
                                                        5-279
   USMA (2)
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For explanation of abbreviations used, see AR 320-50.

NG: State AG (3).

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To: amssbriml@natick.army.mil

Subject: DA Form 2028

- 1. From: Joe Smith
- 2. Unit: home
- 3. Address: 4300 Park
- 4. City: Hometown
- 5. St: MO
- 6. Zip: 77777
- 7. Date Sent: 19-OCT-93
- 8. Pub no: 55-2840-229-23
- 9. Pub Title: TM
- 10. Publication Date: 04-JUL-85
- 11. Change Number: 7
- 12. Submitter Rank: MSG
- 13. Submitter FName: Joe
- 14. Submitter MName: T
- 15. Submitter LName: Smith
- 16. Submitter Phone: 123-123-1234
- 17. Problem: 1
- 18. Page: 2
- 19. Paragraph: 3
- 20. Line: 4
- 21. NSN: 5
- 22. Reference: 6
- 23. Figure: 7
- 24. Table: 8
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- 26. Total: 123
- 27. Text:

This is the text for the problem below line 27.

| R                     | RECOMMENDED CHANGES TO PUBLICATIONS AI<br>BLANK FORMS                         |                                    |               |               |                                    |                       | Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).  DATE 21 October 200 |  |   |                           |
|-----------------------|---|------------------------------------|---------------|---------------|------------------------------------|-----------------------|--|--|---|---------------------------|
| F                     | or use of this  | form, see Al                       | R 25-30; th   | e proponent   | agency is OI                       | DISC4.                | (5.5)  |  |   |                           |
| CC<br>U.S<br>AT<br>15 | orward to prop<br>DMMANDER<br>S. ARMY TA<br>TN: AMSTA<br>KANSAS ST            | ,<br>NK-AUTON<br>-LC-CECT<br>TREET |               | , (           | ,                                  | ИMAND                 | PF<br>CO   | C Jane Doo<br>A 3 <sup>rd</sup> Eng                        |   |                           |
|                       |   |                                    | P             | ART I – ALL   | PUBLICAT                           |                       | RPSTL AND S  | C/SM) AND BL   | ANK FORMS                                   |                           |
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| TM 10                 | -1670-296-  | 23&P                               |               |               |                                    | 30 Octobe             | r 2002   | Unit Manua<br>Drop Syste                                   |   | nent for Low Velocity Air |
| ITEM<br>NO.           | PAGE<br>NO.   | PARA-<br>GRAPH                     | LINE<br>NO. * | FIGURE<br>NO. | TABLE<br>NO.                       |                       |  | RECOMMENDE   | D CHANGES AND REASO<br>recommended changes, |                           |
|                       | TEM PAGE NO. PARA- LINE FIGURE NO. TABLE NO. 1 In tab sewing 22. Chang Zig-Z. |                                    |               |               | sewing 22.  Change Zig-Zag as a MG | the manual, 308 still | eg Machin<br>code symb<br>tal to show<br>tch; medin<br>de symbol.  | ne Code Symbols ol should be Ma w Sewing Mach um-duty; NSN | , the second<br>DZZ not MD                  |                           |
| TYPED                 | NAME, GRAI  | DE OR TITI I                       | <br>E         | *Re           |                                    |                       | nin the paragrap<br>E/AUTOVON, F   | h or subparagra<br>PLUS                                    | oph.<br>SIGNATURE                           |                           |
|                       | , OIM   | VIX III EI                         | _             |               | EXTENSION                          |                       | _,, , , , , , , , , , , , , , , , , , ,  |  | J. W. I. VILL                               |                           |
| Jane                  | Doe, PFC  |                                    |               |               | 508-233                            | 3-4141                |  |  | Jane Doe Jan                                | te Doe                    |

FROM: (Activity and location) (Include ZIP Code) DATE TO: (Forward direct to addressee listed in publication) COMMANDER PFC Jane Doe U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENT COMMAND 21 October 2003 CO A 3<sup>rd</sup> Engineer BR ATTN: AMSTA-LC-CECT Ft. Leonardwood, MO 63108 15 KANSAS STREET NATICK, MA 01760-5052 PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS **PUBLICATION NUMBER** DATE TITLE 30 October 2002 Unit Manual for Ancillary Equipment for Low TM 10-1670-296-23&P Velocity Air Drop Systems TOTAL NO. OF REFERENCE **PAGE** COLM LINE NATIONAL **FIGURE** ITEM **MAJOR ITEMS** STOCK NUMBER SUPPORTED NO. NO. RECOMMENDED ACTION NO. NO. NO. NO. 0066 00-1 Callout 16 in figure 4 is pointed 4 to a D-Ring. In the Repair Parts List key for figure 4, item 16 is called a Snap Hook. Please correct one or the other. PART III - REMARKS (Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)

TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION

TYPED NAME, GRADE OR TITLE

SIGNATURE

| R  | RECOMME                         |                       | HANGES<br>BLANK FO |                             | ICATIONS        | SAND                | Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM). |                   |  |                                  |  |
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| Comm<br>U.S. A<br>ATTN   | nander<br>Army Tank<br>: AMSTA- | -automotiv<br>LC-CECT |                    | form) (Include<br>mament Co |                 |                     | FROM: (Activ  | vity and location | ) (Include ZIP Code)   |                                  |  |
|  | ·                               | •                     |                    |                             | PUBLICAT        | IONS (EXCEPT        | RPSTL AND S   | SC/SM) AND BL     | ANK FORMS  |                                  |  |
|  | CATION/FOR<br>110-204-13        | RM NUMBER             |                    |                             |                 | DATE<br>14 Dec 1966 |   | Manual (inclu     | tor's, Organizational, and Di<br>ding Repair Parts and Speci<br>; Panel Type w/o Refrigerati | al Tools List) for Refrigerator, |  |
| ITEM   | PAGE                            | PARA-                 | LINE<br>NO. *      | FIGURE                      | TABLE           |                     | (Dravida  | RECOMMENDE        | D CHANGES AND REASON   | N<br>passible)                   |  |
| NO.  | NO.                             | GRAPH                 | NO.                | NO.                         | NO.             |                     | (PTOVIDE  | exact wording c   | f recommended changes, if  | pussione).                       |  |
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| Comma<br>U.S. Ar<br>ATTN:   | ander<br>my Tank<br>AMSTA-I | -automot<br>LC-CEC1 | ee listed in publication)<br>ive and Armament (<br>I<br>A 01760-5052. | Command                                | FROM: (A                             | ctivity and              | l location) (Include 2              | 7IP Code)  | DATE |  |
|---|-----------------------------|---------------------|---|--|--------------------------------------|--------------------------|-------------------------------------|--|------|--|
| PART II – REPAIR PARTS AND SPECIA PUBLICATION NUMBER TM 5-4110-204-13 |                             |                     |   |  |                                      | STS AND                  |                                     | DGS/SUPPLY MANUALS TITLE Operator's, Organizational, and Direct Support Maintenance Manual (including Repair Parts and Special Tools List) for Refrigerator, Prefabricated; Panel Type w/o Refrigerating Equipment |      |  |
| PAGE<br>NO.   | COLM<br>NO.                 | LINE<br>NO.         | NATIONAL STOCK<br>NUMBER  | REFERENCE<br>NO.                       | FIGURE ITEM OF MAJOR ITEMS SUPPORTED |                          |                                     | RECOMMENDED ACTION   |      |  |
|   |                             |                     |   |  |                                      |                          |                                     |  |      |  |
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|   | PART III -                  | REMARKS             | S (Any general rema<br>blank forms. Addit                             | rks or recommend<br>ional blank sheets | l<br>lations, or su<br>may be used   | ggestions<br>d if more s | for improvement of pace is needed.) | publications and   |      |  |
|   |                             |                     | DIGIN TOTTIS. FIGURE  | onar braink Sheets .                   | may be used                          | in more 3                | pace is necueu.                     |  |      |  |
| TYPED N   | IAME, GRA                   | ADE OR TI           | TLE   | TELEPHONE EX                           | (CHANGE/A                            | UTOVON                   | , PLUS EXTENSIO                     | N SIGNATURE  |      |  |

| R  | RECOMME                         |                       | HANGES<br>BLANK FO |                             | ICATIONS        | SAND                | Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM). |                   |  |                                  |  |
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| Comm<br>U.S. A<br>ATTN   | nander<br>Army Tank<br>: AMSTA- | -automotiv<br>LC-CECT |                    | form) (Include<br>mament Co |                 |                     | FROM: (Activ  | vity and location | ) (Include ZIP Code)   |                                  |  |
|  | ·                               | •                     |                    |                             | PUBLICAT        | IONS (EXCEPT        | RPSTL AND S   | SC/SM) AND BL     | ANK FORMS  |                                  |  |
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|   |                             |                     |   |  |                                      |                          |                                     |  |      |  |
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|   | PART III -                  | REMARKS             | S (Any general rema<br>blank forms. Addit                             | rks or recommend<br>ional blank sheets | l<br>lations, or su<br>may be used   | ggestions<br>d if more s | for improvement of pace is needed.) | publications and   |      |  |
|   |                             |                     | DIGIN TOTTIS. FIGURE  | onar braink Sheets .                   | may be used                          | in more 3                | pace is necueu.                     |  |      |  |
| TYPED N   | IAME, GRA                   | ADE OR TI           | TLE   | TELEPHONE EX                           | (CHANGE/A                            | UTOVON                   | , PLUS EXTENSIO                     | N SIGNATURE  |      |  |

# THE METRIC SYSTEM AND EQUIVALENTS

#### **'NEAR MEASURE**

Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches

1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches

1 Kilometer = 1000 Meters = 0.621 Miles

### **YEIGHTS**

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces

1 Kilogram = 1000 Grams = 2.2 lb.

1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

### LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces

1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

#### **SQUARE MEASURE**

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches

1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet

1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

### **CUBIC MEASURE**

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

#### **TEMPERATURE**

 $5/9(^{\circ}F - 32) = ^{\circ}C$ 

212° Fahrenheit is evuivalent to 100° Celsius

90° Fahrenheit is equivalent to 32.2° Celsius

32° Fahrenheit is equivalent to 0° Celsius

 $9/5C^{\circ} + 32 = {\circ}F$ 

### **APPROXIMATE CONVERSION FACTORS**

| TO CHANGE              | 10                   | MULTIPLY BY |
|------------------------|----------------------|-------------|
| Inches                 | Centimeters          | 2.540       |
| Feet                   | Meters               | 0.305       |
| Yards                  | Meters               |             |
| Miles                  | Kilometers           | 1.609       |
| Square Inches          | Square Centimeters   | 6.451       |
| Square Feet            | Square Meters        |             |
| Square Yards           | Square Meters        | 0.836       |
| Square Miles           | Square Kilometers    | 2.590       |
| Acres                  | Square Hectometers   |             |
| Cubic Feet             | Cubic Meters         | 0.028       |
| Cubic Yards            | Cubic Meters         |             |
| Fluid Ounces           | Milliliters          |             |
| nts                    | Liters               | 0.473       |
| arts                   | Liters               | 0.946       |
| allons                 | Liters               | 3.785       |
| Ounces                 | Grams                | 28.349      |
| Pounds                 | Kilograms            | 0.454       |
| Short Tons             | Metric Tons          |             |
| Pound-Feet             | Newton-Meters        | 1.356       |
| Pounds per Square Inch | Kilopascals          |             |
| Miles per Gallon       | Kilometers per Liter | 0.425       |
| Miles per Hour         | Kilometers per Hour  | 1.609       |
|                        |                      |             |

| TO CHANGE          | TO                     | MULTIPLY BY |
|--------------------|------------------------|-------------|
| Centimeters        | Inches                 | 0.394       |
| Meters             | Feet                   | 3.280       |
| Meters             | Yards                  | 1.094       |
| Kilometers         | Miles                  | 0.621       |
| Square Centimeters | Square Inches          | 0.155       |
| Square Meters      | Square Feet            |             |
| Square Meters      | Square Yards           | 1.196       |
| Square Kilometers  | Square Miles           | 0.386       |
| Square Hectometers | Acres                  |             |
| Cubic Meters       | Cubic Feet             |             |
| Cubic Meters       | Cubic Yards            |             |
| Milliliters        | Fluid Ounces           |             |
| Liters             | Pints                  | 2.113       |
| Liters             | Quarts                 | 1.057       |
| `ers               | Gallons                | 0.264       |
| .ms                | Ounces                 | 0.035       |
| .ograms            | Pounds                 | 2.205       |
| Metric Tons        | Short Tons             | 1.102       |
| Newton-Meters      | Pounds-Feet            | 0.738       |
| Kilopascals        | Pounds per Square Inch | 0.145       |
| ometers per Liter  | Miles per Gallon       | 2.354       |
| meters per Hour    | Miles per Hour         | 0.621       |



PIN: 025378 - 0000