
**FPU® SYSTEMS OPERATION MANUAL
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
SMALL CABINET MODULE (SCM)
BOH FPU Field Pack-up Units**



SMALL CABINET MODULE (SCM)

**BOH FPU® Systems
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WARNING SUMMARY

This warning summary contains general safety warnings and hazardous materials warnings that must be understood and applied during operation and maintenance of this equipment. Failure to observe these precautions could result in serious injury or death to persons using equipment.

WARNING



Do not allow the Small Cabinet Module (SCM) system to swing if using an overhead lift. Always ensure an appropriate sling and lifting points are used in lifting the SCM. Always use properly sized forklift, crane, or lifting device. Failure to comply could cause injury, death or damage to the equipment.

WARNING



Overhead power lines and obstructions can cause serious injury, death or damage to property. Forklift operators, truck drivers and ground guides should always clear overhead when loading or unloading the SCM Module.

WARNING



Use extreme caution when moving BOH SCM units into a transport vehicle or system. Make sure all SCM Module slam latches and 3g bars are properly seated, and secured before any movement of the SCM Module. Failure to comply could cause serious injury, death, or damage to the equipment.

WARNING



Standard forklift principles apply when moving a SCM Module. When working with ground guides during loading or unloading of a module, never move the SCM Module into a container while the ground guide is between the fork, SCM Module, and the container. Serious injury could occur if the ground guide is pinned between the forklift and the container. Forklift operators must maintain visual contact with their ground guides at all times.

WARNING



A tilt hazard exists when forklift operators try to lift the SCM module without the forklift tines fully inserted in the fork pockets provided in the base. A tilt situation exists when the heaviest part of the load is out on the tips of the tines or on uneven ground while traveling. Operators should always keep loads low and close to the forklift carriage. Operators should never travel when the load is in the fork's extended position.

WARNING



Two personnel are required when lifting empty cabinet or hull units. Always separate the drawers from the tray when assembling or disassembling the system. Two personnel are required when lifting drawers into and out of the trays. Make sure all latches are properly seated and 3G bars are in place. Failure to follow securing procedures may result in damage to the equipment and/or stored material and injury to personnel.

WARNING SUMMARY

This warning summary contains general safety warnings and hazardous materials warnings that must be understood and applied during operation and maintenance of this equipment. Failure to observe these precautions could result in serious injury or death to persons using equipment.

WARNING



The module drawers, cabinets and their contents are heavy and could cause injury if they fall onto or strike personnel. A tilt hazard exists when more than one module drawer is extended. As a rule, always work on one drawer at a time. Never have more than one drawer extended in the full open position at a time, especially if loaded with material. When stacked, always load material into the bottom drawers first to prevent tipping. Personnel should never stand on a drawer. Failure to comply could cause injury, death or damage to the equipment.

WARNING



Always inspect the working areas, insure that the front, rear and sides are free of oils, lubricants, and other potentially slippery substances. The module drawers may be used to store various forms of lubricants, and other potentially slippery substances. Keeping the drawers and the work area around the module clean is important to prevent slippery surfaces.

WARNING



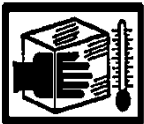
The module drawers and cabinets can be heavy and awkward to handle by a single person. This is especially true of the larger components. The movement of these items is a two-person operation for drawers with stored material or empty drawers. Assistance is required from two or more personnel to separate and remove drawers from the tray of each cabinet assembly. DO NOT remove or lift drawers/cabinet without assistance; injury to personnel will result. A forklift and MHE support is required to load and unload the SCM to and from transport vehicles.

WARNING



Protective gloves should be worn when handling metal parts in high temperatures. Failure to wear gloves may result in burning or blistering of the skin upon contact.

WARNING



Protective gloves should be worn when handling metal parts in below freezing temperatures. Failure to wear gloves may result in skin freezing to the metal upon contact and cause tearing of the flesh when attempting to pull away from the metal.

GENERAL WARNINGS



HEAVY PARTS - heavy object on human figure shows that heavy parts present a danger to life or limb.



HEAVY PARTS - heavy object pinning human figure against wall shows that heavy, moving parts present a danger to life or limb.



HEAVY PARTS - hand with heavy object on top shows that heavy parts can crush and harm.



HEAVY PARTS - foot with heavy object on top shows that heavy parts can crush and harm.



SLICK FLOOR - wavy line on floor with legs prone shows that slick floor presents a danger for slipping or falling.



HEAVY OBJECT - human figure stooping over heavy object shows physical injury potential from improper lifting technique.



CRYOGENIC - hand in block of ice shows that the material is extremely cold and can injure human skin or tissue.



HOT METAL SURFACES- Metal surfaces may become hot in extreme heat areas; prolonged contact may cause burning or blistering of the skin.



ELETRICAL POWER SOURCE- Electrical power source accidentally contacting equipment and/or personnel may cause injury or death.

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REPORTING ERRORS & IMPROVEMENTS

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. Please let us know if you find any mistakes or if you know of a way to improve the procedures. You may send in your recommended changes by E-mail directly to: dcresap@bohfpusystems.com. A reply will be furnished directly to you.

Approved for public release; distribution is unlimited.

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Group Numbers

- 00 SCM Module System
- 01 SCM 55" Modules # 1 through #17
- 02 SCM 30" and 18" Cabinets
- 03 SCM 36" Modules
- 04 SCM Hull Assemblies
- 05 SCM Hull Accessories
- 06 Drawers Assemblies
- 07 Drawer Dividers
- 08 Cabinet Base

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REAR MATTER

BOH Small Cabinet Module (SCM) Warranty
Metric Conversion Chart

HOW TO USE THIS MANUAL

This manual contains general information, operating instructions, Preventative Maintenance Checks and Services (PMCS), and maintenance/repair instructions for the Small Cabinet Module (SCM) Units.

Front matter consists of front cover, warning summary, title block, table of contents, "how to use this manual" pages, and provides information on the Small Cabinet Module (SCM) and its associated equipment. Chapter 1 provides equipment description and data as well as the theory of operation. Chapter 2 provides instructions for operating under usual and unusual conditions. Chapter 3 contains troubleshooting procedures authorized at the Operator and Unit level. Chapter 4 contains Preventative Maintenance Checks and Services (PMCS) and Operator Maintenance Instructions. Chapter 5 contains Unit Maintenance Instructions. Chapter 6 contains the Maintenance Allocation Chart (MAC); it also includes the Repair Parts & Special Tools List (RPSTL) that identifies parts or tools unique to the operation and maintenance of the Small Cabinet Module (SCM).

Manual Organization and Page Numbering

This manual is divided into six major chapters that detail the topics mentioned above. Within each chapter are work packages covering a wide range of topics. Each work package is numbered sequentially at page 1, and has its own page numbering scheme that is independent of the page numbering used by other work packages. Each page of a work package has a page number of the form "XXXX YY-ZZ", where "XXXX YY" is the work package number (e.g. 0010 00 is work package 10) and "ZZ" represents the number of the page within that work package. Blank pages will be labeled "This page was intentionally left blank".

Finding Information

The Table of Contents permits the reader to quickly find information in the manual. The reader should start here first when looking for a specific topic. The Table of Contents lists the topics contained within each chapter and the work package sequence number where it can be found.

Types of notations

Warnings - Warnings are posted immediately prior to text covering any area that would present a situation that may result in injury or death. Compliance is mandatory.

Cautions - Cautions will be found on the same page and preceding the text covering any area that would present a situation that may result in damage to equipment.

Notes - Notes will precede text covering an area with the intent to alter normal procedures for unique situations or equipment, or point out areas of special concern.

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**FPU® SYSTEMS OPERATION MANUAL
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BOH FPU Field Pack-up Units**

CHAPTER 1

**INTRODUCTORY INFORMATION
WITH
THEORY OF OPERATION**

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INTRODUCTORY INFORMATION WITH THEORY OF OPERATION**FPU® SYSTEMS OPERATION MANUAL
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
SMALL CABINET MODULE (SCM)
(BOH FPU Field Pack-up Units)****GENERAL INFORMATION**

SCOPE**Equipment Covered**

This technical manual contains instructions for the operation, preventative maintenance, and recommended Unit/Direct Support corrective maintenance for the BOH Small Cabinet Module (SCM) system and the associated equipment.

Type of Manual

This is an Operator, Unit and Direct Support, Operation and Maintenance Manual.

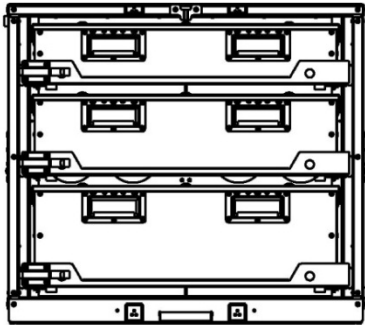
SMALL CABINET MODULE (SCM) Description

The SCM Module is designed to stand alone with a pallet-like cabinet base for MHE movement. The SCM is available in seventeen 55" high module configurations, which include an 18" and 30" cabinet, two dust covers and 3G security bars, a detachable cabinet base, sliding drawer trays and removable drawers of various sizes with divider sets. The SCM is also available in seven 36" high module configurations.

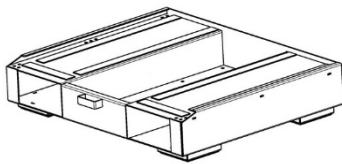


Small Cabinet Module (SCM) 36" Cabinet Configurations

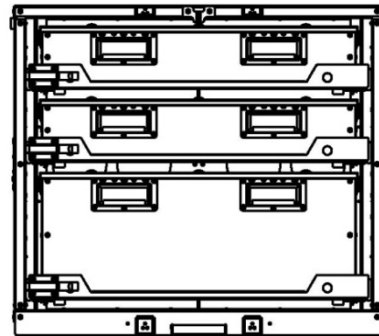
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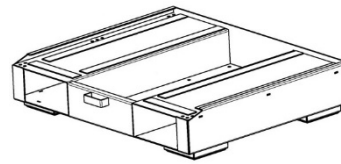
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1 X 6"



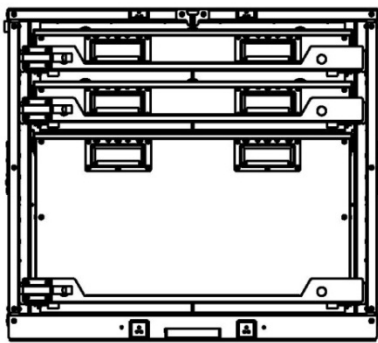
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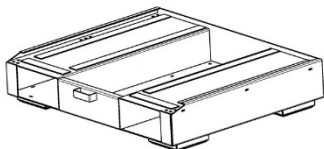
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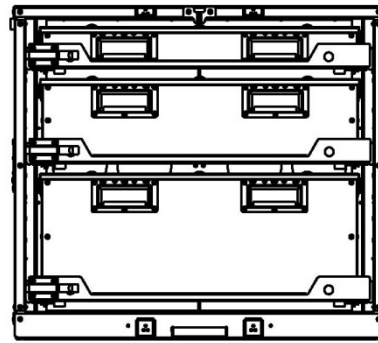
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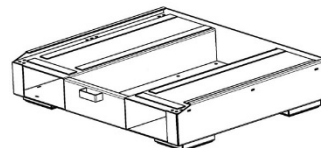
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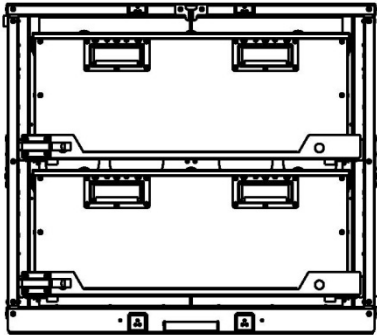


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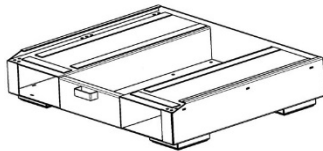


Small Cabinet Module (SCM) 36" Cabinet Configurations (Continued)

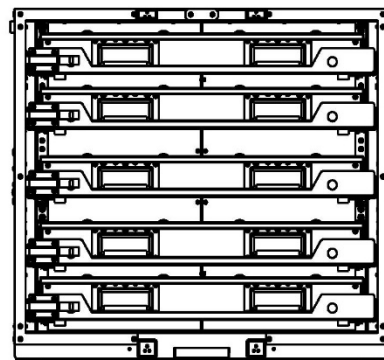
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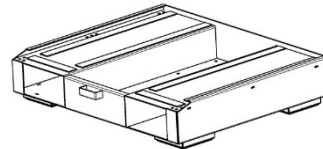
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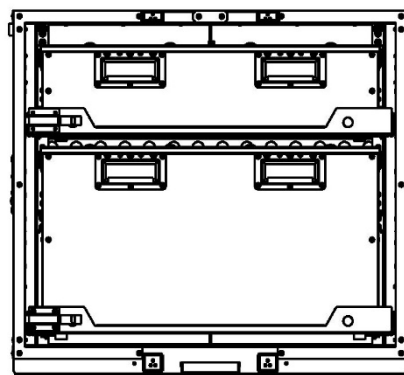
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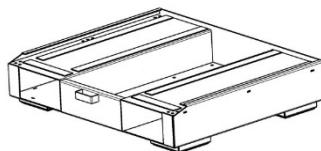
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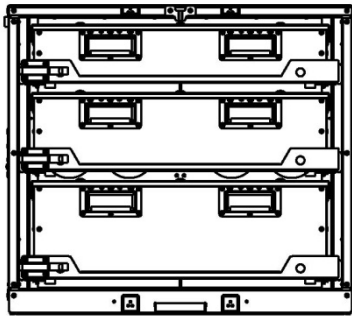


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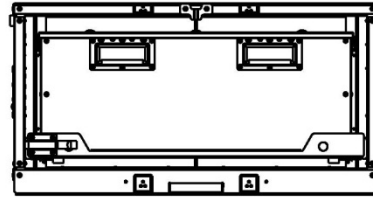


Small Cabinet Module (SCM) 55" Configurations

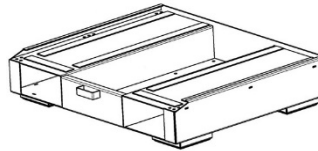
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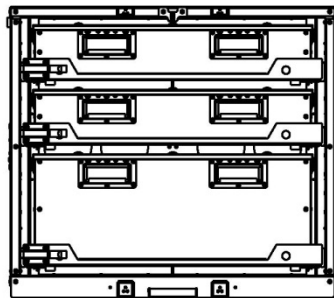
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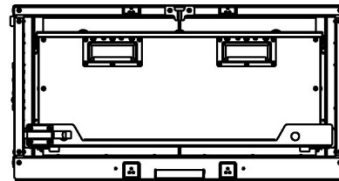
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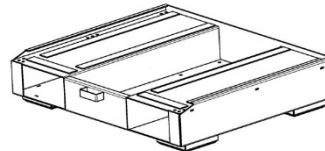
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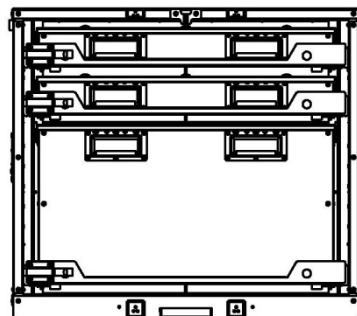
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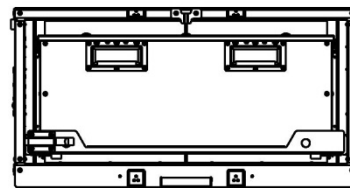
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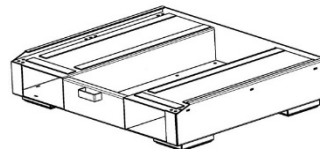
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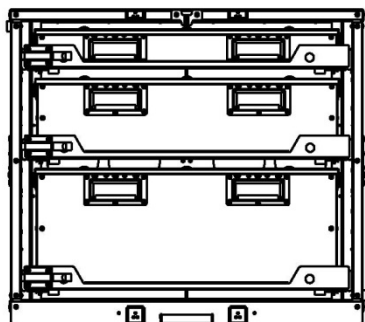


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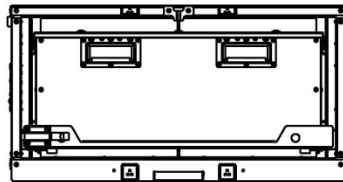


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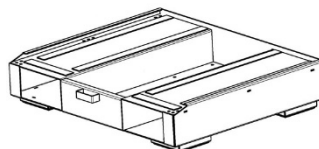
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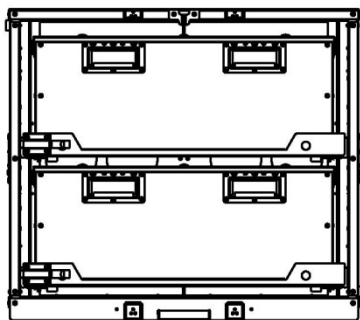
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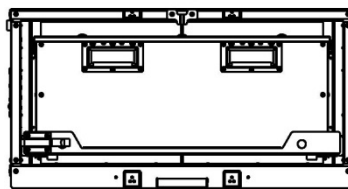
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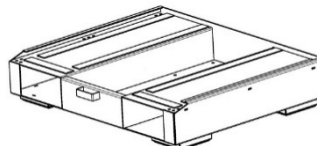
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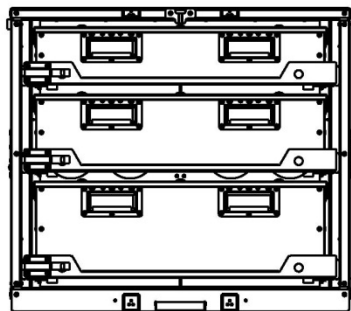
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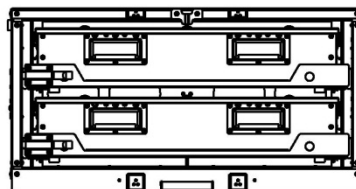
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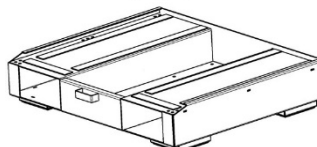
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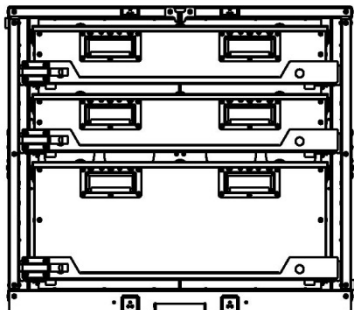


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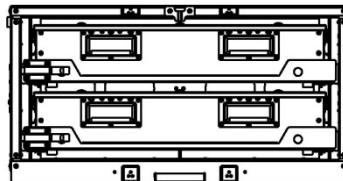


Small Cabinet Module (SCM) 55" Configurations (Continued)

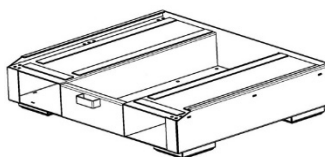
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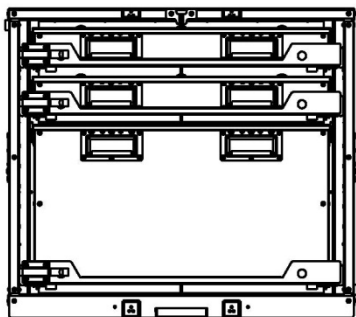
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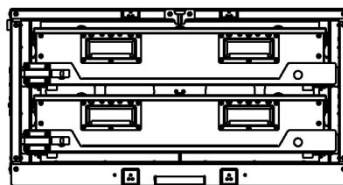
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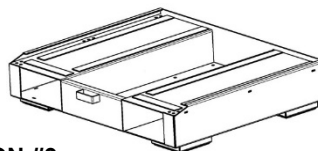
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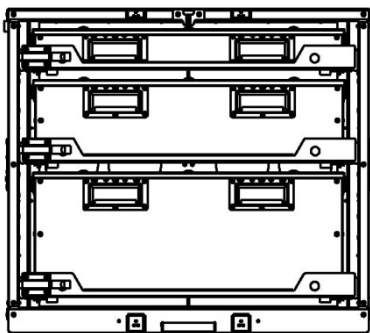
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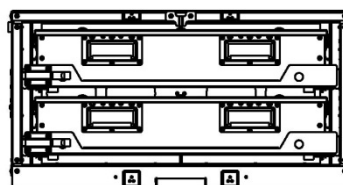
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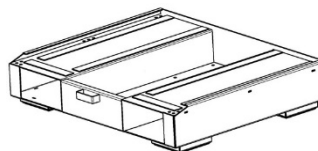
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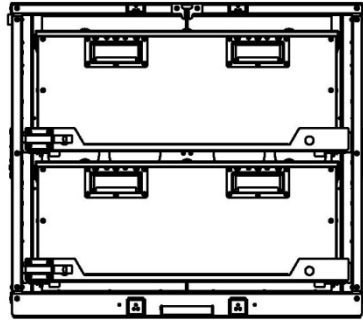


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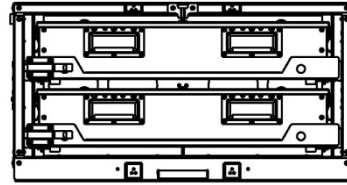


Small Cabinet Module (SCM) 55" Configurations (Continued)

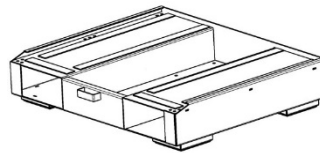
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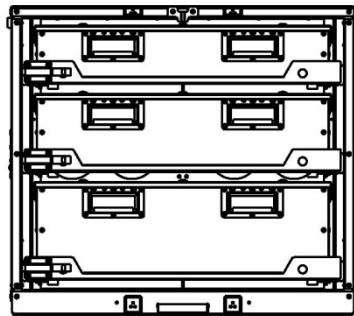
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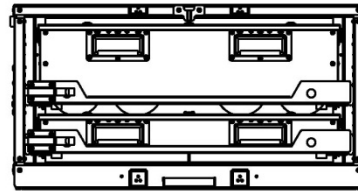
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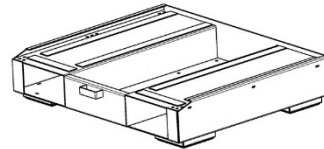
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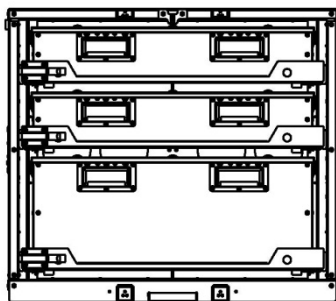
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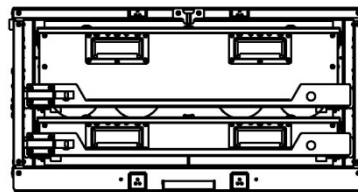
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1 X 4"
1 X 8"



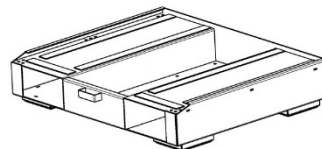
SCM 55" CONFIGURATION #12



CONFIG. 2A
1 X 12"
1 X 6"
2 X 6"

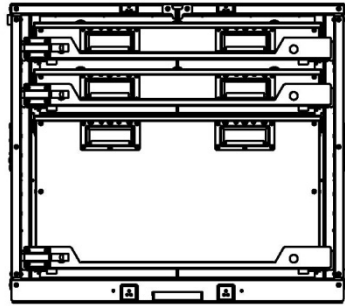


CONFIG. 3B
1 X 4"
1 X 8"

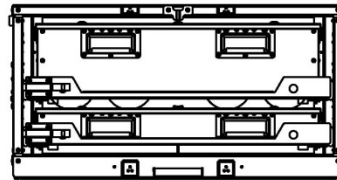


Small Cabinet Module (SCM) 55" Configurations (Continued)

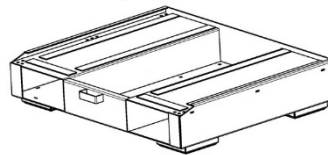
SCM 55" CONFIGURATION #13



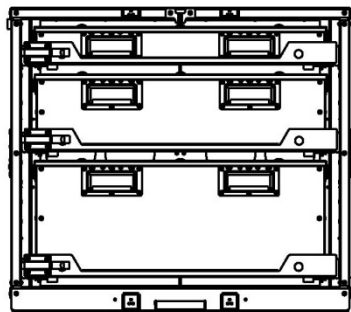
CONFIG. 3A
1 X 16"
2 X 4"



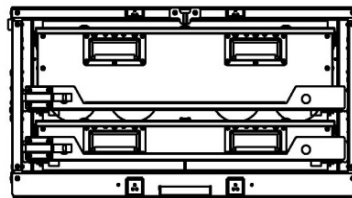
CONFIG. 3B
1 X 4"



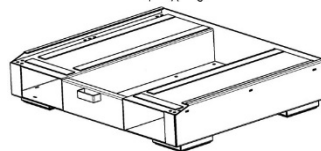
SCM 55" CONFIGURATION #14



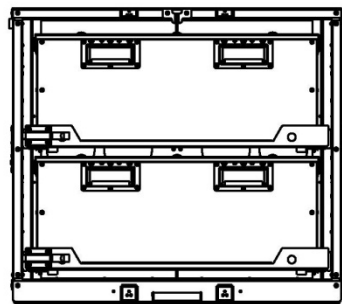
CONFIG. 4A
1 X 12"
1 X 8"
1 X 4"



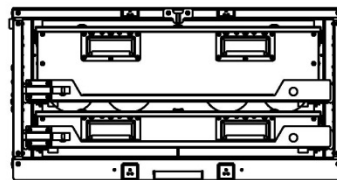
CONFIG. 3B
1 X 4"
1 X 8"



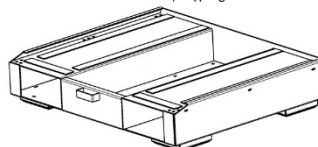
SCM 55" CONFIGURATION #15



CONFIG. 5A
2 X 12"

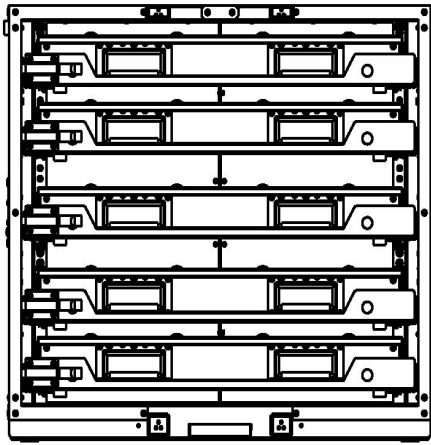


CONFIG. 3B
1 X 4"
1 X 8"

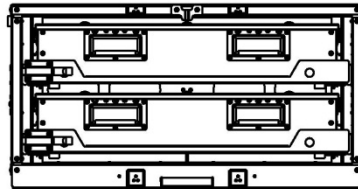


Small Cabinet Module (SCM) 55" Configurations (Continued)

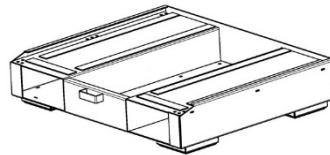
SCM 55" CONFIGURATION #16



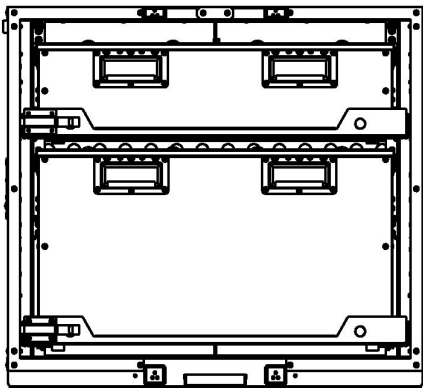
CONFIG. 6A
5 X 4"



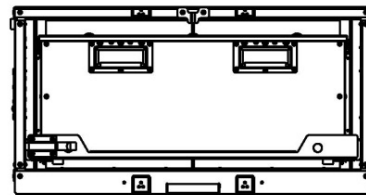
CONFIG. 2B
2 X 6"



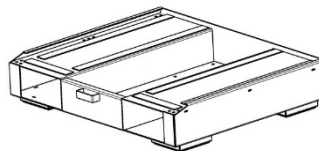
SCM 55" CONFIGURATION #17



CONFIG. 7A
1 X 16"
1 X 8"



CONFIG. 1B
1 X 12"



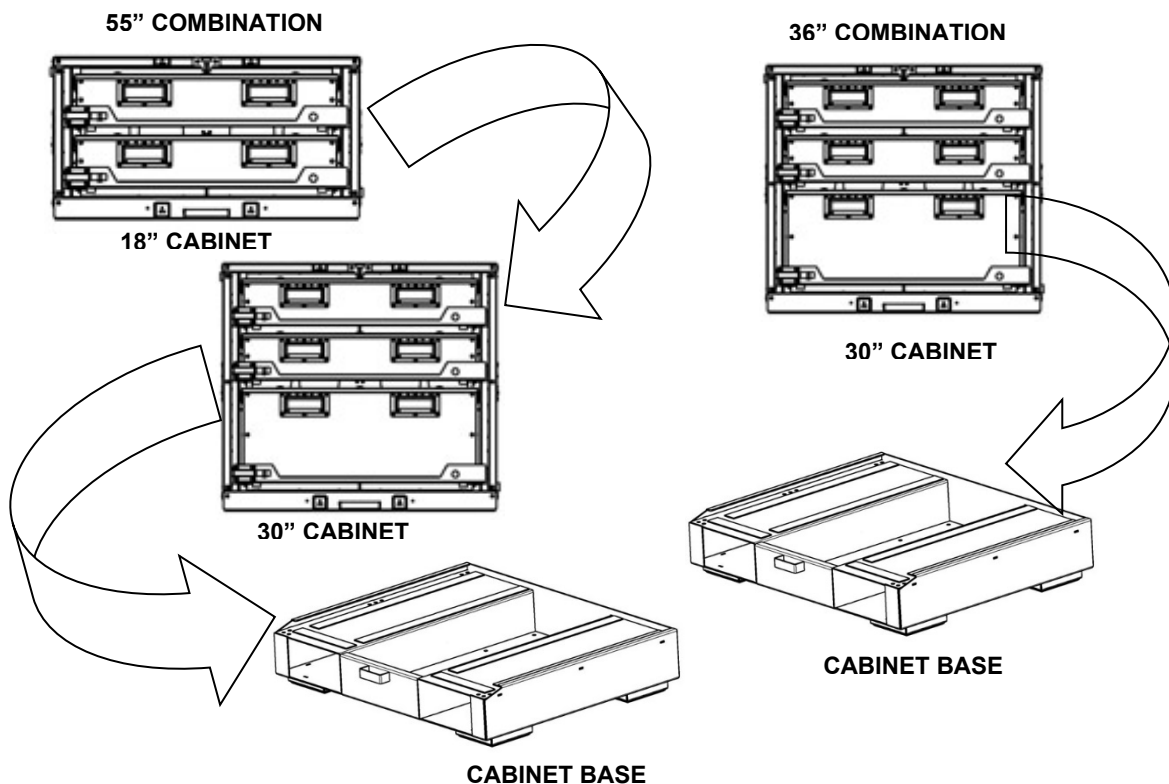
END OF WORK PACKAGE

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INTRODUCTORY INFORMATION WITH THEORY OF OPERATION
**FPU® SYSTEMS OPERATION MANUAL
 (INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
 SMALL CABINET MODULE (SCM)
 BOH FPU Field Pack-up Units**
THEORY OF OPERATION

SMALL CABINET MODULE (SCM) Description

The SCM Module is designed to stand alone with a pallet-like cabinet base for MHE movement. The SCM comes in two sizes, a 55" height and a 36" height module. The system can stand alone in a warehouse environment in its stacked or separated configuration. The SCM 55" module is available in 17 configurations, which include an 18" and 30" cabinet, sliding drawer trays and removable drawers of various sizes with divider sets. The SCM 36" module is available in 7 configurations. The drawers can be removed then moved to a location, easily loaded with material and reinstalled in the sliding tray. Each drawer is removable from the sliding tray; each cabinet hull is detachable for portability and easily reassembled. Each unit can be tailored to meet individual Supply/Maintenance/ Logistical Support needs. The SCM Module provides flexible transportability for supply support activities. The SCM module comes in two colors: forest green and desert tan.

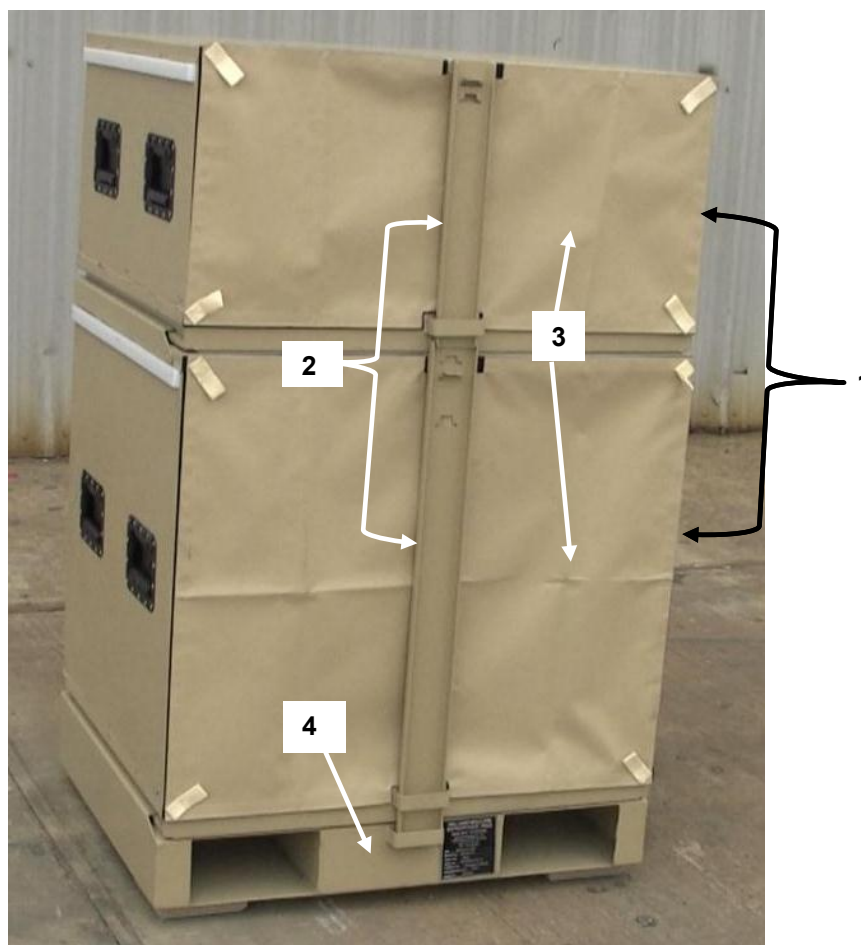


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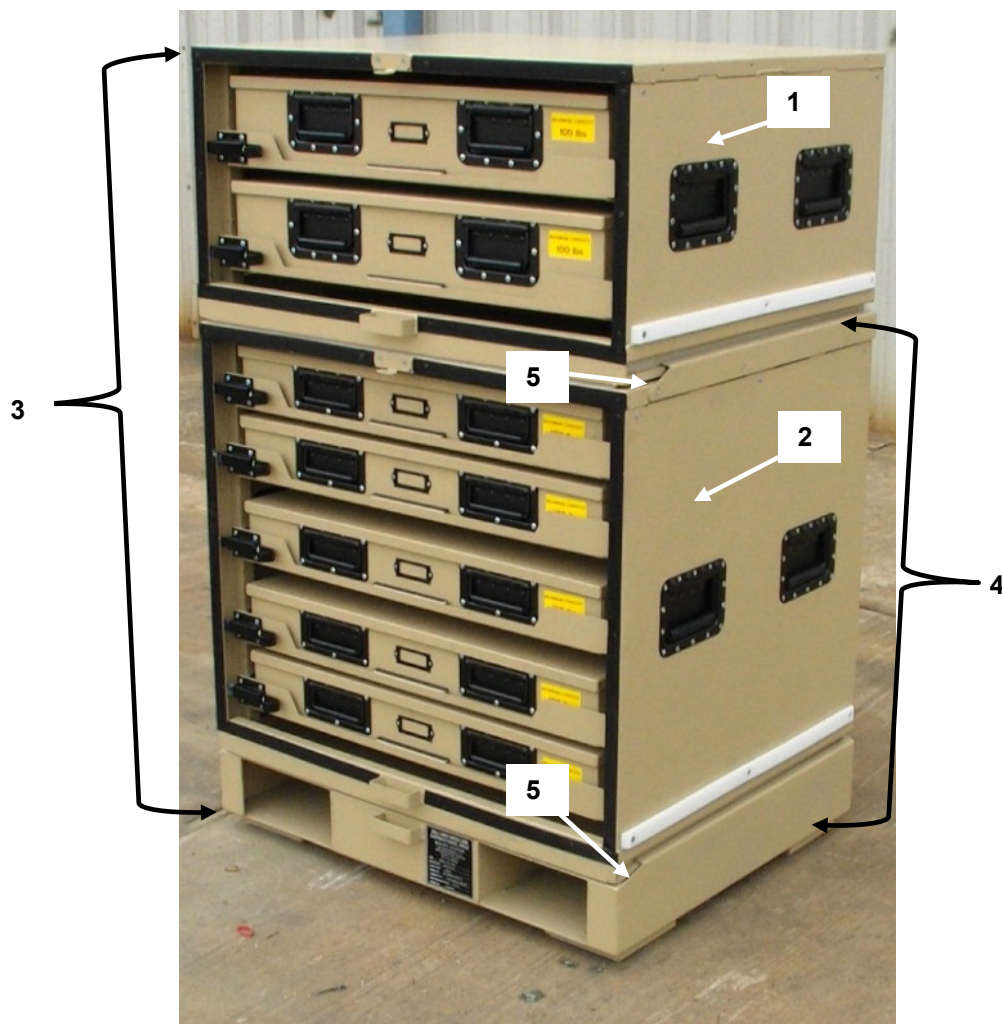
INTRODUCTORY INFORMATION WITH THEORY OF OPERATION**FPU® SYSTEMS OPERATION MANUAL
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
SMALL CABINET MODULE (SCM)
BOH FPU Field Pack-up Units****EQUIPMENT CHARACTERISTICS, COMPONENTS AND ACCESSORIES**

Assembled SCM Unit

The assembled SCM 55" module unit consists of: an 18" and 30" prescribed cabinet drawer configuration (1), two security bars (2), a two-piece dust cover (3) and cabinet base (4).



The 18" cabinet (1) and 30" cabinets (2) have prescribed drawer arrangements of various sizes in sliding trays for easy access. The SCM is available in two options: a 55" module (3) version and a 36" module (4) version. The SCM cabinet base and 30" cabinet have bezels (5) that interlock the cabinets as a SCM 55" module (3). The SCM 36" module (4) does not come with a bezel on the 30" cabinet since this configuration does not come with a 18" cabinet.



END OF WORK PACKAGE

INTRODUCTORY INFORMATION WITH THEORY OF OPERATION**FPU® SYSTEMS OPERATION MANUAL
(INCLUDING REPAIR PARTS & SPECIAL TOOL LIST)
SMALL CABINET MODULE (SCM)
BOH FPU Field Pack-up Units****EQUIPMENT DATA LABELS, IDENTIFICATIONS, MARKINGS****SMALL CABINET MODULE (SCM) DATA TAGS**

Data labels are located on each main component of the SCM. The SCM module label (1) is located on the front right side of the cabinet base (2). The hull labels (2) are located on the rear left side of each hull. The cabinet base label (4) is located on the rear left side of the cabinet base (2). On the right side face of each drawer tray there is a slide button instruction label (5). On each 3G security bar below the appropriate transport notch, there is a transport position label (6).



0004 00-1

The drawer assembly data labels (1) are on the right side of each drawer. On the front of each drawer there is a 100 lb. maximum capacity label (2).



NOTE

When it is preferred to operate the drawers without lids for greater access to the material, the drawer lids can be stored in the bottom of each hull assembly. See work package 0006 00-5.

SCM Data Plate

SMALL CABINET MODULE (SCM) SHIPPING/STORAGE, SINGLE BOH FPU SYSTEMS BOH ENVIRONMENTAL, LLC 143 TERRA BELLA BLVD COVINGTON, LA 70433 TEL. (985) 674-0725
NSN: _____
MODULE NO. _____
CAGE CODE _____
SERIAL NO. _____
CONTRACT NO. _____
DO NO. _____
DATE MANUFACTURED _____
PATENT NO. BOHFPU SYSTEMS.COM/PATENTS

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your Small Cabinet Module (SCM) needs improvements in design and/or performance, let us know. Send us a description of the recommended change to dcresap@bohfpusystems.com.

CORROSION PREVENTION AND CONTROL (CPC)

It is our understanding that Corrosion Prevention and Control (CPC) is a continuing concern for the military. While corrosion is typically associated with rusting of metals, it can also include deterioration of other material, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem.

All units must adhere to their specific corrosion maintenance plan. At a minimum, equipment should be inspected for corrosion on a quarterly basis (monthly if equipment is operated/stored in a high salt air environment). If corrosion is discovered, consult your unit/installation corrosion control manager to schedule repair. It is important that any corrosion problem with the FPU be reported so that the problem can be corrected and improvements can be made to prevent the problem in the future.

PREPARATION FOR STORAGE OR SHIPMENT

All preventative maintenance checks and services should be performed on the FPU and its components prior to any storage or shipment.

RECEIVING THE FPU INVENTORY

Unpacking and Inventory of Small Cabinet Module (SCM) Components upon Initial Receipt

With the SCM modules unloaded, check the equipment against the packing list. Report any discrepancy to your supervisor and Boh Environmental at dcresap@bohfpusystems.com.

END OF WORK PACKAGE

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