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MARINE-EQ™ System Product Installation Document

PN 54756:B3 12/5/2013 13-996

1 Overview

MARINE-EQ systems have been tested and approved for marine applications using equipment described in this document. A system requires at least the following components:

- A marine-approved enclosure with the appropriate listed battery mounting hardware (Section 1.1.1).
- Marine-approved filter kits (Section 1.1.2).
- A marine-approved fire alarm control panel (FACP), or network control annunciator if applicable (Section 1.1.3).

See “Compatible Equipment” on page 21 for other marine-approved products. Only the equipment in this list may be used in marine applications.

1.1 System Components

Components for the MARINE-EQ system are ordered separately according to the instructions in this document.

NOTE: In this document, the term “inner cabinet” refers to the CAB-B4, CAB-PS1, or NFS-320(E)(C) cabinet that mounts on the PL-BM mounting plate inside the CAB-BM marine enclosure. The term “protected equipment” refers to the equipment mounted within the inner cabinet or directly on the PL-BM mounting plate in the BB-MB marine enclosure.

1.1.1 Marine-Approved Enclosures

The installations described in this document use marine enclosures CAB-BM and BB-MB, with the appropriate required battery straps. CAB-BM is the primary enclosure that encloses standard fire alarm control cabinets. The BB-MB enclosure is a marine-approved battery box used in addition to CAB-BM when a system includes 100 AH batteries. BB-MB can also mount equipment such as ACPS-610(E).

- **CAB-BM marine enclosure:** Protects fire alarm control systems mounted in CAB-B4, in CAB-PS1, or in the integral cabinet of NFS-320(E)(C). Requires PL-BM and the appropriate battery strap.
  - **PL-BM mounting plate:** Mounts cabinets and hardware into CAB-BM and BB-MB.
  - **SEISKIT-CAB:** Battery strap used with CAB-B4.
  - **SEISKIT-320/B26:** Battery strap used with NFS-320(E)(C).
  - **SEISKIT-PS/2/4:** Battery strap used with CAB-PS1.
- **BB-MB large marine battery enclosure:** Protects marine-approved power supply and up to four 100 AH batteries. Requires PL-BM and BHKIT-BB-MB.
  - **PL-BM mounting plate:** Mounts cabinets and hardware into CAB-BM and BB-MB.
  - **BHKIT-BB-MB:** Provides mounting equipment for use with BB-MB, including marine battery shelf, battery straps, mounting kit, and necessary hardware.

NOTE: For clarity and visibility in drawings, SEISKIT-series battery straps are not pictured in this document; see the appropriate installation sheet: SEISKIT-CAB PN 53829, SEISKIT-320/B26 PN 53850, or SEISKIT-PS/2/4 PN 53881. Because there is no separate installation sheet for BHKIT-BB-MB, its battery shelf and battery straps are pictured in Section 6.1, “Mounting Batteries in BB-MB”.

1.1.2 Marine-Approved Filter Kits

- **NOT-FILTER-KIT1:** Provides filter equipment for use with CAB-BM, including ferrite beads, EMI line filter (supports 120 VAC or 220/240 VAC), and hardware required to complete installation.
- **FB-KIT-1:** Ferrite bead for use on NUP connections.
- **FB-KIT-2:** Ferrite bead for use with Ethernet connections.
- **FB-KIT-3:** Ferrite bead for use with additional SLC, EIA-485, and network connections.

1.1.3 Marine Approved Panels and Network Control Annunciators

- NFS-320(E)(C) and CPU-320SYS(E): All variants approved.
- NFS2-640(E): All variants approved.
- CPU2-3030D-M: English language marine-approved NFS2-3030 must be used for marine applications. Keypad Kit KP-KIT-XX must also be used for alternate language operation.
- NCA-2-M: English language marine-approved network control annunciator must be used for marine applications. Keypad Kit KP-KIT-XX must also be used for alternate language operation.

1.2 Installation Procedures

1. Install Line Filter onto Mounting Plate. See Section 2.
2. Create Knockouts. See Section 3.
3. *CAB-B4 only:* Install Mounting Plate and Inner Cabinet into Marine Enclosure. See Section 4.
4. *CAB-B4 only:* Install cabinet door onto backbox and make grounding connections. See *CAB-4 Series Installation Document* PN 15330 and Section 5.
5. Install Control Panel, Power Supply, and Peripheral Devices. See Sections 6, 7, and 8.
   - For BB-BM, see Section 6.
   - For wire routing details, see Section 7.
   - For ferrite bead installation details, see:
     - Section 8.1, “Notification Appliance Circuits (NACs)”
     - Section 8.2, “SLC Loops”
     - Section 8.3, “EIA-485 Circuits”
     - Section 8.4, “AC Power Line”
     - Section 8.5, “Network Connections”
     - Section 7.7, “MODBUS-GW Wire Routing, Ethernet, and Power Connections”
   - For a complete list of compatible equipment, see Section 9.



NOTE: Unless specified in this document, no ferrite bead is required for a circuit that does not exit the marine enclosure. For example, a ferrite bead is required on EIA-485 wiring to a remote device, but it is not required for an EIA-485 device mounted on the same chassis as the NFS2-640.

2 Install Line Filter onto Mounting Plate

2.1 CAB-B4

For CAB-B4: Install the line filter and grounding stud as described in Figure 1.

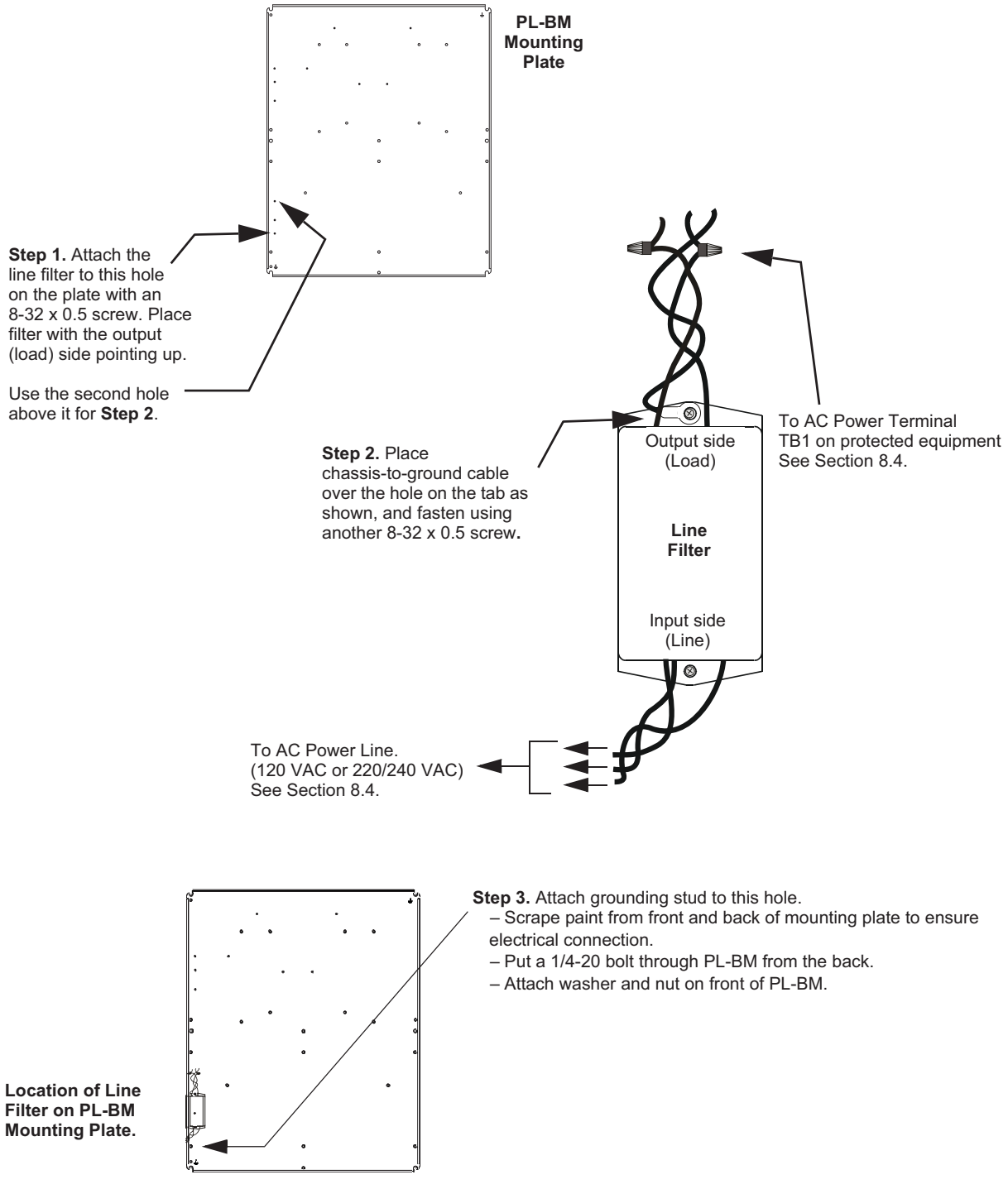


Figure 1 Install Line Filter to Mounting Plate in CAB-B4, NFS-320(E)(C), BB-MB, or CAB-PS1

2.2 BB-MB

For BB-MB: Install the line filter as described in Figure 2.

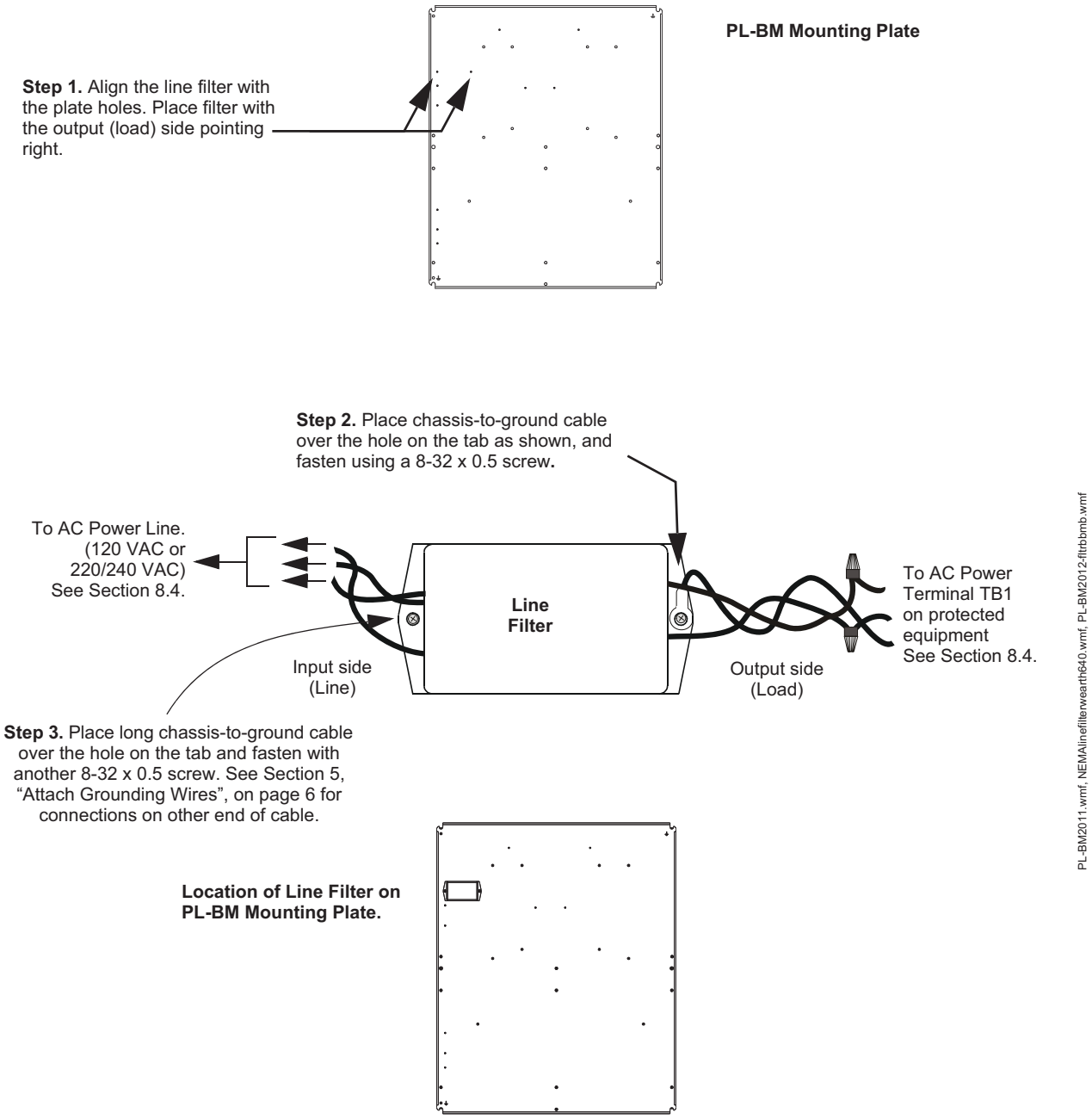
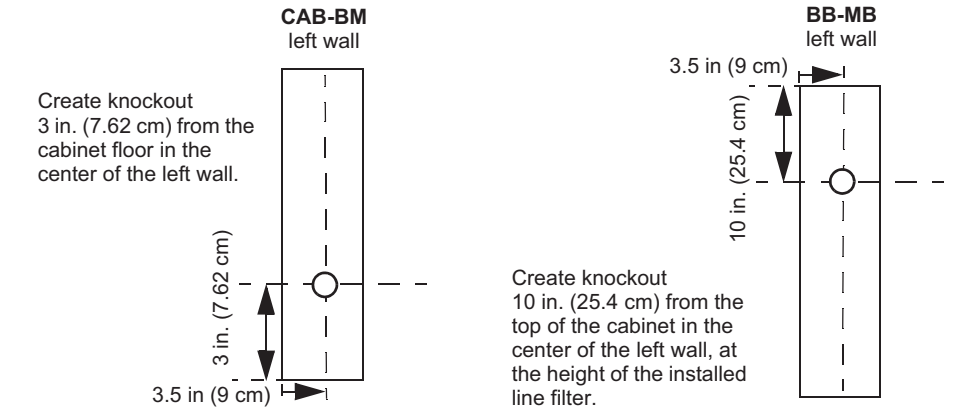


Figure 2 Install Line Filter to Mounting Plate in BB-MB

3 Create Knockouts

Create knockouts as indicated in the left wall of the marine enclosure. Make any other knockouts necessary for installation of protected equipment in CAB-B4, NFS-320(E)(C), or CAB-PS1 before mounting those inner cabinets to PL-BM. (See Section 7 for wire routing to determine knockout locations.)



NOTE: Drawings not to scale.

Figure 3 Knockouts Locations

4 Install Mounting Plate and Inner Cabinet into Marine Enclosure

4.1 CAB-BM

Attach the inner cabinet to the mounting plate as shown in Figure 4. Attach door to backbox as shown in the *CAB-4 Series Installation Document* PN 15330. Door should be attached with the hinge on the left side.
Attach the mounting plate to the marine enclosure as shown in Figure 4.

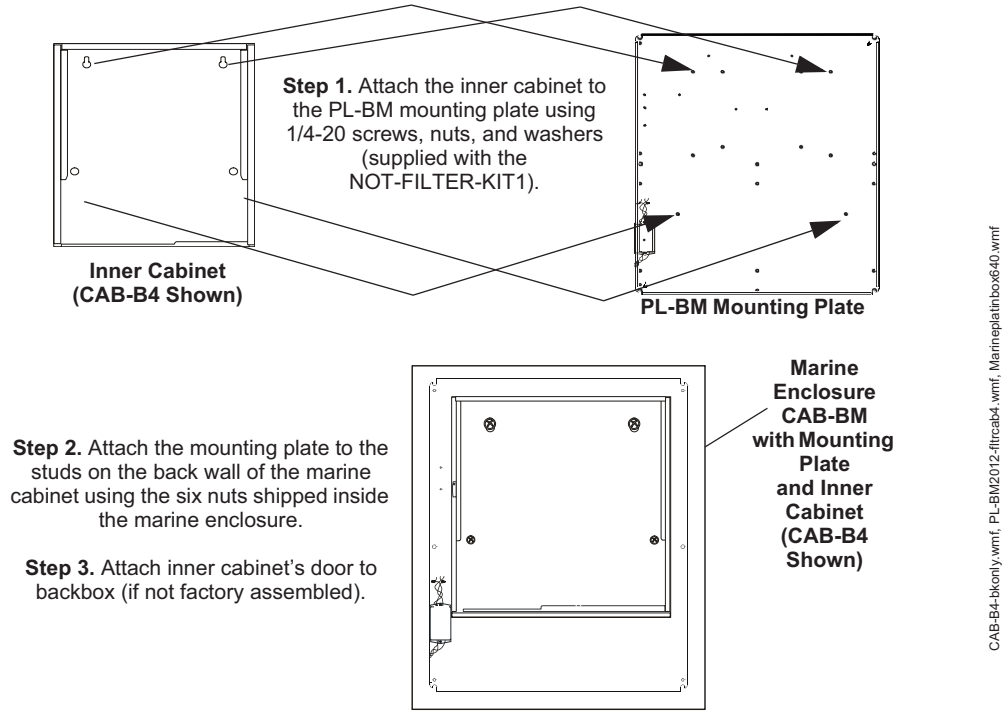


Figure 4 Install Mounting Plate and Inner Cabinet into CAB-BM

4.2 BB-MB

Attach the mounting plate to the marine enclosure as shown in Figure 5.

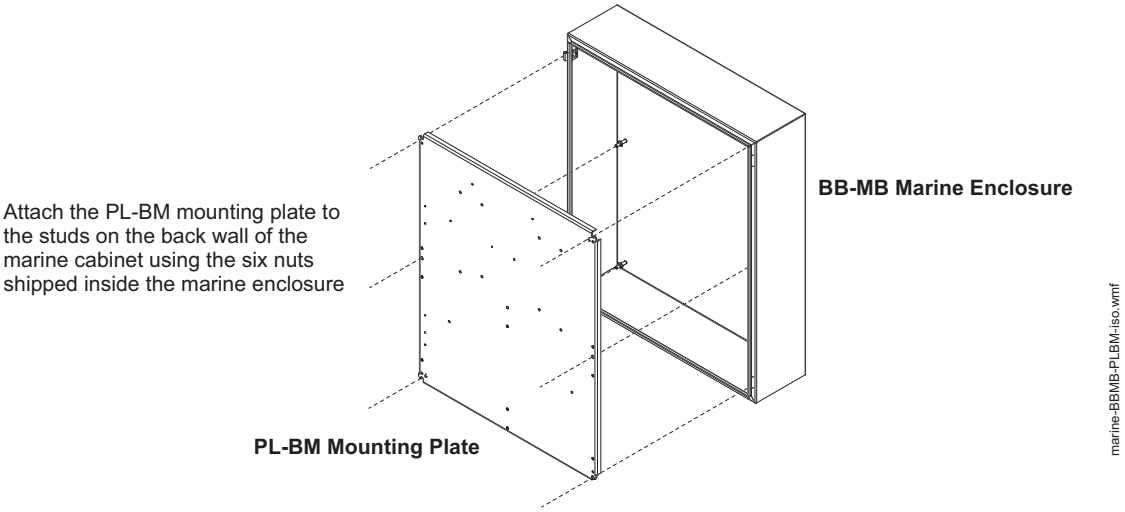


Figure 5 Install Mounting Plate into BB-MB

5 Attach Grounding Wires

To ensure proper grounding of protected equipment, attach the grounding wires supplied with NOT-FILTER-KIT1 as described below.

5.1 CAB-BM

Attach grounding wires (supplied with NOT-FILTER-KIT1) from marine enclosure's door to its backbox, from the marine enclosure's backbox to PL-BM, and from PL-BM to ground on the AC power line. (See Section 8.4.)

The line filter itself is also grounded.

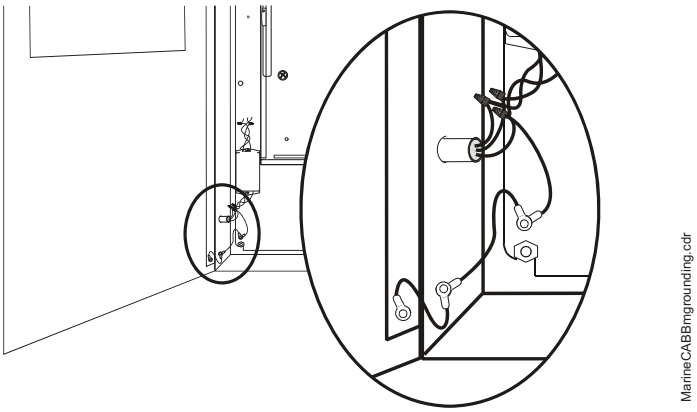
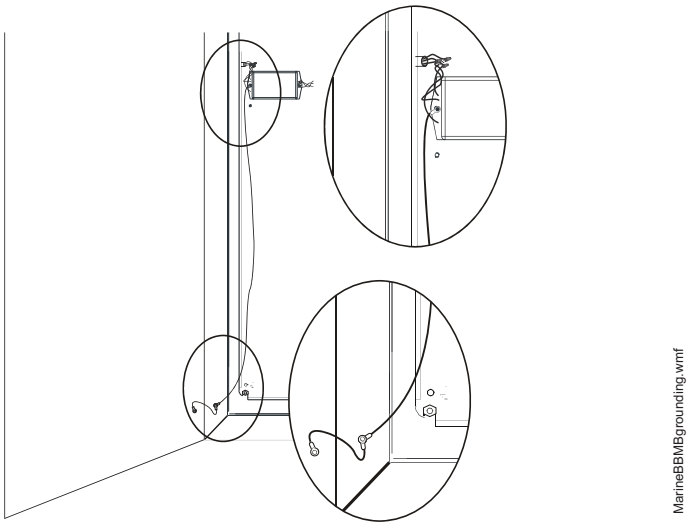


Figure 6 Proper Grounding for Protected Equipment in CAB-BM

5.2 BB-MB

Attach grounding wires (supplied with NOT-FILTER-KIT1) from marine enclosure's door to its backbox and from the marine enclosure's backbox to the line-filter's mounting stud. (See Figure 7.)

The line filter itself is also grounded.



MarineBBMBgrounding.wmf

Figure 7 Proper Grounding for Protected Equipment in BB-MB

6 Install Control Panel, Power Supply, and Peripheral Devices

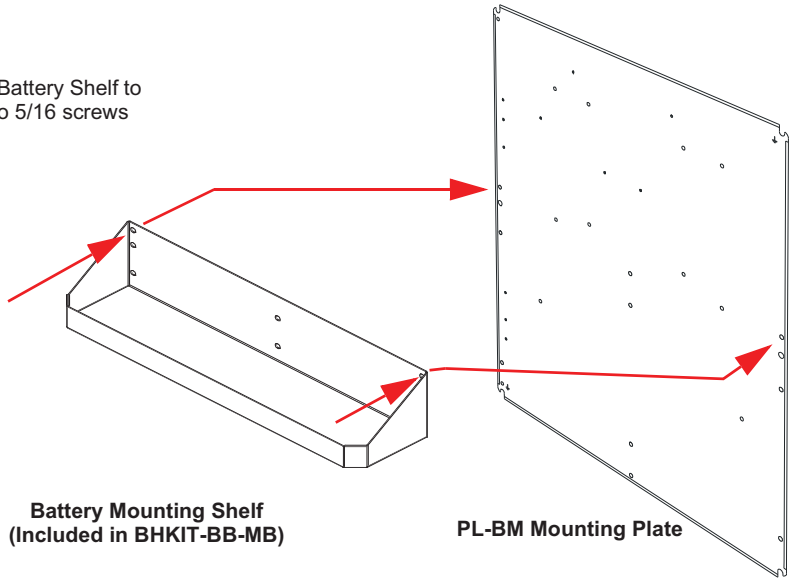
For NFS2-640 and marine-approved NFS2-3030 systems in CAB-BM: Install the control panel/power supply into the inner cabinet according to their respective installation manuals.

For AMPS-24(E) used as a battery charger in BB-MB: Batteries mount on the bottom of the backbox and in a shelf as described in Section 6.1, "Mounting Batteries in BB-MB". AMPS-24(E) mounts in the top row of BB-MB; use PL-BM mounting locations and mounting plate shown in Figure Figure 9. *For easiest installation, mount batteries first.*

Refer to the system installation manuals for the remaining panel and power supply wiring and grounding requirements. Wiring should be routed as described in Section 7. Ferrite beads should be installed on circuits as described in Section 8.

6.1 Mounting Batteries in BB-MB

Step 1. Attach top two holes of the Battery Shelf to the PL-BM mounting plate using two 5/16 screws included with BHKIT-BB-MB.



Battery Mounting Shelf (Included in BHKIT-BB-MB)

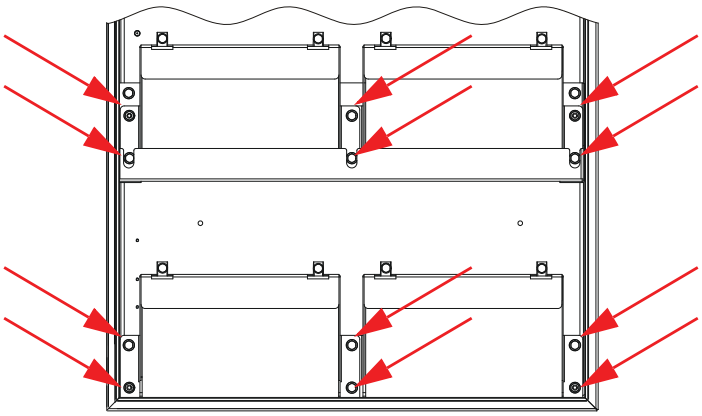
PL-BM Mounting Plate

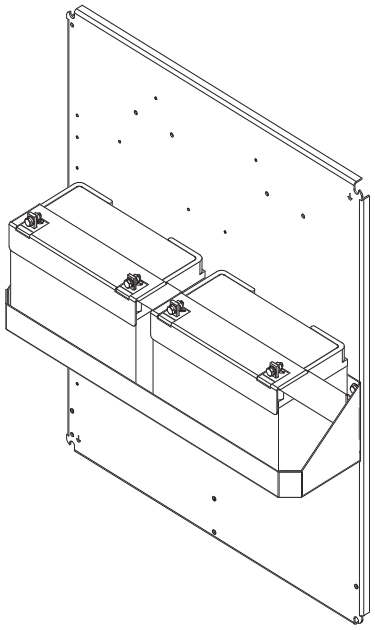
Step 2. Place batteries on shelf.

Step 3. Attach straps with four more 5/16 screws from BHKIT-BB-MB, and two nuts used to mount PL-BM.

Step 4. Place batteries on bottom of BB-MB.

Step 5. Attach straps with four 5/16 screws from BHKIT-BB-MB, and two nuts used to mount PL-BM.





PL-BM Mounting Plate with Shelf, Batteries, and Battery Strap Installed (Side View)

marine_BHTKITBBBM.wmf16
, pl-bm-iso.wmf, MARINE-BB-MB-bat.wmf, marine_battery_all.wmf

Figure 8 BB-MB Battery Mounting

6.2 Mounting AMPS-24(E) in BB-MB

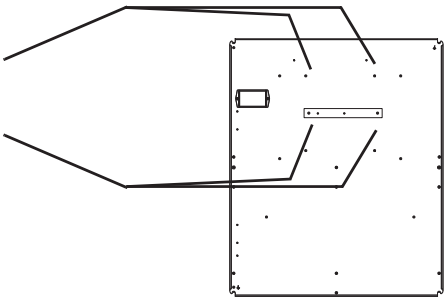
Step 1. Attach the mounting bracket from BHKIT-BB-MB using two 8-32 x 0.5 screws from the same kit.



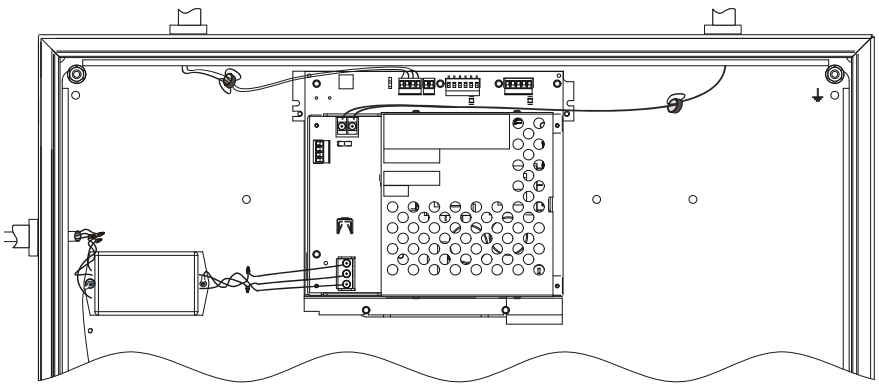
PL-BM Mounting Plate

Step 2. Attach AMPS-24(E) to the PL-BM on top using two 8-32 x 0.5 screws from BHKIT-BB-MB.

Step 3. Attach AMPS-24(E) to the mounting bracket on the bottom using two 6-32 x 0.375 screws on the bottom from BHKIT-BB-MB.



PL-BM Mounting Plate with Mounting Bracket



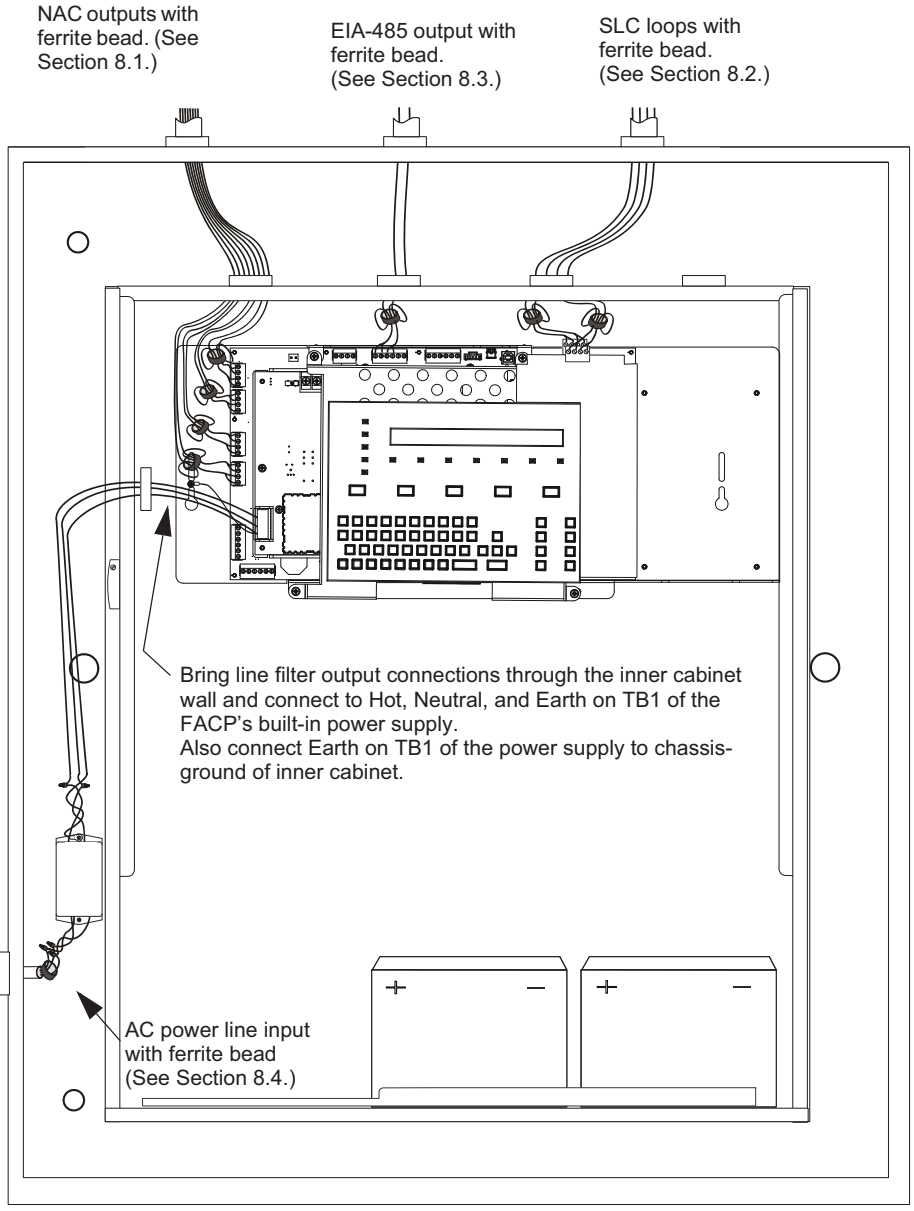
PL-BM2012-filtrbbmb.wmf, PL-BM2012-filtr-plate-bbmb.wmf (MARINE-BB-MB-amps.wmf

Figure 9 AMPS-24(E) in BB-MB

7 Wire Routing Diagrams

7.1 NFS2-640(E) Wire Routing

Note: All wires should enter and exit the cabinet in suitable conduit.

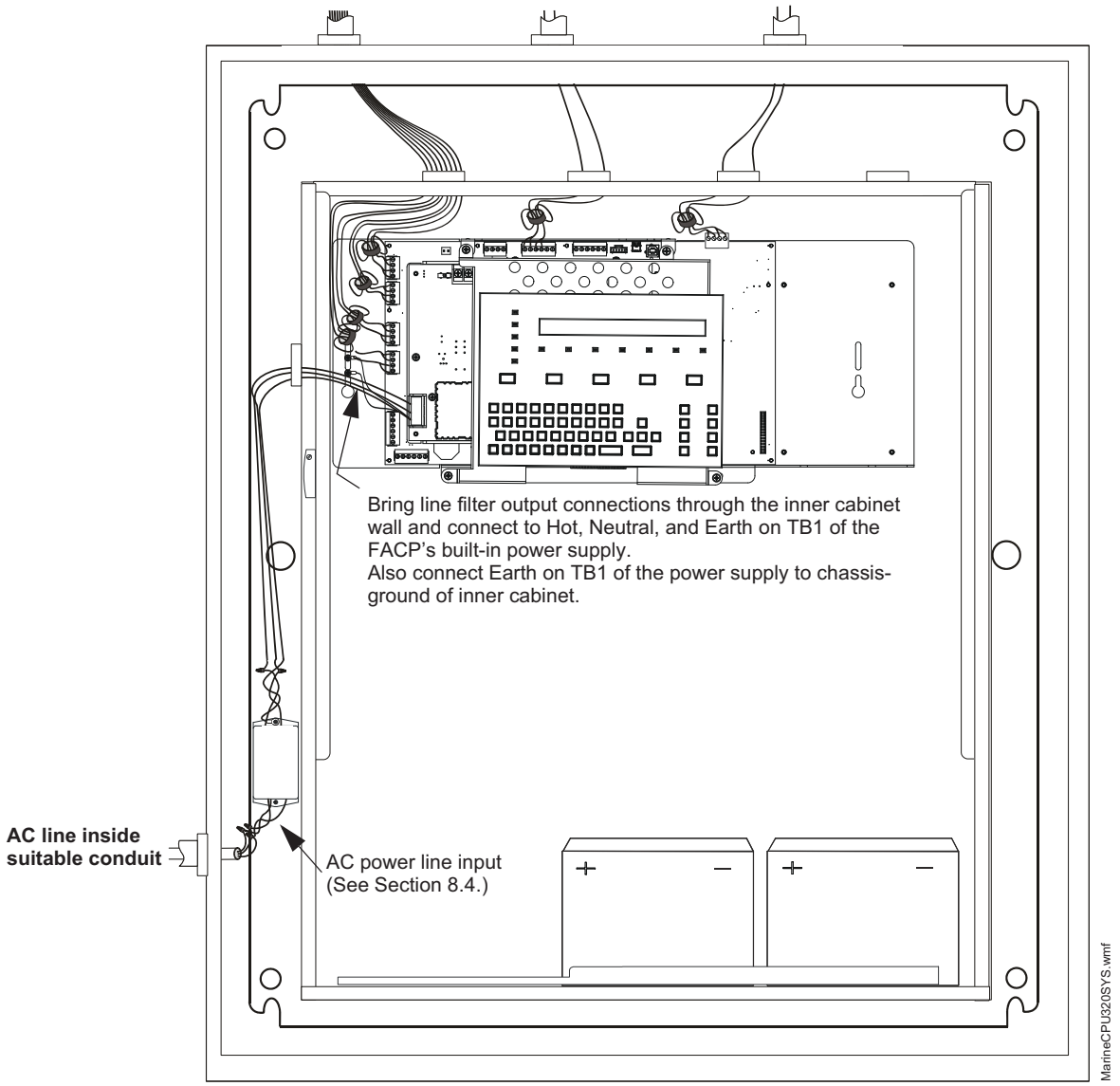


Marine-CAB4-640.wmf

NOTE:
For clarity and visibility in drawings, the required seismic brackets are not pictured in this document; see the appropriate installation sheet: *SEISKIT-CAB* PN 53829.
See Figure 4 in Section 4 for details of connecting the cabinet's grounding wires.
See Section 8.5 for network connections.
Wires between battery & control panel that are contained within the cabinet do not require ferrite beads; see the control panel's installation manual for connections.

7.2 CPU-320SYS(E) Wire Routing

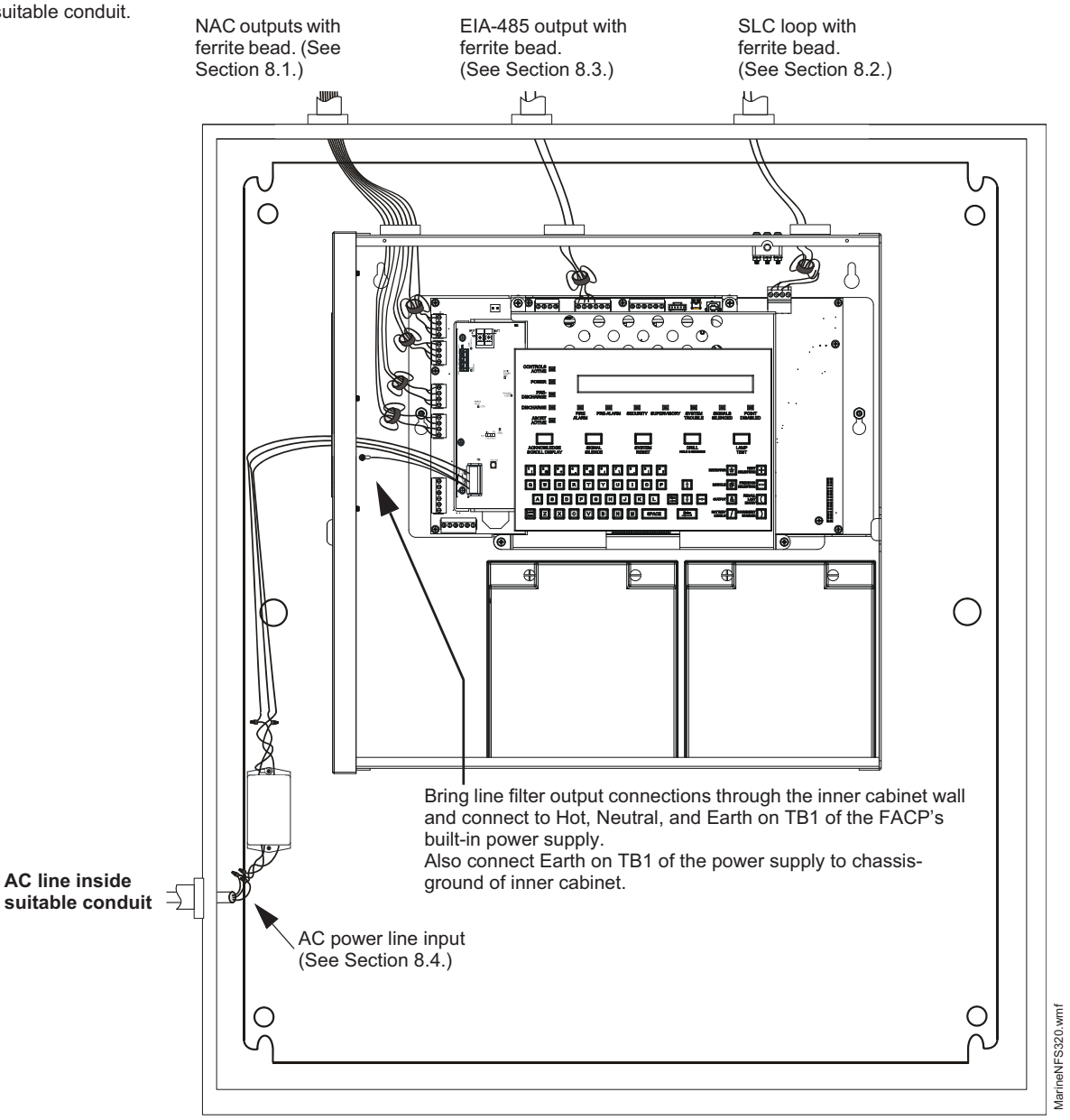
Note: All wires should enter and exit the cabinet in suitable conduit.



NOTE:
For clarity and visibility in drawings, the required seismic brackets are not pictured in this document; see the appropriate installation sheet: *SEISKIT-CAB PN 53829.*
See Figure 4 in Section 4 for details of connecting the cabinet's grounding wires.
See Section 8.5 for network connections.
Wires between battery & control panel that are contained within the cabinet do not require ferrite beads; see the control panel's installation manual for connections.

7.3 NFS-320(E)(C) Wire Routing

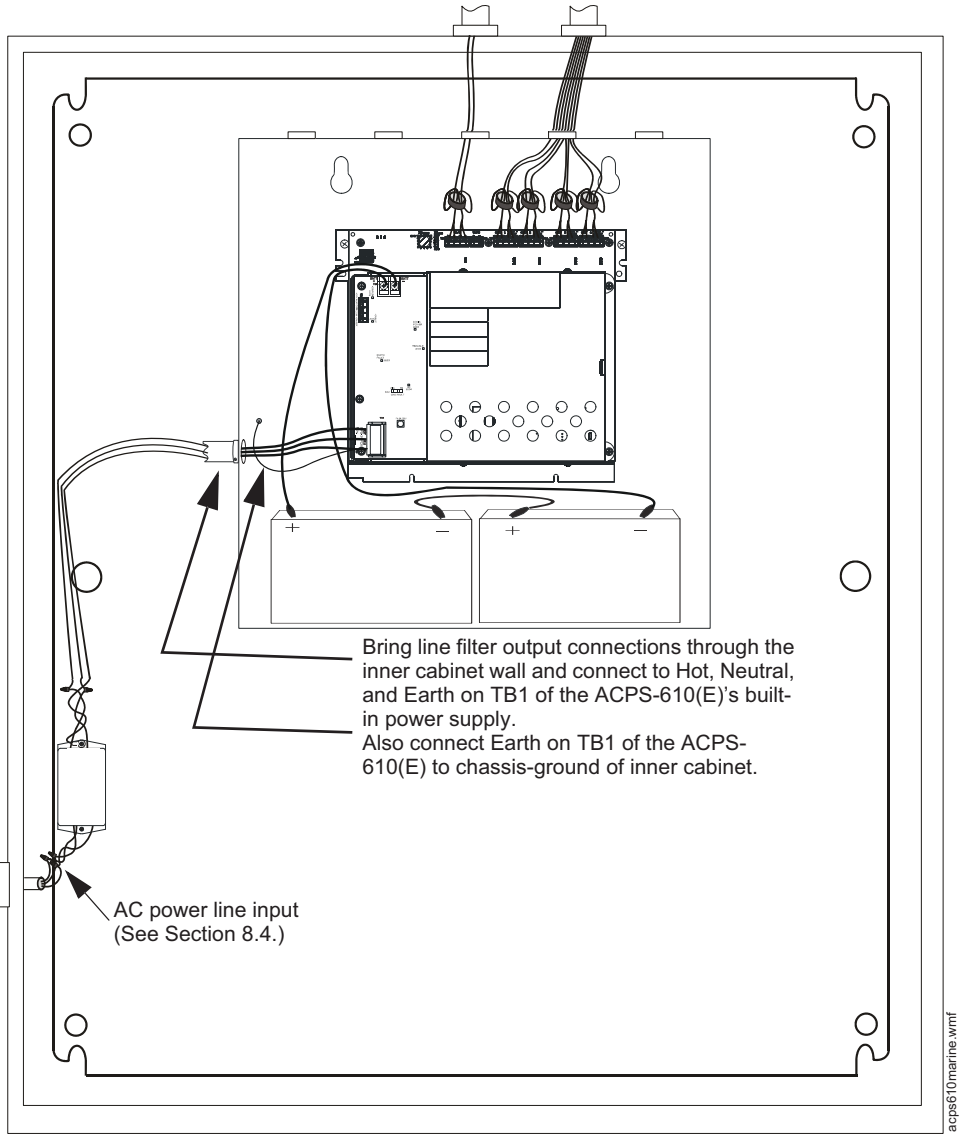
Note: All wires should enter and exit the cabinet in suitable conduit.



NOTE:
For clarity and visibility in drawings, the required seismic brackets are not pictured in this document; see the appropriate installation sheet: *SEISKIT-320/B26 PN 53850*.
See Figure 4 in Section 4 for details of connecting the cabinet's grounding wires.
See Section 8.5 for network connections.
Wires between battery & control panel that are contained within the cabinet do not require ferrite beads; see the control panel's installation manual for connections.

7.4 ACPS-610(E) Wire Routing

Note: All wires should enter and exit the cabinet in suitable conduit.



NOTE:
For clarity and visibility in drawings, the required seismic brackets are not pictured in this document; see the installation sheet *SEISKIT-PS/2/4 PN 53881.*
See Figure 4 in Section 4 for details of connecting the cabinet's grounding wires.
Wires between battery & power supply/charger that are contained within the cabinet do not require ferrite beads; see the ACPS-610(E) manual for connections.

7.5 NFS2-3030 and NCA-2 Wire Routing

Marine-listed numbers:

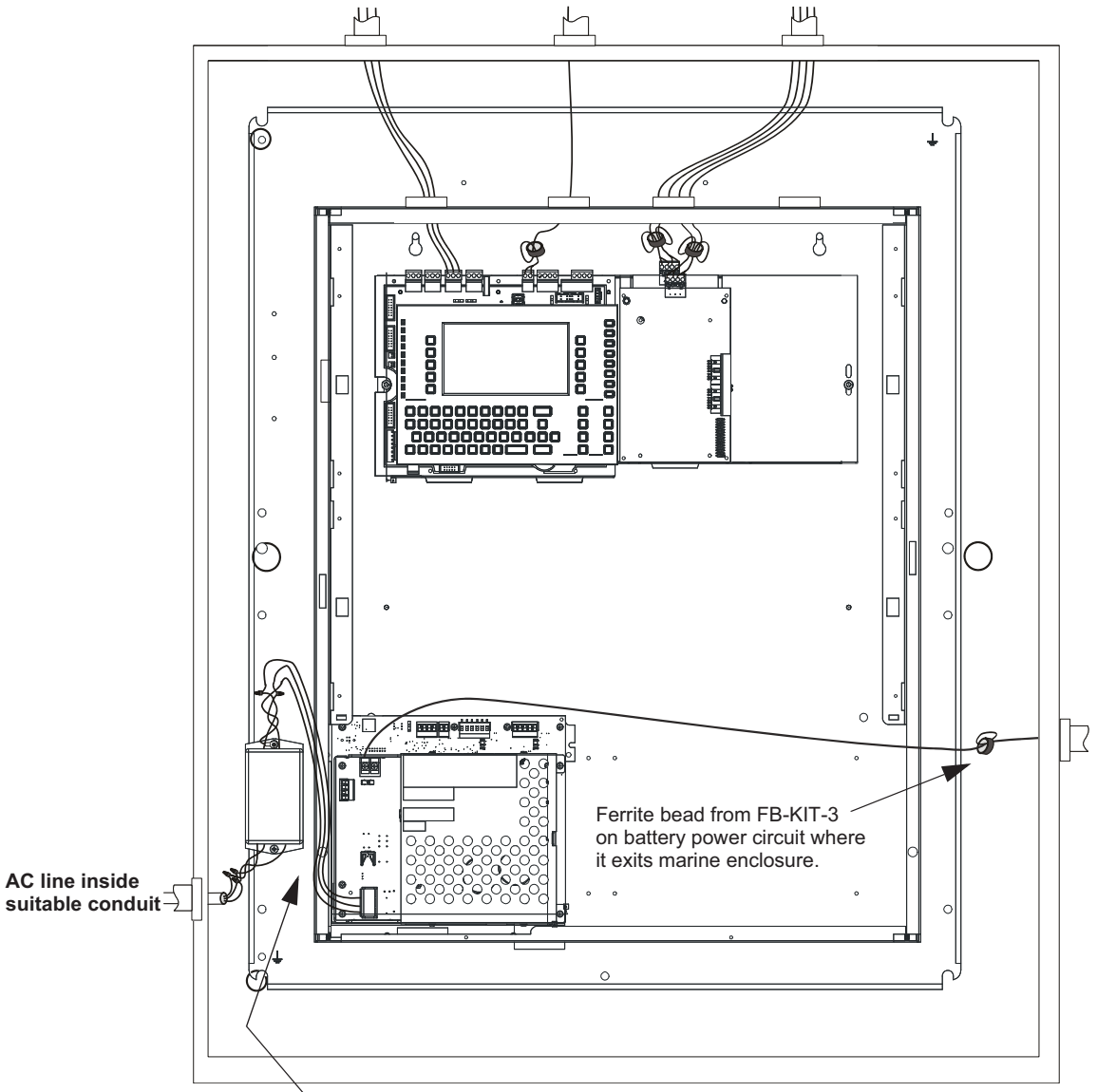
- CPU2-3030D-M(Non-English operation achieved using the appropriate keypad kit, KP-KIT-(XX).)
- NCA-2-M (Non-English operation achieved using the appropriate keypad kit, KP-KIT-(XX).)

Note: All wires should enter and exit the cabinet in suitable conduit.

Relay circuit (power limited only if connected to a power-limited signal source).

EIA-485 output with ferrite bead. (See Section 8.3.)

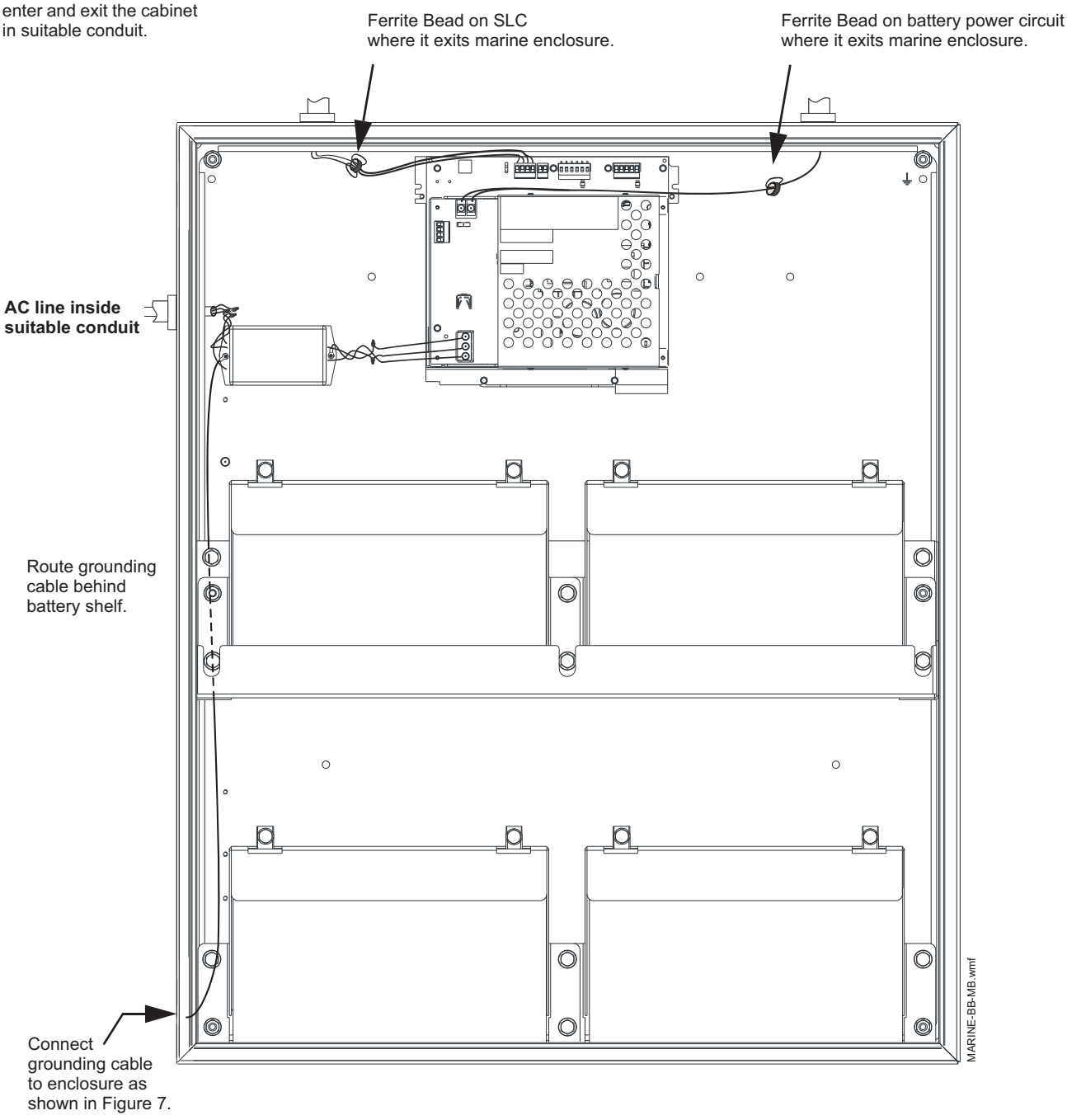
SLC loops with ferrite bead. (See Section 8.2.)



NOTE:
For clarity and visibility in drawings, the required seismic brackets are not pictured in this document; see the appropriate installation sheet: *SEISKIT-CAB* PN 53829.
See Figure 4 in Section 4 for details of connecting the cabinet's grounding wires.
See Section 8.5 for network connections.
Wires between battery & AMPS-24(E) that are contained within the cabinet do not require ferrite beads; see the AMPS-24(E) and NFS2-3030 manuals for connections.

7.6 Wire Routing for Batteries and AMPS-24 as Charger

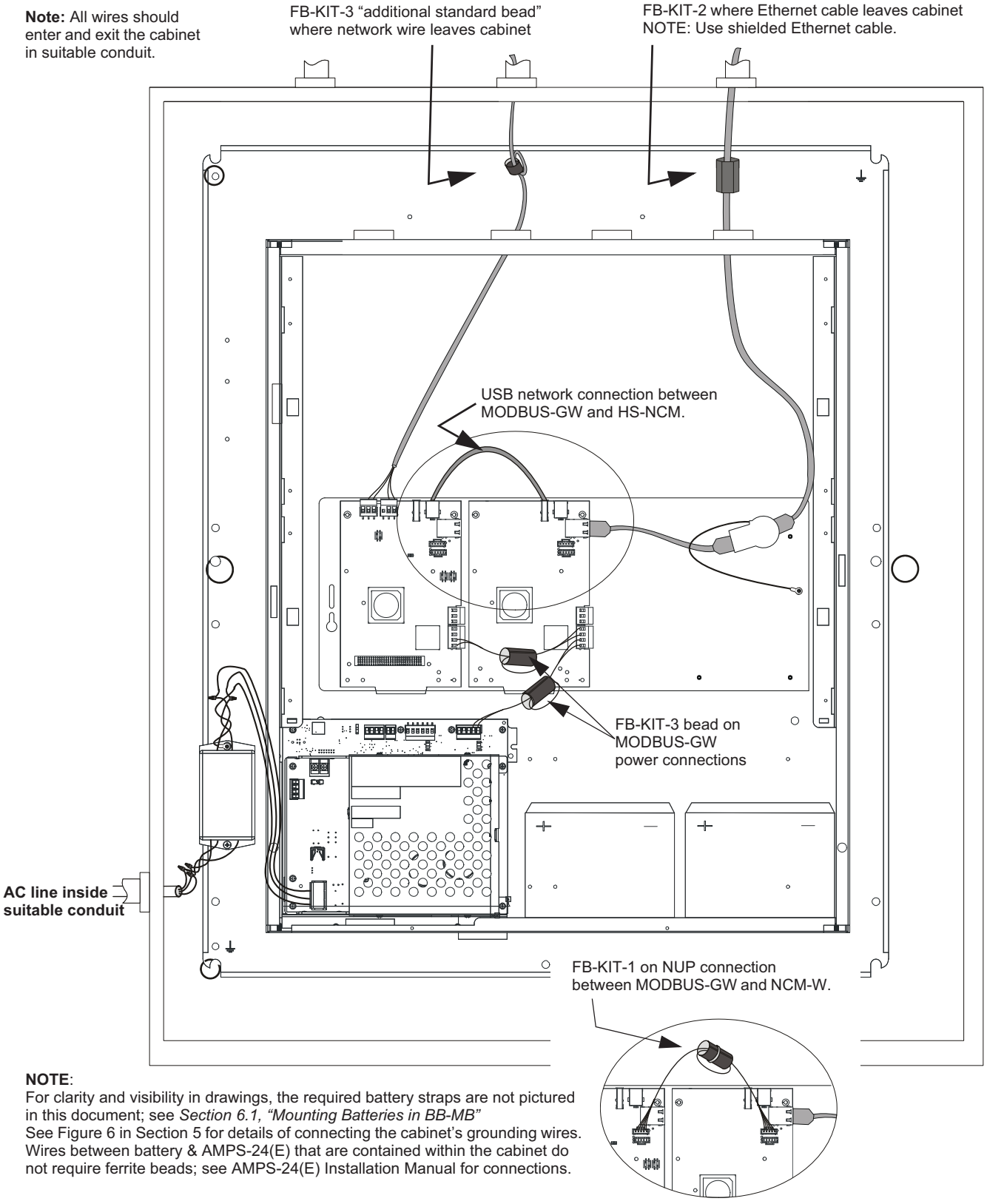
Note: All wires should enter and exit the cabinet in suitable conduit.



NOTE:
For clarity and visibility in drawings, the required battery straps are not pictured in this document; see *Section 6.1, "Mounting Batteries in BB-MB"*
See Figure 6 in Section 5 for details of connecting the cabinet's grounding wires.
Wires between battery & AMPS-24(E) that are contained within the cabinet do not require ferrite beads; see AMPS-24(E) Installation Manual for connections.

7.7 MODBUS-GW Wire Routing, Ethernet, and Power Connections

In the basic system shown below, MODBUS-GW connects to the network with HS-NCM-W, and draws 24V power from the auxiliary power terminal on AMPS-24(E). The inset drawing shows NCM-W network connection.
NOTE: Use shielded Ethernet cable in marine applications.



NOTE:
For clarity and visibility in drawings, the required battery straps are not pictured in this document; see *Section 6.1, "Mounting Batteries in BB-MB"*
See Figure 6 in Section 5 for details of connecting the cabinet's grounding wires.
Wires between battery & AMPS-24(E) that are contained within the cabinet do not require ferrite beads; see AMPS-24(E) Installation Manual for connections.

8 Ferrite Bead Installation Diagrams

Ferrite beads are applied as shown:

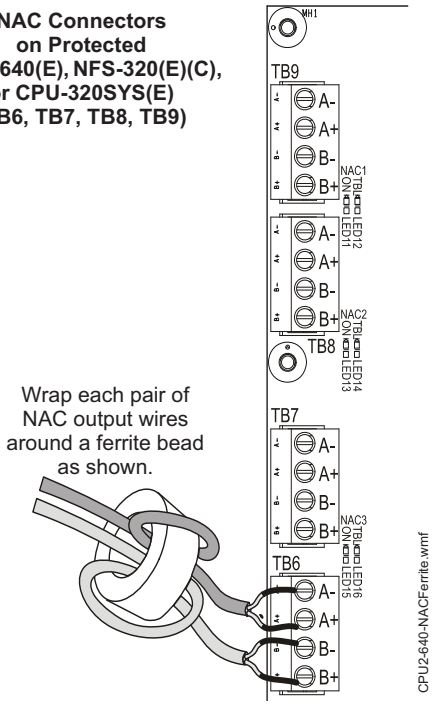
- **NAC circuit:** One bead for each NAC circuit (up to four). Use bead from NOT-FILTER-KIT1 or FB-KIT-3; see Section 8.1.
- **SLC circuit:** One bead for each SLC circuit (varies by panel). Use bead from NOT-FILTER-KIT1 or FB-KIT-3; see Section 8.2.
- **EIA-485 circuit:** One bead for each EIA-485 circuit *(NFS2-640(E)/NFS-320(E)(C)/CPU-320SYS(E) only)*. Use bead from NOT-FILTER-KIT1 or FB-KIT-3. See Section 8.3.
- One bead for each internal NUP connection (e.g. NCA-2-M to HS-NCM/NCM, control panel to HS-NCM/NCM, or MODBUS-GW to NCM connections). Use clamp-on bead from FB-KIT-1. See Section 8.5.
- One bead for each network connection that exits the box. Use bead from NOT-FILTER-KIT1 or FB-KIT-3. See Section 8.5.
- **Ethernet:** One clamp-on bead for Ethernet connections. Use bead from FB-KIT-2. See Section 8.5.
- **AC power:** One bead for AC power line *(NFS2-640(E) only)*. Use bead from NOT-FILTER-KIT1 or FB-KIT-3. See Section 8.4.
- **Battery power:** Two beads for battery power between BB-MB and CAB-BM. Use beads from FB-KIT-3. See Section 7.5 and Section 7.6.
- **MODBUS-GW 24V power:** one bead for each 24V power connection between MODBUS-GW and its power supply or between MODBUS-GW and the network communications module. Use bead from NOT-FILTER-KIT1 or FB-KIT-3). See Section 7.7.

NOTE: Some configurations will not use all ferrite beads; some will require more (ordered separately).

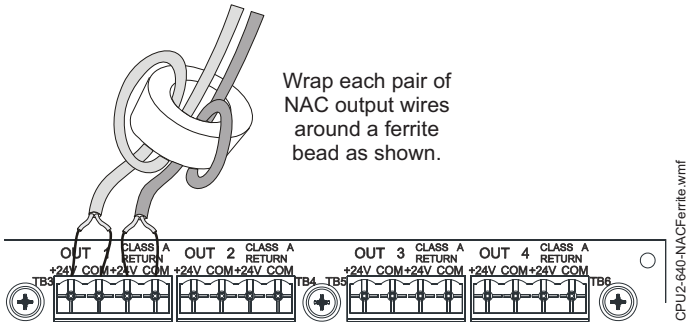
8.1 Notification Appliance Circuits (NACs)

Wrap each pair of NAC output wires around a ferrite bead as shown below. Position the bead within the inner cabinet.

NAC Connectors on Protected NFS2-640(E), NFS-320(E)(C), or CPU-320SYS(E) (TB6, TB7, TB8, TB9)

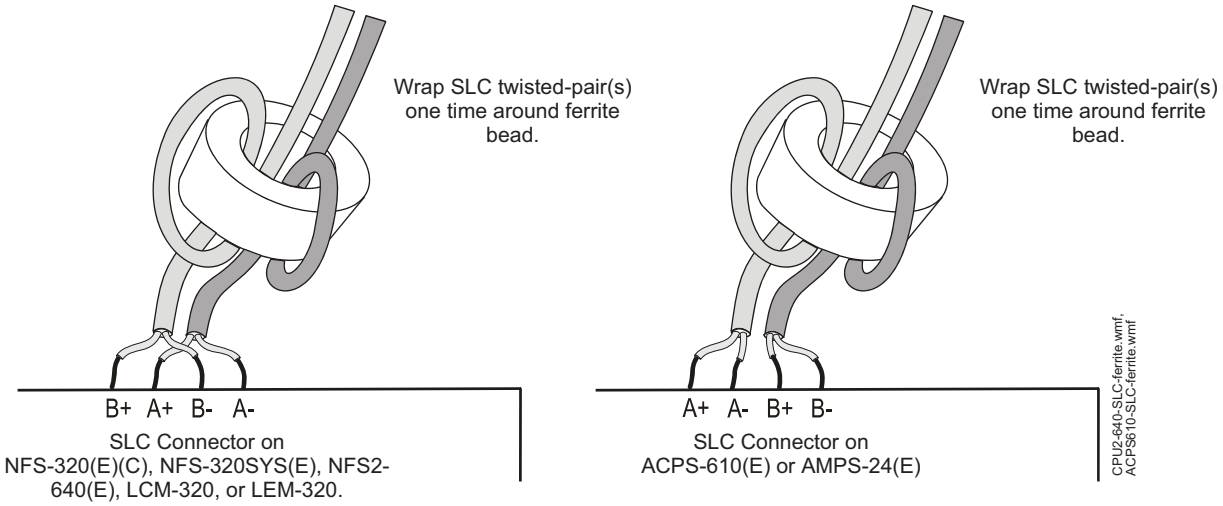


NAC Connectors on Protected ACPS- 610(E) (TB3, TB4, TB5, TB6)



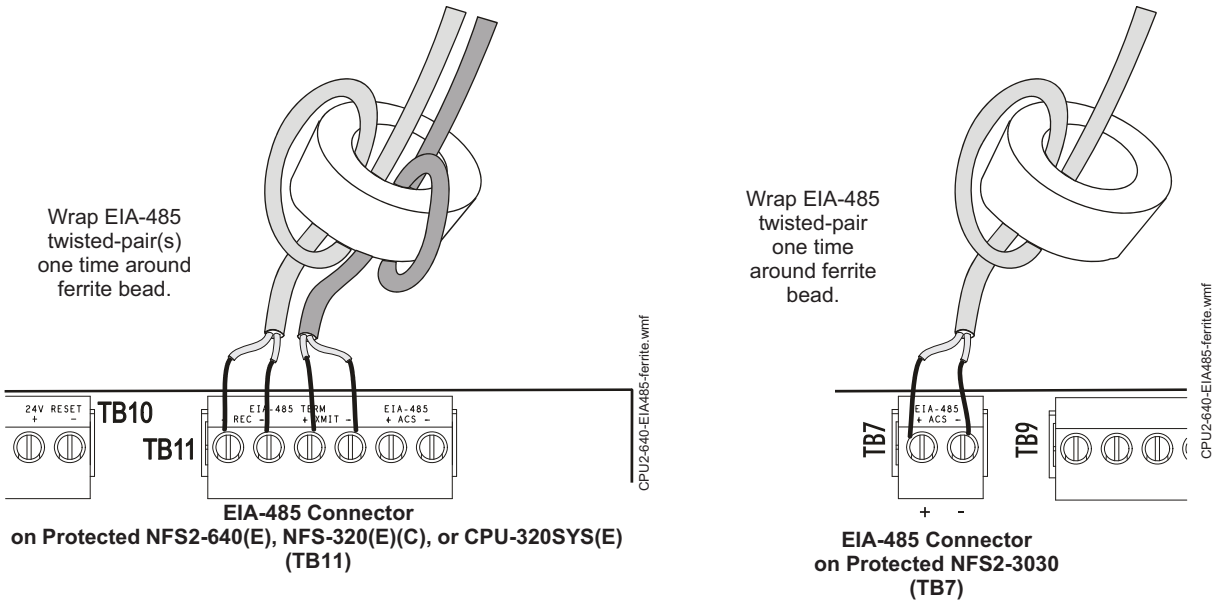
8.2 SLC Loops

Wrap a ferrite bead once with the SLC wires as shown below. Position the bead within the inner cabinet.



8.3 EIA-485 Circuits

For the marine-approved NFS2-3030 and variants of the NFS2-640(E), NFS-320(E)(C), or CPU-320SYS(E) only: For EIA-485 wires that leave the marine enclosure, wrap a ferrite bead once with the EIA-485 wires as shown below. Position the bead within the inner cabinet.



8.4 AC Power Line

Step 1. Bring the AC power cable in through the knockout created in the left wall of the outer cabinet, using an appropriate bushing.

Step 2. *NFS2-640(E) only:* Feed the three input-side wires through a ferrite bead.

Step 3. Twist the wires on the input side of the line filter, and connect to AC power wires with wire nuts.

Step 4. Twist the AC power wires and feed them through the knockout into the inner cabinet.

Step 5. Connect the AC power wires to Hot, Neutral, and Earth on the protected equipment's power supply.

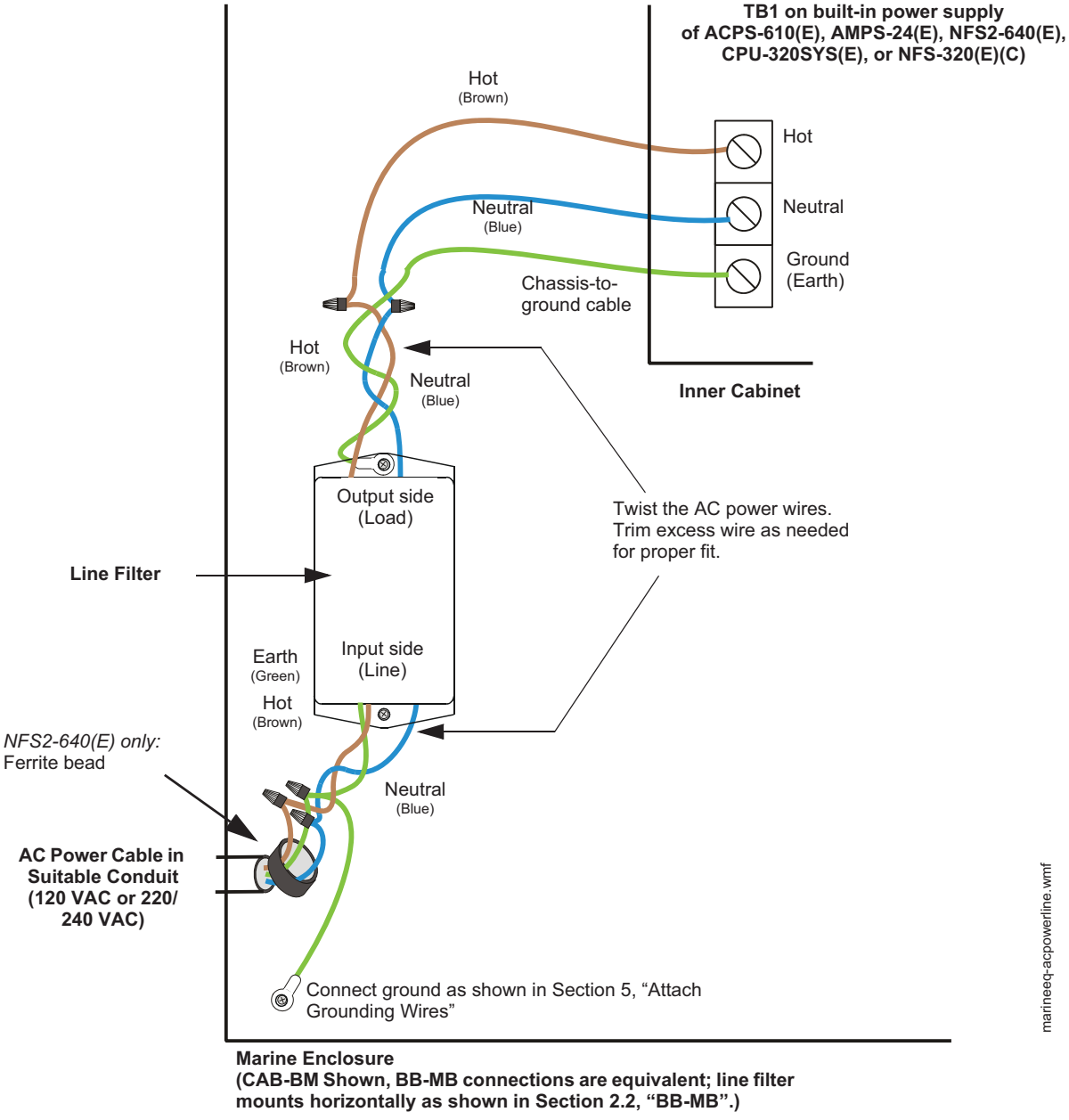


Figure 10 Ferrite Bead on AC Power Cable (CAB-BM Shown)

8.5 Network Connections

8.5.1 NOTI•FIRE•NET

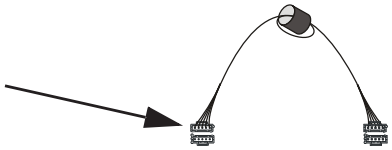
Two beads are required for typical wire NOTI•FIRE•NET connections:

1. One bead on the NUP harness between control panel and NCM/HS-NCM, or between the marine-approved NCA-2-M and NCM/HS-NCM. Use clamp-on bead from FB-KIT-1.
2. One bead on the network wire between NCM/HS-NCM and another NCM/HS-NCM, at the point where it exits the marine enclosure. Use bead from NOT-FILTER-KIT1 and FB-KIT-3.

NOTE: No ferrite bead is required between the control panel and a device that is mounted within the same cabinet unless specified in this document. No ferrite bead is required for fiber connections.

Between Control Panel and NCM/HS-NCM, or Between NCA-2-M and NCM/HS-NCM

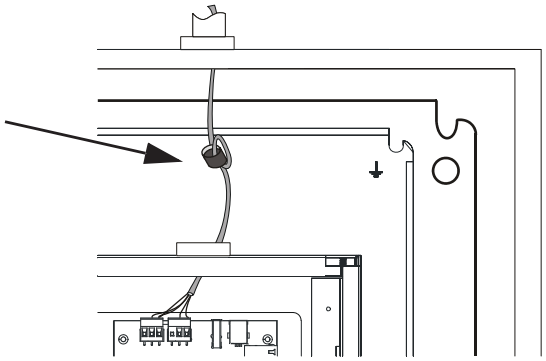
Attach clamp-on ferrite bead to the NUP harness between the control panel and its HS-NCM/NCM, or between the NCA-2-M and its HS-NCM/NCM. (Use bead from FB-KIT-1.)



MARINE-Nup.wmf

Between Nodes: HS-NCM-W, HS-NCM-WF

Attach ferrite bead where network wire leaves inner cabinet, before it leaves marine enclosure.
(Ships in NOT-FILTER-KIT1 and FB-KIT-3)

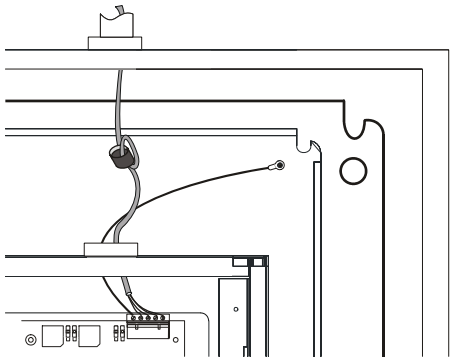


MARINE-HSNCM.wmf

Between Nodes: NCM-W

Attach standard ferrite bead where network wire leaves inner cabinet, before it leaves marine enclosure.
(Ships in NOT-FILTER-KIT1 and FB-KIT-3)

NOTE: Use marine-application ferrite bead instead of Ferrite Bead 29242 (shipped with NCM-W).



MARINE-NCM.wmf

8.5.2 Ethernet Connection

Use shielded Ethernet cable for marine applications. One bead (from FB-KIT-2) is required where Ethernet cable leaves marine enclosure. See Section 7.7, “MODBUS-GW Wire Routing, Ethernet, and Power Connections” for drawing.

9 Compatible Equipment

The following products comply with U.S. Coast Guard Standard 46 CFR 161.002 and Lloyd's Register Type Approval System (ENV3 category) when used with the MARINE-EQ and the NFS2-3030, as well as all variants of the NFS-320(E)(C), CPU-320SYS(E), or NFS2-640(E). This equipment is designed to comply with marine requirements of American Bureau of Shipping (ABS).

NOTE: "A" and "C" endings indicate ULC listed versions. Canadian models are not suitable for U.S. Coast Guard applications.

Fire Alarm Control Panels and Power Supplies

- NFS-320(E), NFS-320C, CPU-320SYS(E): Marine-listed English panel. (Non-English also available.)
- NFS2-640(E): Marine-listed English panel. (Non-English also available.)
- CPU2-3030D-M: Marine-listed English panel. (Non-English operation may be accomplished using the appropriate KP-KIT-XX Keypad Kit for alternate languaages.)
- AMPS-24(E).
- ACPS-610(E).

Network Modules

- NCA-2-M: Marine-listed English Network Annunciator. (Non-English operation may be accomplished using the appropriate KP-KIT-XX Keypad Kit for alternate languaages.)
- NCM-W: Network communications module, Wire.
- NCM-F: Network communications module, multi-mode fiber.
- HS-NCM-W: High-speed network communications module, wire.
- HS-NCM-MF: High-speed network communications module, multi-mode fiber.
- HS-NCM-SF: High-speed network communications module, single-mode fiber.
- HS-NCM-WMF: High-speed network communications module, wire/multi-mode fiber.
- HS-NCM-WSF: High-speed network communications module, wire/single-mode fiber.
- HS-NCM-MFSF: High-speed network communications module, multi-mode/ single mode fiber.
- MODBUS-GW: MODBUS Gateway.
- PNET-1: Surge protector required with MODBUS-GW.

MARINE-EQ Components

- CAB-BM: Marine cabinet.
- BB-MB: Marine battery box for AMPS-24(E) and batteries 100 AH or larger.
- BHKIT-BB-MB: Battery holder kit for BB-MB, includes battery shelf, mounting bracket for AMPS-24(E), and battery straps.
- PL-BM: Replacement mounting plate.
- NOT-FILTER-KIT1: EMI filter, ferrite beads, and mounting hardware for marine use of NFS2-640(E)/NFS-320(E)(C)/NFS-320SYS(E) and NFS2-3030..
- FB-KIT-1: Ferrite bead for use on NUP connections.
- FB-KIT-2: Ferrite bead for use with MODBUS-GW Ethernet connections.
- FB-KIT-3: Ferrite bead for use with additional NUP, SLC, 24V power, EIA-485 connections.

Cabinets and Mounting Hardware

- ADP-4B: Annunciator dress panel.
- BMP-1: Blank module plate.
- BP2-4: Battery dress plate.
- CAB-B4: B-sized cabinet. Order as SBB-B4 backbox and DR-B4 door, lock, and keys, black.
- CAB-PS1: ACPS-610 stand-alone cabinet.
- CHS-4: Chassis.
- CHS-4L: Chassis, low- profile.
- CHS-6: Chassis mounts XP-6 modules in CAB-B4.
- CHS-M3: Chassis for NCA-2-M.
- DP-1B: Blank dress panel.
- DP-DISP: Display dress panel for NFS2-3030.
- DP-DISP2: Display dress panel for NFS2-640 .

Seismic Mounting Kits

- SEISKIT-CAB: Required with CAB-B4.
- SEISKIT-320/B26: Required with NFS-320(E)(C) backbox.
- SEISKIT-PS/2/4: Required with CAB-PS1.
- *BHKIT-BB-MB: listed under "MARINE-EQ Components".*

Control Panel Peripherals

- ACM-24AT: Annunciator control module.
- ACM-48A: Annunciator control module.
- AEM-24AT: Annunciator expander module.
- AEM-48A: Annunciator expander module.
- BAT-12120: Battery 12 volt 12 AH. (Order BAT-12120BP, bulk pack of four.)
- BAT-12180: Battery 12 volt 18 AH. (Order BAT-12180BP, bulk pack of two.)
- BAT-12260: Battery 12 volt 26 AH. (Order BAT-12260BP, bulk pack of two.)
- BAT-121000: Battery, 12 volt, 100 AH.
- KDM-R2: Keypad/Display Unit (NFS2-640(E)).
- LCD2-80: Liquid crystal display annunciator, 80-character display.
- LCM-320: Loop control module.
- LEM-320: Loop expander module.

Keypad Kits for Language Conversion

- KP-KIT-FR: Keypad Kit, French
- KP-KIT-HE: Keypad Kit, Hebrew
- KP-KIT-KO: Keypad Kit, Korean
- KP-KIT-PO: Keypad Kit, Portuguese
- KP-KIT-SC: Keypad Kit, Simplified Chinese
- KP-KIT-SP: Keypad Kit, Spanish
- KP-KIT-TC: Keypad Kit, Traditional Chinese
- KP-KIT-TH: Keypad Kit, Thai

All Other Devices

Note: "A" part numbers indicate ULC-listed models.

- 1451(A): Smoke detector.
- 2151(A): Smoke detector.
- 2W-B: 2-wire conventional smoke detector.
- 4W-B: 4-wire conventional smoke detector.
- 4WT-B: 4-wire conventional smoke detector.
- B200S: Base.
- B200SR: Base.
- B224BI(A): Intelligent isolator base.
- B224RB(A): Intelligent relay base.
- B401(A): Base.
- B501(A): Intelligent detector base.
- B210LP(A)/B710LP(A): Low profile detector base.
- BBS-2(A): Backbox skirt, wall, red.
- BBSC-2(A): Backbox skirt, ceiling, red.
- BBSCW-2(A): Backbox skirt, ceiling, white.
- BBSW-2(A): Backbox skirt, wall, white.
- CHR(A): Chime, red.
- CHSR(A): Chime/strobe, red.
- CHSW(A): Chime/strobe, white.
- CHW(A): Chime, white.
- DNR(A): Intelligent duct detector.
- DNRW: Intelligent, watertight duct detector, NEMA-4.
- EOLR-1: EOL for 4-wire smoke detectors.
- FAPT-851(A): Acclimate Plus.
- FCM-1(A): Addressable control module.
- FCM-1-REL(A): Releasing control module.
- FDM-1(A): Dual monitor module.
- FMM-1(A): Addressable monitor module.
- FMM-101(A): Addressable mini monitor module.
- FRM-1(A): Addressable relay module.
- FMM-4-20(A): Module for monitoring 4 to 20 mA sensors.
- FDRM-1(A): Flashscan dual relay/ monitor module.
- FCO-851(A): IntelliQuad PLUS multi-criteria fire and CO detector.
- FSI-851(A): Addressable ion detector.
- FSP-851(A): Addressable photo detector.
- FSP-851R(A): Addressable photo detector/remote test capable; used with DNRW.
- FSP-851T(A): Addressable photo/ thermal detector.
- FST-851(A): Addressable thermal detector.

- FST-851H(A): Addressable high heat detector.
- FST-851R(A): Addressable heat detector with rate of rise.
- FZM-1(A): Addressable zone monitor module.
- HR(A): Horn, red.
- HRK(A): Horn, red, outdoors.
- HW(A): Horn, white.
- ISO-X(A): Loop fault isolator module.
- NBG-12LO: Addressable pull station, dual action, Notifier key lock, outdoor.
- NBG-12LOB: Same as NBG-LO, includes weather-proof box.
- NBG-12LR: Agent release pull station.
- NBG-12LRA: Agent release-abort station.
- NBG-12LX: Addressable pull station, dual action, Notifier key lock.
- NBG-12LXSP: Addressable pull station, dual action, Notifier key lock, Spanish.
- P2R(A): Standard candela, red.
- P2RH(A): High candela, red.
- P2RHK(A): High candela, red, outdoor.
- P2RH-P: High candela, red, plain (No lettering).
- P2RK(A): Standard candela, red outdoor, includes backbox.
- P2RK-R: Standard candela, red outdoor, does not include backbox.
- P2R-P: Standard candela, red, plain (No lettering).
- P2R-SP: Standard candela, red, fuego.
- P2W(A): Standard candela, white.
- P2WH(A): High candela, white.
- P2WH-P: High candela, white, plain (no lettering).
- P2W-P: Standard candela, white, plain (no lettering).
- P4R(A): 4-wire horn/strobe, standard candela, red.
- P4RH(A): 4-wire horn/strobe, high candela, red.
- P4RHK(A): 4-wire horn/strobe, high candela, red, outdoor.
- P4RK(A): 4-wire horn/strobe, standard candela, red, outdoor.
- P4W(A): 4-wire horn/strobe, standard candela, white.
- P4WH(A): 4-wire horn/strobe, standard candela, white, outdoor.
- PC2R: Standard candela, red.
- PC2RH: High candela, red.
- PC2RHK(A): High candela, red, outdoor.
- PC2RK(A): Standard candela, red, outdoor.
- PC2W(A): Standard candela, white.
- PC2WH(A): High candela, white.
- PC4R: 4-wire standard candela, red.
- PC4RH: 4-wire high candela, red.
- PC4RK(A): 4-wire standard candela, red, outdoor.
- PC4W(A): 4-wire standard candela, white.
- PC4WH(A): 4-wire high candela, white.
- R-120: 120 Ohm end of line resistor.
- R-2.2K: 2.2K Ohm end of line resistor.
- R-27K: 27K Ohm end of line resistor.
- R-47K: 47K Ohm end of line resistor.
- REL-47K.
- SA-WBB(A): Weatherproof backbox, wall.
- SA-WBBC(A): Weatherproof backbox, ceiling.
- SA-WBBCW: Mounting box.
- SA-WBBW: Mounting box.
- SB-10: Surface backbox for all NBG-12 series pull stations.
- SBA-10: Mounting box for NBG-12LRA.
- SB-I/O: Indoor/outdoor backbox.
- SCR: Strobe, standard candela, red.
- SCRH: Strobe, high candela, red.
- SCRHK(A): Strobe, high candela, red, outdoor.
- SCRK(A): Strobe, standard candela, red, outdoor.
- SCW(A): Strobe, standard candela, white.
- SCWH(A): Strobe, high candela, white.
- SR(A): Standard candela, red.
- SRH(A): High candela, red.
- SRHK(A): High candela, red outdoor.
- SRK(A): Standard candela, red, outdoor.
- SSM24-6: 6 inch bell.
- SSM24-10: 10 inch bell.
- SW(A): Standard candela, white.
- SWH(A): High candela, white.
- XP10-M(A): Ten Input monitor module.
- XP6-C(A): Supervised control module.
- XP6-MA(A): Six zone interface module.
- XP6-R(A): Six relay control module.
- XNX-UTAE-RNNNN: Gas detector assembly, hydrogen sulfide.
- XNX-UTAV-RNIF1: Gas detector assembly, propane.
- XNX-UTAV-RNCB1: Gas detector assembly, methane.