Expanded-capacity, environmentally-protected OSP closures designed to house copper, fiber and CATV equipment

Amphenol
BEAD
BABAA
COMPLIANT

Charles Multi-Purpose Housings (CMPH) are versatile OSP closures designed for both new provisioning installations as well as rehabilitation of existing access points house in metallic enclosures. The CMPH's superior structural strength, outstanding environmental protection and ease of installation combine to create a long-life housing that reduces operational expenses.

The CMPH assembly features a lift-off dome and corrugated channel base. The lift-off dome allows 360° access to internal working areas with access via recessed hex head lock(s) using a 216 Tool or Can Wrench. The dome provides "bell jar" flood protection, eliminates intrusion of wind-blown rain and dust, and prevents unauthorized entry. The base provides ample room for entry of multiple large cables, including conduit. A spacious bottom entry allows technicians to easily slide the base over existing large cable rehabilitation applications.

CMPH enclosures are available with multiple internal bracket configurations for copper, fiber, and copper/fiber installations, as well as empty (no bracket) and custom bracket configurations for unique deployment situations. Ground and bonding hardware is included.

Charles Multi-Purpose Housings

FEATURES
- BEAD/BABAA compliant product
- Structurally rugged, non-metallic outer housing construction offers dent resistance, corrosion protection, electric shock safety and positive alignment in opening and closing
- A corrugated channel base design provides secure footing in all in-plant installations, allows installation with or without the use of mounting stakes, and prevents frost heave
- In rehabilitation installations, existing stakes can be utilized for placement
- The one-piece dome (two-piece on 8500 series) locks securely onto the base creating a "bell-jar" effect that protects internal components in flood-prone areas
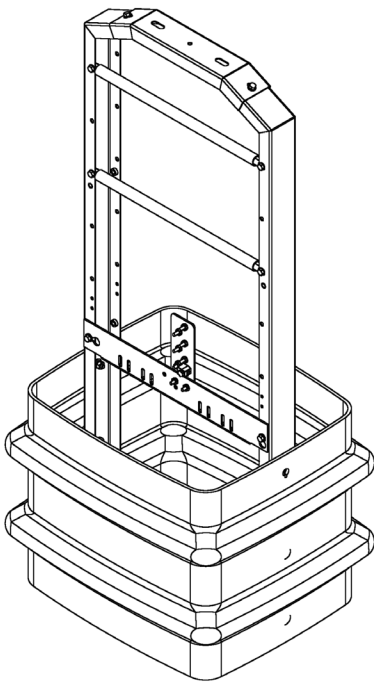- The lift-off dome provides full 360˚ access to internal splicing area

APPLICATIONS
- New installations
- Rehabilitation of metallic OSP closures
- Fiber optic splice closure protection
- Cable slack storage
- Cell site deployments

16.795
30.705
43.464
32.000
14.214
16.859
19.065

14.222
14.341
16.547
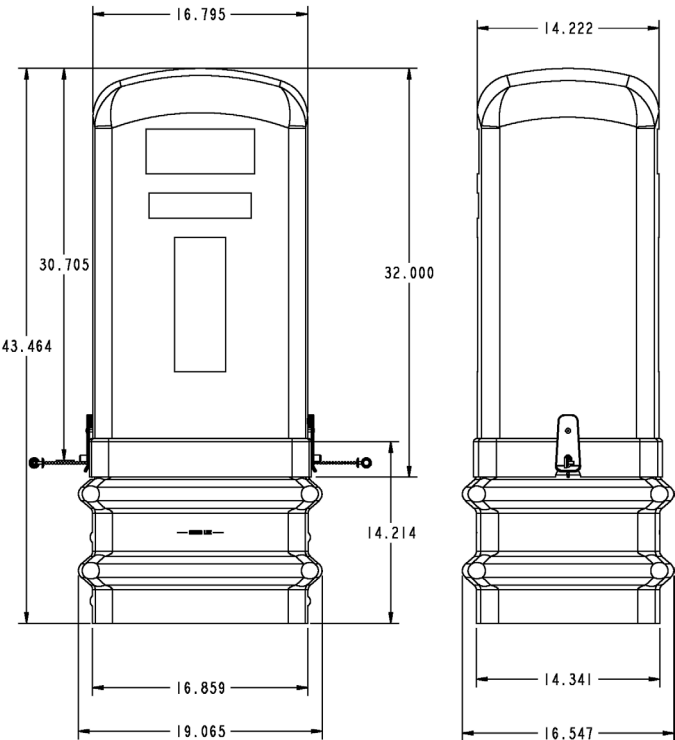
Usable Splice Volume (Approx.): 7,400 cu. in.

CMPH-4500N Copper Configuration
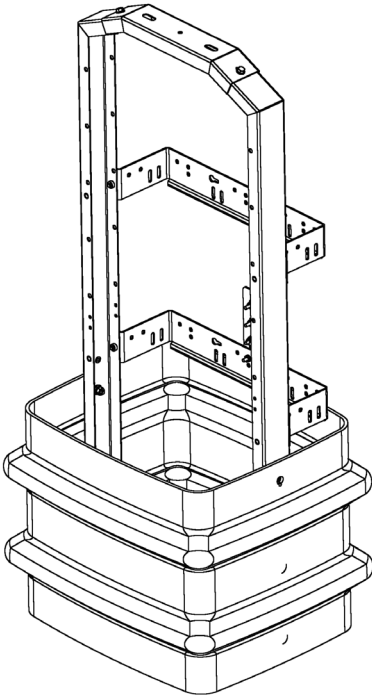
CMPH-450FN Fiber Configuration

Charles
an **Amphenol** company
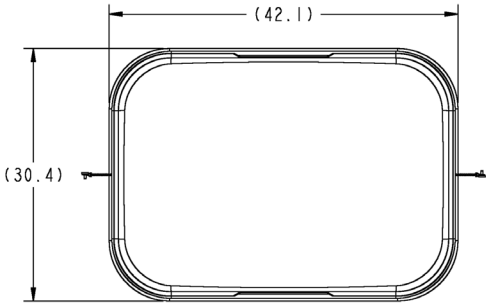
CMPH 9500 Series - Extended Height 3-Piece Assembly

CMPH-950DFNCU

(42.1)

(30.4)

57.6 OVERALL

49.4 GROUND LINE

(27.4) TOP SECTION

(18.0) MID SECTION

42.1 OVERALL

30.4 OVERALL
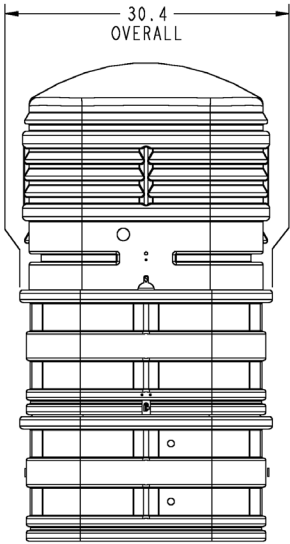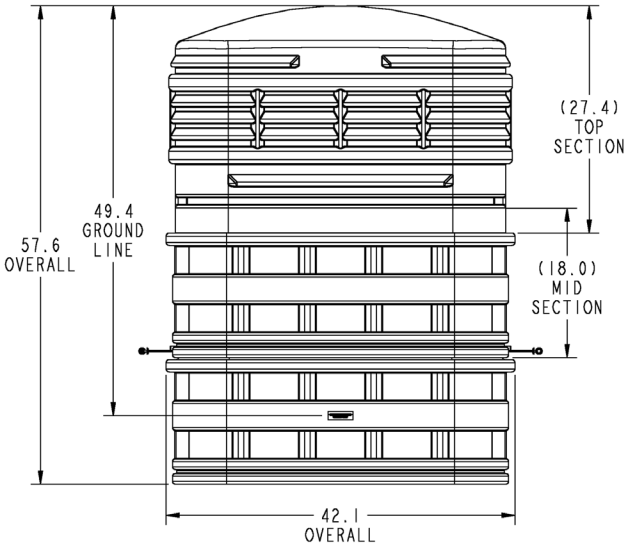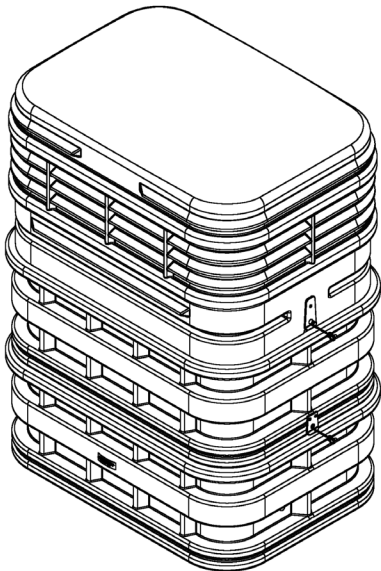
CMPH Field Installations

CMPH-9500N
Usable Splice Volume (Approx.): 30,500 cu. in.
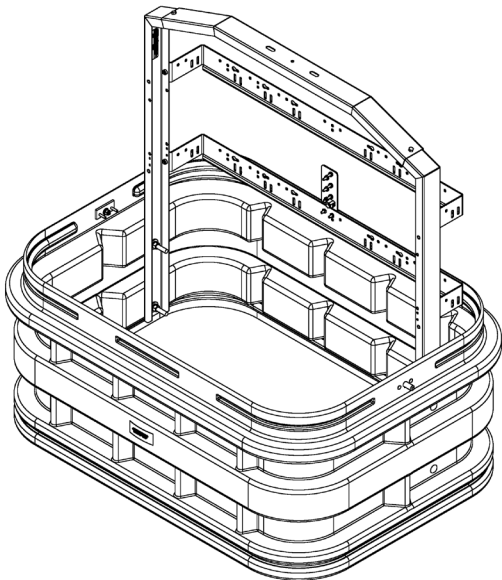
CMPH-950FN
Fiber Configuration

CMPH-950DFNCU Copper/Fiber Configuration
(Special 3-piece assembly, 58" Tall, 43,000 cu. in. volume)
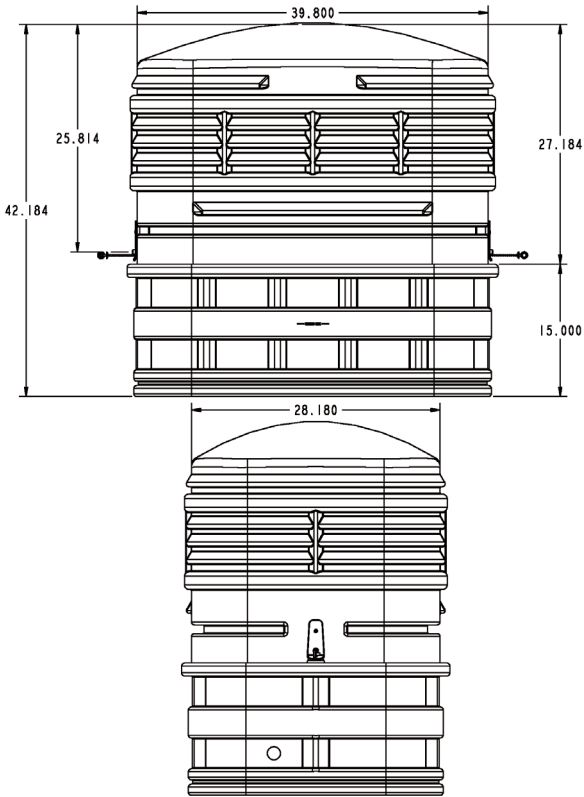
Copper Side

Fiber Side

D-OSP127-I24

charlesindustries.com

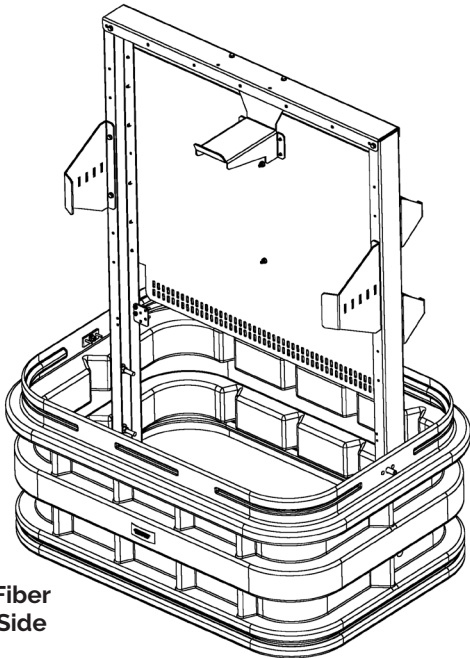# Product Outline Dimensions - CMPH 5500 Series

All dimensions are in inches
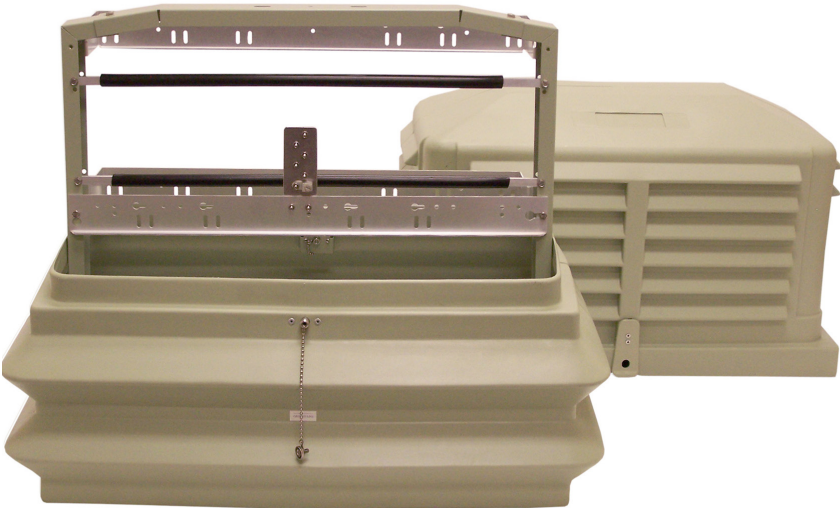
Usable Splice Volume (Approx.): 10,500 cu. in.

31.508
8.500
29.827
19.500
12.437
31.000
35.315

18.860
17.400
21.715
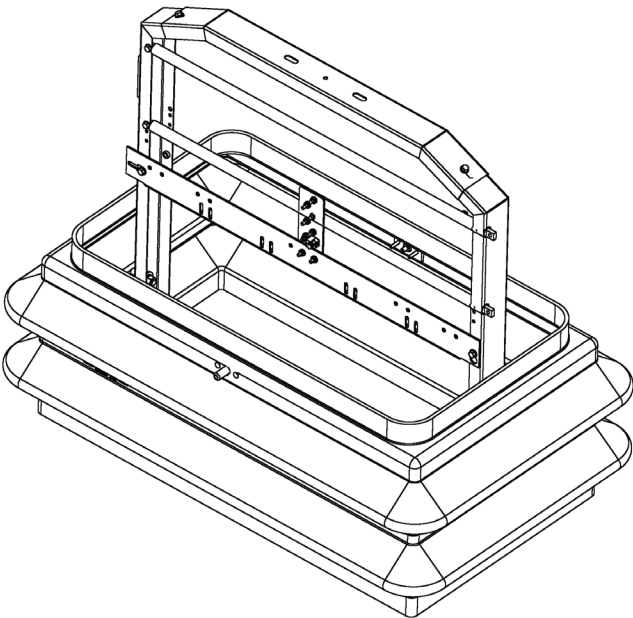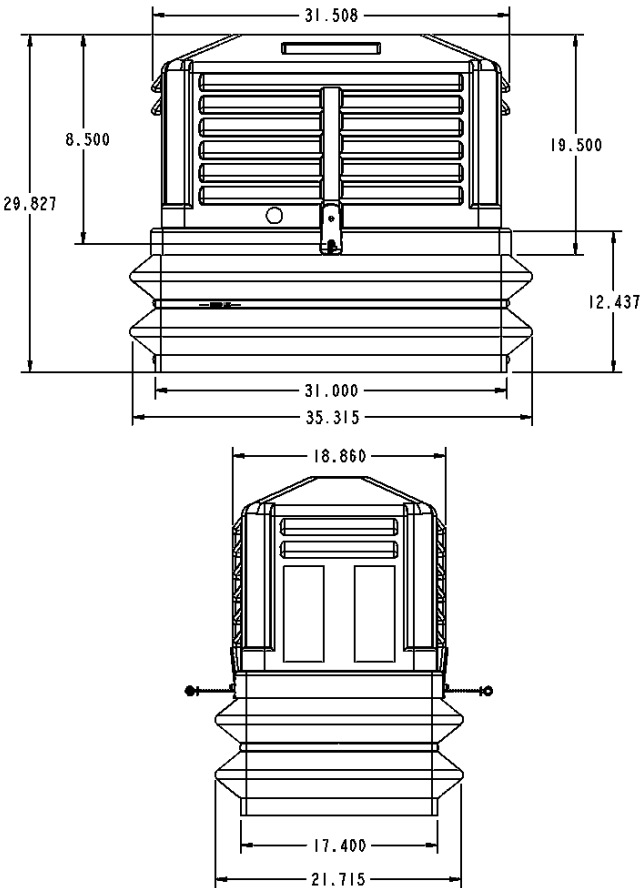
CMPH-5500N Copper Configuration

CMPH-550FN Fiber Configuration

Product Outline Dimensions - CMPH 7500 Series

All dimensions are in inches

26.2

34.5

48.4

13.9

29.5

14.0

17.0

Usable Splice Volume (Approx.): 13,000 cu. in.

**CMPH-7500SN Copper
Configuration**

**CMPH-750SFN
Fiber Configuration**

**CMPH-750SFNCU
Copper/Fiber Configuration**

charlesindustries.com

Charles
an **Amphenol** company

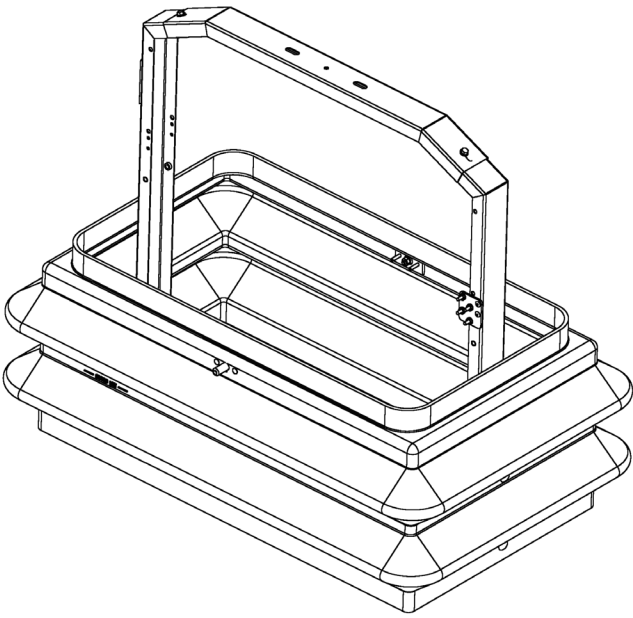# Product Outline Dimensions - CMPH 8500 Series

All dimensions are in inches

Usable Splice Volume (Approx.): 27,000 cu. in.

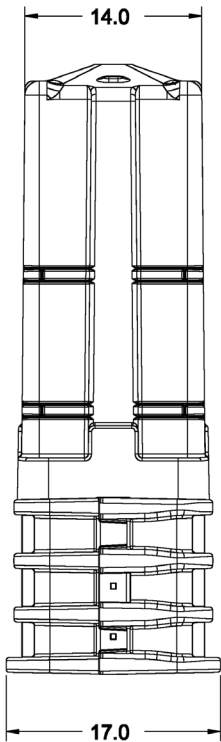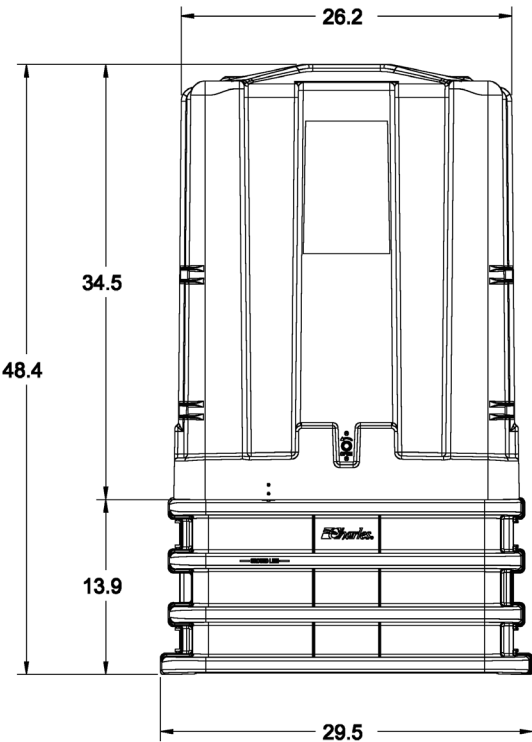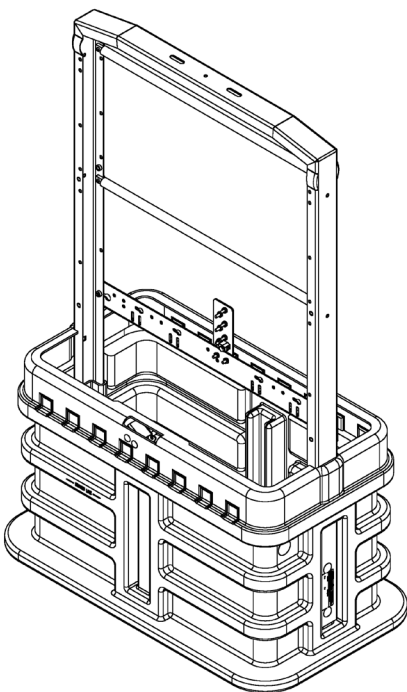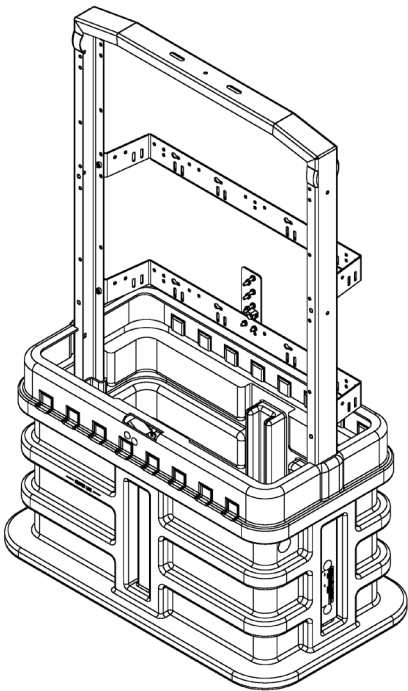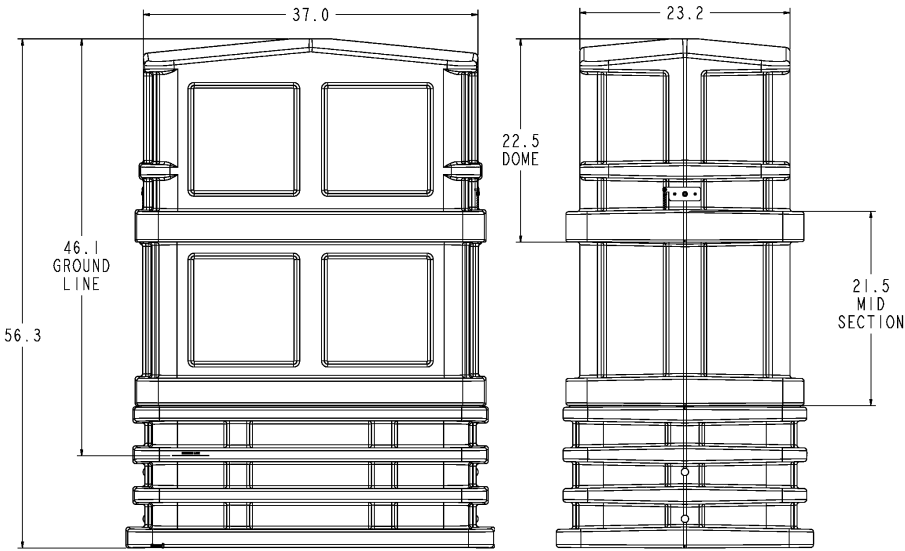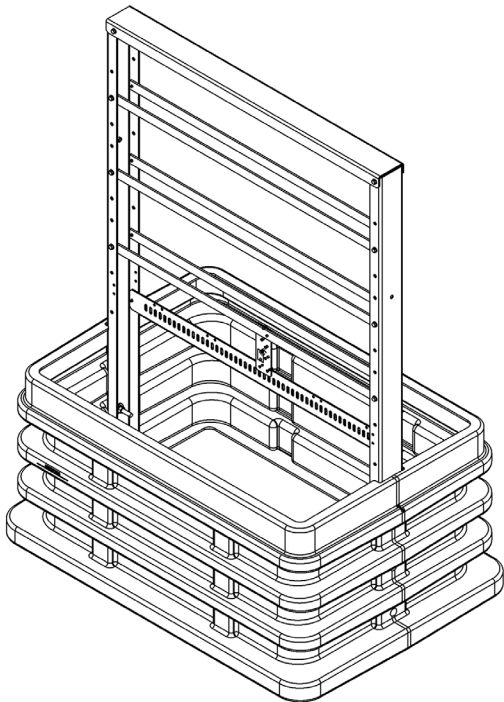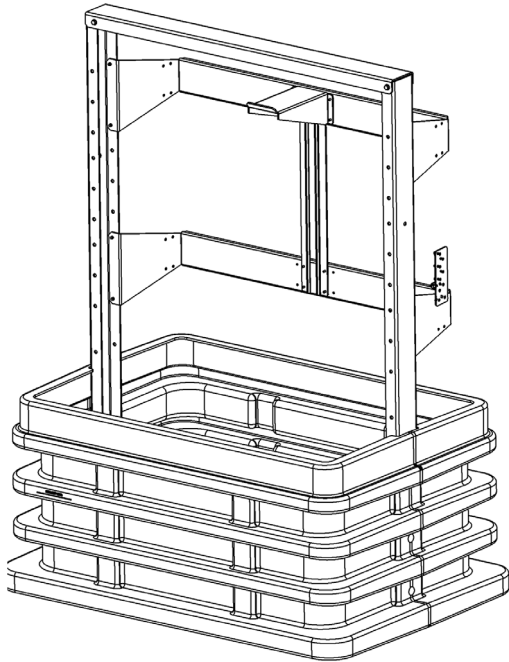**CMPH-8500N Copper Configuration**

CMPH-850FN Fiber Configuration

Ordering Information

Description	Copper Configuration	Fiber Configuration	Copper/Fiber Configuration
4500 Series			
Without mounting stakes	CMPH-4500N	CMPH-450FN	N/A
With two 30" universal mounting stakes	CMPH-4510N	CMPH-451FN	N/A
With two 36" universal mounting stakes	CMPH-4520N	CMPH-452FN	N/A
With two 42" universal mounting stakes	CMPH-4530N	CMPH-453FN	N/A
5500 Series			
Without mounting stakes	CMPH-5500N	CMPH-550FN	N/A
With two 30" universal mounting stakes	CMPH-5510N	CMPH-551FN	N/A
With two 36" universal mounting stakes	CMPH-5520N	CMPH-552FN	N/A
With two 42" universal mounting stakes	CMPH-5530N	CMPH-553FN	N/A
7500 Series			
Without mounting stakes	CMPH-7500SN	CMPH-750SFN	CMPH-750SFNCU
With two 30" universal mounting stakes	CMPH-7510SN	CMPH-751SFN	CMPH-751SFNCU
With two 36" universal mounting stakes	CMPH-7520SN	CMPH-752SFN	CMPH-752SFNCU
With two 42" universal mounting stakes	CMPH-7530SN	CMPH-753SFN	CMPH-753SFNCU
8500 Series			
Without mounting stakes	CMPH-8500N	CMPH-850FN	N/A
With two 30" universal mounting stakes	CMPH-8510N	CMPH-851FN	N/A
With two 36" universal mounting stakes	CMPH-8520N	CMPH-852FN	N/A
With two 42" universal mounting stakes	CMPH-8530N	CMPH-853FN	N/A
9500 Series			
Without mounting stakes	CMPH-9500N*	CMPH-950FN	CMPH-950DFNCU
With two 30" universal mounting stakes	CMPH-9510N*	CMPH-951FN	CMPH-951DFNCU
With two 36" universal mounting stakes	CMPH-9520N*	CMPH-952FN	CMPH-952DFNCU
With two 42" universal mounting stakes	CMPH-9530N*	CMPH-953FN	CMPH-953DFNCU

*Empty (No Internal Brackets) Configuration

CMPH ACCESSORIES

Description	Part #
30" universal mounting stake	UMS30-STD (min. order qty. of 10)
36" universal mounting stake	UMS36-STD (min. order qty. of 10)
42" universal mounting stake	UMS42-STD (min. order qty. of 10)

Looking for other BABA compliant products for BEAD funded projects? Please inquire with us for more information.

Charles Industries, LLC
An Amphenol Company
1450 American Lane, 20th Floor, Schaumburg, IL 60173

✉ mktserv@charlesindustries.com
📞 (847) 806-6300