

blink<sup>®</sup>

## INSTALLATION MANUAL

### Series 7, 7+, 8,8+

Version 2.3



PD2 - II - 07

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## SAFETY AND COMPLIANCE

This document provides instructions to install the Blink Charging Station and should not be used for any other products. This product must be installed in accordance with the National Electrical Code (NEC), the Canadian Electrical Code (CEC) or any applicable local code.

Review this manual and consult a licensed contractor and/or electrician before installation to ensure compliance with local building practices, climate conditions, safety standards, and state and local codes.

The Blink Charging Station should be installed by a licensed contractor/ electrician and inspected by a qualified installer prior to initial use. Under no circumstances will compliance with the information in this manual relieve the user of responsibility to comply with all applicable codes and safety standards.

This document describes the most common installation and mounting methods. Contact Blink where it is not possible to perform an installation using the procedures provided in this document.

Blink is not responsible for damages that may occur or result from installations that are not described in this document. This document is not offered as a formal design document. All designs for the installation of this product are the sole responsibility of the appropriately licensed and/or certified installing contractor.

The following signs are used throughout the installation manual following ANSI Z535 Standard

Sign	Intended Use
<b>DANGER</b>	Situation will result in serious injury or death
<b>WARNING</b>	Situation could result in serious injury or death
<b>CAUTION</b>	Situation could result moderate or minor injury
<b>NOTICE</b>	Injuries Situations that at worst will only result in property damage and will not result in physical

### **DANGER**

**Note: Make sure to TURN OFF all breakers before doing any electrical work!**

#### General

The Blink Station is grounded through a dedicated conductor to the ground connection at the power distribution panel. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

### **CAUTION**

The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.



## Statements

Reasonable effort has been made to ensure that the specifications and other information in this manual are accurate and complete at the time publication. However, specifications and other information in this manual are subject to change at any time without prior notice.

### NOTICE

Use of the Blink Charging Station in a manner not intended or any modification not approved by the manufacturer will void the limited warranty. Other than the limited product warranty provided by Blink, this manual and the Blink products are provided "AS IS," and Blink expressly disclaim all implied warranties, including any warranty of design, merchantability, and fitness for a particular purposes and non-infringement, to the maximum extent permitted by law.

### NOTICE

IN NO EVENT SHALL BLINK OR ITS AUTHORIZED DISTRIBUTORS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST DATA, LOSS OF USE, COST OF COVER, OR LOSS OR DAMAGE TO THE BLINK CHARGING STATION ARISING OUT OF OR RELATING TO THE USE OR INABILITY TO USE THIS MANUAL, OR RELATED PRODUCT, EVEN IF BLINK OR ITS AUTHORIZED DISTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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## PRODUCT SPECIFICATION

ELECTRICAL SPECIFICATION – AC OUTPUT	
Number of Ports	Two
Current	Configurable up to 80A
Power	Up to 19.2 kW
Energy Metering Accuracy	+/- 1 %
Charging Connector	J1772
ELECTRICAL SPECIFICATION – AC INPUT	
Input Connector	Hardwired
Voltage	208/240VAC
Service Panel Breaker	2x 100A max (depending on output configuration)
Power Connection	Line 1, Line 2, and Ground (no Neutral) per port
Standby Power	3.46 W per port
SAFETY SPECIFICATION	
Ground Fault Circuit Interrupt	20mA CCID with auto-retry
Automatic Plug- Out Detection	Power terminated per SAE J1772 spec
Surge Protection	6kV @ 3,000A
FUNCTIONAL SPECIFICATION	
Connectivity	Cellular 4G LTE
Backend Protocol	OCPP 1.6J compliant
Remote Management	Remote access, diagnostics, Over-the-Air (OTA) software update enabled
Load Management	Smart, dynamic allocation and distribution of power to each port
USER INTERACTION SPECIFICATION	
Charging Status Indicator	High-visibility, multi-color visual status indication
Display	Series 7: 4-line LCD, 20 characters per line Series 8: 4.3" color LCD screen, 480x272
Authentication	RFID: ISO14443 Type A & B, MiFare, Felica, ISO15693 NFC: Apple VAS, NEMA, Google Smart Tap
Payment	RFID card, Mobile app Optional: Apple/Google Pay, Contactless/Magnetic/EMV Credit Card (Series 8 only)
ENVIRONMENTAL SPECIFICATION	
Enclosure	Aluminum, UL Type 3R
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30 degrees C to +50 degrees C
Operating Altitude	<=6560 ft
REGULATION	
Safety	UL 2594 / CSA C22.2 No. 280-16, UL 2231-1 / CSA C22.2 No. 281.1-12, UL 2231-2 / CSA C22.2 No. 281.2-12 certified
EMI	FCC Part 15 Class A Compliant
Energy Efficiency	Energy Star Certified
Compliance	California Type Evaluation Program (CTEP) certified
Accessibility	ADA Compliant

## SYSTEM REQUIREMENTS

### General Requirements

#### ⚠️ WARNING

**Blink EV charging stations require a solidly grounded electrical system with the presence of a main bonding jumper or system bonding jumper. Ungrounded sources or impedance grounded sources of any type (resistor/reactor) are not suitable for Blink EV charging stations.**

**Blink EV charging stations require 240 volt (phase to phase) or 208 volt (phase to phase) input with an equipment grounding conductor. A grounded conductor (neutral conductor) is not required. All breakers must be non-GFCI breakers unless required by local code.**

Connect the Charging Stations to any one of the power sources below:

1. 240 VAC three phase, Delta system, Center tap grounded
2. 208 VAC three phase, Wye system, Bonded neutral
3. 240 VAC single phase, Bonded neutral

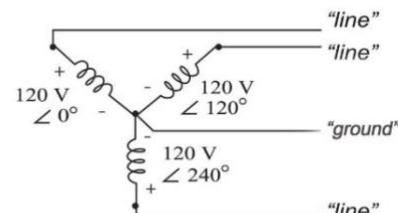
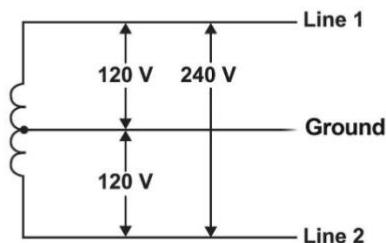
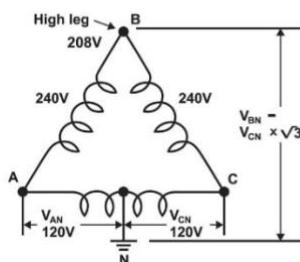


Fig. 9 – Acceptable transformer configurations

In a Wye system, connect the charging stations to any of the two lines. Do not use the system if it has a floating ground.

In a Delta system, connect the charging station only to a center-tapped grounded transformer as shown above. Connect the station to the side of the transformer where ground is bonded (Line A and Line C in the example above). This allows voltages to remain constant regardless of other loads on the system.

Please do not connect to other types of Delta transformers, as indicated below.

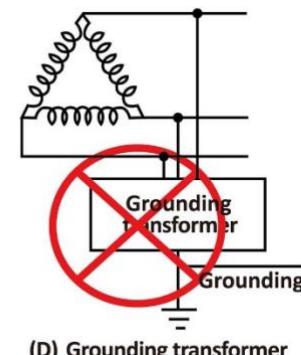
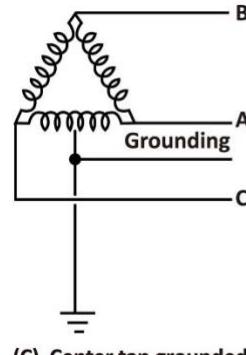
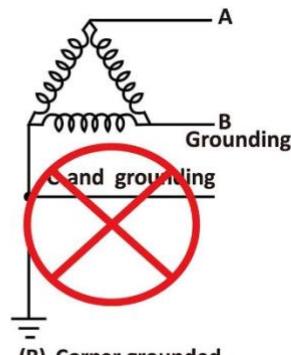
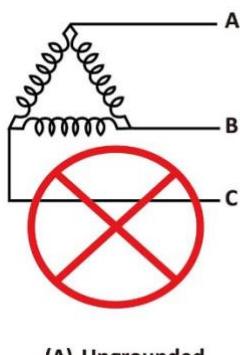


Fig. 10 – Unacceptable Delta transformer configurations

Anchoring detail is the responsibility of others. Anchoring must be capable of minimum weight and height in accordance with the provided table. Any seismic, wind-loading and/or snow-loading considerations increasing weights or wind-profile of unit will be the responsibility of others.

	WEIGHT (LBS)	HEIGHT (INCHES)
<b>SERIES 7 - 18' OUTPUT CABLES</b>	<b>36</b>	<b>20.5</b>
<b>SERIES 7 - 25' OUTPUT CABLES</b>	<b>41</b>	<b>20.5</b>
<b>SERIES 8 - 18' OUTPUT CABLES</b>	<b>36</b>	<b>24</b>
<b>SERIES 8 - 25' OUTPUT CABLES</b>	<b>41</b>	<b>24</b>
<b>SERIES 7+ - 18' OUTPUT CABLES</b>	<b>36</b>	<b>20.5</b>
<b>SERIES 7+ - 25' OUTPUT CABLES</b>	<b>41</b>	<b>20.5</b>
<b>SERIES 8+ - 18' OUTPUT CABLES</b>	<b>36</b>	<b>24</b>
<b>SERIES 8+ - 25' OUTPUT CABLES</b>	<b>41</b>	<b>24</b>
<b>SERIES 7, 7+, 8, 8+ PEDESTAL</b>	<b>7.7</b>	<b>37.4</b>
<b>SERIES 7, 7+, 8, 8+ Wall Mount Bracket</b>	<b>7.7</b>	<b>18.1</b>
<b>SERIES 7, 8 CABLE MANAGEMENT SYSTEM</b>	<b>75.5</b>	<b>70.6</b>
<b>SERIES 7+, 8+ 80 CABLE MANAGEMENT SYSTEM</b>	<b>86.6</b>	<b>70.6</b>

## Electrical Requirements

### ⚠️WARNING

Each Blink EV charging station is listed and labeled through—Nationally Recognized Testing Laboratory compliance testing at the maximum or 'full rated' output. Each station is capable of continuous full rated output up to its labeled rating or modified default output configurations in accordance with the following tables:

#### SERIES 7+/8+ 80 AMP - DUAL SOURCE INPUT CONFIGURATION

240V or 208V DUAL SOURCE INPUT	SERIES 7+/8+ (80 AMPS)		
	TWO-POLE BREAKER SIZE	MODIFIED OUTPUT CONFIGURATION REQUIRED	AMPERAGE OUTPUT
	100A	NO	80A
	90A	YES	72A
	80A	YES	64A
	70A	YES	56A
	60A	YES	48A
	50A	YES	40A
	40A	YES	32A
	30A	YES	24A
	20A	YES	16A
	15A	YES	12A

#### SERIES 7/8 48 AMP - DUAL SOURCE INPUT CONFIGURATION

240V or 208V DUAL SOURCE INPUT	SERIES 7/8 (48 AMPS)		
	TWO-POLE BREAKER SIZE	MODIFIED OUTPUT CONFIGURATION REQUIRED	AMPERAGE OUTPUT
	60A	NO	48A
	50A	YES	40A
	40A	YES	32A
	30A	YES	24A
	20A	YES	16A
	15A	YES	12A

#### SERIES 7/8 30 AMP - DUAL SOURCE INPUT CONFIGURATION

240V or 208V DUAL SOURCE INPUT	SERIES 7/8 (30 AMPS)		
	TWO-POLE BREAKER SIZE	MODIFIED OUTPUT CONFIGURATION REQUIRED	AMPERAGE OUTPUT
	40A	NO	30A
	30A	YES	24A
	20A	YES	16A
	15A	YES	12A

SERIES 7+/8+ 80 AMP - SINGLE SOURCE INPUT CONFIGURATION

**MODIFIED OUTPUT CONFIGURATION OR LOAD MANAGEMENT REQUIRED**

240V or 208V SINGLE SOURCE INPUT	SERIES 7+/8+ (80 AMPS)		
	TWO-POLE BREAKER SIZE	MODIFIED OUTPUT CONFIGURATION OR LOAD MANAGEMENT REQUIRED	AMPERAGE OUTPUT
	100A	YES	80A
	90A	YES	72A
	80A	YES	64A
	70A	YES	56A
	60A	YES	48A
	50A	YES	40A
	40A	YES	32A
	30A	YES	24A
	20A	YES	16A
	15A	YES	12A

SERIES 7/8 48 AMP - SINGLE SOURCE INPUT CONFIGURATION

**MODIFIED OUTPUT CONFIGURATION OR LOAD MANAGEMENT REQUIRED**

240V or 208V SINGLE SOURCE INPUT	SERIES 7/8 (48 AMPS)		
	TWO-POLE BREAKER SIZE	MODIFIED OUTPUT CONFIGURATION OR LOAD MANAGEMENT REQUIRED	AMPERAGE OUTPUT
	60A	YES	48A
	50A	YES	40A
	40A	YES	32A
	30A	YES	24A
	20A	YES	16A
	15A	YES	12A

SERIES 7/8 30 AMP - SINGLE SOURCE INPUT CONFIGURATION

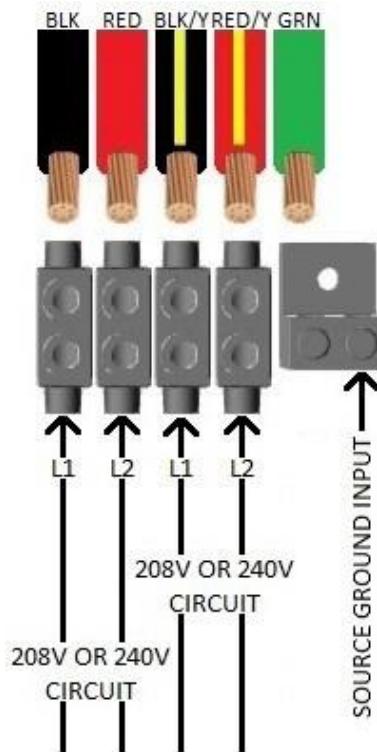
**MODIFIED OUTPUT CONFIGURATION OR LOAD MANAGEMENT REQUIRED**

240V or 208V SINGLE SOURCE INPUT	SERIES 7/8 (30 AMPS)		
	TWO-POLE BREAKER SIZE	MODIFIED OUTPUT CONFIGURATION OR LOAD MANAGEMENT REQUIRED	AMPERAGE OUTPUT
	40A	YES	30A
	30A	YES	24A
	20A	YES	16A
	15A	YES	12A

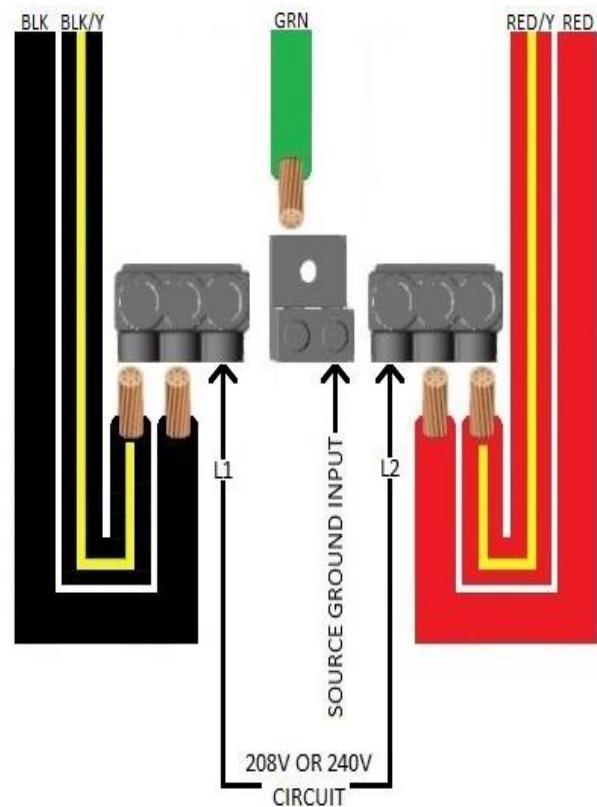
## Station Connection Diagrams

### ⚠️WARNING

#### DUAL SOURCE INPUT



#### SINGLE SOURCE INPUT



## Communication Requirements

Blink Series 7 and 8 charging stations require cellular connectivity to function properly. To ensure cellular connectivity, please reference the following cellular carriers and minimum operational signal requirements at each charging station location:

AT&T or TMobile	4G LTE	Band 2 Band 4 Band 5 Band 12 Band 13	RSRP: -95 dBm RSRQ: -13 dB
Verizon	4G LTE	Band 13 Band 4	RSRP: -95 dBm RSRQ: -13 dB

Stations are shipped with a SIM card for one of the above carriers. Client must verify signal levels for all carriers and notify Blink prior to order shipment if a specific carrier is required. For any other questions related to network connectivity, please contact [designservice@blinkcharging.com](mailto:designservice@blinkcharging.com) for assistance.

## Network Platform Requirements

### NOTICE

To enable modified output configurations or load management configurations, Blink must be notified during station Start-up/ enrollment. Failure to do so may result in nuisance breaker tripping and/or system damage. Refer to Start Up section of this manual for details.

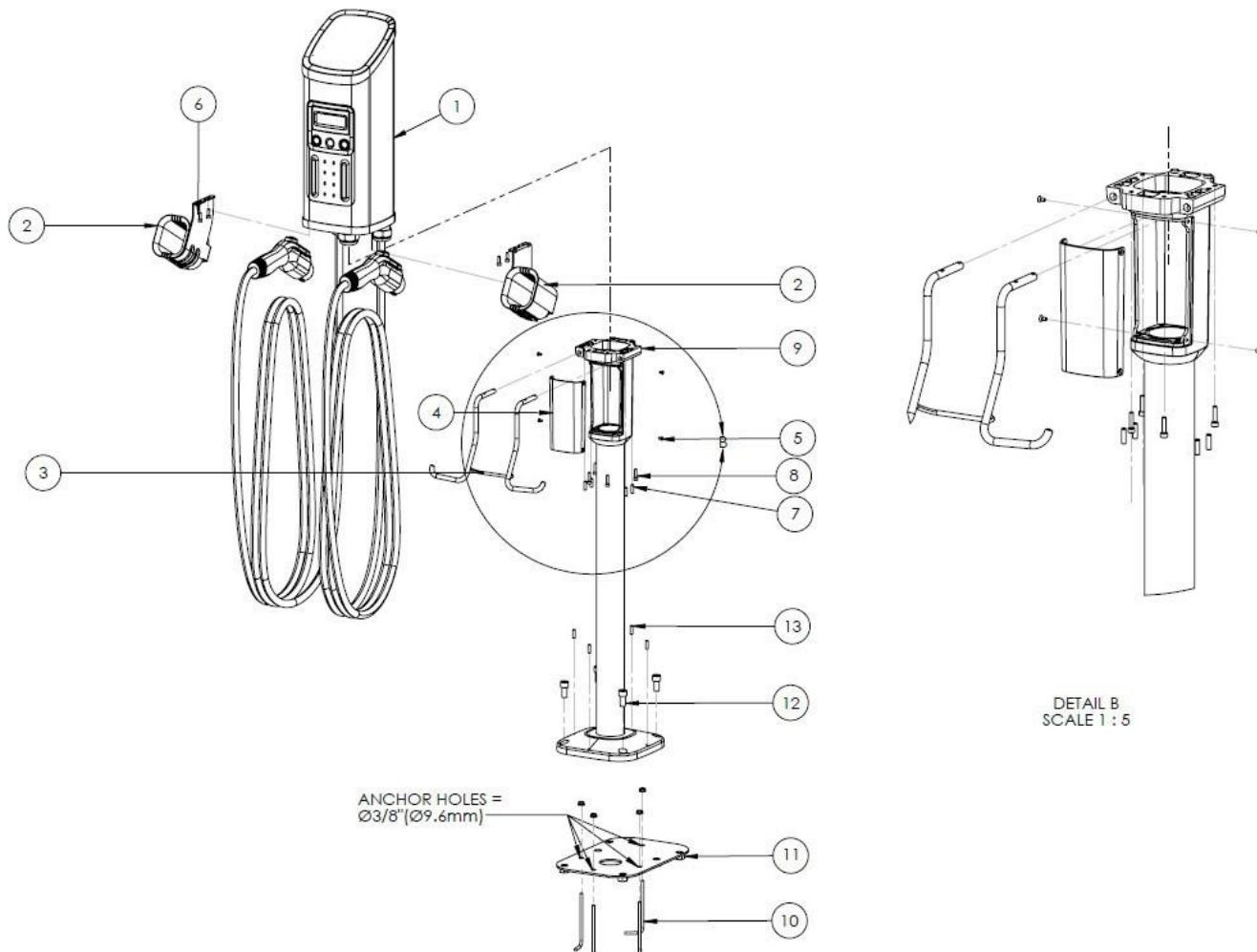
## HARDWARE INVENTORY SPECIFICATION AND INSTALLATION

### Pedestal Mount without Cable Management System (CMS)



**Series 7/7+**

**Series 8/8+**

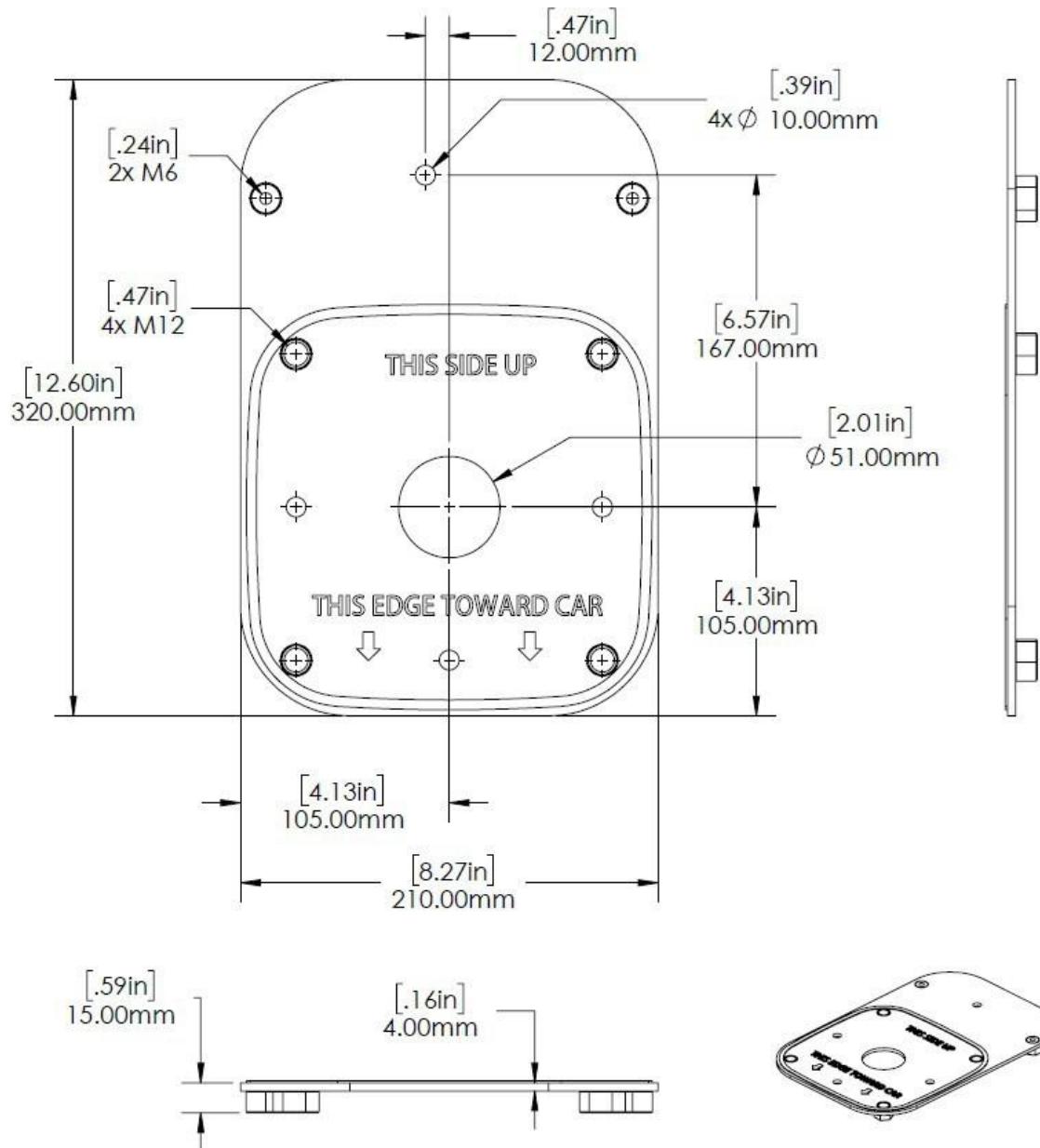


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
02	HOLSTER ASSEMBLY	02	-
03	CABLE RACK	01	-
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY
09	PEDESTAL ASSEMBLY	01	-
10	ANCHOR PENETRATIONS (ANCHORING PROVIDED BY OTHERS)	04	-
11	ANCHOR PLATE	01	-
12	PEDESTAL MOUNTING SCREWS - M12 X 25mm	04	10mm ALLEN KEY
13	GROUND LEVELING SCREWS - M8 X 8mm	04	3mm ALLEN KEY

## 1. INSTALL ANCHOR PLATE

### ⚠WARNING

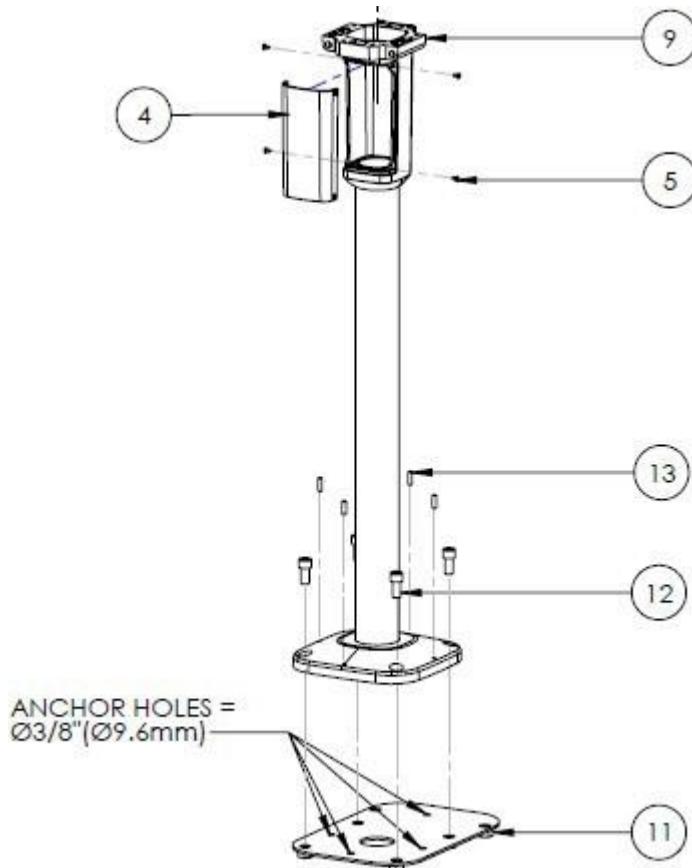
VERIFY ALL CONDUCTORS ARE DE-ENERGIZED



2. REMOVE ACCESS PANEL COVER AND INSTALL PEDESTAL WITH ACCESS PLATE OPENING FORWARD-FACING

**WARNING**

VERIFY ALL CONDUCTORS ARE DE-ENERGIZED

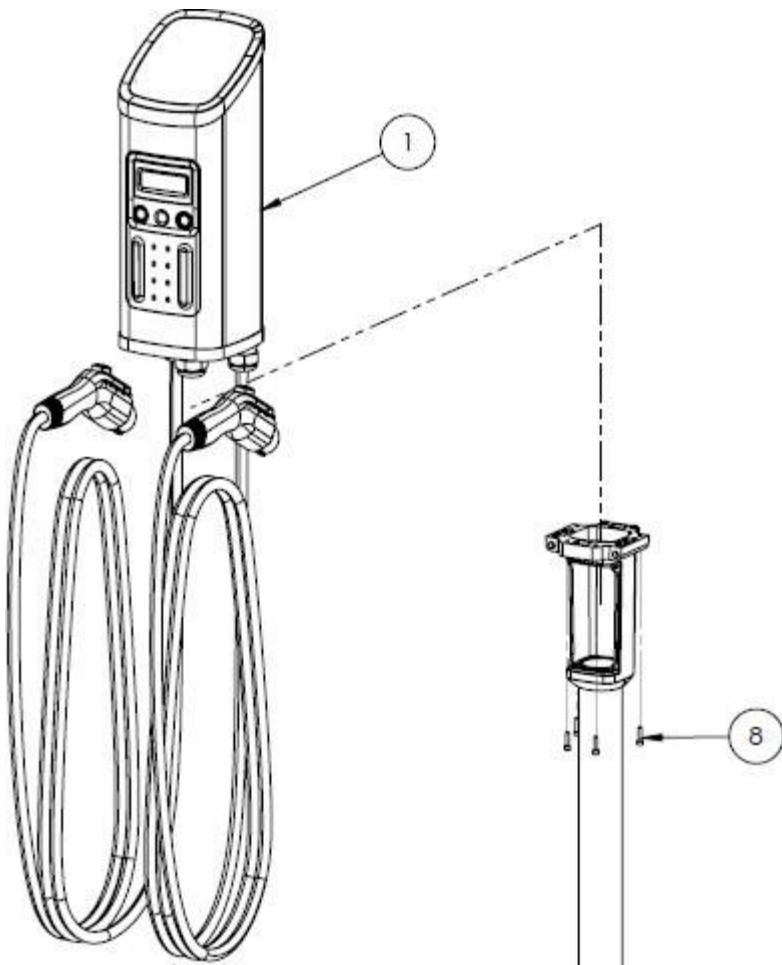


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
09	PEDESTAL ASSEMBLY	01	-
11	ANCHOR PLATE	01	-
12	PEDESTAL MOUNTING SCREWS - M12 X 25mm	04	10mm ALLEN KEY
13	GROUND LEVELING SCREWS - M8 X 8mm	04	3mm ALLEN KEY

## 3. INSTALL CHARGING HEAD UNIT

**CAUTION**

Refer to General Requirements section for station weights

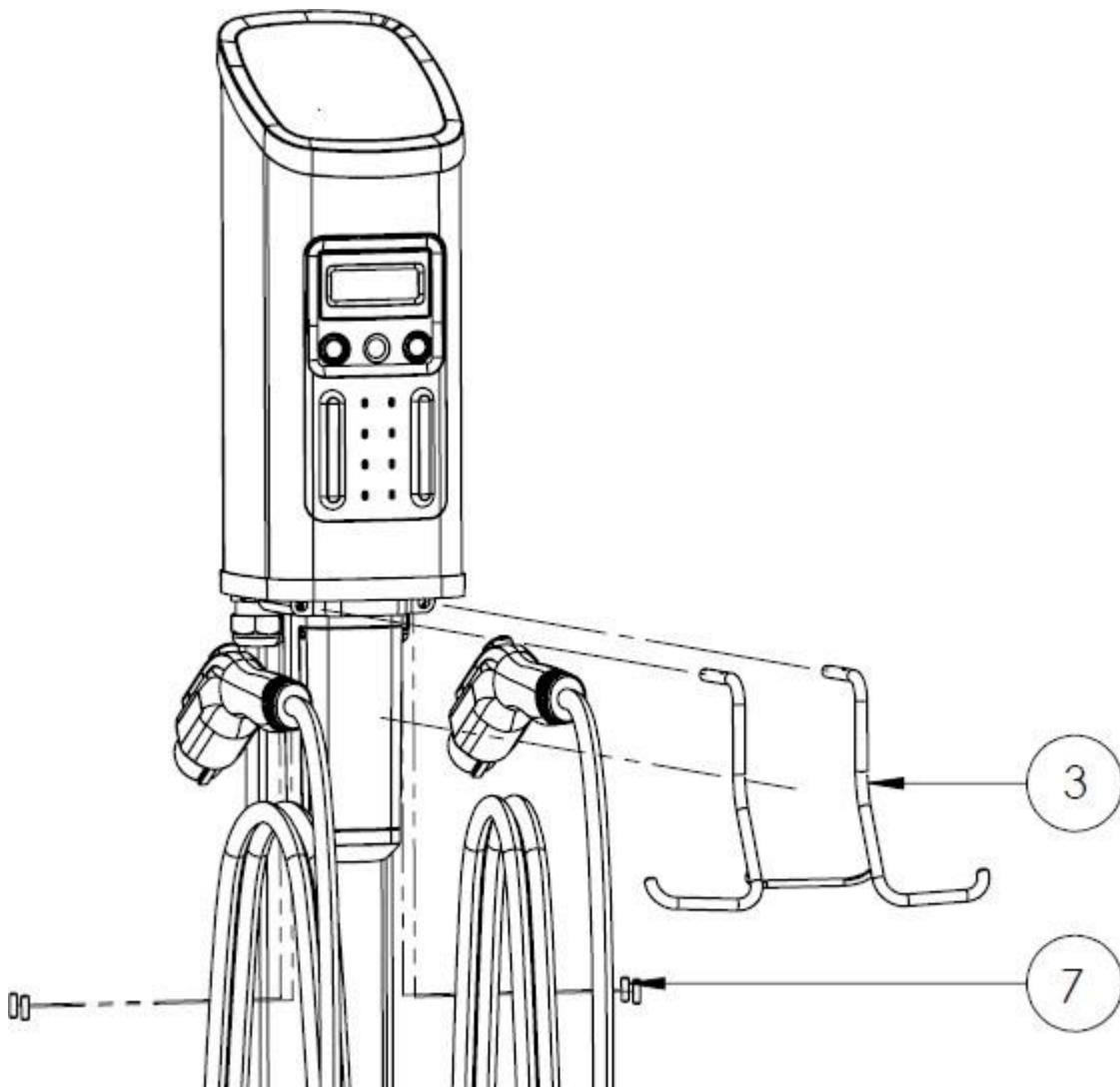


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY

**WARNING**

**VERIFY ALL CONDUCTORS ARE DE-ENERGIZED. COMPLETE ALL ELECTRICAL CONNECTIONS PRIOR TO STEP 4. SEE SYSTEM REQUIREMENTS SECTION FOR CONNECTION DETAILS.**

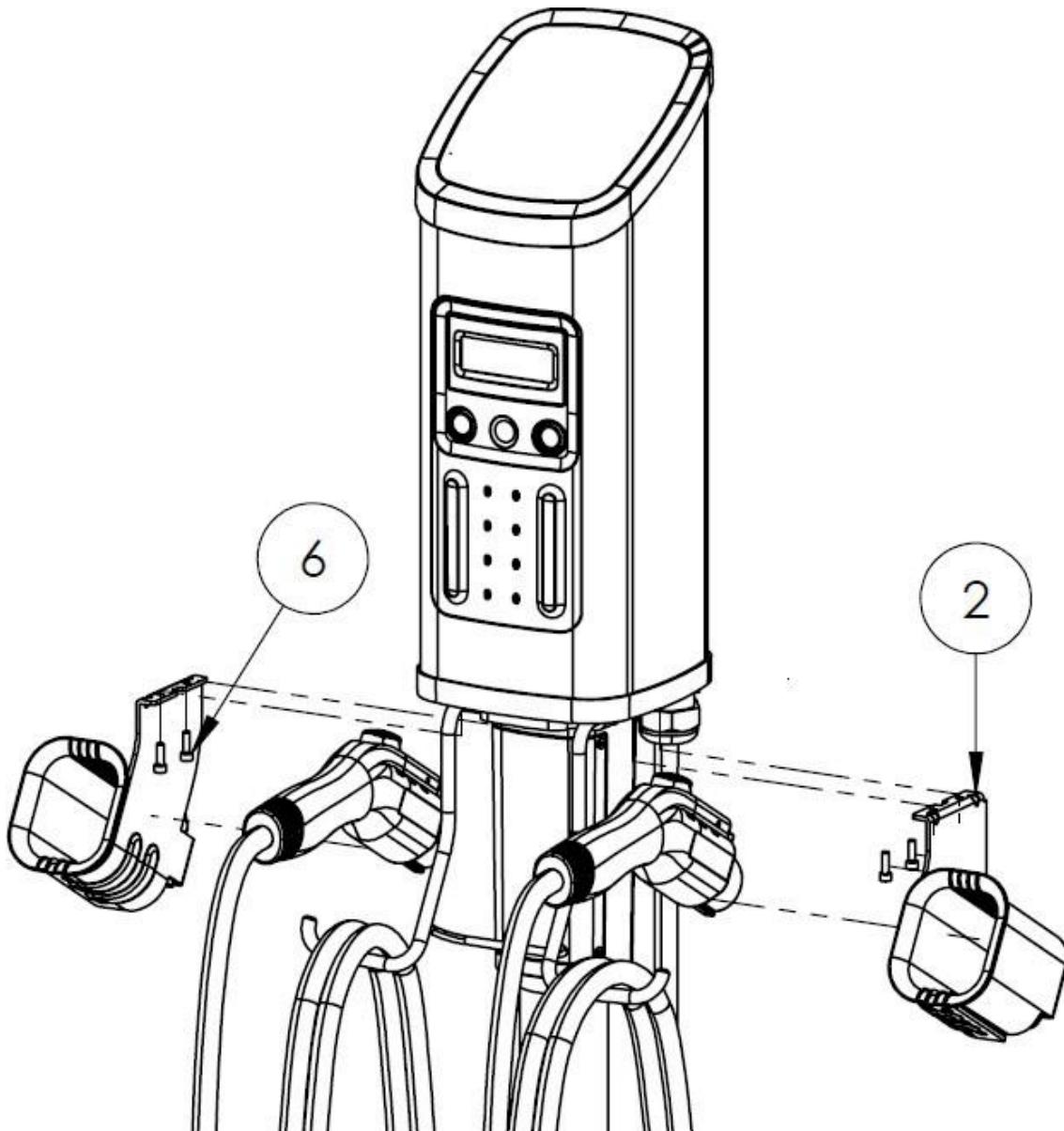
RE-INSTALL ACCESS PANEL COVER UPON COMPLETION OF ELECTRICAL CONNECTIONS.

**4. INSTALL CABLE RACK**

SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
03	CABLE RACK	01	-
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY

5. **INSTALL CABLE HOLSTERS**

**Note: A 8" (200 MM) SHANK, 4 MM ALLEN WRENCH IS REQUIRED TO ATTACH THE CABLE HOLSTERS TO THE CHARGING STATION.**



SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
02	HOLSTER ASSEMBLY	02	-
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY

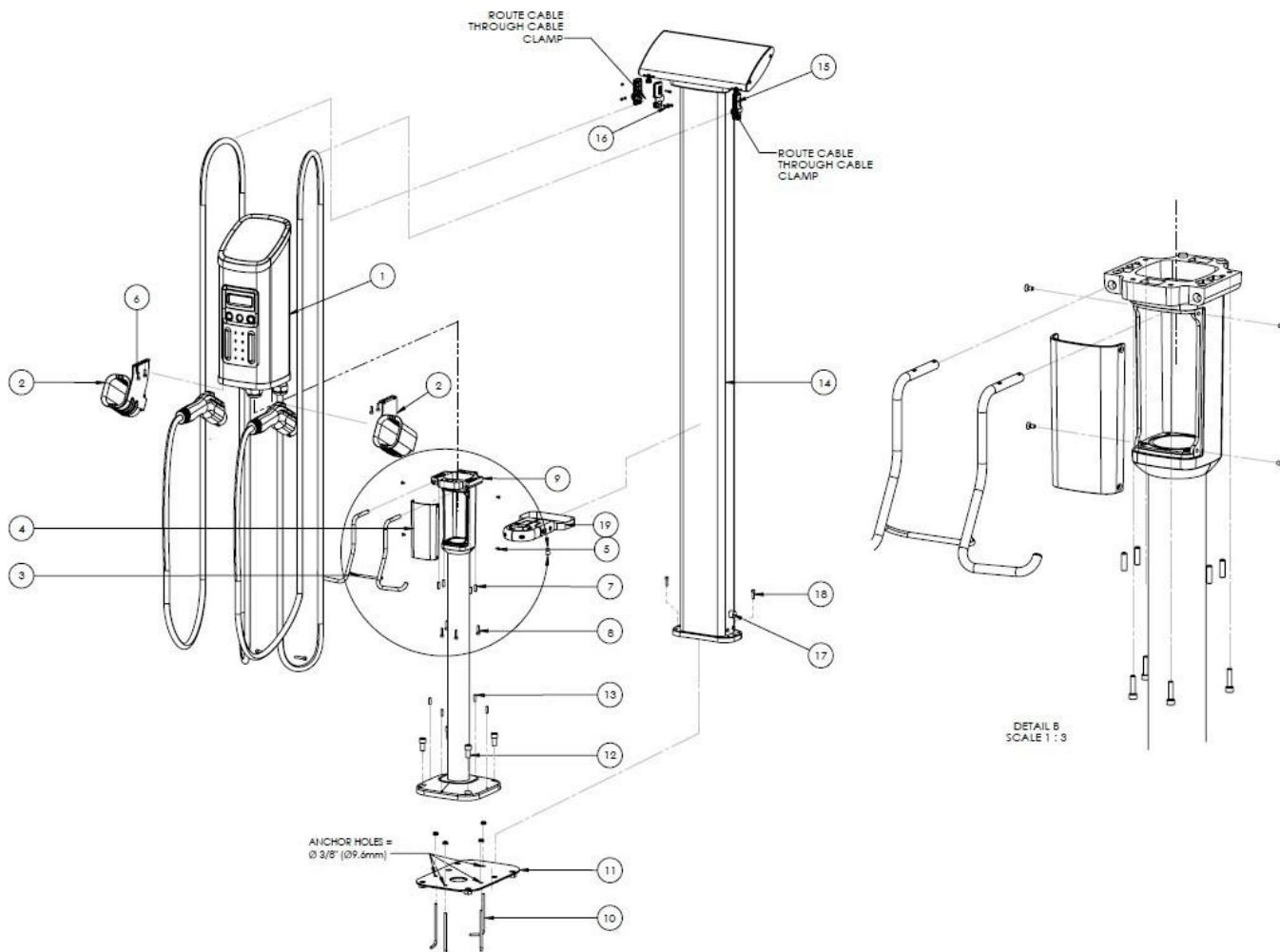
## Pedestal Mount with Cable Management System (CMS)



**Series 7/7+**

**Series 8/8+**

Pedestal Mount with Cable Management System Inventory Specification

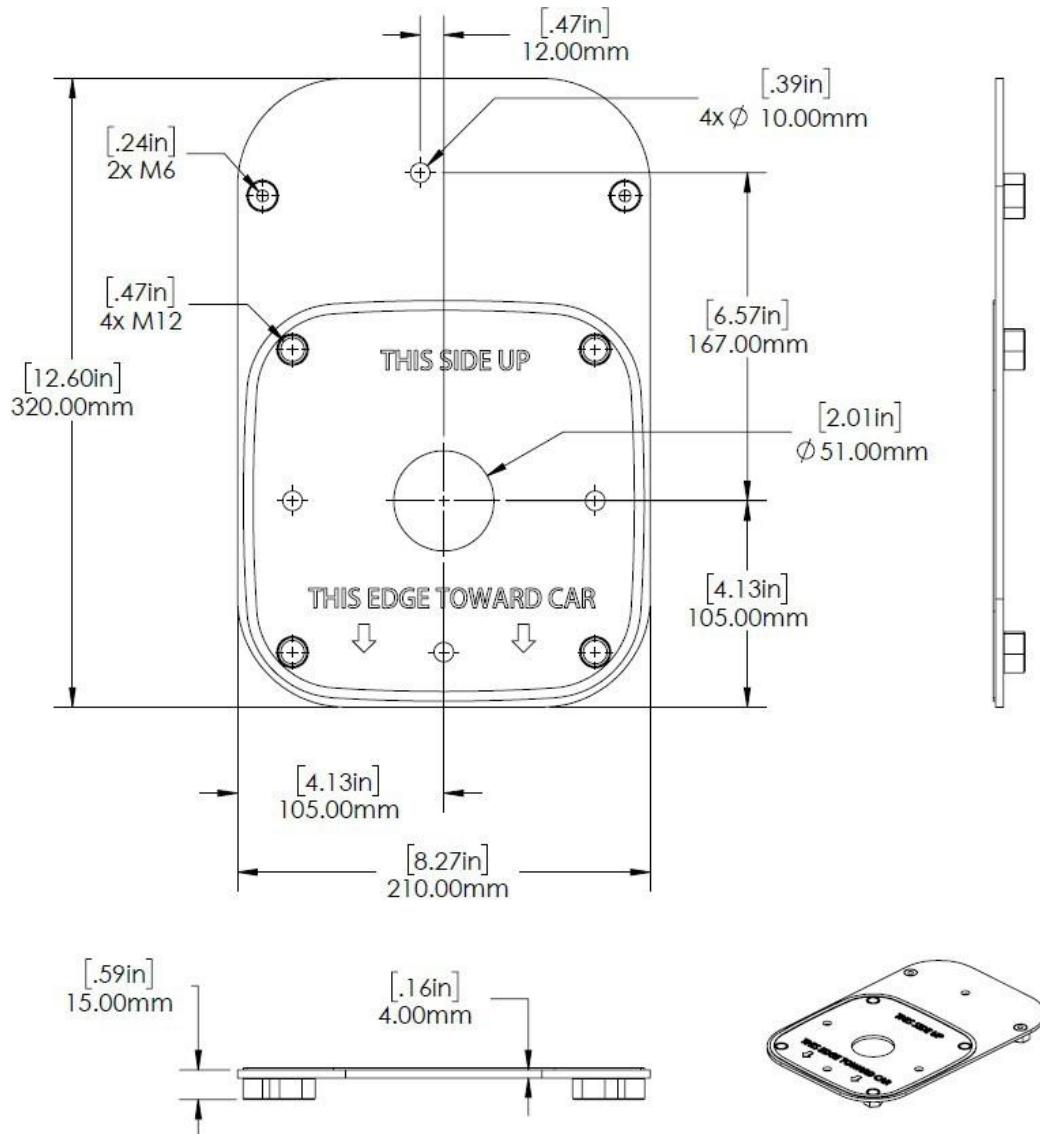


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
02	HOLSTER ASSEMBLY	02	-
03	CABLE RACK	01	-
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY
09	PEDESTAL ASSEMBLY	01	-
10	ANCHOR PENETRATIONS (ANCHORING PROVIDED BY OTHERS)	04	-
11	ANCHOR PLATE	01	-
12	PEDESTAL MOUNTING SCREWS - M12 X 25mm	04	10mm ALLEN KEY
13	GROUND LEVELING SCREWS - M8 X 8mm	04	3mm ALLEN KEY
14	CABLE MANAGEMENT SYSTEM ASSEMBLY	01	-
15	OUTPUT CABLE CLAMPS	02	-
16	OUTPUT CABLE CLAMP SCREWS - M4 X 10mm, M4 X 16mm, M4 X 20mm		3mm ALLEN KEY
17	CABLE MANAGEMENT SYSTEM COUNTER WEIGHT RETENSION BOLTS - M6 X 30mm	02	5mm ALLEN KEY
18	CABLE MANAGEMENT SYSTEM MOUNTING SCREWS - M6 X 25mm	02	5mm ALLEN KEY
19	CABLE MANAGEMENT SYSTEM SUPPORT STRAP	01	3mm & 5mm ALLEN KEY

## 1. INSTALL ANCHOR PLATE

### ⚠️WARNING

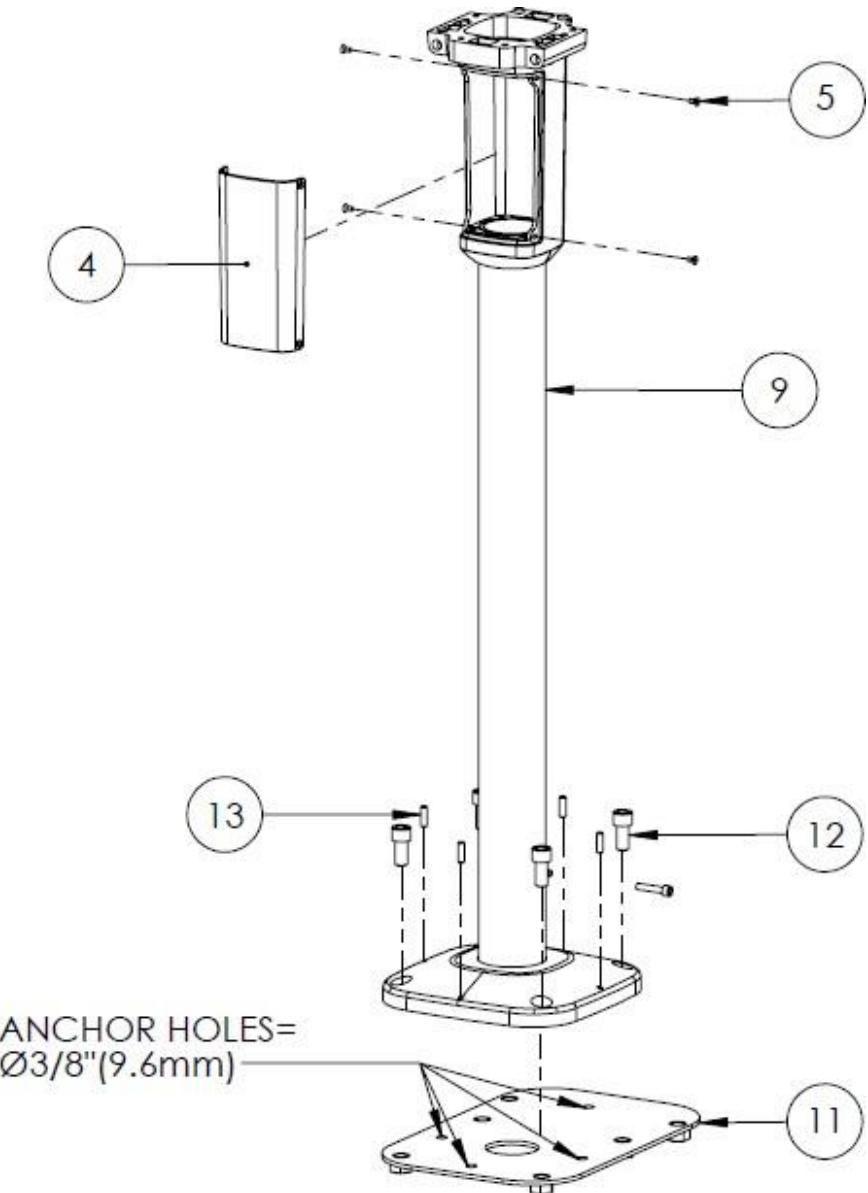
VERIFY ALL CONDUCTORS ARE DE-ENERGIZED



2. REMOVE ACCESS PANEL COVER AND INSTALL PEDESTAL WITH ACCESS PLATE OPENING FORWARD FACING

**WARNING**

VERIFY ALL CONDUCTORS ARE DE-ENERGIZED

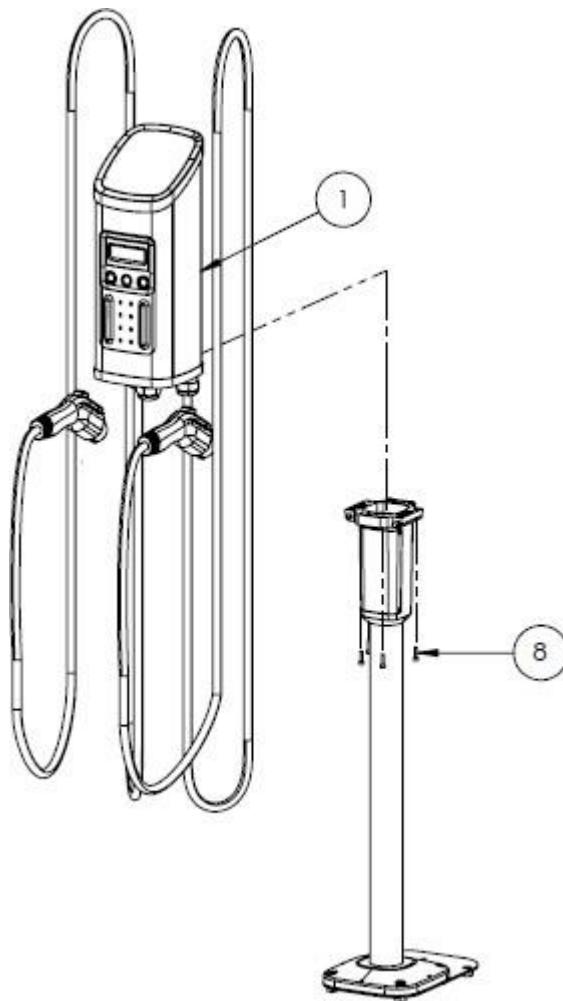


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
09	PEDESTAL ASSEMBLY	01	-
11	ANCHOR PLATE	01	-
12	PEDESTAL MOUNTING SCREWS - M12 X 25mm	04	10mm ALLEN KEY
13	GROUND LEVELING SCREWS - M8 X 8mm	04	3mm ALLEN KEY

### 3. INSTALL CHARGING HEAD UNIT

#### ⚠ CAUTION

Refer to General Requirements section for station weights

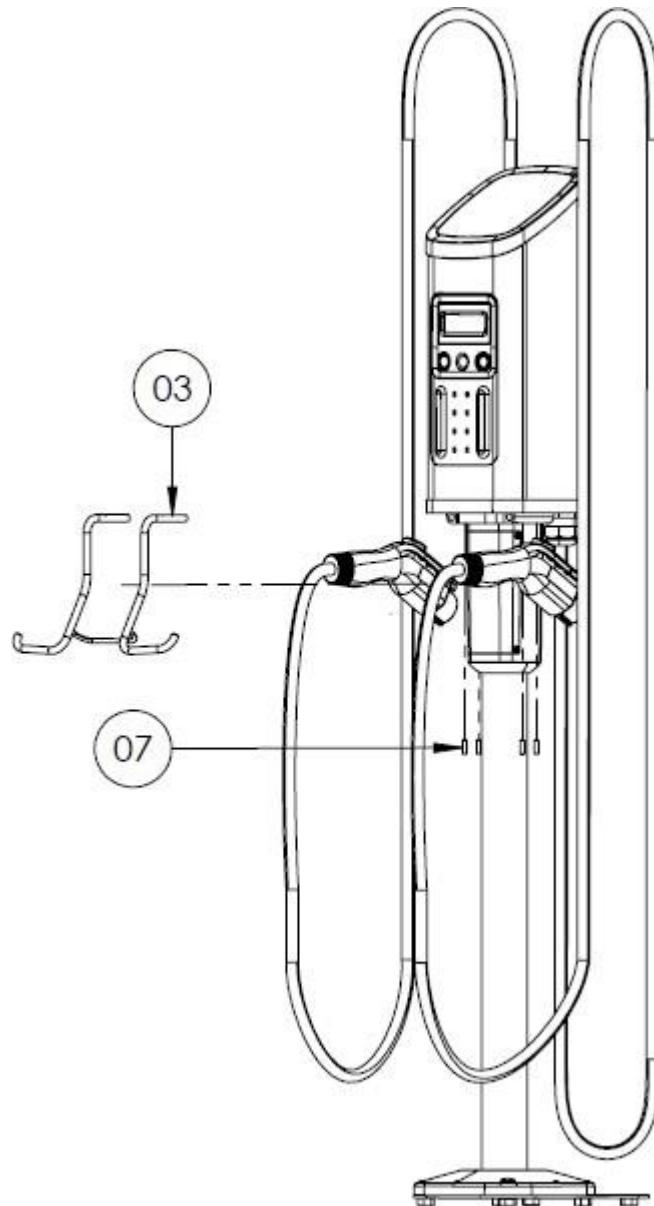


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY

#### ⚠ WARNING

**VERIFY ALL CONDUCTORS ARE DE-ENERGIZED. COMPLETE ALL ELECTRICAL CONNECTIONS PRIOR TO STEP 4. SEE SYSTEM REQUIREMENTS SECTION FOR CONNECTION DETAILS.**

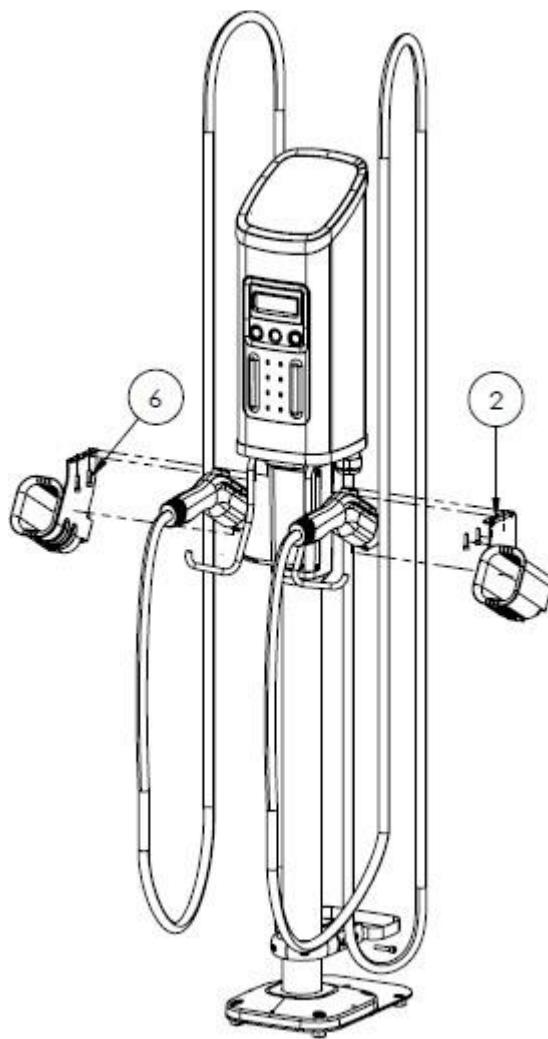
RE-INSTALL ACCESS PANEL COVER UPON COMPLETION OF ELECTRICAL CONNECTIONS.

**4. INSTALL CABLE RACK (CABLE RACK OPTIONAL WITH CABLE MANAGEMENT SYSTEM)**

SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
03	CABLE RACK	01	-
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY

## 5. INSTALL CABLE HOLSTERS

**Note: A 8" (200 MM) SHANK, 4 MM ALLEN WRENCH IS REQUIRED TO ATTACH THE CABLE HOLSTERS TO THE CHARGING STATION**

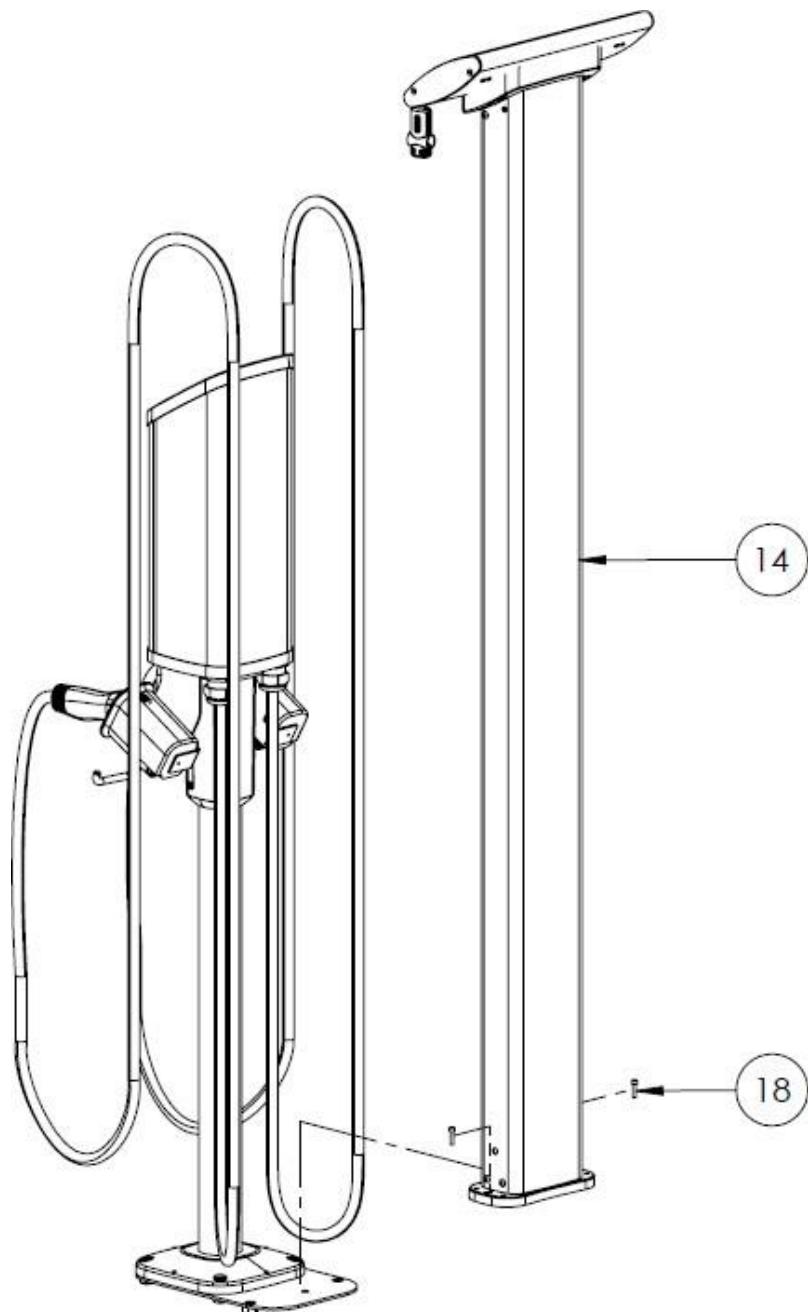


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
02	HOLSTER ASSEMBLY	02	-
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY

## 6. INSTALL CABLE MANAGEMENT SYSTEM (CMS)

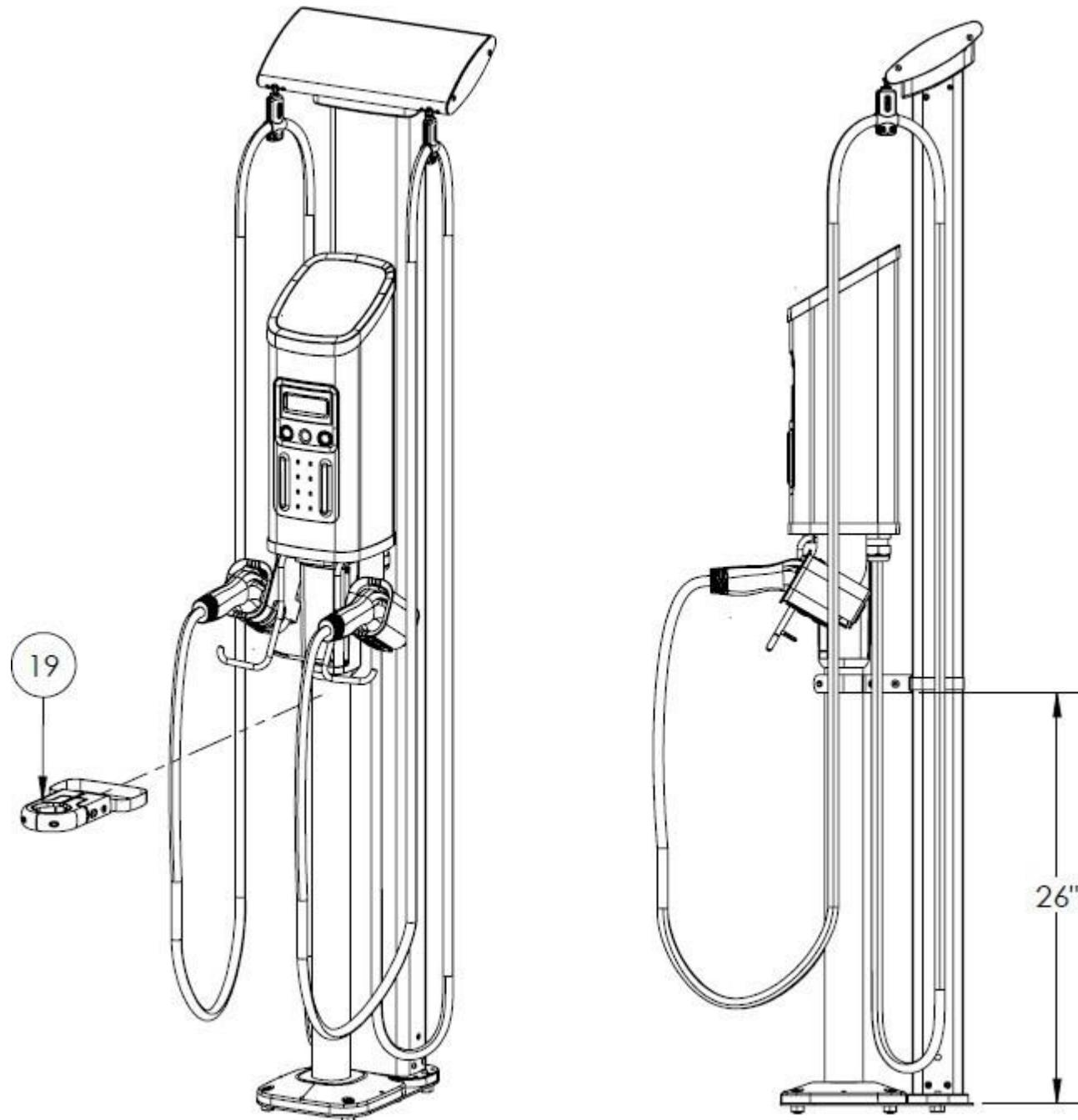
### ⚠ CAUTION

Refer to General Requirements section for Cable Management System  
Weights



SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
14	CABLE MANAGEMENT SYSTEM ASSEMBLY	01	-
18	CABLE MANAGEMENT SYSTEM MOUNTING SCREWS - M6 X 25mm	02	5mm ALLEN KEY

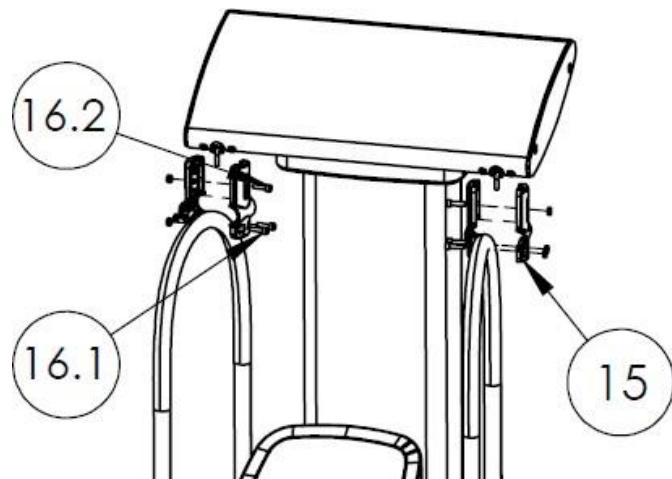
## 7. INSTALL CMS PEDESTAL CLAMP



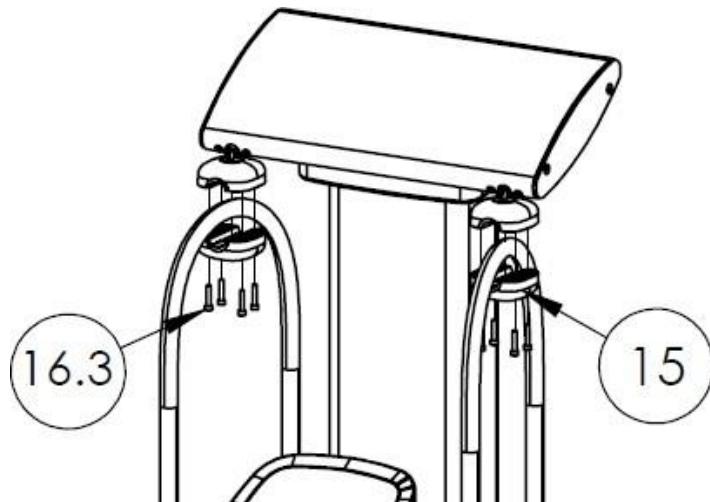
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
19	CABLE MANAGEMENT SYSTEM SUPPORT STRAP	01	3mm & 5mm ALLEN KEY

## 8. INSTALL CABLE MANAGEMENT SYSTEM OUTPUT CABLE CLAMPS

30A/48A Cable Clamp



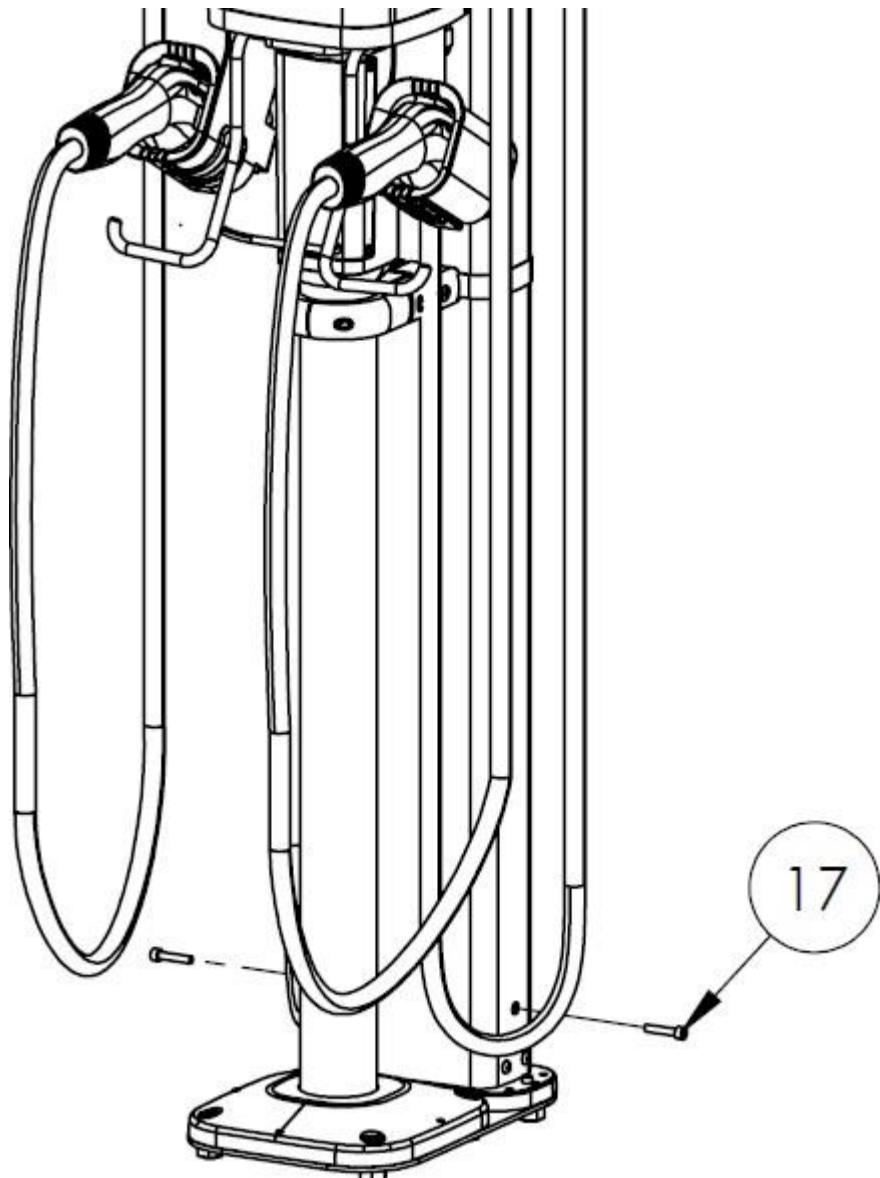
80A Cable Clamp



**18' Cable** – Install clamp 9' from the output cable J1772 coupler

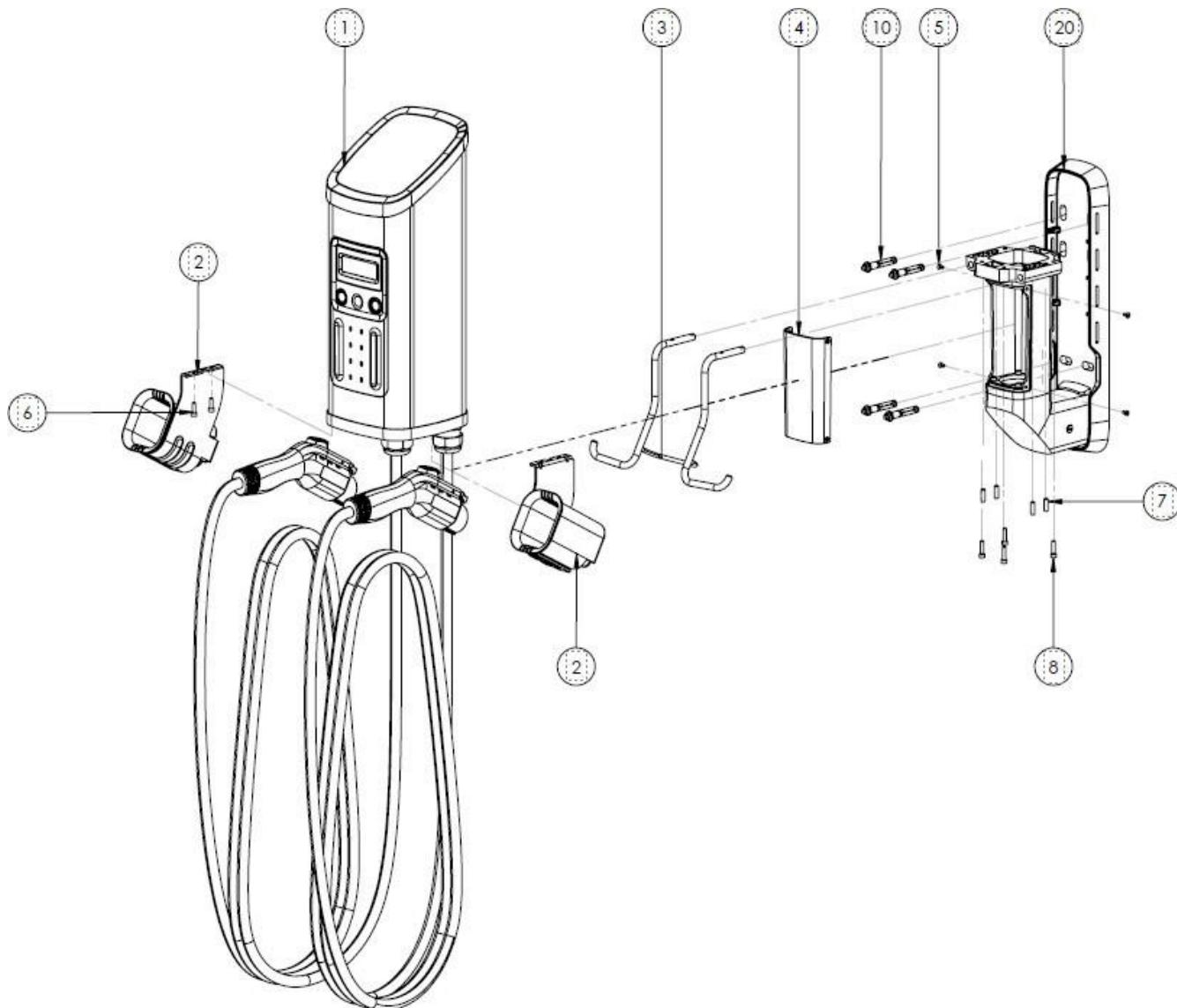
**25' Cable** – Install clamp 14.5' from the output cable J1772 coupler

SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
15	OUTPUT CABLE CLAMPS	02	-
16.1	OUTPUT CABLE CLAMP SCREWS - M4 X 10mm	04	3mm ALLEN KEY
16.2	OUTPUT CABLE CLAMP SCREWS - M4 X 16mm	02	3mm ALLEN KEY
16.3	OUTPUT CABLE CLAMP SCREWS - M4 X 20mm	08	3mm ALLEN KEY

**9. REMOVE CMS COUNTERWEIGHT RETENTION BOLTS**

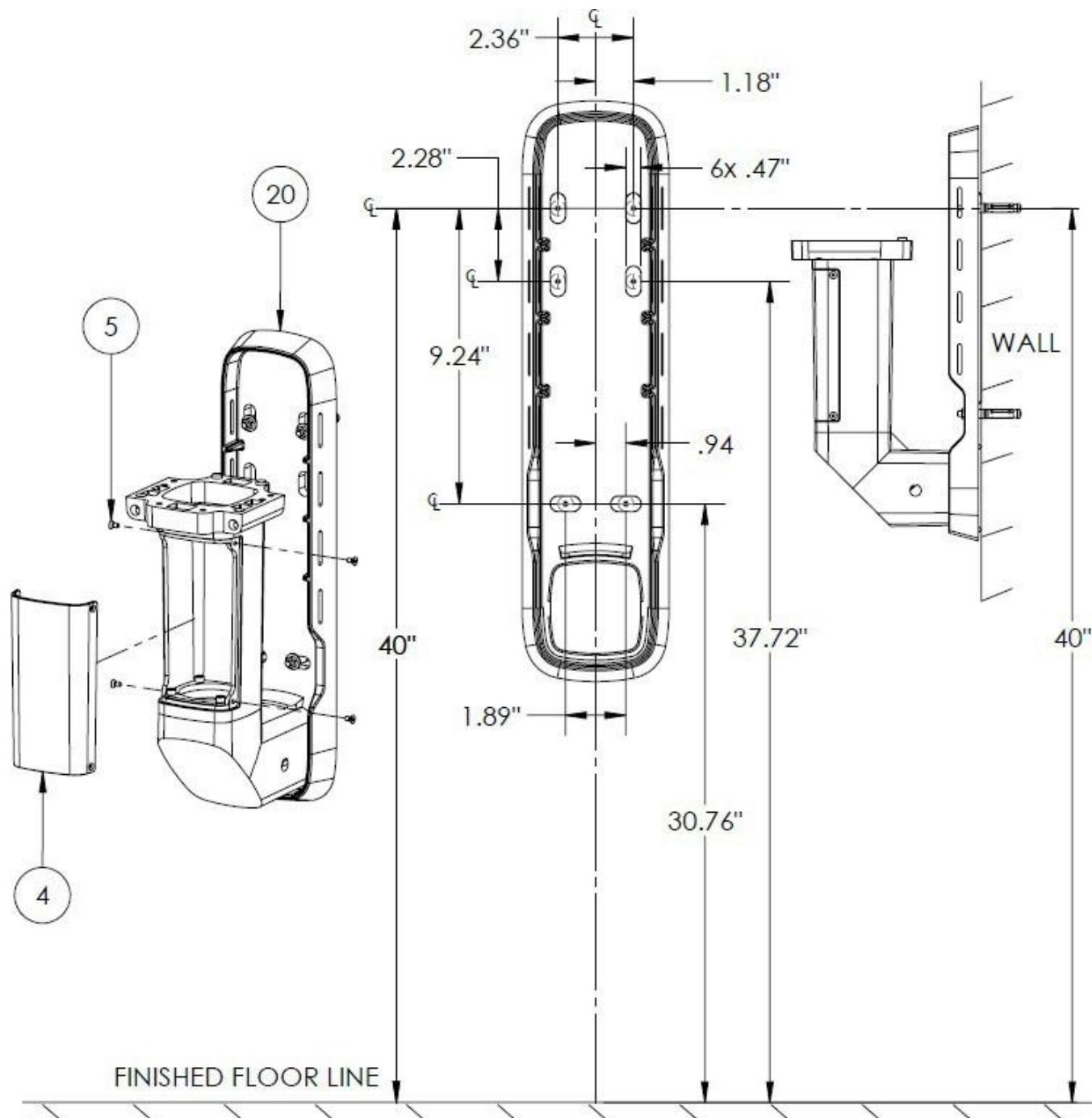
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
17	CABLE MANAGEMENT SYSTEM COUNTER WEIGHT RETENTION BOLTS - M6 X 30mm	02	5mm ALLEN KEY

**Wall Mount Without Cable Management System (CMS)****Series 7/7+****Series 8/8+**

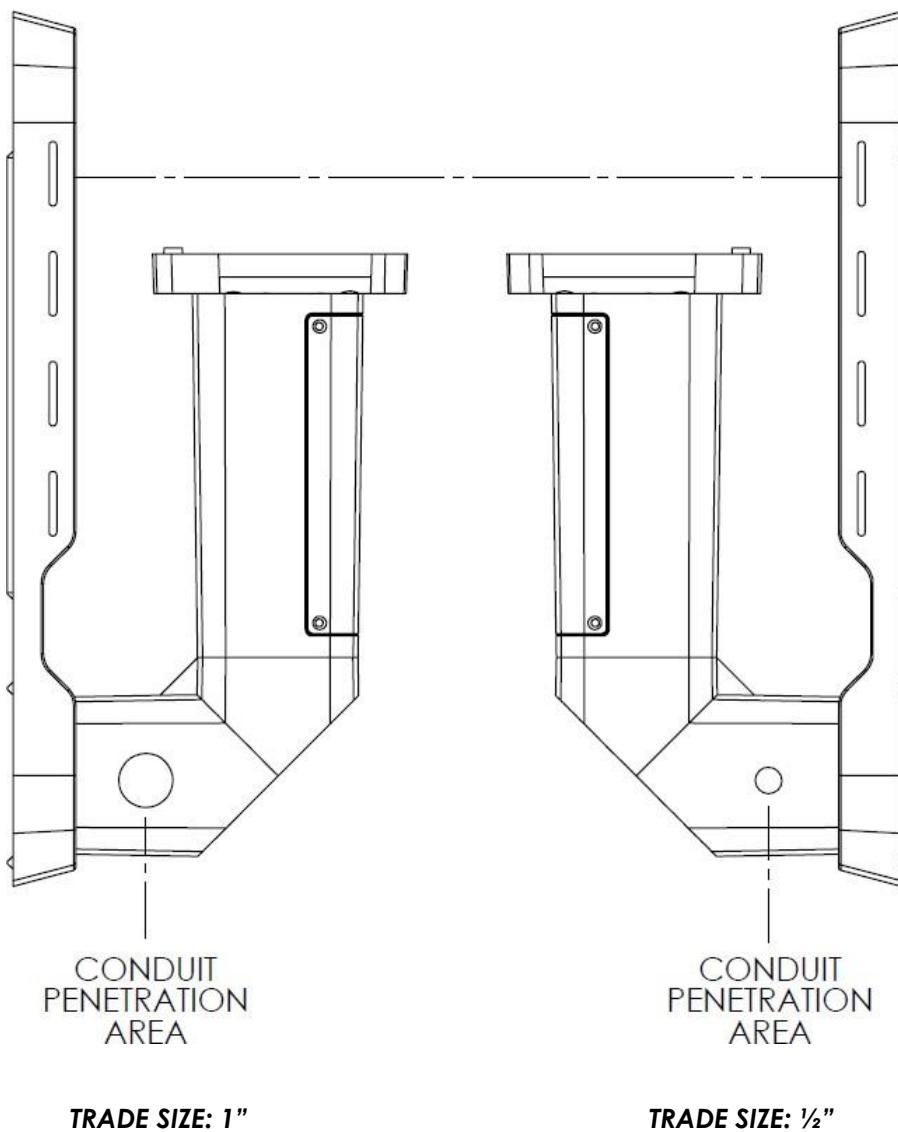
*Wall Mount Inventory Specification*


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
02	HOLSTER ASSEMBLY	02	-
03	CABLE RACK	01	-
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY
10	WALL MOUNT ANCHORS (PROVIDED BY OTHERS)	-	-
20	WALL MOUNT ASSEMBLY	01	-

## REMOVE ACCESS PANEL AND INSTALL WALL MOUNT ASSEMBLY



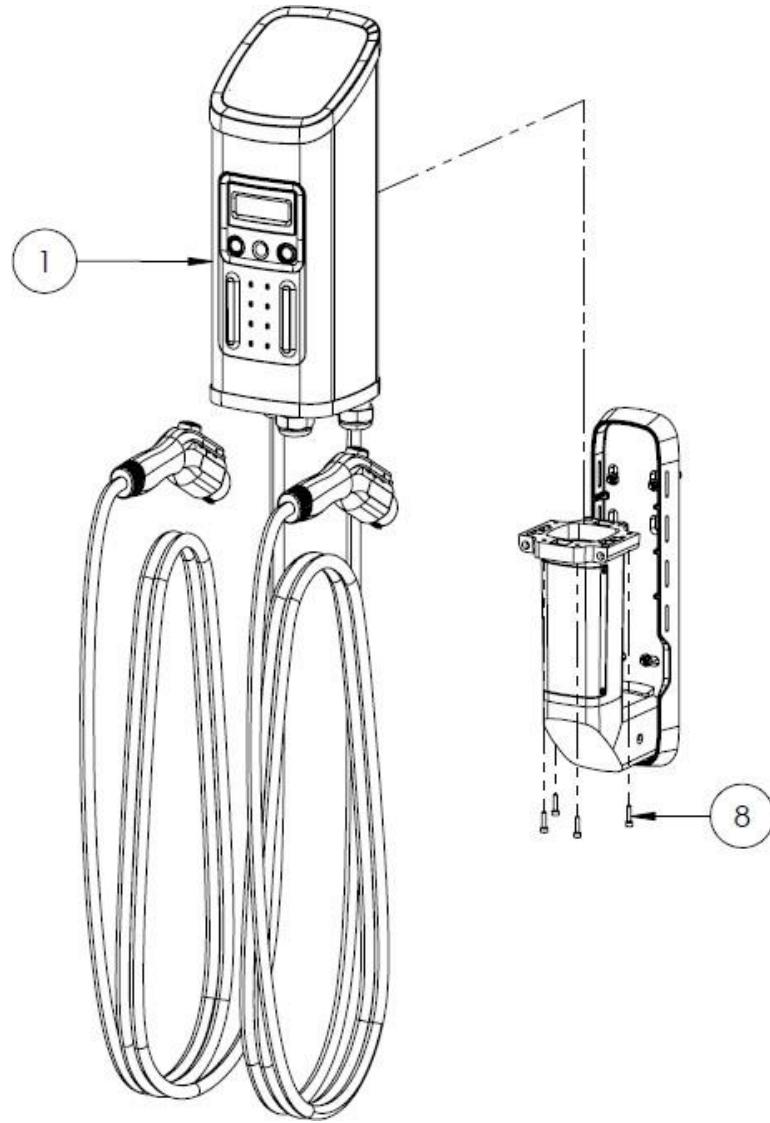
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
20	WALL MOUNT ASSEMBLY	01	-

**2. CONNECT CONDUIT TO WALL MOUNT ASSEMBLY**

### 3. INSTALL CHARGING HEAD UNIT

#### ⚠ CAUTION

Refer to General Requirements section for station weights



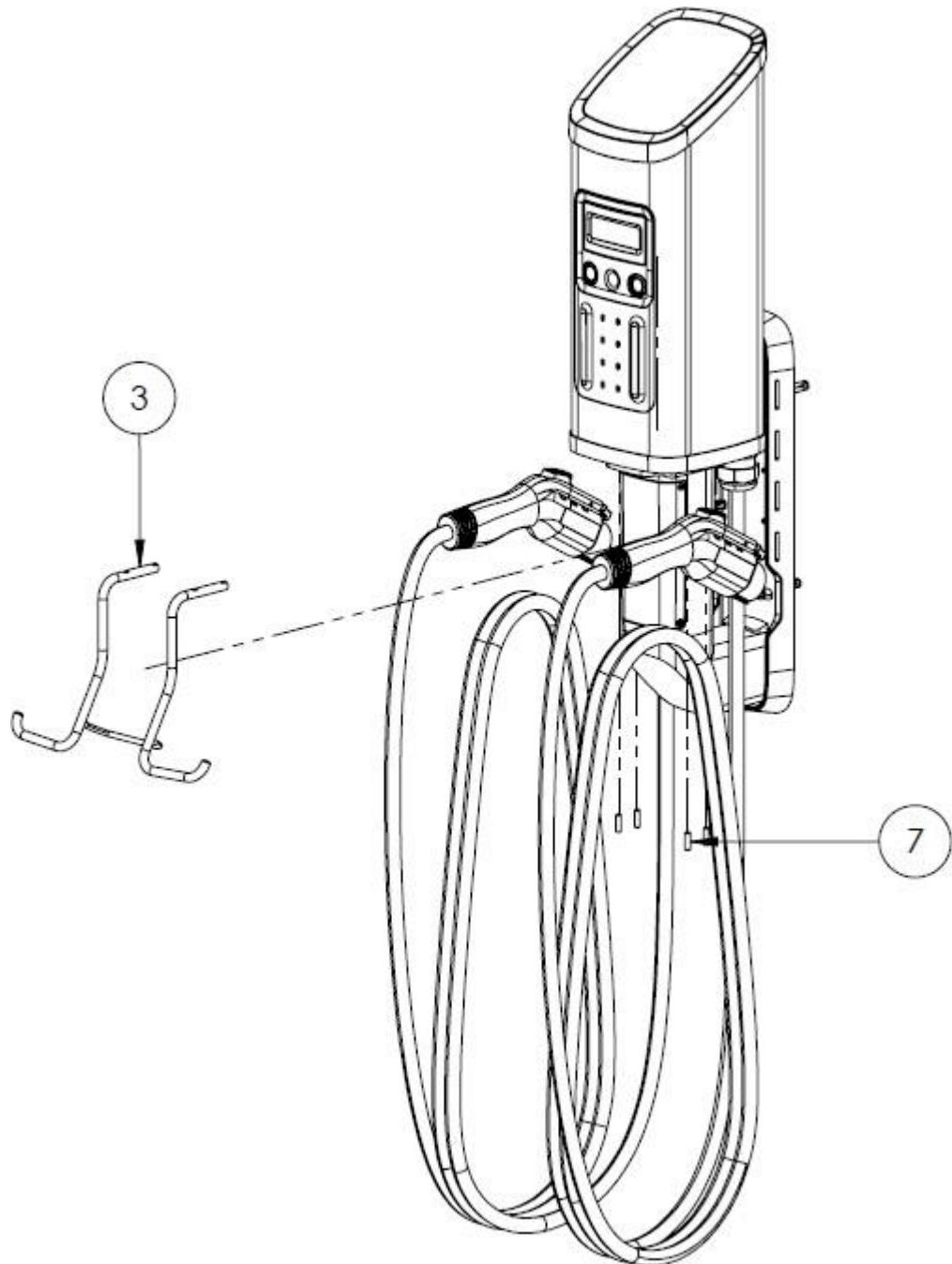
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY

#### ⚠ WARNING

**VERIFY ALL CONDUCTORS ARE DE-ENERGIZED. COMPLETE ALL ELECTRICAL CONNECTIONS PRIOR TO STEP 4. SEE SYSTEM REQUIREMENTS SECTION FOR CONNECTION DETAILS.**

RE-INSTALL ACCESS PANEL COVER UPON COMPLETION OF ELECTRICAL CONNECTIONS.

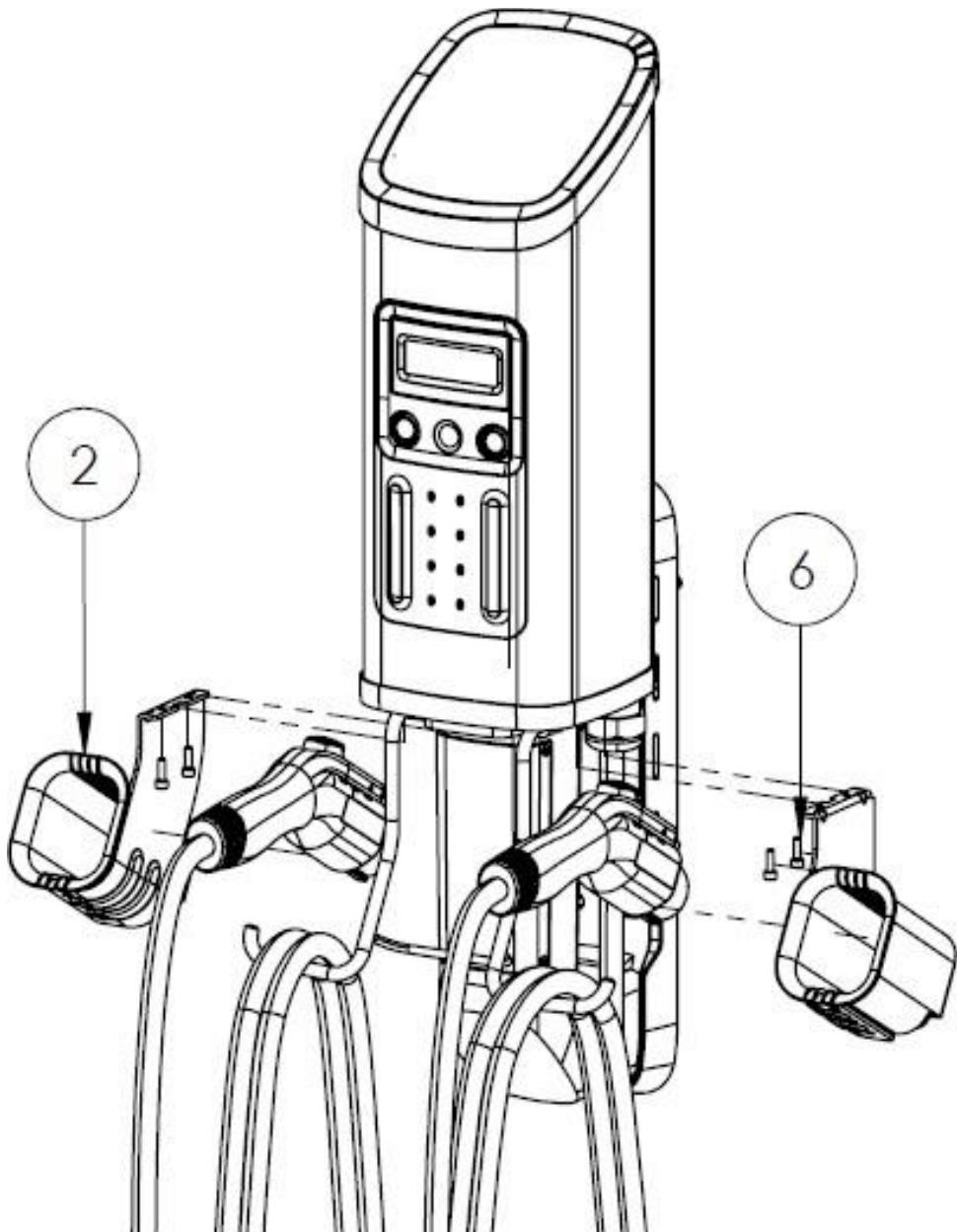
#### 4. INSTALL CABLE RACK



SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
03	CABLE RACK	01	-
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY

5. **INSTALL CABLE HOLSTERS**

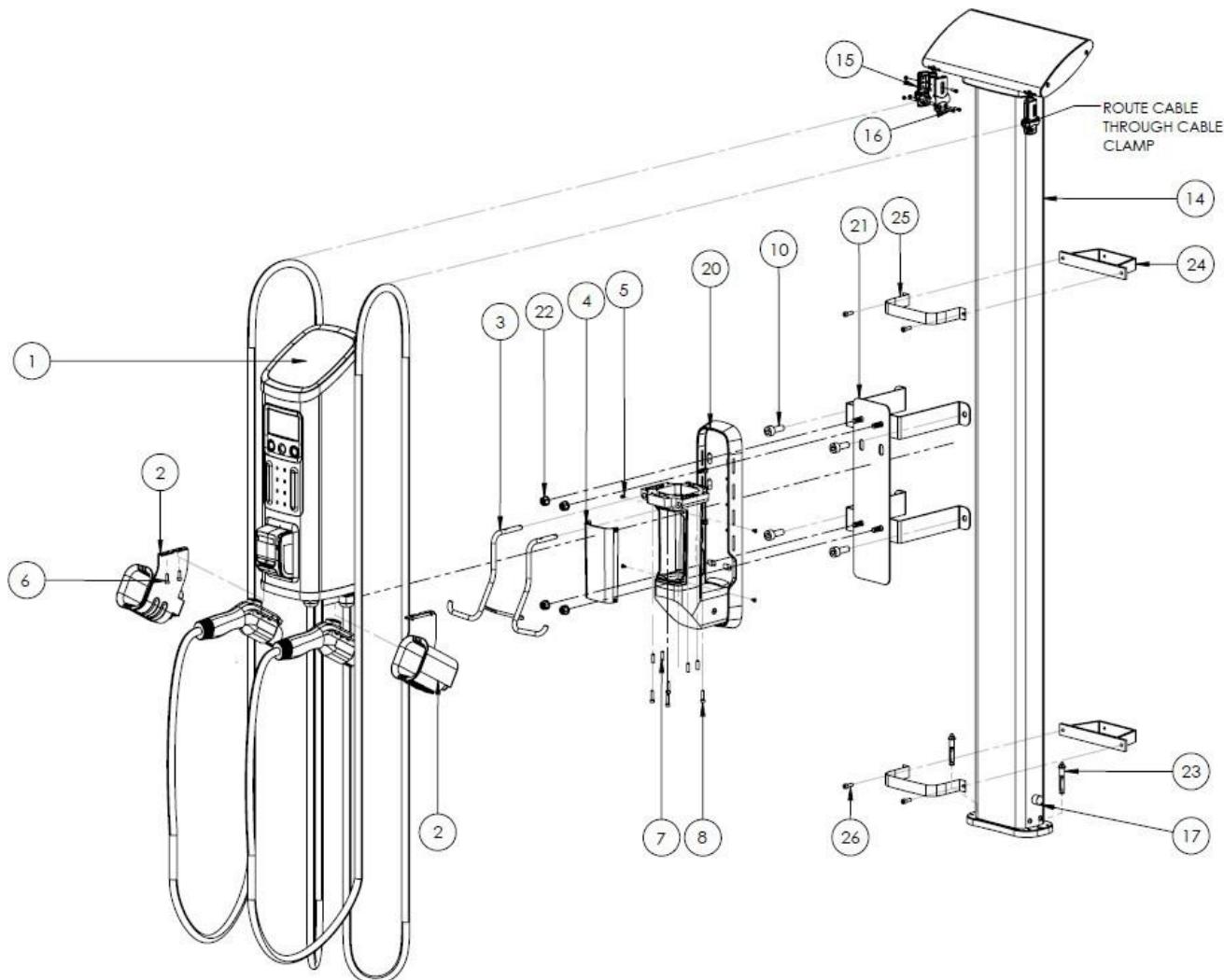
**Note: A 8" (200 MM) SHANK, 4 MM ALLEN WRENCH IS REQUIRED TO ATTACH THE CABLE HOLSTERS TO THE CHARGING STATION**



SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
02	HOLSTER ASSEMBLY	02	-
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY

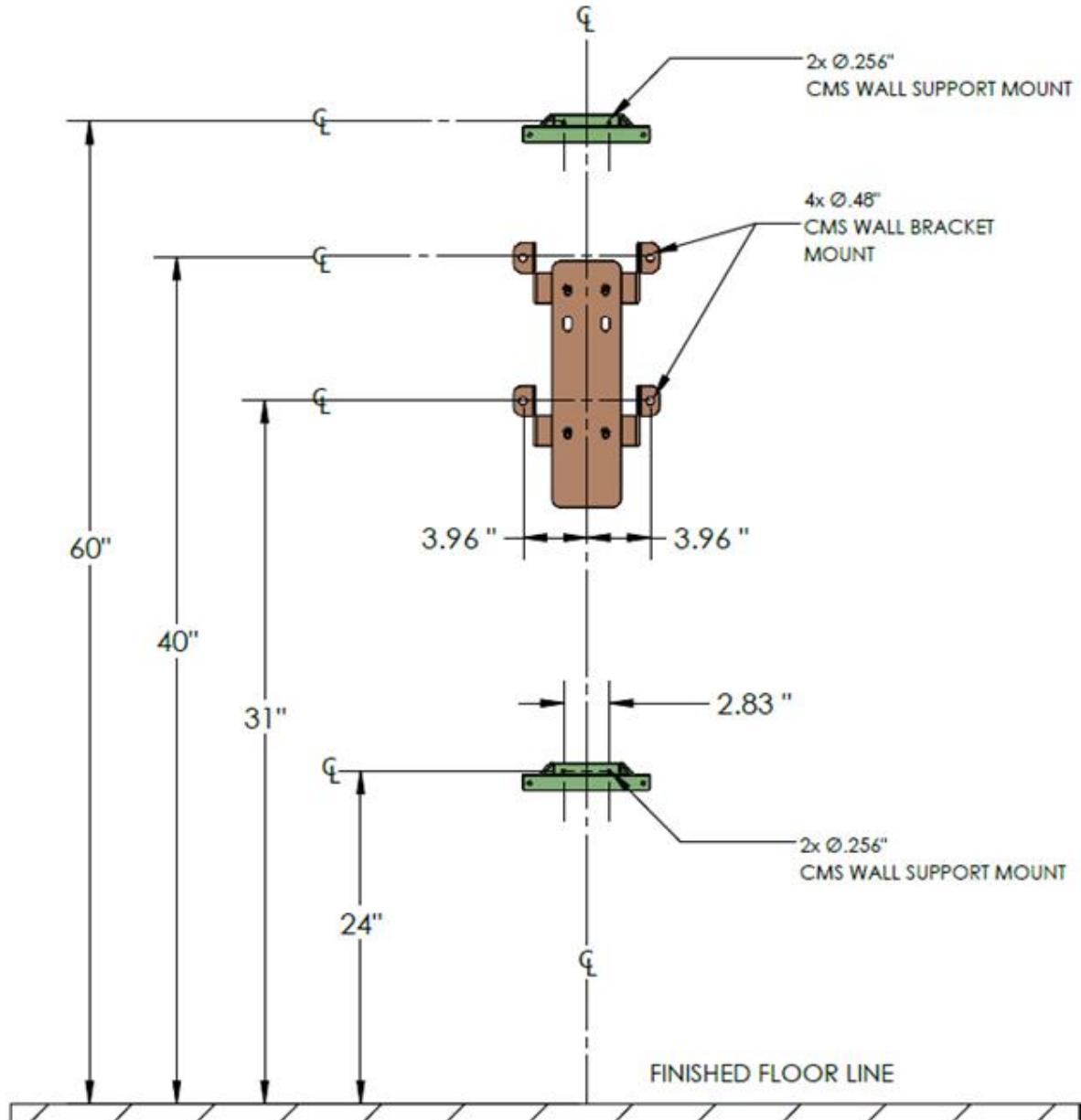
**Wall Mount With Cable Management System (CMS)****Series 7/7+****Series 8/8+**

## WALL MOUNT WITH CABLE MANAGEMENT SYSTEM INVENTORY SPECIFICATION



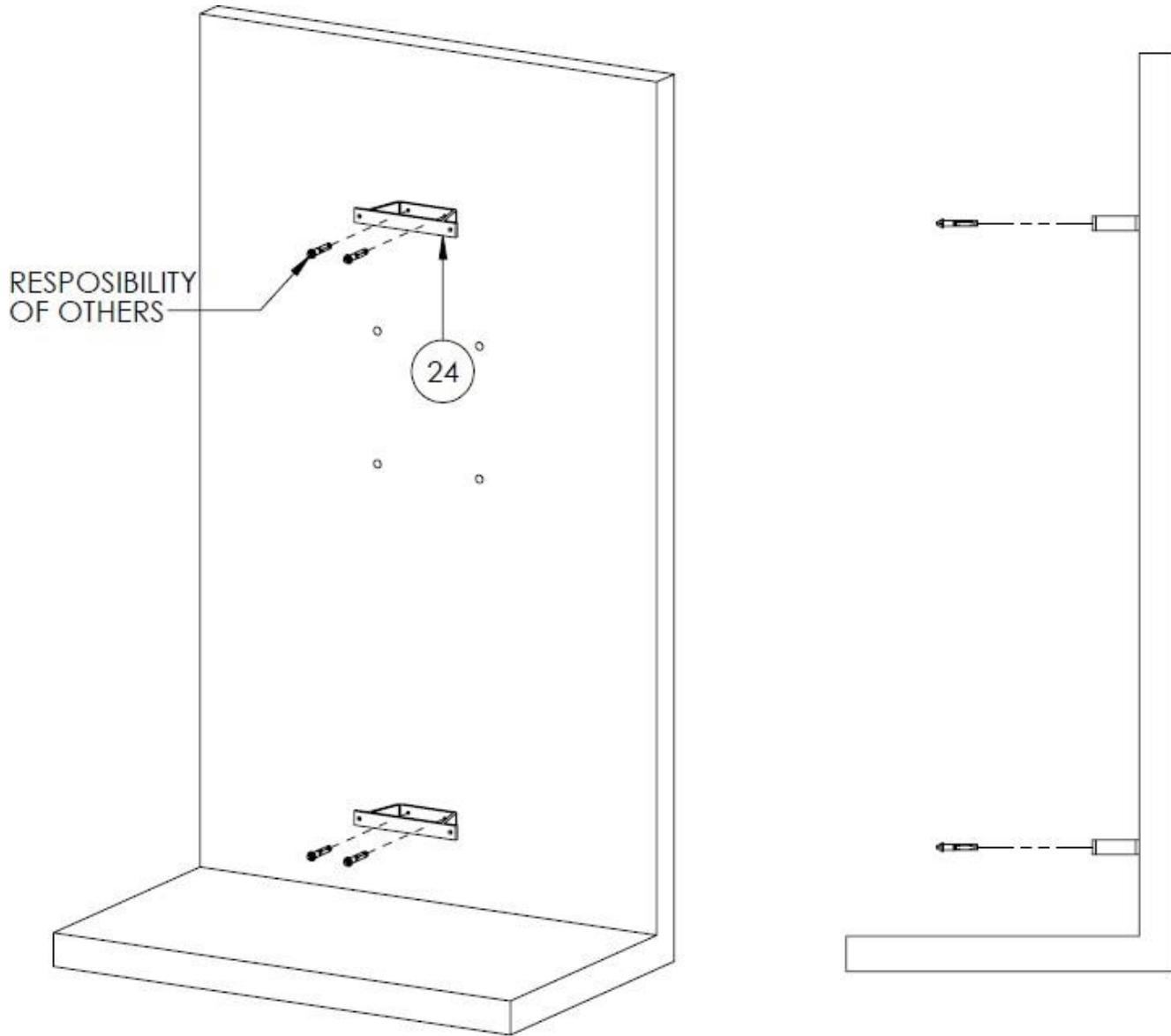
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
02	HOLSTER ASSEMBLY	02	-
03	CABLE RACK	01	-
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY
10	WALL BRACKET ASSEMBLY ANCHORS (PROVIDED BY OTHERS)	-	-
14	CABLE MANAGEMENT SYSTEM ASSEMBLY	01	
15	OUTPUT CABLE CLAMPS	02	-
16	OUTPUT CABLE CLAMP SCREWS - M4 X 10mm, M4 X 16mm, M4 X 20mm		3mm ALLEN KEY
17	CABLE MANAGEMENT SYSTEM COUNTER WEIGHT RETENSION BOLTS - M6 X 30mm	02	5mm ALLEN KEY
20	WALL MOUNT ASSEMBLY	01	-
21	WALL MOUNT BRACKET ASSEMBLY	01	-
22	WALL MOUNT BRACKET ASSEMBLY HEX NUT - M10	04	10mm SOCKET
23	CMS FLOOR ANCHORS (PROVIDED BY OTHERS)	-	-
24	CABLE MANAGEMENT SYSTEM WALL SUPPORT	02	-
25	CABLE MANAGEMENT SYSTEM WALL SUPPORT STRAPS	02	-
26	CABLE MANAGEMENT SYSTEM SUPPORT STRAP BOLTS - M6 X 12mm	04	5mm ALLEN KEY

1. USING THE DRAWING BELOW, MARK ALL AND DRILL ALL ANCHOR CENTERS FOR CMS SUPPORT BRACKETS AND WALL MOUNT BRACKET ASSEMBLY



## 2. MOUNT AND SECURE CMS BRACKETS TO WALL

Max Anchor Size = Ø 0.236"

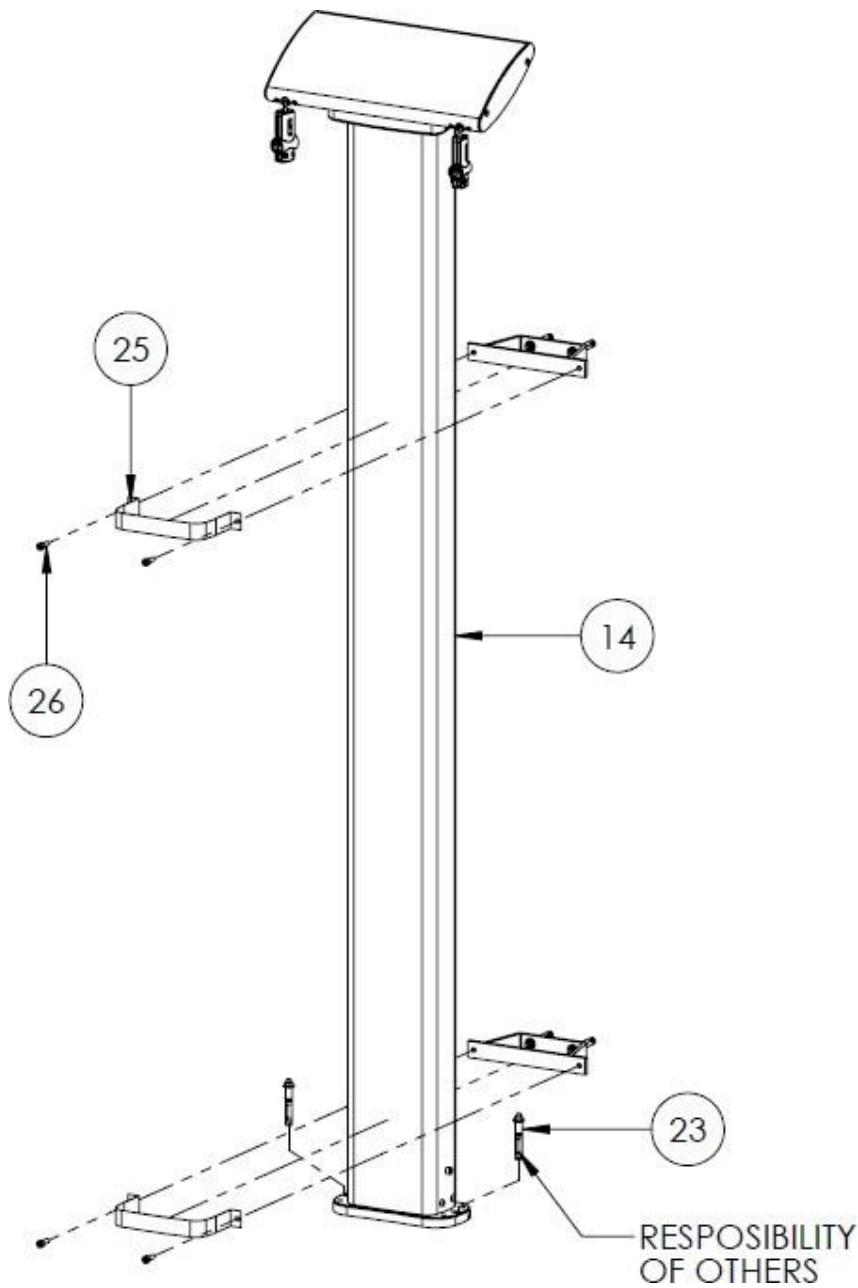


SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
24	CABLE MANAGEMENT SYSTEM WALL SUPPORT	02	-

### 3. MOUNT AND SECURE CMS TO CMS BRACKETS AND TO FLOOR

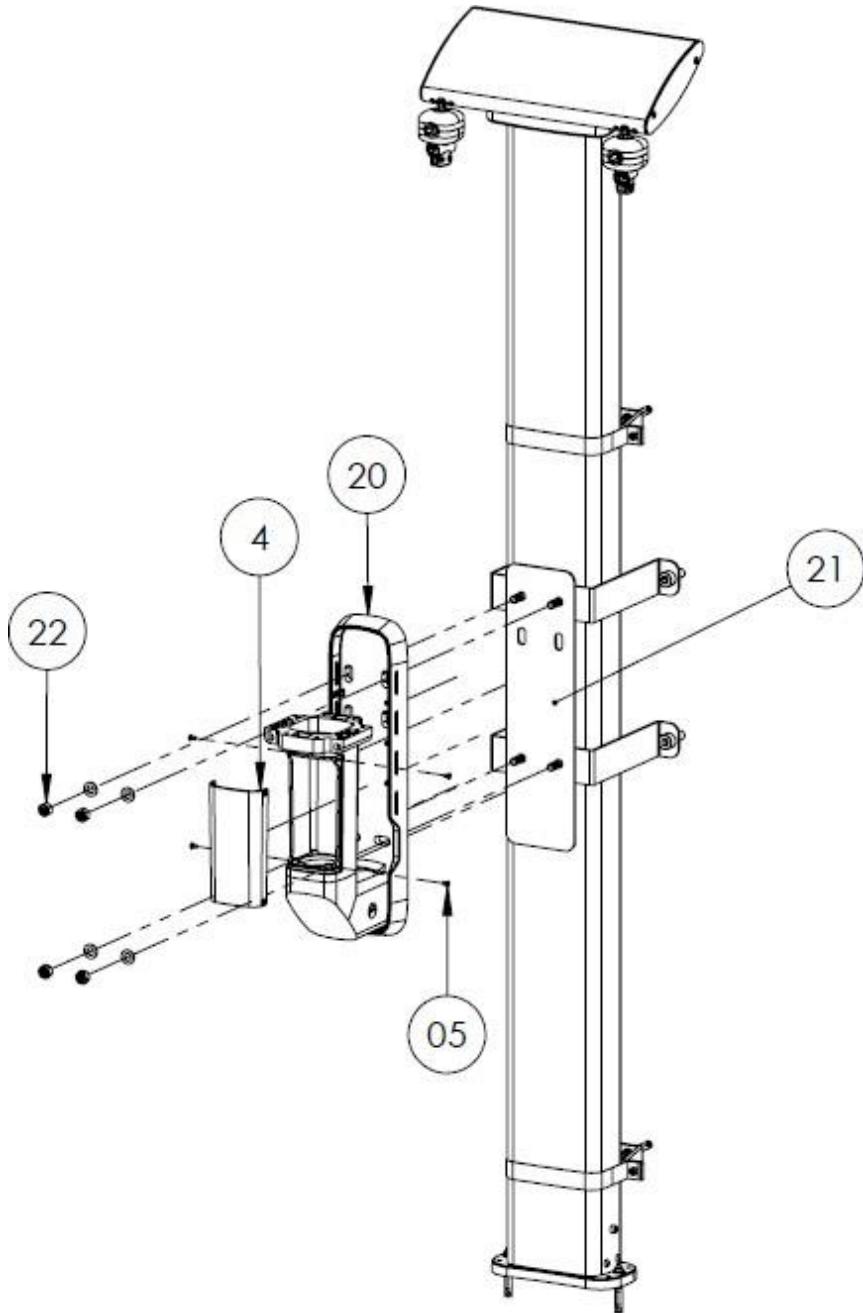
#### ⚠ CAUTION

Refer to General Requirements section for Cable Management System  
Weights Max Anchor Size = Ø 0.236"



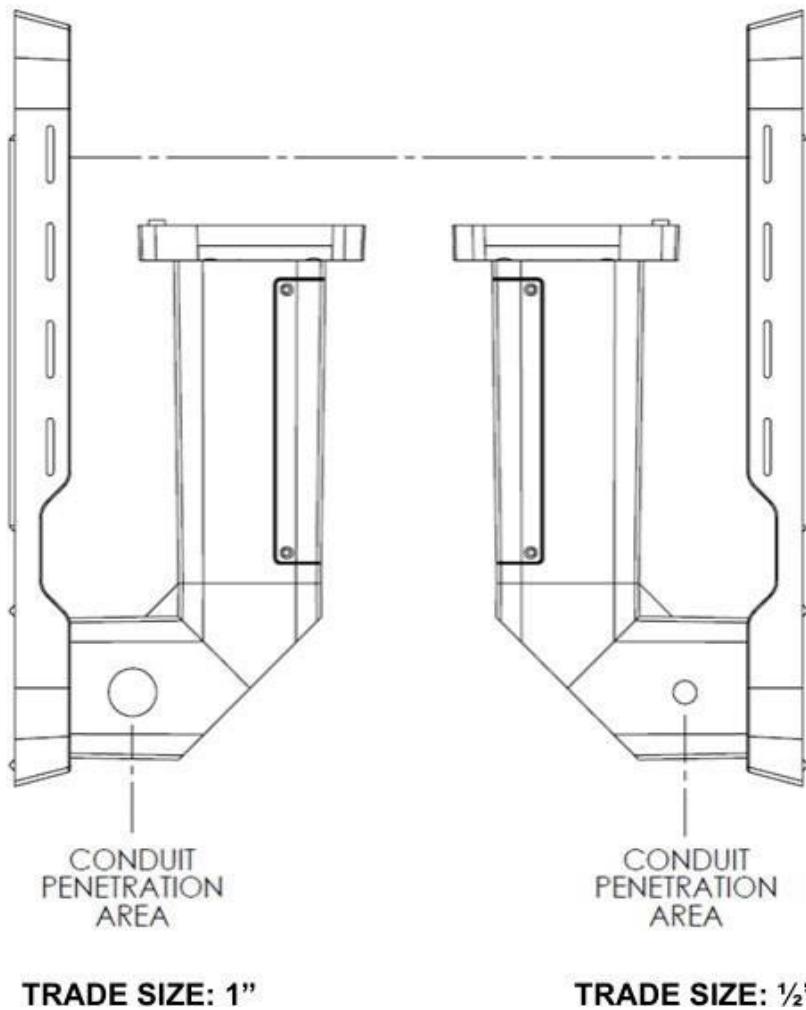
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
14	CABLE MANAGEMENT SYSTEM ASSEMBLY	01	
23	CMS FLOOR ANCHORS (PROVIDED BY OTHERS)	-	-
25	CABLE MANAGEMENT SYSTEM WALL SUPPORT STRAPS	02	-
26	CABLE MANAGEMENT SYSTEM SUPPORT STRAP BOLTS - M6 X 12mm	04	5mm ALLEN KEY

4. REMOVE ACCESS PANEL COVER AND INSTALL WALL MOUNT BRACKET ASSEMBLY AND WALL MOUNT ASSEMBLY



SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
04	ACCESS PANEL COVER	01	-
05	ACCESS PANEL SCREWS - M4 X 10mm	04	2.5mm ALLEN KEY
20	WALL MOUNT ASSEMBLY	01	-
21	WALL MOUNT BRACKET ASSEMBLY	01	-
22	WALL MOUNT BRACKET ASSEMBLY HEX NUT - M10	04	10mm SOCKET

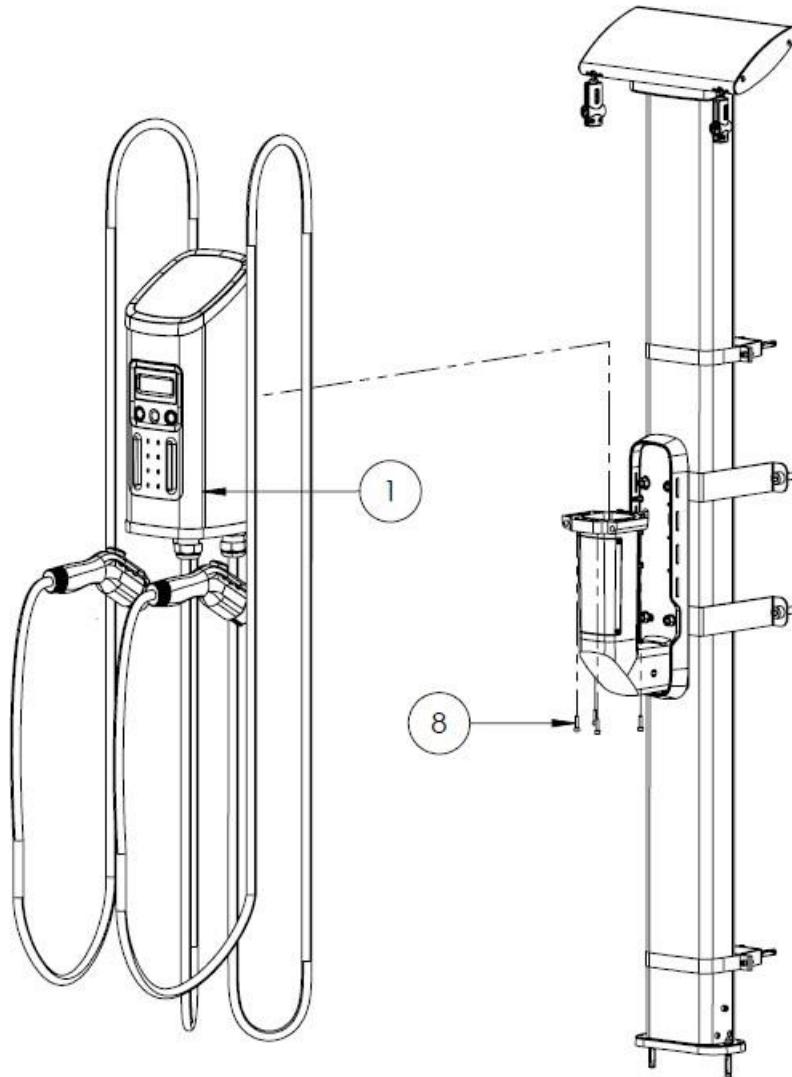
## 5. CONNECT CONDUIT TO WALL MOUNT ASSEMBLY



## 6. INSTALL CHARGING HEAD UNIT

### ⚠ CAUTION

Refer to General Requirements section for station weights



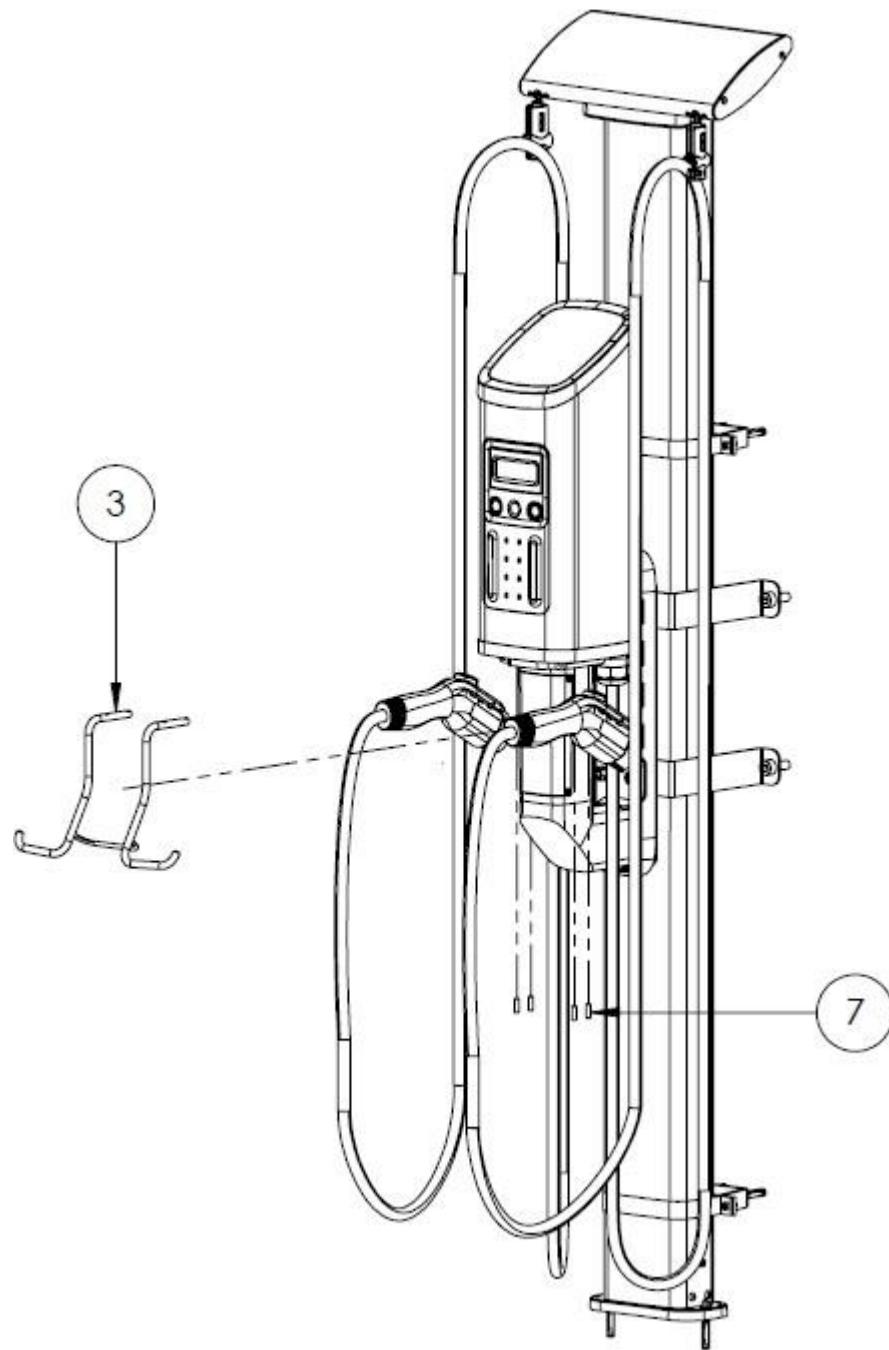
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
01	HEAD UNIT ASSEMBLY	01	-
08	HEAD UNIT MOUNTING SCREWS - M5 X 20mm	04	4mm ALLEN KEY

### ⚠ WARNING

**VERIFY ALL CONDUCTORS ARE DE-ENERGIZED. COMPLETE ALL ELECTRICAL CONNECTIONS PRIOR TO STEP 4. SEE SYSTEM REQUIREMENTS SECTION FOR CONNECTION DETAILS.**

RE-INSTALL ACCESS PLATE COVER UPON COMPLETION OF ELECTRICAL CONNECTIONS.

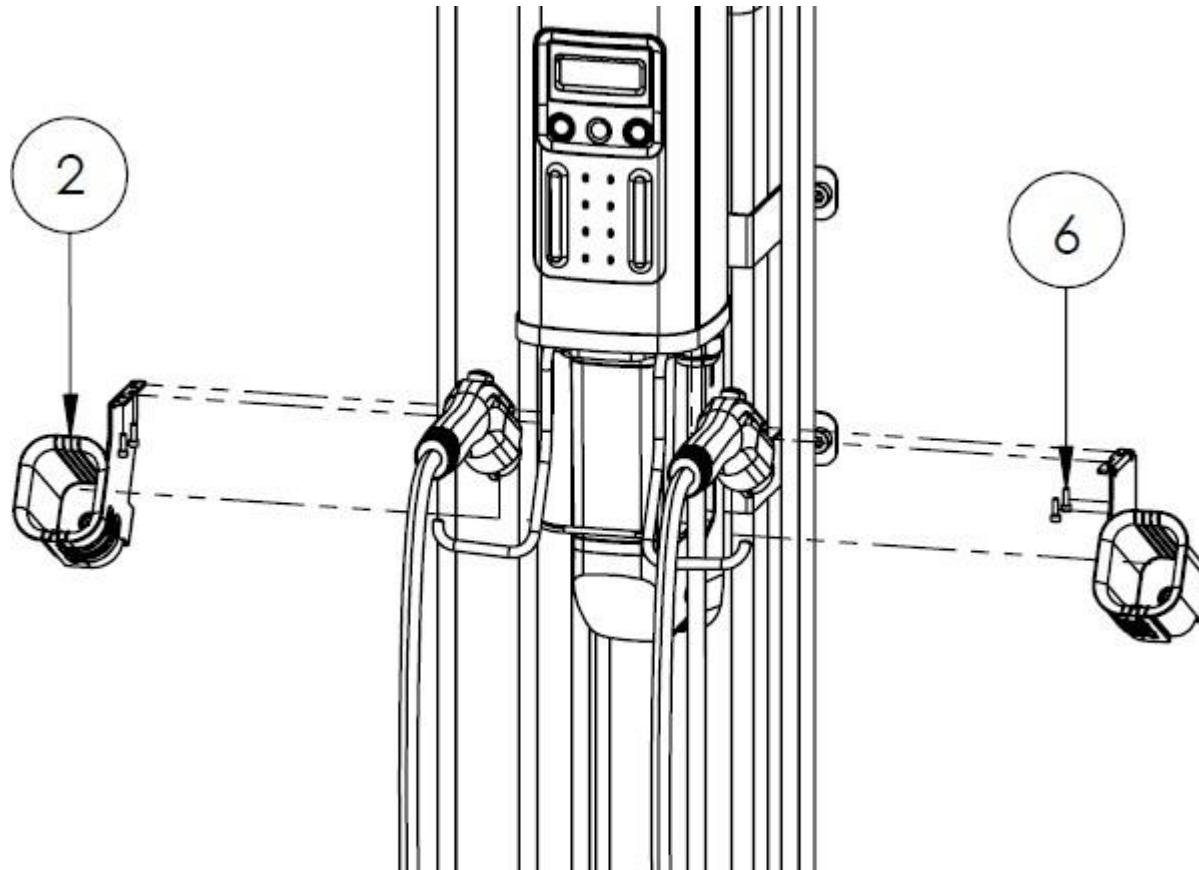
7. INSTALL CABLE RACK (CABLE RACK OPTIONAL WITH CMS)



SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
03	CABLE RACK	01	-
07	CABLE RACK SCREWS - M4 X 6mm	04	2mm ALLEN KEY

## 8. INSTALL CABLE HOLSTERS

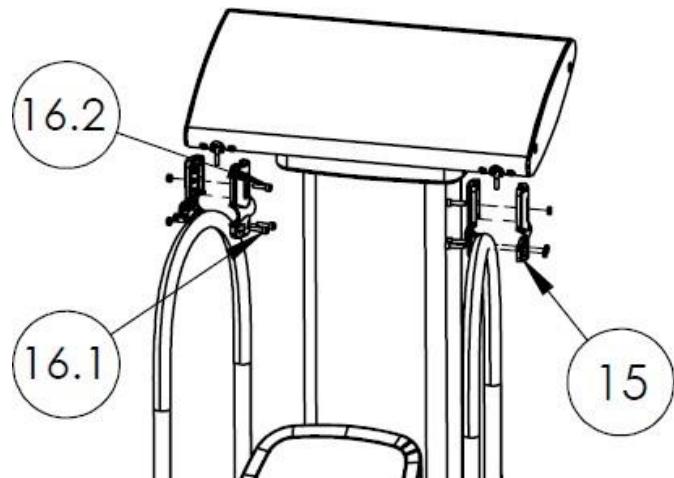
**Note: A 8" (200 MM) SHANK, 4 MM ALLEN WRENCH IS REQUIRED TO ATTACH THE CABLE HOLSTERS TO THE CHARGING STATION**



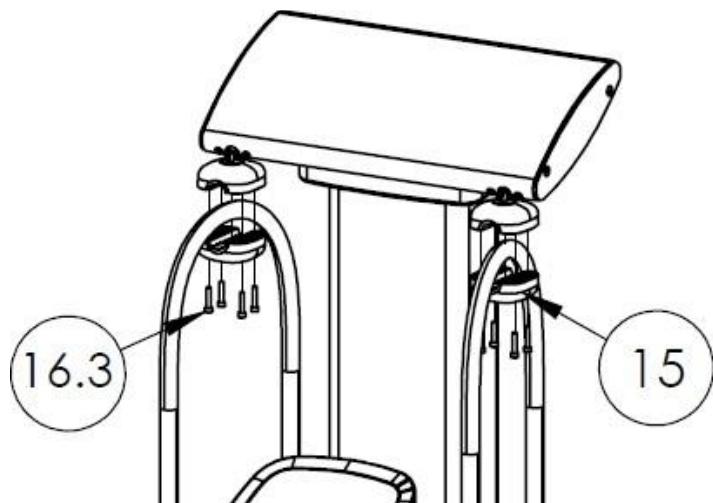
SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
02	HOLSTER ASSEMBLY	02	-
06	HOLSTER MOUNTING SCREWS - M5 X 10mm	04	4mm X 8" SHANK ALLEN KEY

## 9. INSTALL CABLE MANAGEMENT SYSTEM OUTPUT CABLE CLAMPS

### 30A/48A Cable Clamp



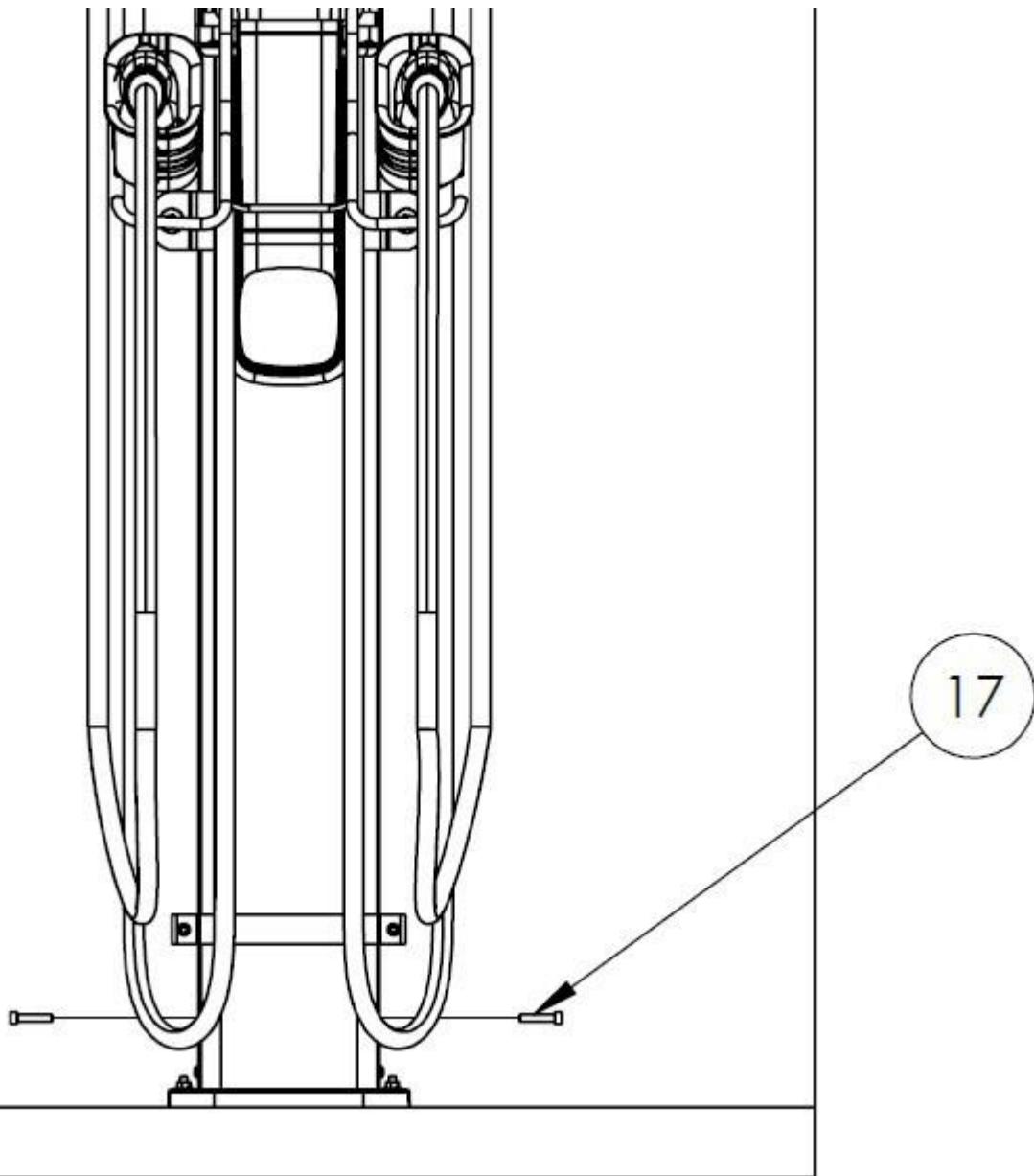
### 80A Cable Clamp



**18' Cable** – Install clamp 9' from the output cable J1772 coupler

**25' Cable** – Install clamp 14.5' from the output cable J1772 coupler

SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
15	OUTPUT CABLE CLAMPS	02	-
16.1	OUTPUT CABLE CLAMP SCREWS - M4 X 10mm	04	3mm ALLEN KEY
16.2	OUTPUT CABLE CLAMP SCREWS - M4 X 16mm	02	3mm ALLEN KEY
16.3	OUTPUT CABLE CLAMP SCREWS - M4 X 20mm	08	3mm ALLEN KEY

**10. REMOVE CABLE MANAGEMENT SYSTEM (CMS) COUNTERWEIGHT RETENTION BOLTS**

SL. NO	DESCRIPTION	QTY	TOOL REQUIRED
17	CABLE MANAGEMENT SYSTEM COUNTER WEIGHT RETENTION BOLTS - M6 X 30mm	02	5mm ALLEN KEY

## START-UP

### 1. STATION REGISTRATION

#### NOTICE

Once your stations have been installed and prior to initial energization, **please contact Customer Service at +1 888 998 2546 or [Support@blinknetwork.com](mailto:Support@blinknetwork.com) to complete station enrollment.**

If modified output configurations are needed, please provide the following information for each station:

- Panel voltage: **(Example - 120/208V or 120/240V)**
- Circuit numbers & amperage feeding the charging stations: **(Example – CKT 37/39 2 Pole 60A)**
- Serial Numbers connected to each circuit number: **(Example: BAE\*\*\*\*\* Circuit 37/39)**

If load management is needed, please provide the following information for each station:

- Panel(s) name: **(Example – PNL1B)**
- Panel(s) voltage & amperage: **(Example - 120/208V 225A)**
- Circuit numbers & amperage feeding the charging stations: **(Example – CKT 37/39 2 Pole 100A)**
- Serial Numbers connected to each circuit number: **(Example: BAE\*\*\*\*\* Circuit 37/39)**

### 2. ENERGIZATION AND TROUBLE SHOOTING

#### NOTICE

After installation, station registration, and load management and/or modified output configurations have been completed (if applicable) the Blink station is ready to be energized. After energizing the station, both at-a-glance LED lights should illuminate GREEN. If both station at-a-glance LED lights do not illuminate GREEN, please refer to the following troubleshooting guidance:

- No LED lights or LCD screen: Voltage not present. Verify proper wiring, voltage, and circuit breaker(s) status
- Both LED lights RED, LCD screen displays, "Customer Service 1-800-663-5633": Station registration needs to be completed
- Both LED lights RED, LCD screen displays, "GF 0800": Grounding problem. Check/verify solidly grounded electrical system integrity
- One LED light RED, one LED light GREEN, LCD screen displays, "GF 0100" or "GF0900": Voltage is not present to side of station illuminated RED. Verify proper wiring, voltage, and circuit breaker(s) status
- Both LED lights PURPLE, LCD screen displays, "Station Offline, Limited Access": Station not communicating with Blink Network platform due to inadequate cellular signal

Please contact Blink Customer Service at **+1 888 998 2546** for any questions or issues not listed.

### 3. HOUSEKEEPING

#### **⚠WARNING**

Blink EV charging stations may be cleaned in accordance with the following guidance:

- Use clean, soft cloth along with mild detergent to wash the dirt off
- Pour water gently from the top and use a wet/dry cloth to clean all the sides
- **Do not use excessive water pressure**
- **Do not use strong detergents or any other chemicals (acids, petrol, thinner, or any other solvent)**
- **Avoid exerting excessive pressure on the device while cleaning**
- **Do not open the device**
- **Do not use a vacuum cleaner**