



# INSTRUCTION SHEET

## Telescoping Stand

21/23/28" Cyclone Separators

#STZ210000

#STZ230000

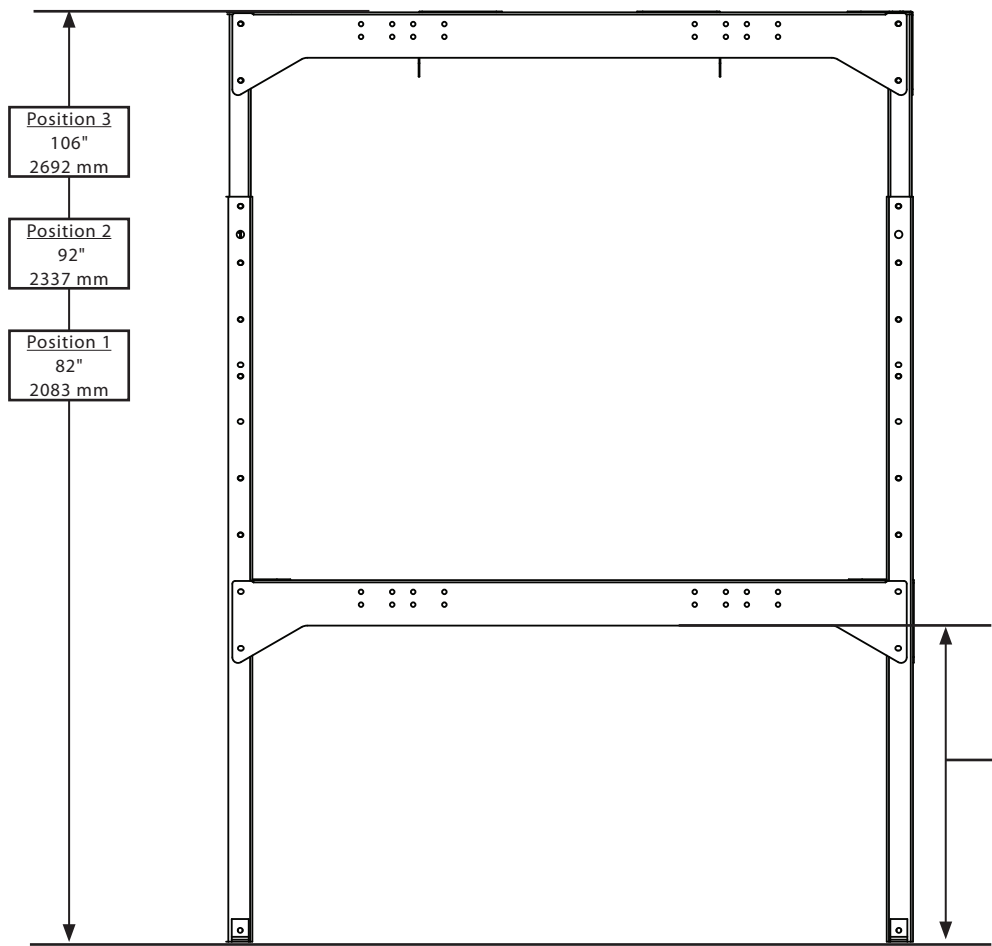
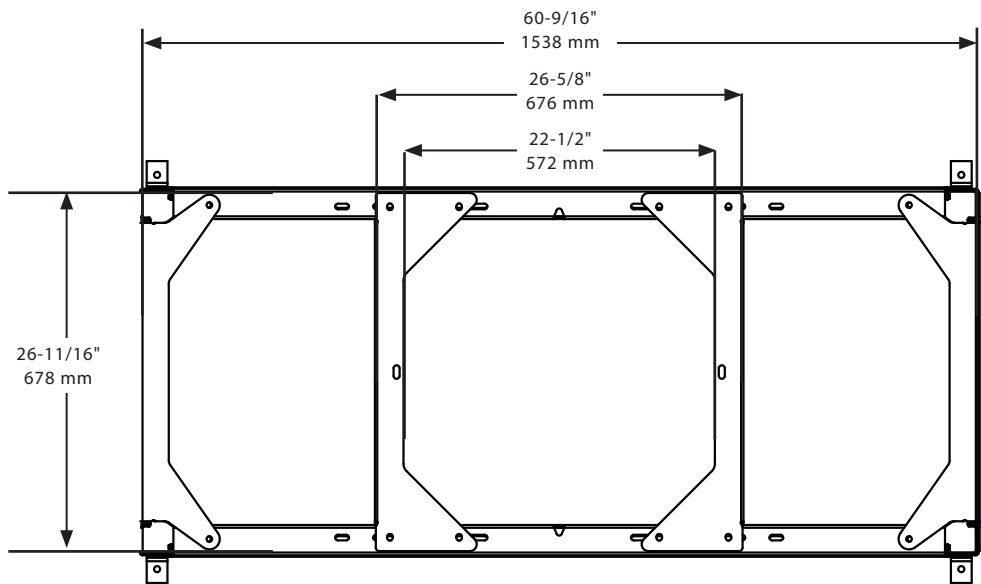
#STZ280000



*Actual appearance may vary to that shown above.*

# 21" Stand Dimensions

*Note: The Telescoping Stand is adaptable to a number of dust collection systems and is compatible with cyclone separators with central angle rings that are 21, 23, or 28" in diameter. The height will vary for each configuration.*

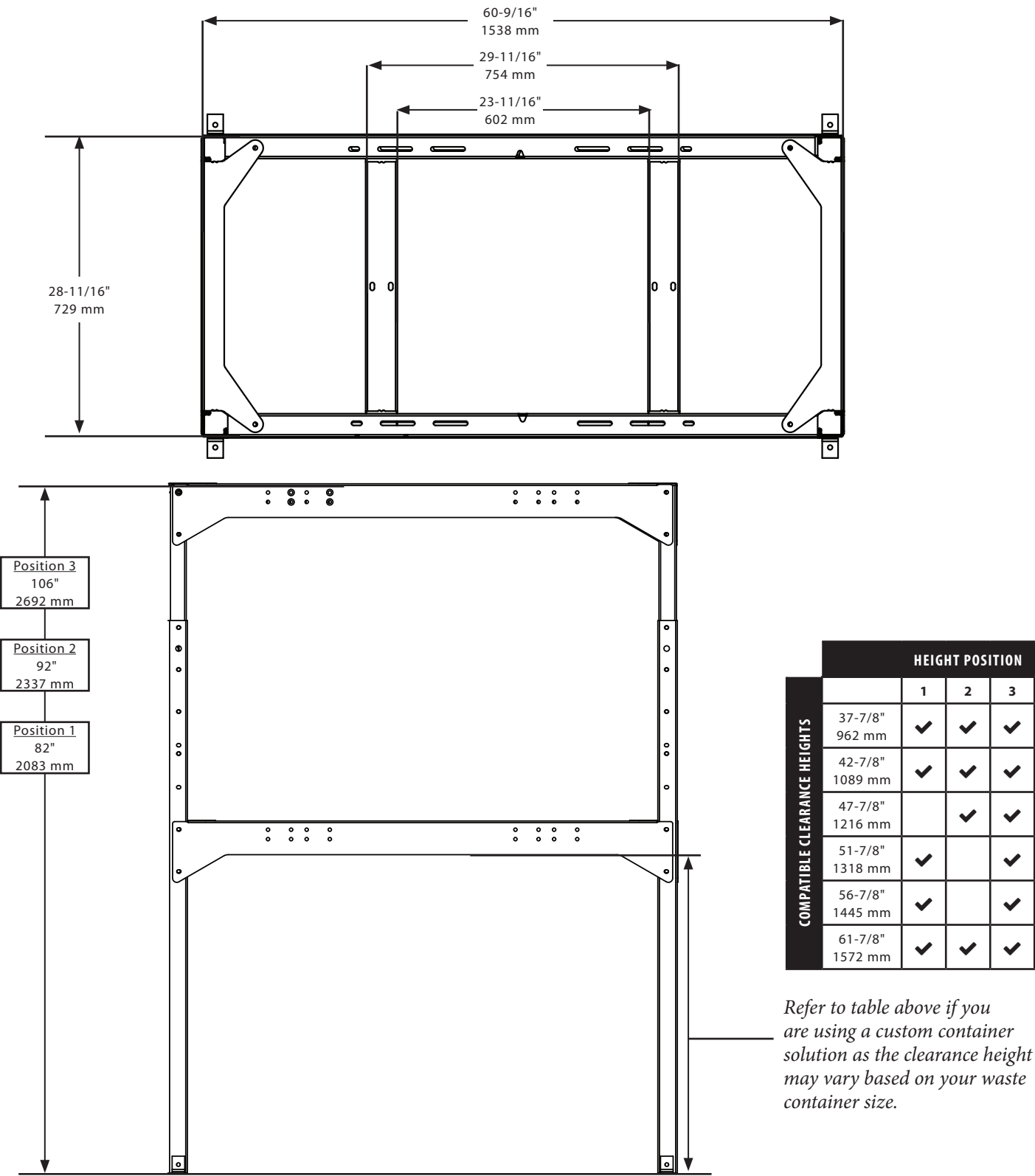


HEIGHT POSITION			
	1	2	3
37-7/8" 962 mm	✓	✓	✓
42-7/8" 1089 mm	✓	✓	✓
47-7/8" 1216 mm		✓	✓
51-7/8" 1318 mm	✓		✓
56-7/8" 1445 mm	✓		✓
61-7/8" 1572 mm	✓	✓	✓

Refer to table above if you are using a custom container solution as the clearance height may vary based on your waste container size.

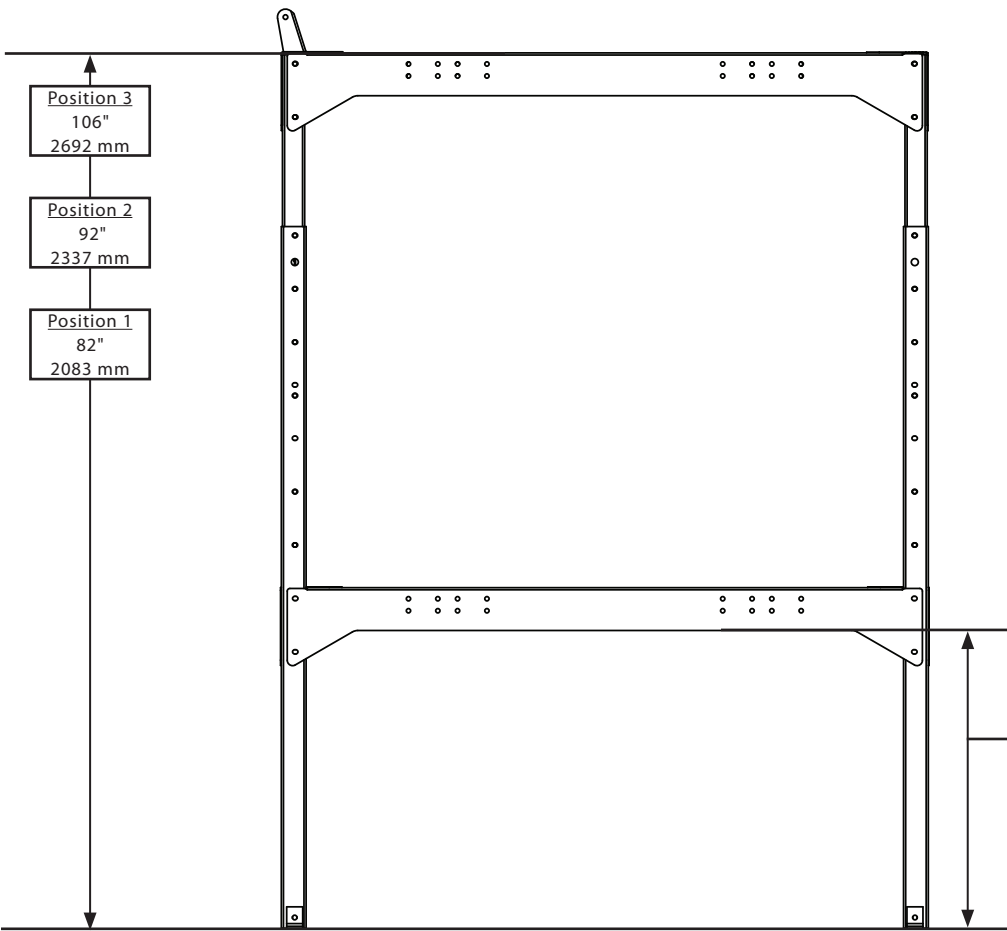
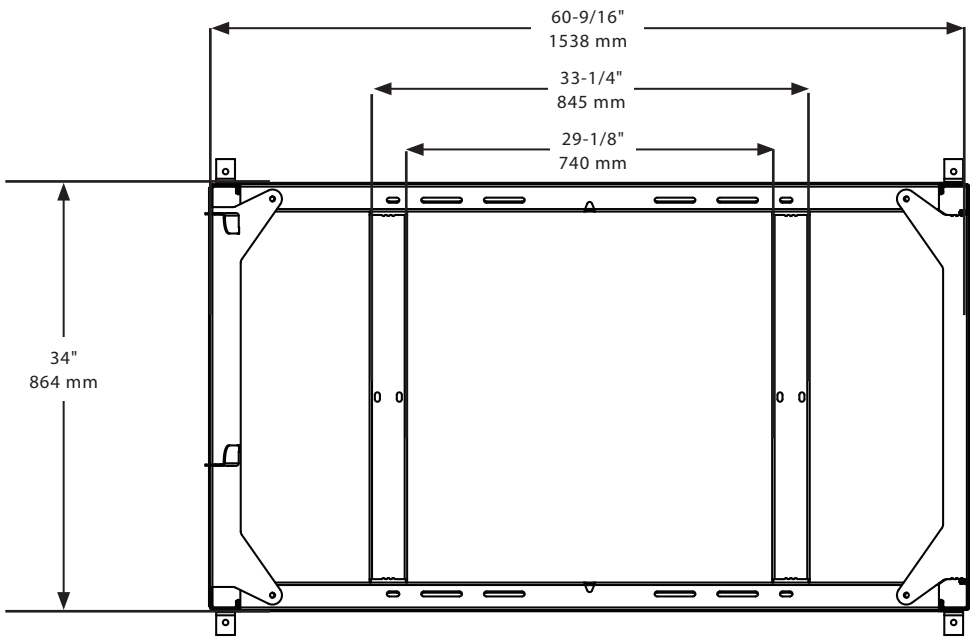
# 23" Stand Dimensions

*Note: The Telescoping Stand is adaptable to a number of dust collection systems and is compatible with cyclone separators with central angle rings that are 21, 23, or 28" in diameter. The height will vary for each configuration.*



# 28" Stand Dimensions

*Note: The Telescoping Stand is adaptable to a number of dust collection systems and is compatible with cyclone separators with central angle rings that are 21, 23, or 28" in diameter. The height will vary for each configuration.*



HEIGHT POSITION			
	1	2	3
37-7/8" 962 mm	✓	✓	✓
42-7/8" 1089 mm	✓	✓	✓
47-7/8" 1216 mm		✓	✓
51-7/8" 1318 mm	✓		✓
56-7/8" 1445 mm	✓		✓
61-7/8" 1572 mm	✓	✓	✓

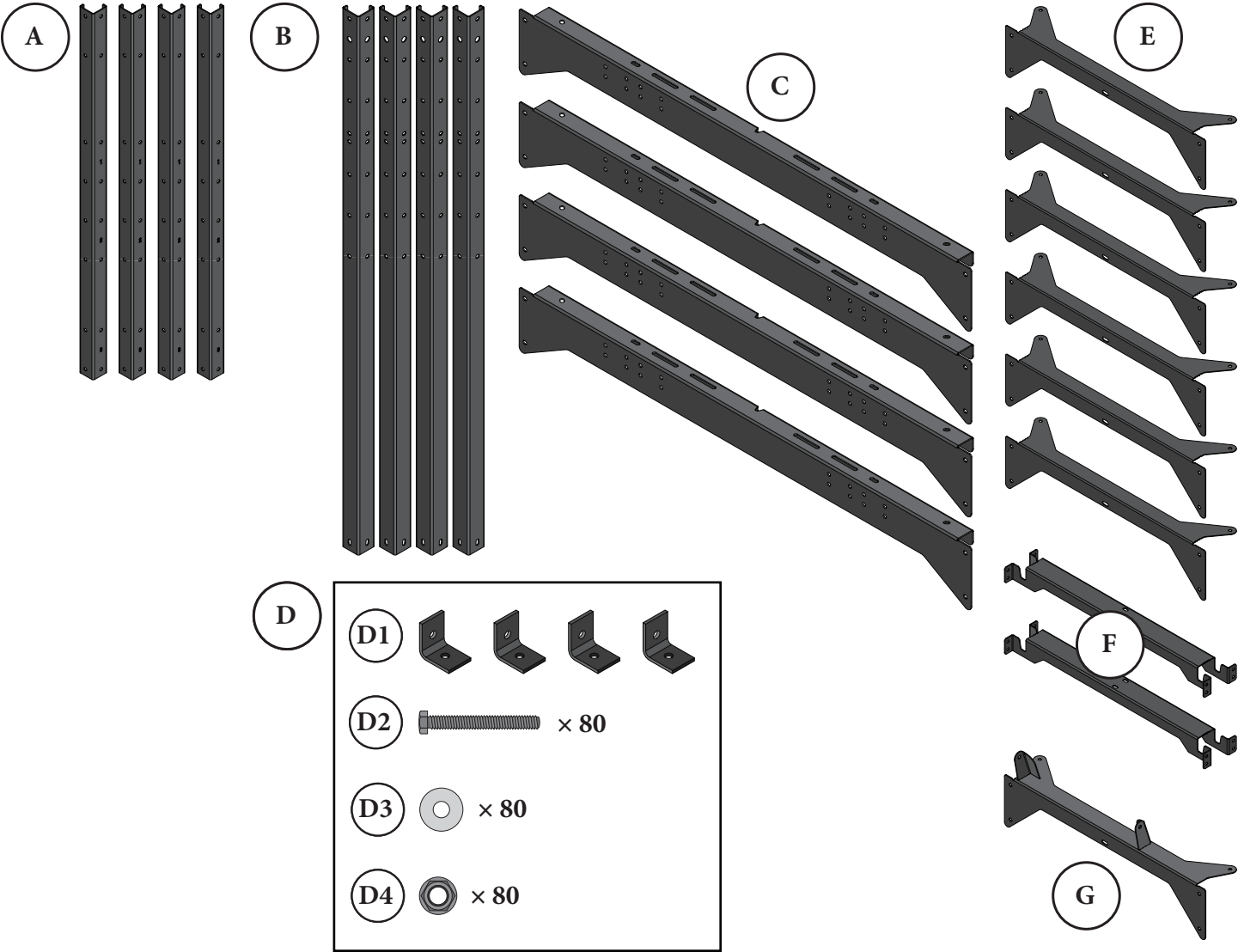
Refer to table above if you are using a custom container solution as the clearance height may vary based on your waste container size.

# System Contents

ID	PART #	DESCRIPTION	QTY
A	STX283101	Top Telescoping Leg	4
B	STX283102	Bottom Telescoping Leg	4
C	STX283103	Long Support Brace	4
D	AHX282321	Stand Hardware Pack	1
D1	STX002001	Stand Foot	4
D2	AFS015100	3/8-16 x 1" Hex-Head Bolt	80
D3	AFW190000	3/8" Flat Washer	80
D4	AFT000004	3/8-16" Whiz-Lock Nut	80

Please unpack the parts carefully and confirm you have received each item listed. There may be leftover hardware.

ID	PART #	DESCRIPTION	QTY
21" TELESCOPING STAND ONLY			
E	STX210001	Short Support Brace	6
23" TELESCOPING STAND ONLY			
E	STX230001	Short Support Brace	4
F	STX230002	Cyclone Support Brace	2
28" TELESCOPING STAND ONLY			
E	STX280001	Short Support Brace	3
F	STX280002	Cyclone Support Brace	2
G	FPB280001	Filter Plenum Support Brace	1



# Assembly Instructions



THE TELESCOPING STAND SHOULD BE INSTALLED ON A FLAT, STABLE BASE CAPABLE OF SUPPORTING THE WEIGHT OF THE ENTIRE SYSTEM (INCLUDING FULL WASTE CONTAINERS) ONCE ASSEMBLED.

REQUIRED TOOLS		RECOMMENDED TOOLS
9/16" Wrench	Impact Driver	Leveling Tool
9/16" Socket Wrench		2x4 Blocks
Torque Wrench		

\* You will need to supply your own mounting hardware if you wish to secure the Stand or Filter Option to the surface you are mounting it onto (e.g. screws, washers, lag bolts, nuts, etc.).

- 1
- Determine the location and orientation for your installation, taking careful note of which direction the dust collector's inlet and filter plenum will be facing [FIG. 1a].

Depending on your system's configuration, refer to the table shown in [FIG. 1b] for the Recommended Leg Position.

*Note: We recommend that the stand be assembled laying down and then raised into position later on.*

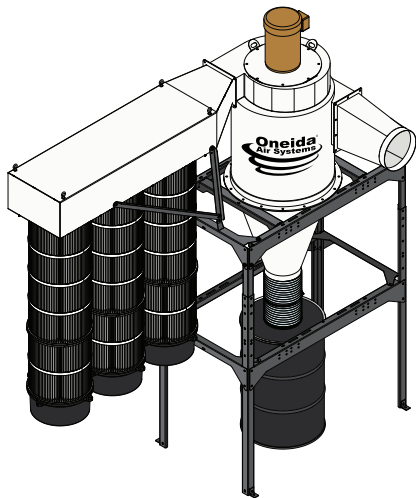


FIG. 1a

LEG POSITION RECOMMENDED				
SYSTEM CONFIGURATION		21" Cyclone 5 HP SMART	23" Cyclone 5 HP & 7.5 HP	28" Cyclone 10 HP
	Single Drum with/without Drum Dolly	Position 1	Position 1	Position 1
	Dual Drum with/without Drum Dolly	Position 2	Position 2	Position 2
	Airlock with 1 Cu. Yd. Hopper	Position 2	Position 2	Position 2
	Airlock with 1-1/2 or 2 Cu. Yd. Hopper	Position 3	Position 3	Position 3
	Airlock with Transfer Blower	ANY	ANY	ANY

FIG. 1b

# Assembly Instructions (Continued)

2

Identify the positioning hole on each of the Bottom Legs (B) and then slide a Top Leg (A) into each of the Bottom Legs until the desired height marker (#1, 2, or 3) is visible inside the positioning hole [FIG. 2a]. Secure the Legs together using four Bolts (D2), four Washers (D3), and four Whiz-Nuts (D4) installed above and below the positioning hole [FIG. 2b].

Repeat for each of the remaining Leg pairings until you have four Leg Assemblies.

*Note: The stand will adjust to three different heights to accommodate varying waste containers (dual-drum, airlock, etc.). You will use the same height marker for each Leg.*

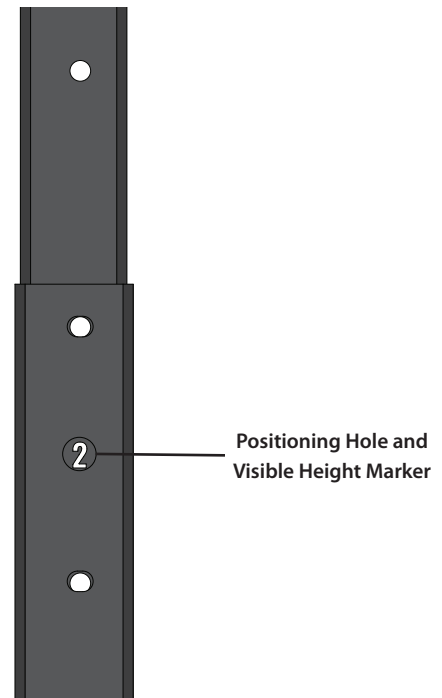


FIG. 2a

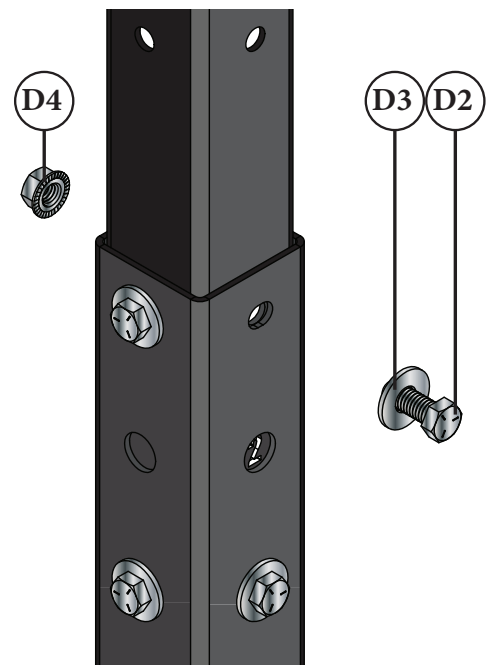


FIG. 2b

# Assembly Instructions (Continued)

**3** Place two Leg Assemblies from the previous step on the ground about 5' apart . Align the Leg Assemblies so the positioning holes are facing up. Lay two Long Braces (C) onto the Leg Assemblies to form the shape shown in [FIG. 3a].

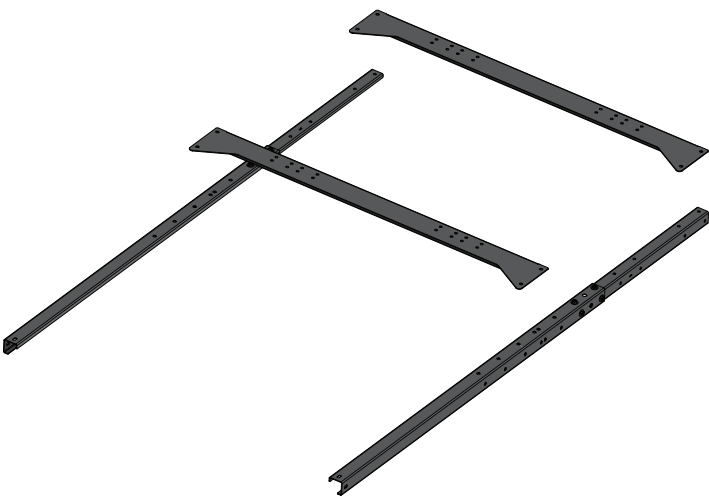


FIG. 3a

The Lower Long Brace must be positioned at the correct clearance height for your waste containment setup. Refer to the table shown in [FIG. 3b] to see which is right for your system.

Refer to the table shown below for all available clearance heights at each height position.

COMPATIBLE CLEARANCE HEIGHTS	HEIGHT POSITION			
		1	2	3
	37-7/8" 962 mm	✓	✓	✓
	42-7/8" 1089 mm	✓	✓	✓
	47-7/8" 1216 mm		✓	✓
	51-7/8" 1318 mm	✓		✓
	56-7/8" 1445 mm	✓		✓
	61-7/8" 1572 mm	✓	✓	✓

CONFIGURATION	CLEARANCE NEEDED	
	Single Drum with/without Drum Dolly	40" 1016 mm
	Dual Drum with/without Drum Dolly	40" 1016 mm
	Airlock with 1 Cu. Yd. Hopper	43" 1092 mm
	Airlock with 1-1/2 or 2 Cu. Yd. Hopper	50" 1270 mm
	Airlock with Transfer Blower	N/A

FIG. 3b

Secure the Long Braces to the Leg Assemblies using four Bolts (D2), four Washers (D3), and four Whiz-Nuts (D4) [FIG. 3c].

*Note: Finger tighten only at this time.*

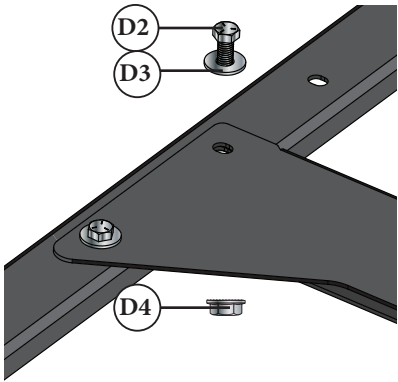


FIG. 3c



# Assembly Instructions (Continued)

4

Flip the Assembly over and attach two Short Braces (E) to each Long Brace (C) so that its fins rest on top of the Brace and then secure in place using three Bolts (D2), three Washers (D3), and three Whiz-Nuts (D4) [FIG. 4a].

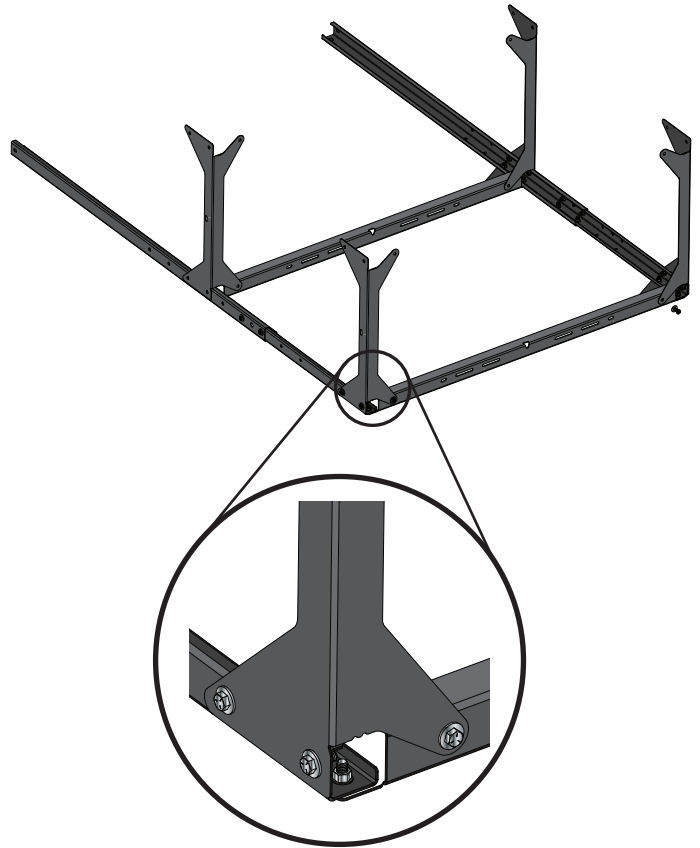


FIG. 4a

If you are installing a 28" Cyclone, you will replace one of the top Short Braces with the Plenum Support Brace (G) on the side where your Filter Plenum will be located [FIG. 4b].

*Note: Finger tighten only at this time.*

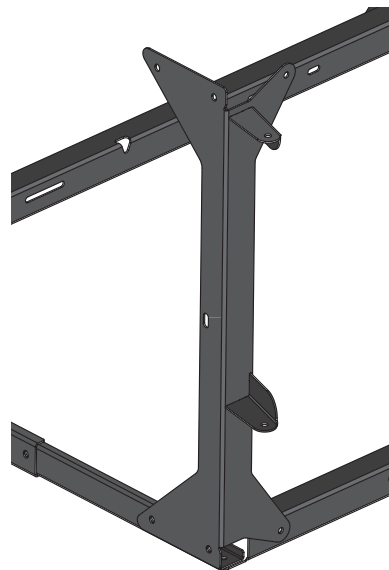


FIG. 4b

# Assembly Instructions (Continued)

5

Attach the two remaining Leg Assemblies to each end of the previously installed Short Braces as shown in [FIG. 5a]. Ensure that all Leg Assemblies are attached in matching positions.

Secure each Leg Assembly to two Short Braces using four Bolts (D2), four Washers (D3), and four Whiz-Nuts (D4) [FIG. 5b].

*Note: Finger tighten only at this time.*

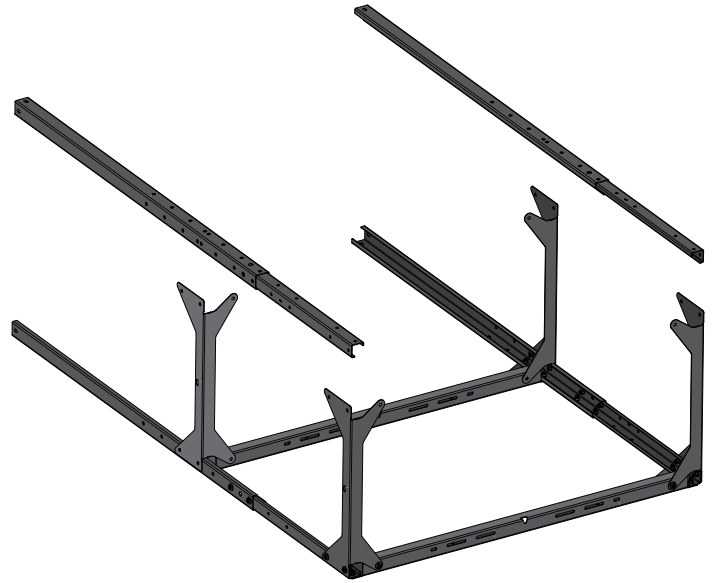


FIG. 5a

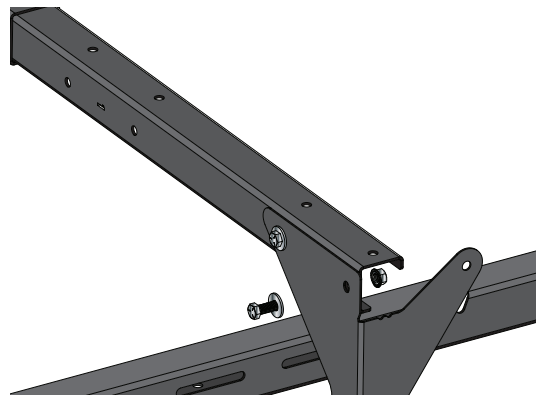


FIG. 5b

6

Attach the two remaining Long Braces (C) to the Stand Assembly, making sure that they align underneath the fins of the installed Short Braces (E). Secure them in place using six Bolts (D2), six Washers (D3), and six Whiz-Nuts (D4) for each Long Brace [FIG. 6].

*Note: Finger tighten only at this time.*



FIG. 6

# Assembly Instructions (Continued)

7

If you are installing a 21" Cyclone, attach the two remaining Short Braces (E) on top of the two upper Long Braces and secure in place with four Bolts (D2), four Washers (D3), and four Whiz-Nuts (D4) for each Short Brace [FIG. 7a].

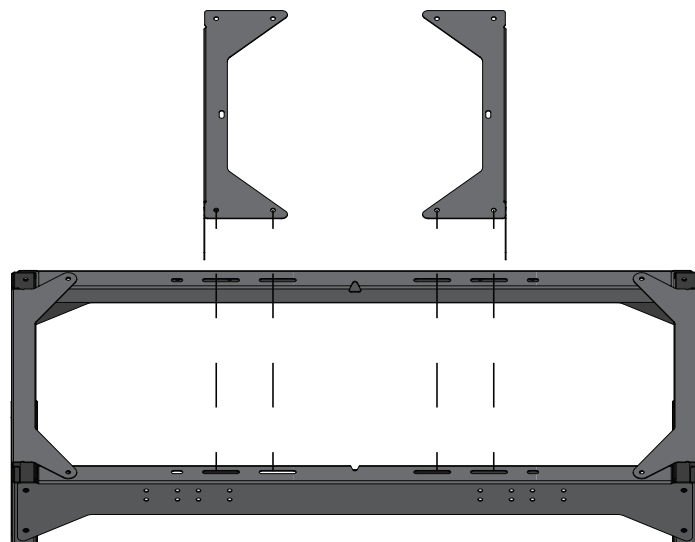


FIG. 7a

If you are installing a 23" Cyclone, attach the two Cyclone Supports (F) underneath the two Long Braces (C) at the top of the Stand and align its holes with the inside pair of bolt holes [FIG. 7b] before securing in place with eight Bolts (D2), eight Washers (D3), and eight Whiz-Nuts (D4) for each Cyclone Support.

*Note: For ease of installation, raise the top of the stand assembly with blocks to install the hardware.*

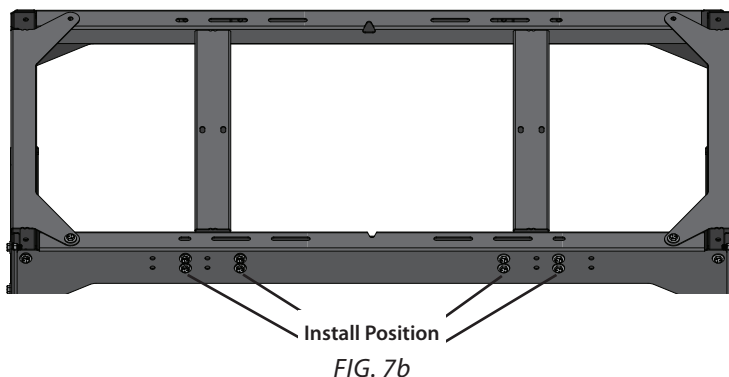


FIG. 7b

If you are installing a 28" Cyclone, attach the two Cyclone Supports (F) underneath the two Long Braces at the top of the Stand and align its holes with the outside pair of bolt holes [FIG. 7c] before securing in place with eight Bolts (D2), eight Washers (D3), and eight Whiz-Nuts (D4) for each Cyclone Support.

*Note: For ease of installation, raise the top of the stand assembly with blocks to install the hardware.*

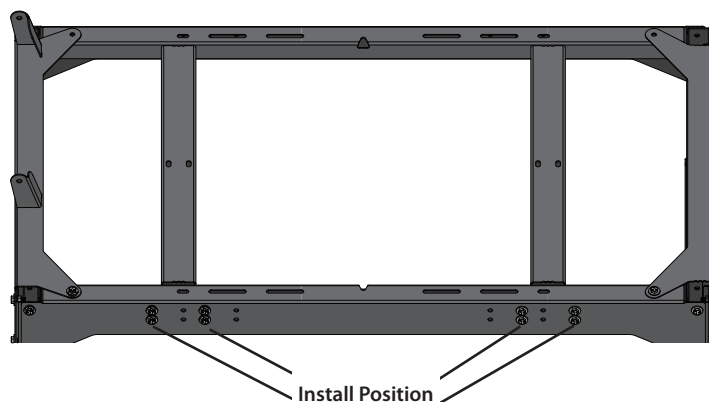


FIG. 7c

# Section Heading



**THE TELESCOPING STAND CAN BECOME QUITE HEAVY ONCE FULLY ASSEMBLED AND MAY SHIFT SLIGHTLY WHEN BEING MOVED. WE RECOMMEND HAVING AT LEAST TWO PEOPLE AVAILABLE TO HELP LIFT THE STAND INTO PLACE.**

**8**

Raise the Stand up and ensure that all components are squared and level before tightening the hardware [FIG. 8].

We recommend torquing all of the bolts down to 250 in.-lbs. (~20 ft.-lbs.).

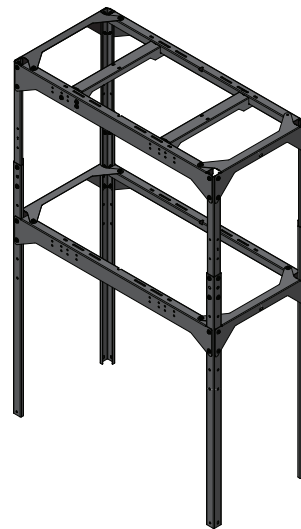


FIG. 8

**9**

Attach a Stand Foot (D1) to the bottom of each Leg Assembly. Secure the Foot in place using a Bolt (D2), Washer (D3), and Whiz-Nut (D4) . [FIG. 9a]

*Note: We recommend that all feet be installed so that they are facing forward and backwards [FIG. 9b] from the center of the system to ensure proper stability during operation.*

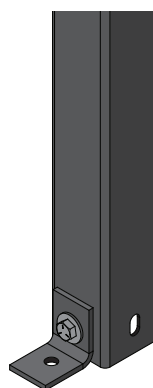


FIG. 9a



FIG. 9b

**10**

If desired, the Stand can be bolted down to the floor through the holes on the Stand Feet (D1).

*Note: You will need to supply your own hardware (e.g. screws, washers, lag bolts, etc.) for securing the system to the floor.*

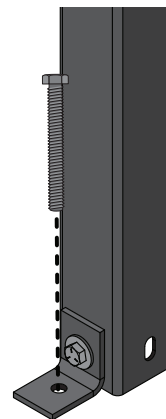


FIG. 10



*The* **Industry Leader in Dust Collection**

Thank you for your business!

Regardless of where you purchased your system, if you have any questions or issues with missing / damaged parts, please call Oneida Air Systems first to let us help resolve your problem. We fully stand behind the quality of our product and place the utmost value on our customer's satisfaction.

We want to do everything possible to make your purchase and experience with Oneida Air Systems a good one!

**Customer Service Dept.**

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