

Installation Instructions

Supreme Air **BENCH FUME HOOD** with Horizontal Sliding Sash

H70
S T Y L E
Fume Hoods
48" - 60" - 72" - 96" long

Supreme Air Bench Hood

Fume Hood w/Horizontal Sliding Sash

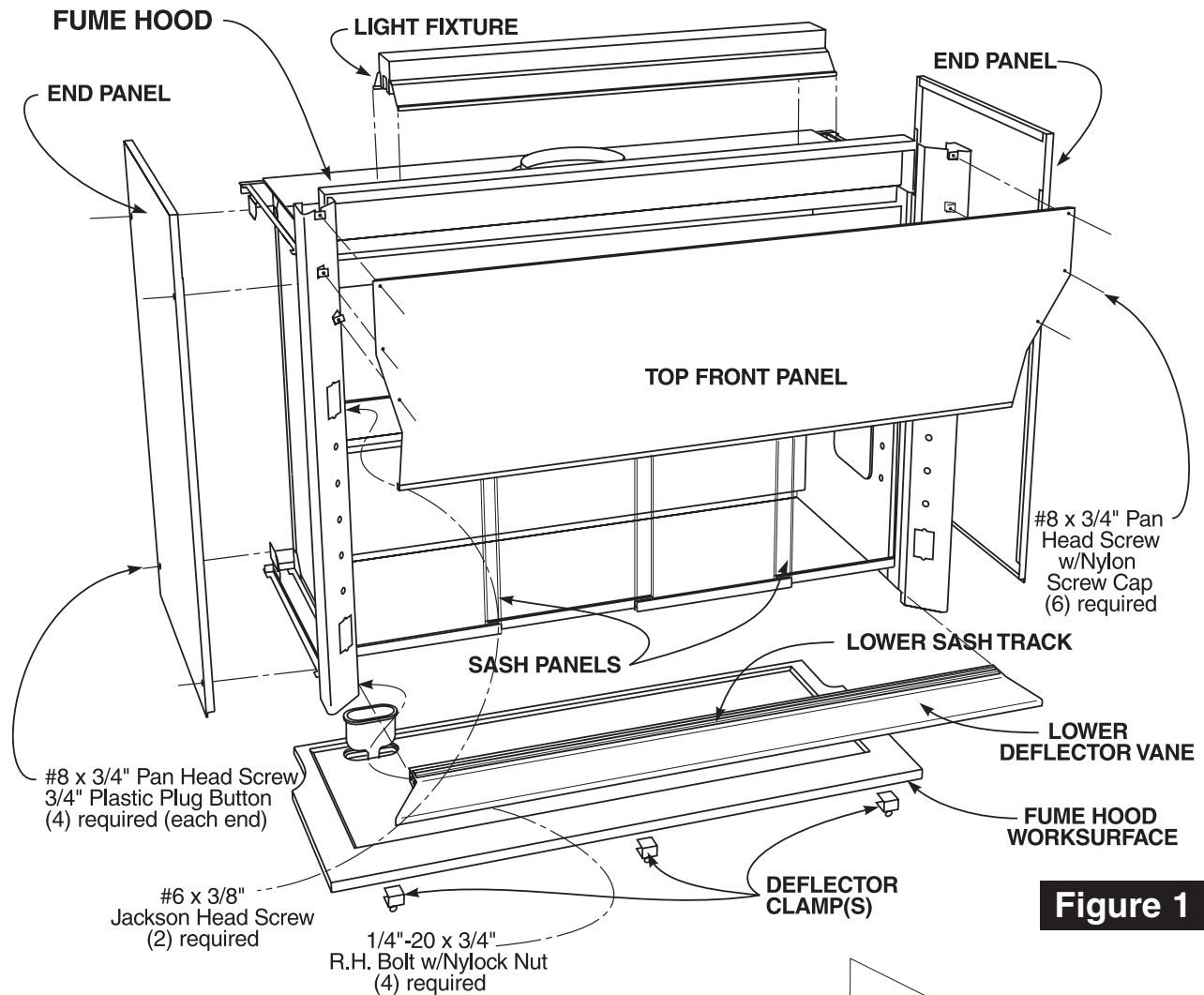


Figure 1

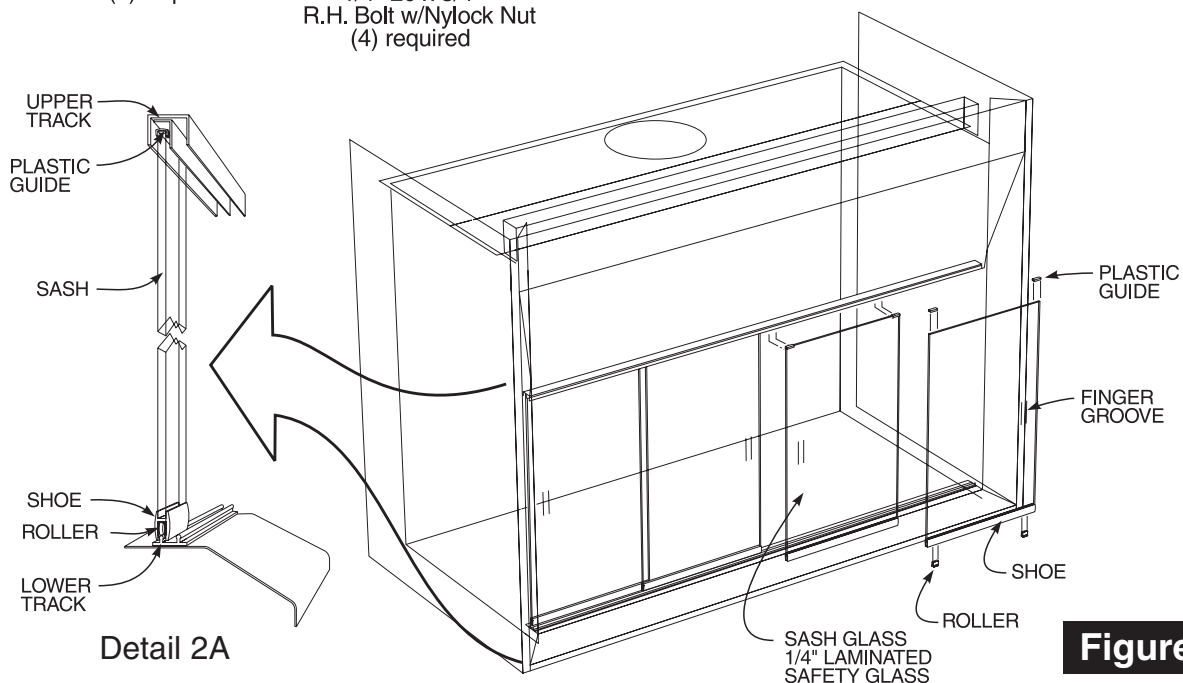


Figure 2

Supreme Air Bench Hood

Fume Hood w/Horizontal Sliding Sash

Packing List

On Pallet	Fume Hood	Hardware Package
	Sash Panels (2 cartons)	(10) Nylon Screw Caps (EXTRAS)
	(4) Glass Panels w/Shoes attached	(10) 3/4" Plastic Plug Buttons (2 EXTRAS)
	(8) Roller & Plastic Guides	(3) Deflector Clamps
	Hardware Package	

NOTICE Fume Hood Worksurface is packaged separately.

Preparation

1. Place, level, and install the **Base Unit Assembly** that will support the **Fume Hood** as shown on page 4.
2. Attach the **Fume Hood Worksurface** to the **Base Unit Assembly** at the corners using epoxy cement or similar adhesive.

NOTICE Worksurface should be centered on units and overhang the front by 1". Worksurface must be level. Shim beneath as needed.

3. Uncrate **Fume Hood** taking care to sort and inventory all parts.
4. Remove **End Panels** from **Fume Hood** and remove screws holding **Fume Hood** to pallet. (Save End Panel screws to reattach End Panel later.)
5. Remove all packing from **Fume Hood** and any tape holding parts in place for shipping.

NOTICE Fume Hood is packed fully assembled except for Sash Glass. The Light Fixture, Top Front Panel, and Lower Deflector Vane may be removed to fit through narrow doorways and/or for easier access.

NOTICE Generally electrical fixtures and plumbing fittings are shipped installed, but may be shipped loose depending on job requirements. Fittings may also be pre-wired and/or pre-piped. Fixtures are not shown on assembly diagram as quantities and locations vary to meet individual requirements.

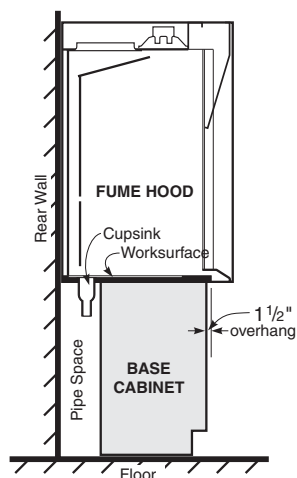
Installation

6. Using as many workers as needed, lift assembled **Fume Hood** and place on leveled **Worksurface**. Make sure hood is pushed back as far as possible and centered on **Base Unit Assembly**.
7. Attach the spacer tabs on the bottom of the **Lower Deflector Vane** to the **Worksurface** using the **Deflector Clamps**.
8. Coordinate connections of service fittings, electrical fixtures, and ductwork with the respective trades (i.e. mechanical, electrical, HVAC). After connections are complete, replace interior **Access Panels**, if removed, and the exterior **End Panels**. Cover screw holes in **End Panels** with 3/4" **Plastic Plug Buttons**.
9. Remove **Sash Panels** from cartons (packed 2 per carton) and locate package(s) of **Rollers** and **Plastic Guides**.
10. Snap (2) **Rollers** into bottom of each **Sash Panel Shoe**. Locate **Rollers** about 1/2" in from each end.
11. Press (2) **Plastic Guides** onto top edge of each **Sash Panel**. Locate ends of **Guides** even with edge of glass.
12. Place **Sash Panels** into hood opening by first inserting top of **Panel** into **Upper Track**, then lowering onto **Lower Track**.

NOTICE Place two Panels on back track, and two on front track, with finger grooves located as shown in Figure 2.

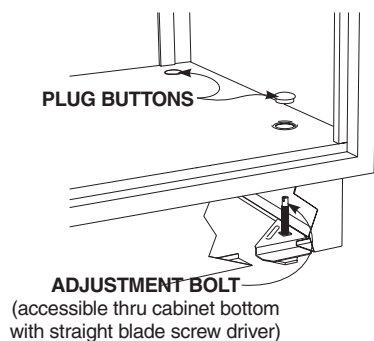
13. Inspect the complete installation, remove any dust, dirt, or other debris. Check all moving parts for proper operation, and adjust or lubricate as necessary.

Base Unit Assembly for Bench Type Fume Hoods



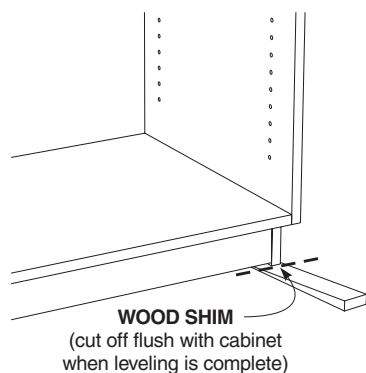
Detail 1

Fume Hood Base Cabinet Location



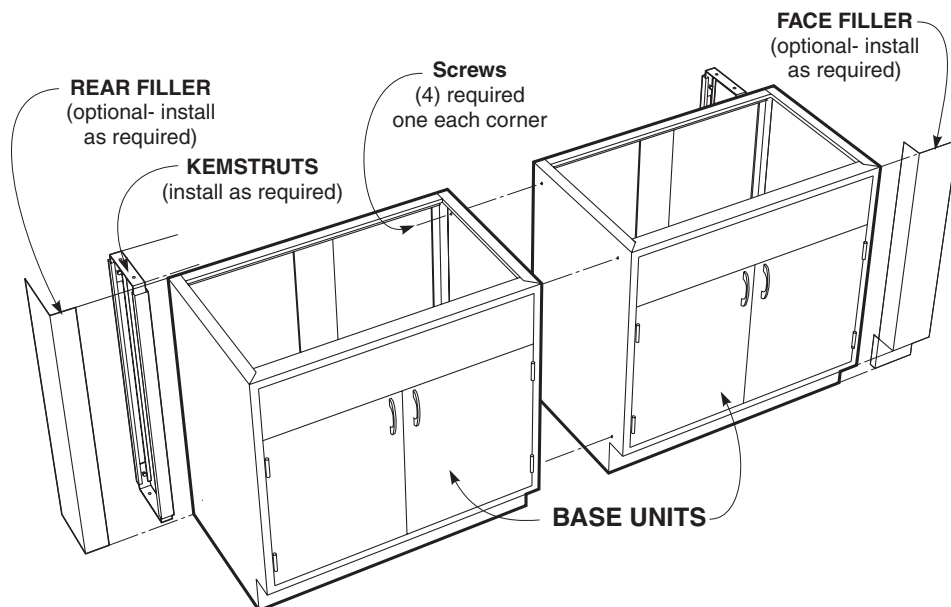
Detail 2S

Steel base cabinets are leveled using the adjustment bolts located in the cabinet base.



Detail 2W

Wood base cabinets are leveled using wooden shims, available at any lumber yard or home center.



Preparation

1. Locate and mark hood and base cabinet locations making sure area is clear of obstructions and debris. Be sure all conduit, duct work and service lines have been run and are ready for final connections.

NOTICE Kemstruts and other pipe or worksurface supports should be installed before the base cabinets are moved into place.

2. Locate the high point of the floor within the area that the base cabinets will be installed.

Installation

3. Starting with the base cabinet on the highest point on the floor, move the first cabinet into location. Make sure the back of the cabinet is located 8" from the rear wall, as shown in Detail 1 above, and in proper relationship to adjacent walls or equipment as shown on job drawings and floor plans.

4. Using a four foot carpenters level, level the cabinet; side-to-side, front-to-back, and diagonally. (see Detail 2S and 2W to the left for leveling methods)

NOTICE Blocks or cleats may be used to fasten cabinets to floor or walls to insure cabinets don't move during installation.

5. Move the next cabinet into position and clamp it to the first cabinet, making sure that the cabinet faces and tops are flush.

6. Level the cabinet, as in step 4.

7. Using four (4) screws, as listed below, fasten the two cabinets together at all four corners of the end panels.

Use #8 x 1-1/4" Flat Head screws for wood cabinets.

Use #8 x 1/2" Truss Head Sheet Metal screws for steel cabinets.

(pilot holes must be drilled in the steel cabinets before driving screws)

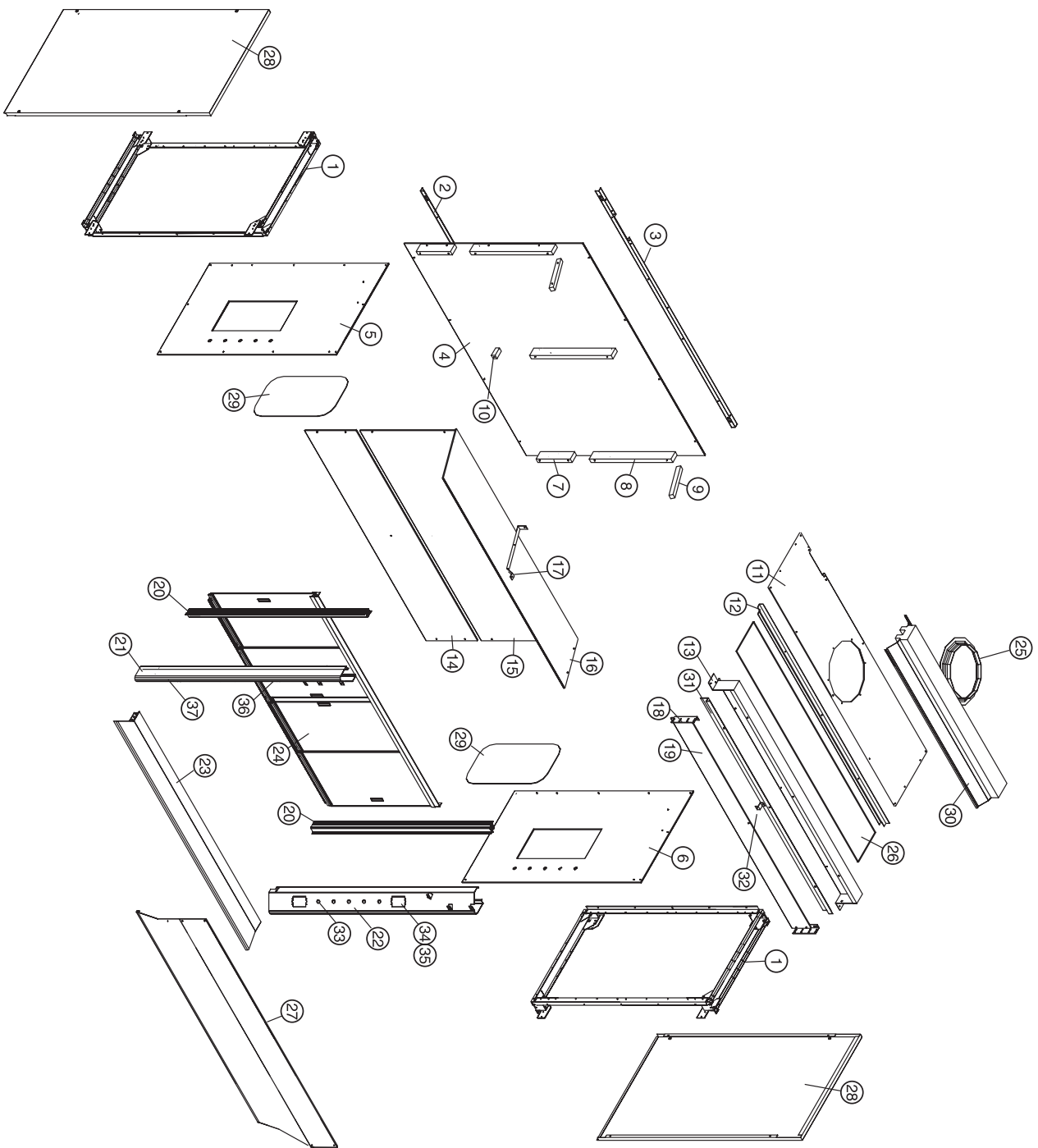
8. Complete hood installation and all mechanical connections before installing any required fillers or scribes.

NOTICE It is recommended that the polyethylene liner be removed from Acid Storage cabinets during installation to allow fastening to adjacent cabinets and ease plumbing connections. Be sure to replace when installation is complete.

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NOTES:



PRT	QTY	DESCRIPTION
37	2	DUPLEX RECEPTACLE
36	1	LIGHT SWITCH
35	1	FACE PLATE MOUNTING STRAP
34	1	BLANK FACE PLATE, ST/STEEL
33	1	PLUG BUTTONS, 3/4" DIA. HOLE
32	28	BYPASS BLOCK SUPPORT ANGLE
31	1	FUME RETAINER
30	1	LIGHT
29	2	ACCESS PANEL
28	2	END PANEL
27	1	FRONT PANEL ASSEMBLY
26	1	DUCT GLASS
25	1	DUCT COLLAR
24	1	SASH ASSEMBLY
23	1	DEFLECTOR VANE WELDMENT
22	1	RIGHT FACIA
21	1	LEFT FACIA
20	2	SASH TRACK ASSEMBLY
19	1	BYPASS BLOCK OFF PANEL
18	2	BYPASS BLOCK PANEL ANGLE
17	1	SLOPING BAFFLE STRAP
16	1	SLOPING BAFFLE
15	1	UPPER BAFFLE
14	1	LOWER BAFFLE
13	1	BYPASS PANEL
12	1	LIGHT ANGLE
11	1	TOP LINER PANEL
10	2	LOWER CENTER CLEAT
9	3	SLOPING CLEAT
8	2	UPPER CLEAT
7	2	LOWER SIDE CLEAT
6	1	RIGHT SIDE LINER PANEL
5	1	LEFT SIDE LINER PANEL
4	1	BACK LINER PANEL
3	1	TOP BACK LINER ANGLE
2	1	BOTTOM BACK LINER ANGLE
1	2	END FRAME WELDMENT

H70 Fume Hood - Parts Listing