



LABCONCO CORPORATION, 8811 PROSPECT, KANSAS CITY, MO. 64132, 816—333-8811

INSTRUCTION MANUAL

CANOPY HOOD

MODEL NO. 47990, 70990

<u>MANUAL NO.</u>	<u>DATE</u>	<u>REV.</u>	<u>REVISED PAGES</u>	<u>ECO NO.</u>
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NOTE: PRODUCT DESIGNS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



LABCONCO CORPORATION, 8811 PROSPECT, KANSAS CITY, MO. 64132, 816—333-8811

Dear Customer:

This letter is to ensure that you get the best performance from your Labconco product. We want to be sure you are satisfied. If damage has occurred in shipping, the customer must file a claim with the carrier **IMMEDIATELY! DO NOT** return any items to Labconco Corporation without written authorization from the factory. Contact Labconco Corporation directly for assistance on your equipment.

A great deal of care has gone into the engineering, production and ultimate quality control of your Labconco product. That is why we affix this badge to our products. Your satisfaction is of great concern to us.

A rectangular badge with rounded corners. At the top, it features the "LABCONCO" logo. Below the logo, the text "A QUALITY PRODUCT FROM LABCONCO" is printed. Underneath, there are two lines for "DEPT. MANAGER" and "QUALITY CONTROL", each followed by a horizontal line for a signature. At the bottom right, there is a line for the "DATE".

LABCONCO

A QUALITY PRODUCT FROM LABCONCO

DEPT. MANAGER _____

QUALITY CONTROL _____

_____ DATE

We know that even the best products require service from time to time. So if this is ever true of your Labconco product, call the Labconco Service Dept. directly at (816) 333-8811, and ask for our service manager for all of the assistance that you need.

We suggest you keep all of this material together. It's nice to know you are protected, even though you may never need it.

WARNING: THE DISPOSAL OF SUBSTANCES USED IN CONNECTION WITH THIS EQUIPMENT MAY BE GOVERNED BY VARIOUS FEDERAL, STATE OR LOCAL REGULATION. ALL USERS OF THIS EQUIPMENT ARE URGED TO BECOME FAMILIAR WITH ANY REGULATIONS THAT APPLY IN THE USERS AREA CONCERNING THE DUMPING OF WASTE MATERIALS IN OR UPON WATER, LAND OR AIR AND TO COMPLY WITH SUCH REGULATIONS.

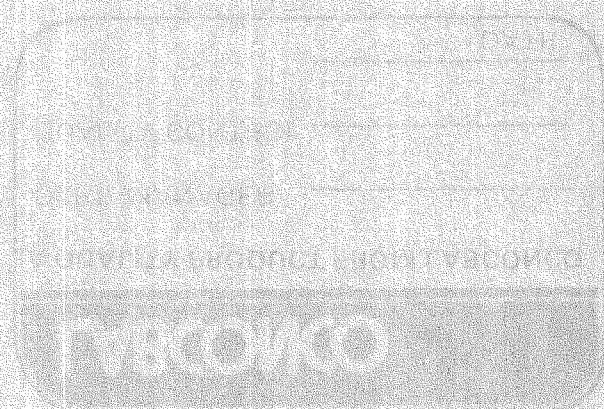
Sincerely,

LABCONCO CORPORATION

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THE SOUTH ALABAMA

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I. Introduction

A. General Description of Unit

The Labconco Canopy Hood is designed for special purpose functions in which heat, steam, or odors are generated. Large or bulky apparatus such as tissue processors, steam baths, or open Kjeldahls can be used in conjunction with the Canopy Hood. The epoxy-coated super structure has an integral baffle to increase slot velocities and enhance the overall capture efficiency of the hood.

B. Picture of Unit

(see page 2)

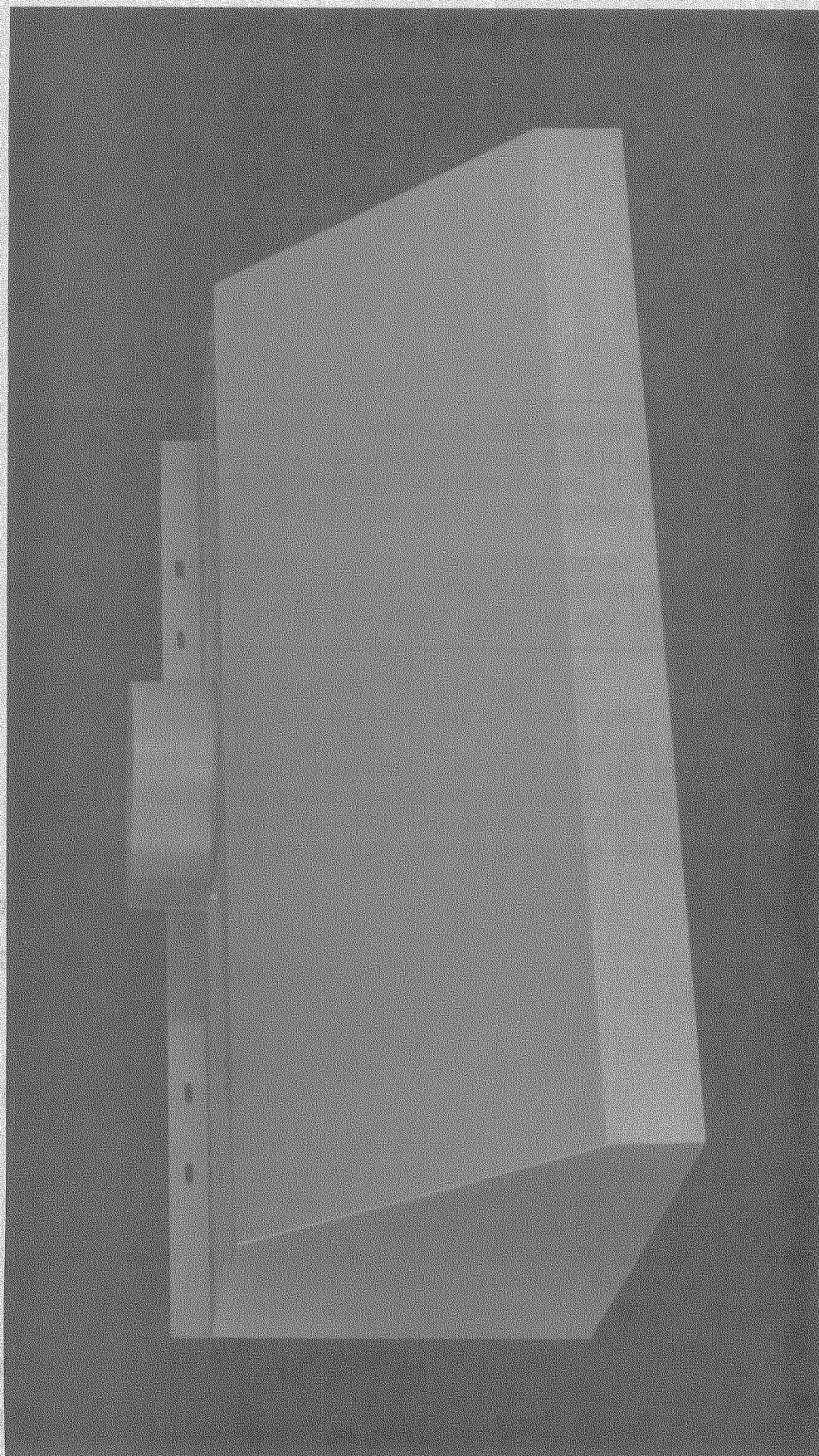
II. Installation

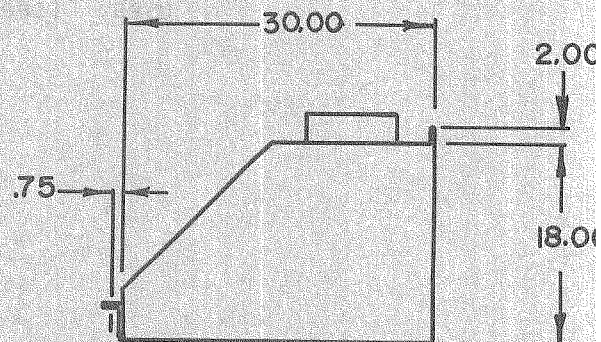
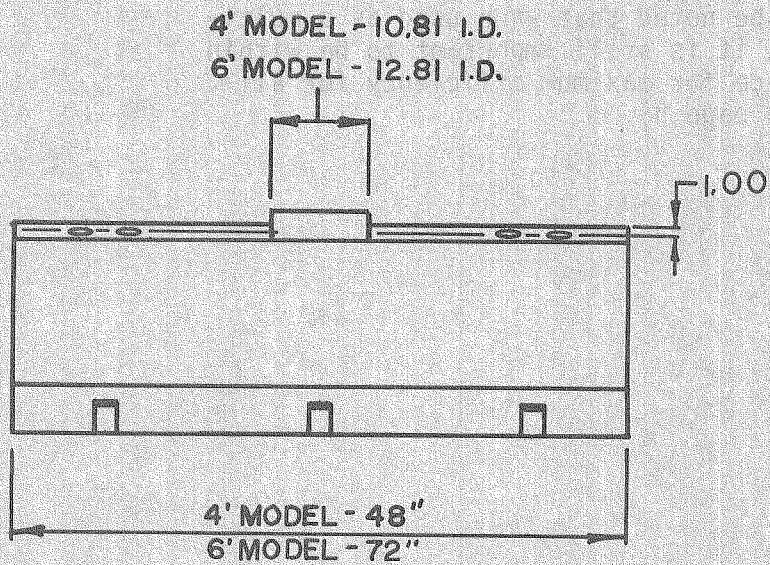
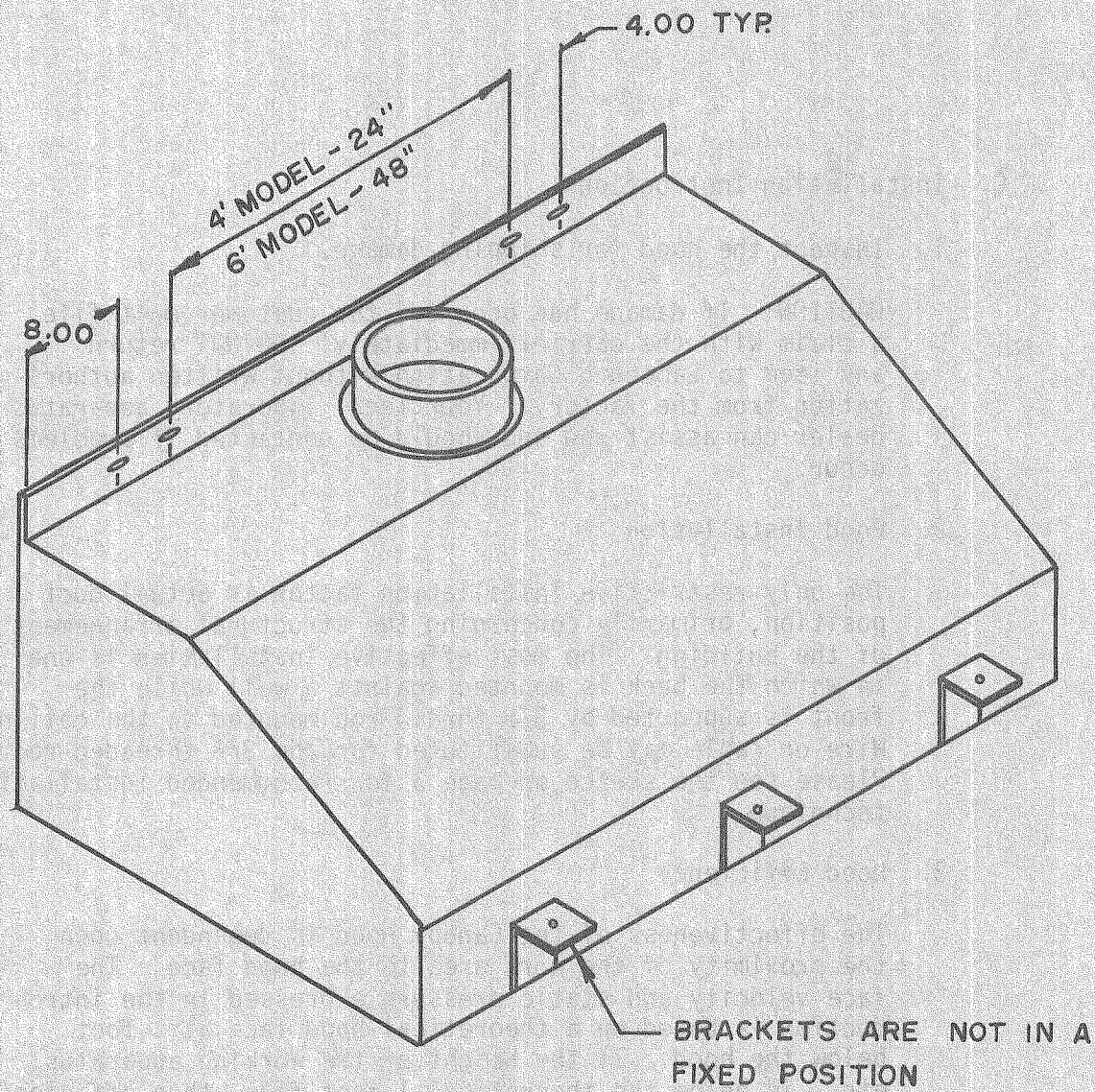
A. Specifications

All component parts of the canopy hood are epoxy-coated except the baffle support brackets which are stainless steel. The baffle design enhances perimeter air velocities and capture efficiency. Static pressure loss through the hood shall not exceed .64" @ 907 CFM and 1.25" @ 1360 CFM for the 4' unit. Static pressure loss through the 6' unit shall not exceed .90" @ 1289 CFM and 1.65" @ 1934 CFM.

WARNING: All laboratory hoods that are not provided with explosion proof electrical components should not be used with flammable or explosive atmospheres.

Only those hoods that are equipped with explosion proof components and installed in accordance with all pertinent electrical codes should be used with flammable or explosive atmospheres.





C. Installation Instructions

1. Inspect the hood for shipping damage.

CAUTION: If damage has occurred, the customer must file a claim with the carrier immediately! DO NOT return any item to Labconco Corporation without written authorization from the factory. Your local laboratory apparatus dealer can assist you and should be contacted if problems occur.

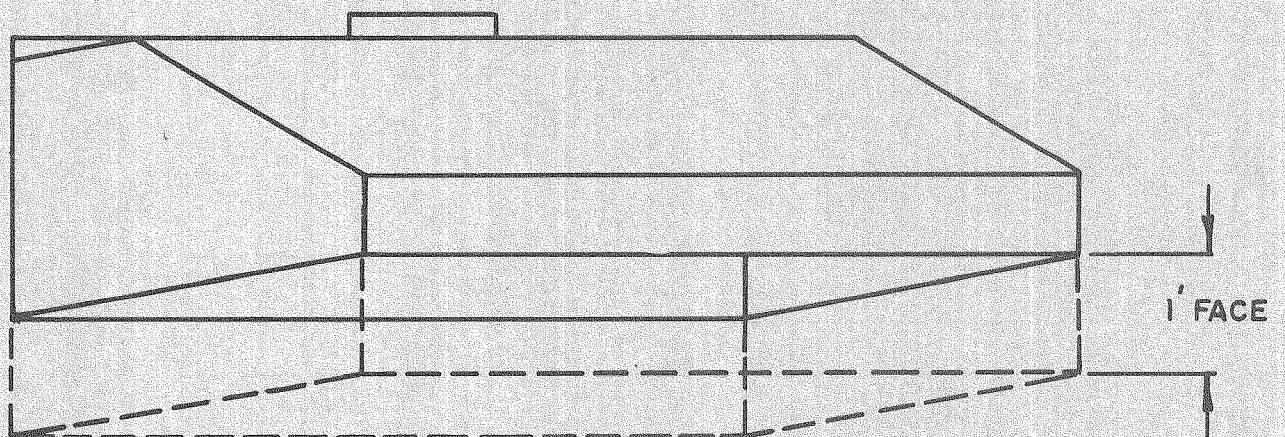
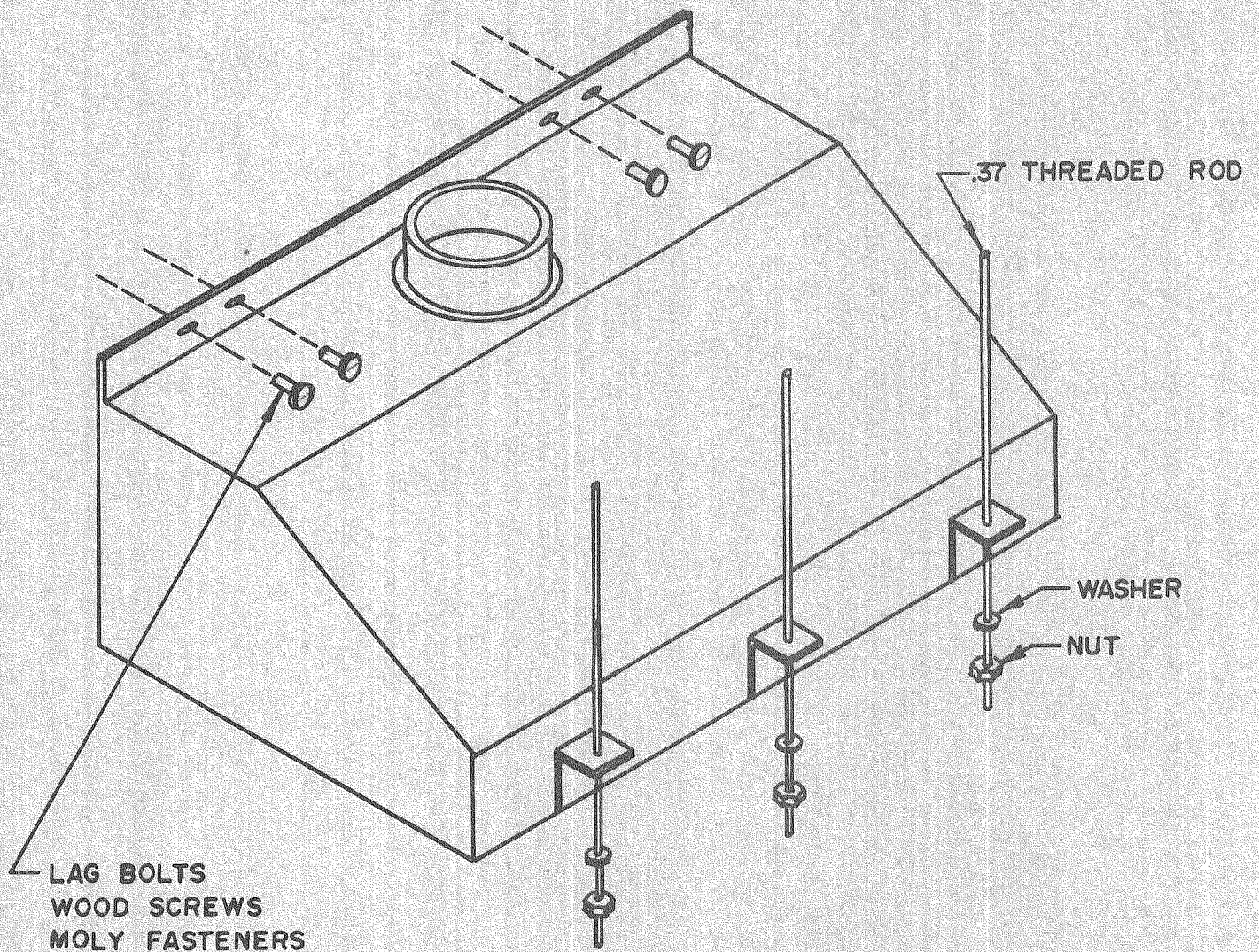
2. Hood Installation

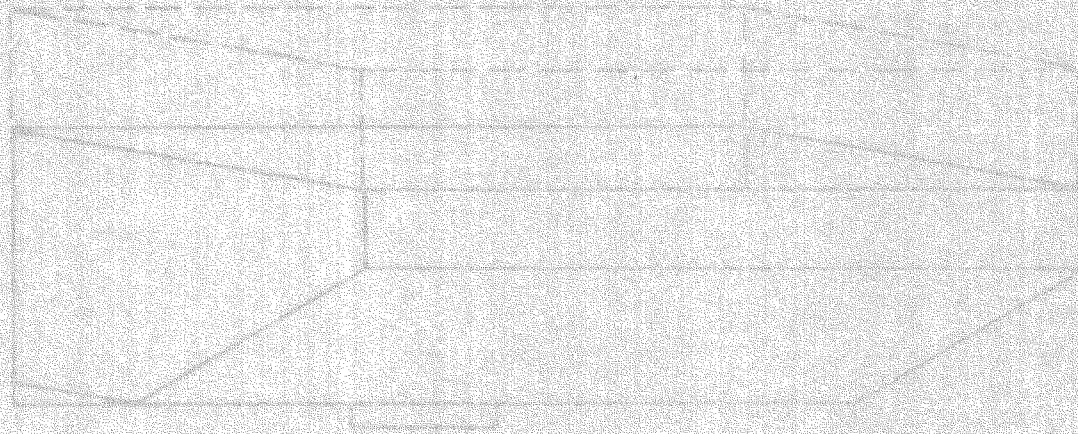
The only restrictive installation factor is actual duct position, primarily concerning the structural arrangement of the building. The most effective installation is one in which the back is mounted against a wall while the front is supported by 3/8 thread rod mounted to the ceiling. Wire or cable may be substituted for the 3/8 threaded rod. Please see the sketch on page 5 for recommended installation technique.

3. Hood Efficiency

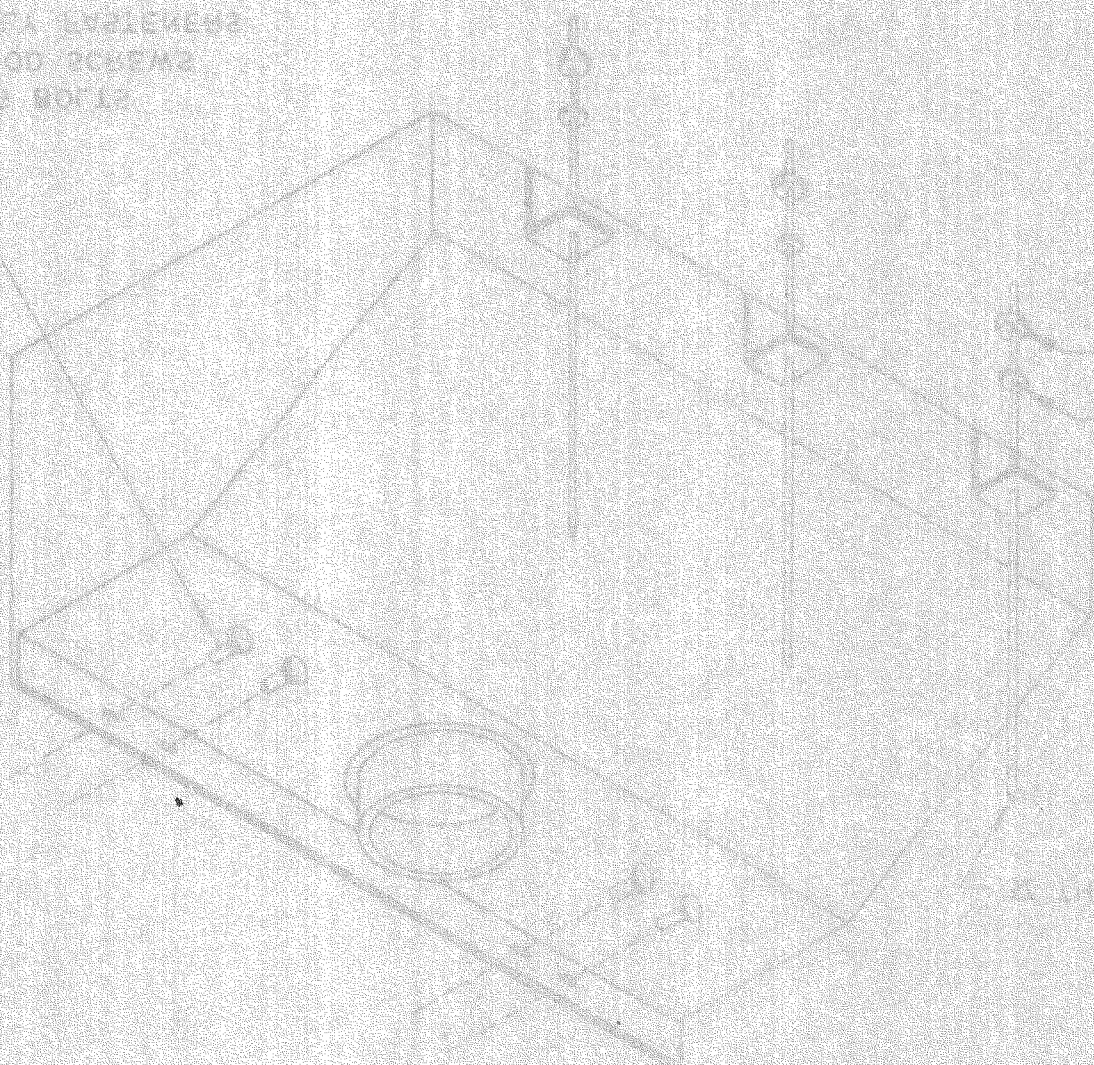
The effectiveness of the Canopy Hood is dependent upon the proximity of the work area to the hood face. The face velocity and static pressure expressed in the introduction is based on a theoretical hood face at 1 foot below the hood. If the height of the working apparatus, etc., is below the theoretical 1 foot face, then efficiencies will drop off. Conversely, the hood will become more efficient as the height of the working apparatus enters inside the 1 foot face.

It is then understood that the distance between the work surface and the hood is extremely important. While the Canopy Hood can be extremely effective when installed correctly, it should be noted that when used as a multipurpose installation, it is still important to be within or near the 1 foot face for maximum efficiency for all uses. (see sketch on page 5)





NOTE: ENGLISH
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