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**Note:** Please read and understand these instructions before assembling the parts.

**Note:** Refer to the illustrations on the following pages.  
If you need additional information, contact Wenger Corporation using the information below.

# SAFETY PRECAUTIONS

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Throughout this manual you may find **CAUTIONS** and **WARNINGS** which are defined as follows.

- **WARNING** means that failure to follow the instruction may result in serious injury or death.
- **CAUTION** means that failure to follow the instruction may result in serious injury or damage to property.

<p><b>⚠ CAUTION</b></p> <p><i>Make sure that anyone Installing the Wenger Acoustical Cloud has read and understands these instructions.</i></p>	<p><b>⚠ CAUTION</b></p> <p><i>Always observe and comply with the Warnings and Cautions posted on the system equipment.</i></p>	<p><b>⚠ CAUTION</b></p> <p><i>Failure to comply with Warnings and Cautions in this document can result in damage to property or serious injury.</i></p>
<p><b>⚠ CAUTION</b></p> <p><i>The Wenger Acoustical Cloud components can cause serious injury if dropped.</i></p>	<p><b>⚠ CAUTION</b></p> <p><i>Make sure that all steel structure and related hardware supplied by others has a safety factor of at least 5:1 and is capable of supporting the calculated weight of the Wenger Acoustical Cloud.</i></p>	

# **IMPORTANT USER INFORMATION**

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## **GENERAL**

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Printed and bound in the United States of America.

The information in this manual is subject to change without notice and does not represent a commitment on the part of Wenger Corporation. Wenger Corporation does not assume any responsibility for any errors that may appear in this manual.

In no event will Wenger Corporation be liable for technical or editorial omissions made herein, nor for direct, indirect, special, incidental, or consequential damages resulting from the use or defect of this manual.

The information in this document is not intended to cover all possible conditions and situations that might occur. The end user must exercise caution and common sense when assembling or installing Wenger Corporation products. If any questions or problems arise, call Wenger Corporation at 1-800-887-7145.

## **MANUFACTURER**

The Wenger Acoustical Cloud is manufactured by:

Wenger Corporation  
555 Park Drive  
Owatonna, MN 55060  
1-800-4WENGER (493-6437) • 1-507-455-4100  
www.wengercorp.com

## **INTENDED USE**

- This product is designed to be an acoustical reflector.
- This product is intended for indoor use in normal ambient temperature and humidity conditions — it must not be exposed to prolonged outside weather conditions.
- This product is intended to be installed only as described in these instructions.

## **WARRANTY**

This product is guaranteed free of defects in materials and workmanship for five full years from date of shipment. A full warranty statement is available upon request.

# REQUIRED TOOLS

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The following tools are required to install the Wenger Acoustical Cloud:

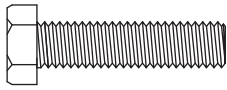
- Impact Gun or Drill Driver
- Wrench Set
- Phillips-Head Screwdriver

# FASTENER PARTS LIST

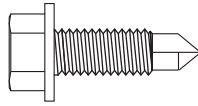
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## FASTENERS

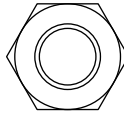
The Fasteners shown below are contained in various Wenger Acoustical Cloud Hardware Kits. Any Fasteners remaining when the installation is complete can be discarded.



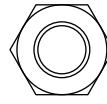
Cap Screw,  
5/16-18 x 1"  
Grade 5



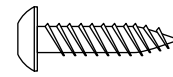
Screw, Self-Drill,  
1/4-14 x 3/4"  
BSD TYP



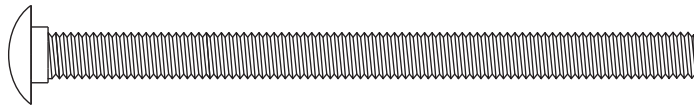
Lock Nut,  
5/16-18  
UNC-2B



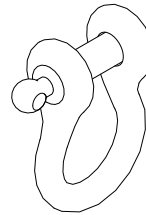
Lock Nut,  
1/4-20  
UNC-2B



Screw, Pan Head,  
10-16 x 3/4"  
TYP AB



Carriage Bolt, 1/4-20 x 3 1/2"  
Grade 5



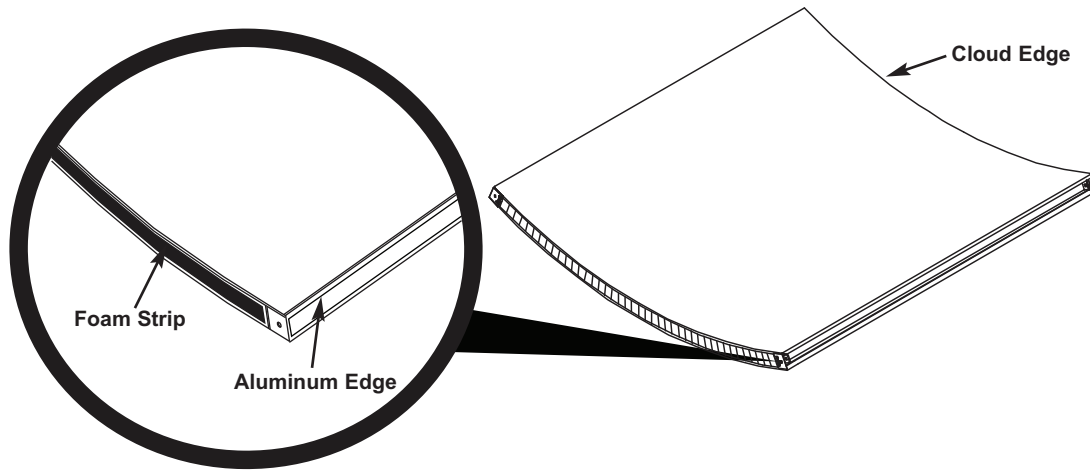
3/16" Screw Pin Shackle  
1/3 Ton Rated Working Load Limit  
RR-C-27ID Type 1V A

# WENGER ACOUSTICAL CLOUD VARIATIONS

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Wenger Acoustical Clouds can be identified by the placement of the Foam Strips.

1. End Panel: Foam Strip on one curved edge only.
2. Stand Alone Panel: Foam Strips on both curved edges.
3. Continuous Panel: No Foam Strips.



# WENGER ACOUSTICAL CLOUD ASSEMBLY

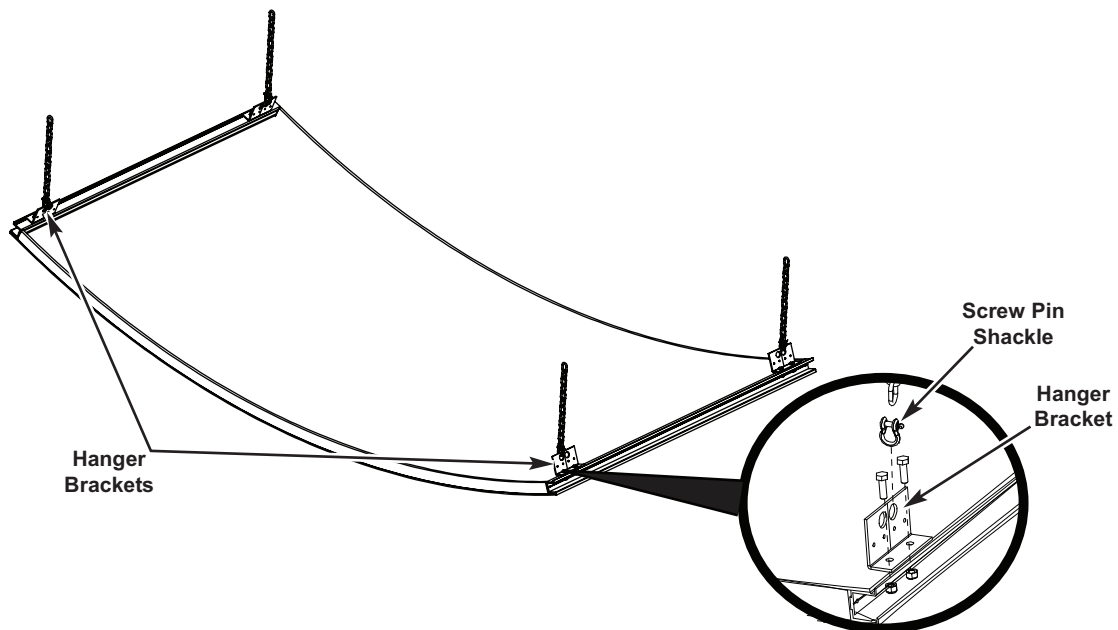
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## SINGLE AND SPACED CLOUD CONFIGURATION

1. Attach the Hanger Brackets into the pre-drilled holes using two  $\frac{5}{16}$ -18 x 1" Capscrews and  $\frac{5}{16}$ -18 Lock Nuts.  
Use typical four-point suspension:
  - Install four Hanger Brackets on a single cloud that will be hung by itself or spaced together with another panel..

**Note:** If assembling continuous cloud panels refer to the following page.

2. Install one  $\frac{3}{16}$ " Screw Pin Shackle to each of the Hanger Brackets.



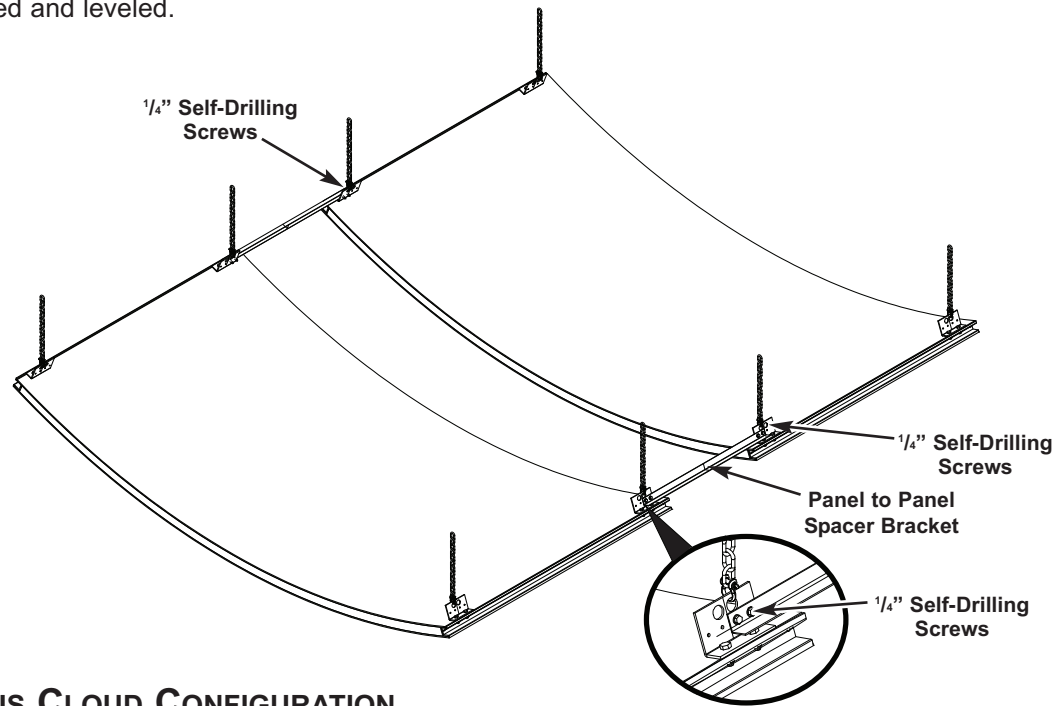
# WENGER ACOUSTICAL CLOUD ASSEMBLY (CONTINUED)

## SPACED CLOUD CONFIGURATION

When attaching Wenger Acoustical Clouds together, do so with a space between them.

3. Raise and secure the individual clouds before installing the Panel to Panel Spacer Brackets.
4. Install Panel to Panel Spacer Brackets to each side by attaching to the inside two lower holes of the Hanger Bracket using two  $\frac{1}{4}$ " Self-Drilling Screws.

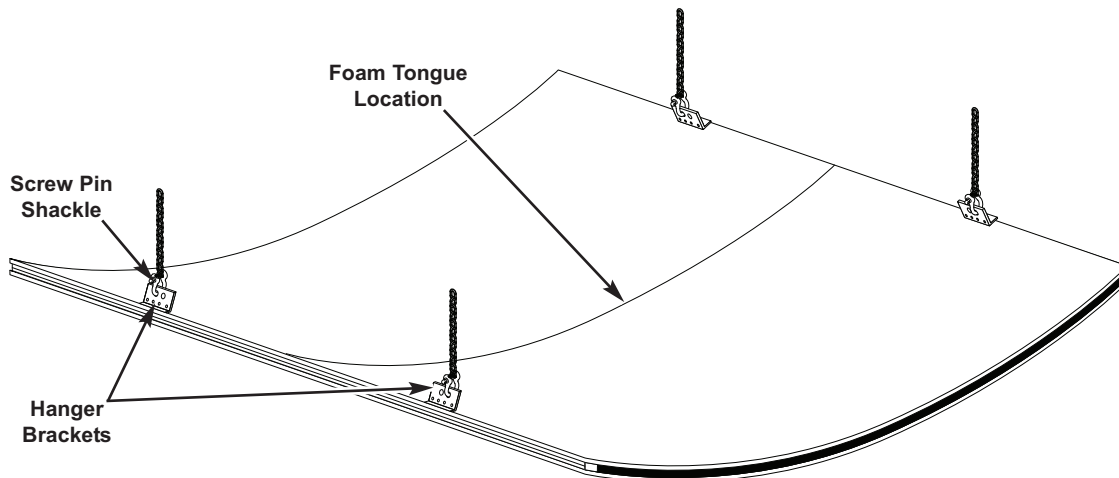
**NOTE:** Install Panel to Panel Brackets only after the Wenger Acoustical Clouds are raised, secured and leveled.



## CONTINUOUS CLOUD CONFIGURATION

When attaching Wenger Acoustical Clouds together continuously:

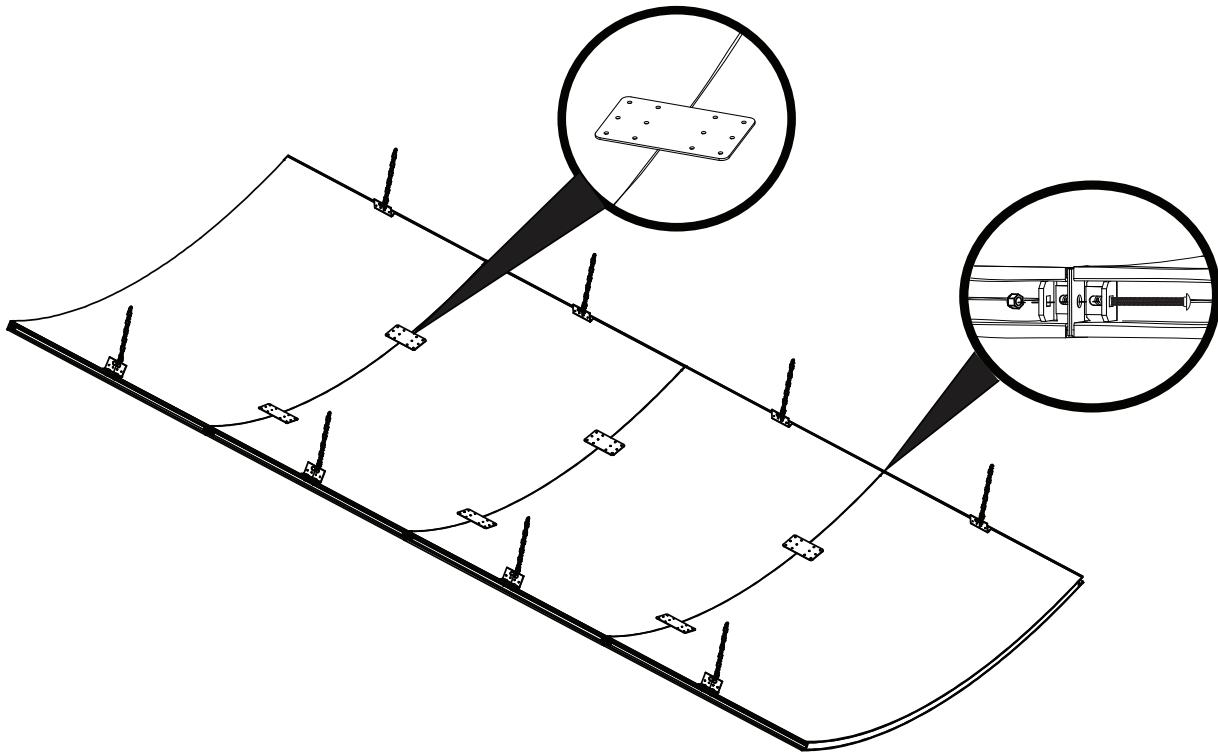
1. Attach the Hanger Brackets into the pre-drilled holes using two  $\frac{5}{16}$ -18 x 1" Capscrews and  $\frac{5}{16}$ -18 Lock Nuts.  
Use typical two-point suspension:
  - Install two Hanger Brackets onto each cloud which is to be attached to the other.
2. Install a  $\frac{3}{16}$ " Screw Pin Shackle to each of the Hanger Brackets.



# WENGER ACOUSTICAL CLOUD ASSEMBLY (CONTINUED)

## CONTINUOUS CLOUD CONFIGURATION (CONTINUED)

3. Connect the panels using a  $\frac{1}{4}$ -20 x  $3\frac{1}{2}$ " Carriage Bolt and a  $\frac{1}{4}$ " Lock Nut in each side of the aluminum extrusion.
4. Center the Steel Splice Plates over both Acoustical Clouds by first gluing into place with PL 400 glue, then securing with twelve  $\frac{5}{8}$ " Pan Head Screws per plate.  
The quantity and location of the Steel Splice Plates will be indicated on the Wenger layout drawings.



The Acoustical Clouds are now ready to hang.  
Any additional steel structure between the Acoustical Clouds and the building structure is the sole responsibility of the installer.

**⚠ CAUTION**  
*The Wenger Acoustical Cloud components can cause serious injury if dropped.*

**⚠ CAUTION**  
*Make sure that all steel structure and related hardware supplied by others has a safety factor of at least 5:1 and is capable of supporting the calculated weight of the Wenger Acoustical Cloud.*

# REPLACEMENT PARTS LIST

Quantities vary with each project configuration.

Item	Description	Item	Description
1	Wenger Acoustical Cloud Panel	7	Steel Splice Plate
2	Hanger Bracket	8	Screw, Pan Head, 10-16 x $\frac{3}{4}$ ", TYP AB
3	Cap Screw, $\frac{5}{16}$ -18 x 1", GRD 5	9	Panel to Panel Spacer Bracket
4	Lock Nut, $\frac{5}{16}$ -18, UNC-2B	10	Screw, Self-Drill, $\frac{1}{4}$ -14 x $\frac{3}{4}$ ", BSD TYP
5	Carriage Bolt, $\frac{1}{4}$ -20 x $3\frac{1}{2}$ ", GRD 5	11	$\frac{3}{16}$ " Screw Pin Shackle
6	Lock Nut, $\frac{1}{4}$ -20, UNC-2B	12	Foam Tongue, RR-C.27ID TYPE 1VA

