



# SPRAYBOOTHS.NET

Manufacturing Company

## Operation and Product Manual

- Components details and use
- Assembly diagrams
- Test Reports and Certifications
- LED Lights Assembly
- Ducting Assembly
- Assembly tools needed
- Warranty information
- Scheduled maintenance

# Exhaust Fan

## *Tube Axial Exhaust Fan (TAF)*



Streamlined belt tunnel isolates the motor, drives, and bearings from the air stream. Designed to operate in any position and utilizes precision balanced, spark-resistant aluminum fan blades. Steel fan housing is finished with an acrylic epoxy finish. Cast iron sheave is installed on fan shaft. Fans may be ordered with drive package that include motor and drives.

Shown with optional belt guard

**Max inlet air temperature: 200°F**  
**Permanently lubricated ball bearings**  
**Belt guard included**

**Note: Review OSHA codes. OSHA compliant guards are required when fan blades are exposed and within reach of personnel. Use a hazardous location motor where flammable vapors are present. Dayton Electric Mfg. Co. certifies that the tube axial fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311.**



# Motor and Drive

*Exterior mounted fan motor and pulley*

**WEG Motor mounts  
to fan base with  
supplied hardware**



**Fixed bore cast Iron 2 groove  
sheave mounts to motor shaft**

## **WEG Motor Specifications**

**Inverter Duty Motor, Open Drip Proof, 1 HP through 1 0HP, 1735 RPM, 208-230/460VAC, NEMA Frame 56 through 215, 1.15 Service Factor, 60 Hz, 84.0 Nominal Efficiency, Rigid Mounting, Double-Shielded Ball Bearings, Steel Frame, Insulation Class F, Ambient 40 C, CW/CCW Rotation, Shaft Diameter 5/8" through 1-3/8".**

**Open bore pulley**

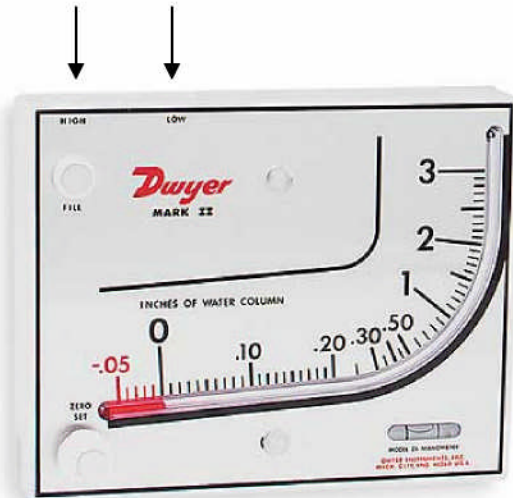


**Split taper bushing**



# Manometer

## Manometer Filter Gage



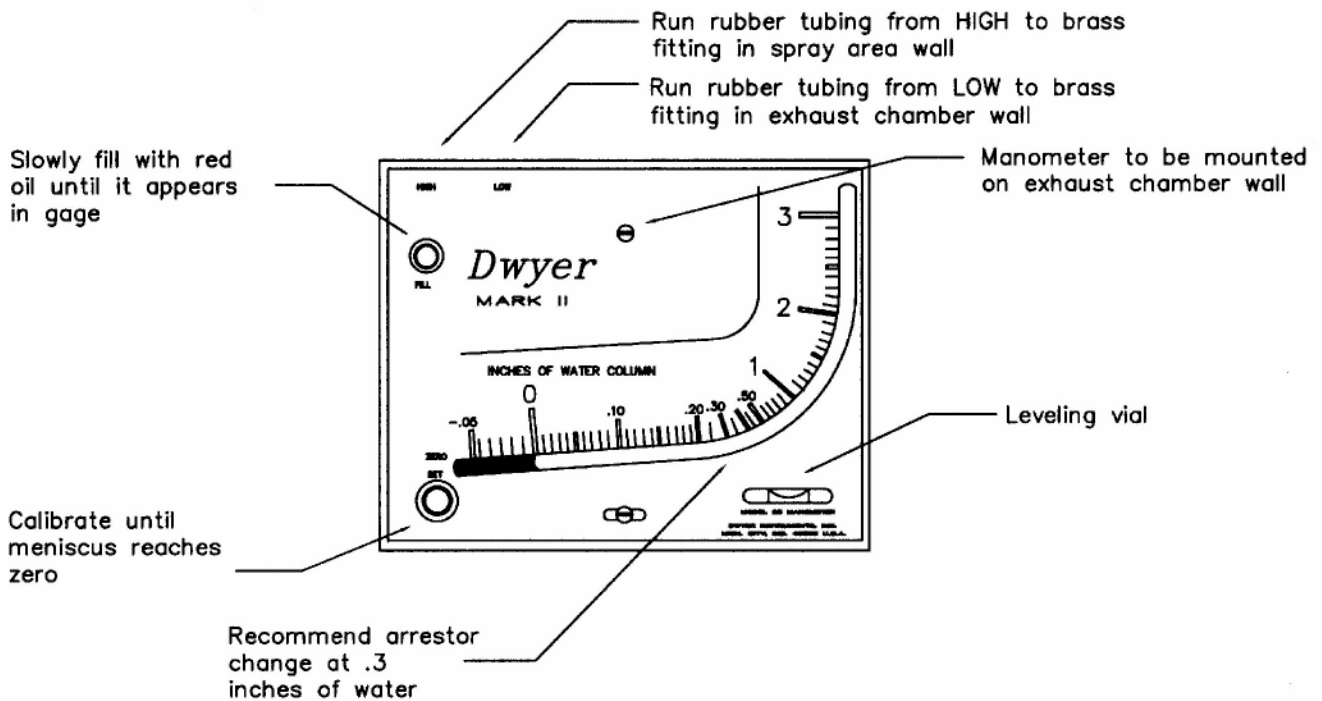
High and Low pressure port

High pressure port connects to "spray area"

Low pressure port connects to "exhaust plenum cavity"

Mounts to side wall of spray booth at exhaust plenum

Molded Plastic U Inclined Manometer, Operating Range 0-3 Inches WC, Full Scale Accuracy, Maximum Temperature 140 Degrees Fahrenheit



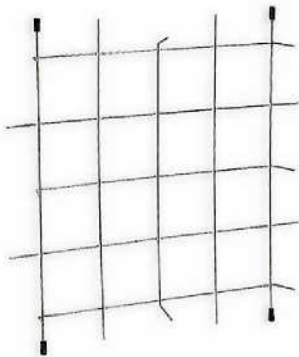
# Air Filters

**20" x 20" x 2" Exhaust Fiberglass filter**

**20" x 20" x 2" Filter cell**



**20" x 20" Wire grid mounts in filter cell  
frame 1/8" wire with rubber tips to hold  
Cell in.**



**Mounting process**

**Insert one grid in cell with holders out**

**Insert exhaust filter white side to  
outside of booth**

# Accessories

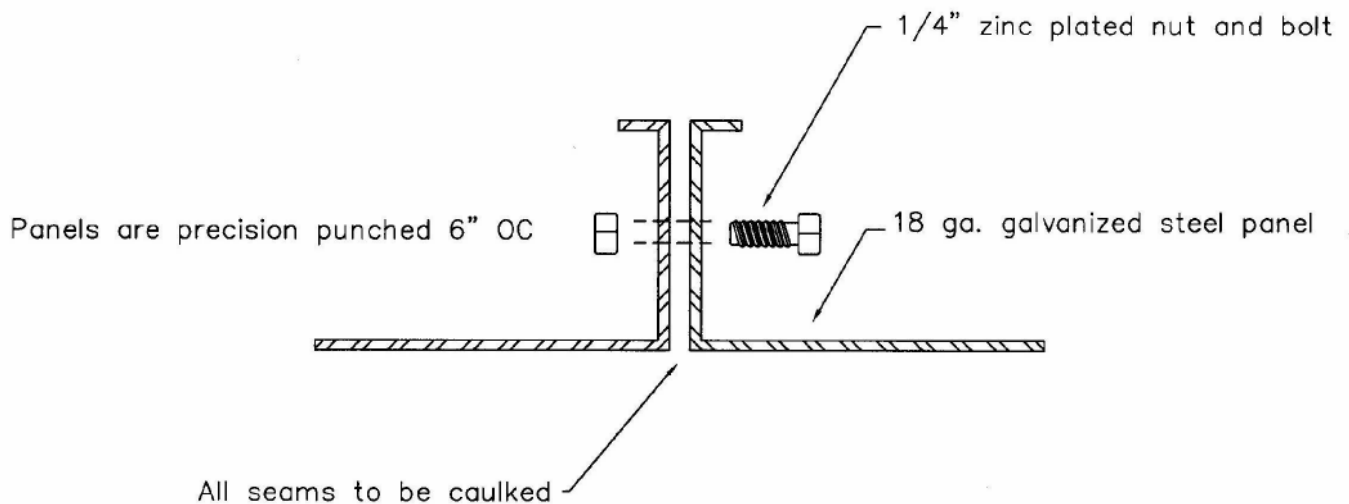
## Manometer Tubing and Pressure Indicator Fluid



The tubing is used to connect the manometer High and Low pressure ports to the spray booth cabin and plenum. Barbed fittings, washers and nuts are also provided in the kit for spray booth wall penetration.

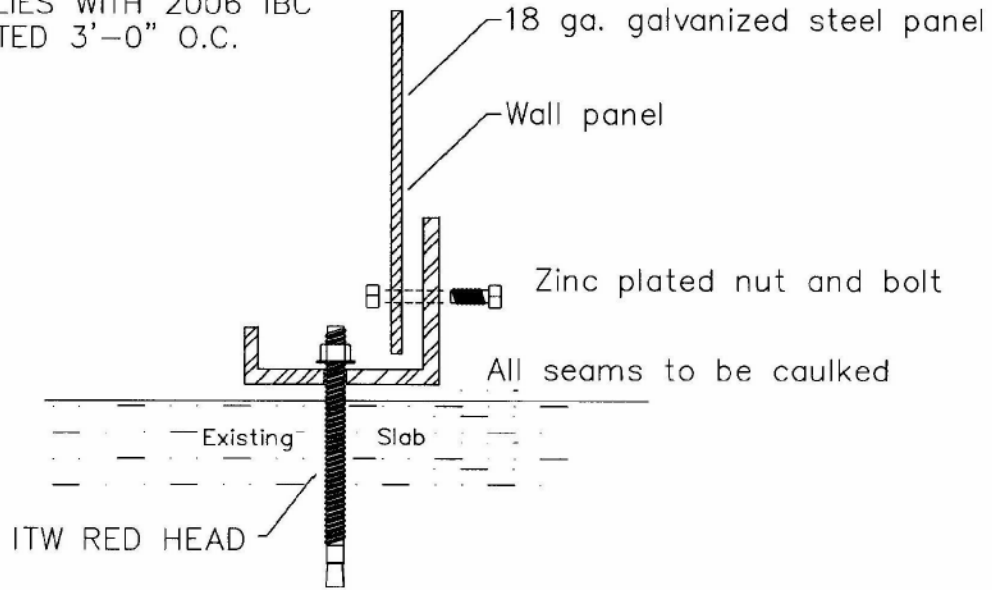
Fill gauge with red indicator fluid according to the manometer instructions.

## Panel to Panel Assemble Detail

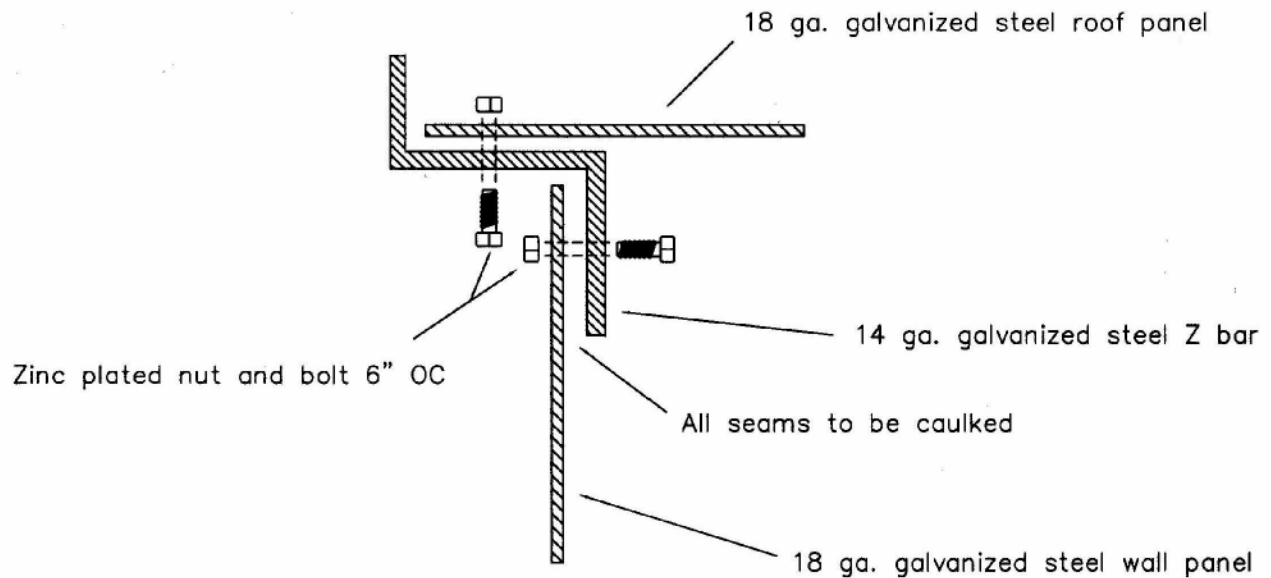


# Floor Rail Installation Detail

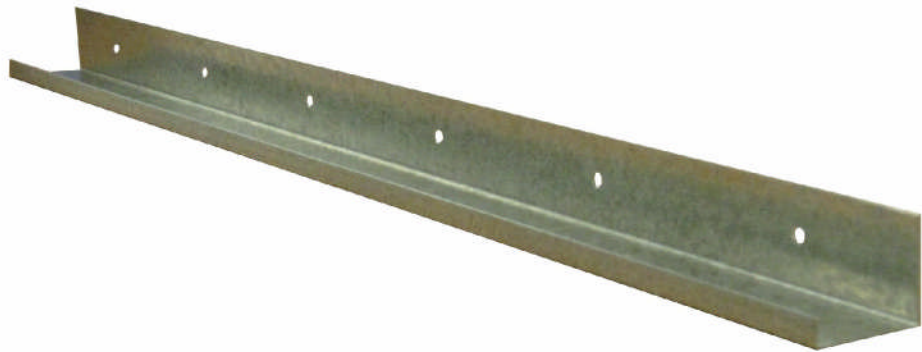
ITW RED HEAD WEDGE ANCHOR  
ICC REPORT ESR-2251  
COMPLIES WITH 2006 IBC  
MOUNTED 3'-0" O.C.



# Z-Bar Detail

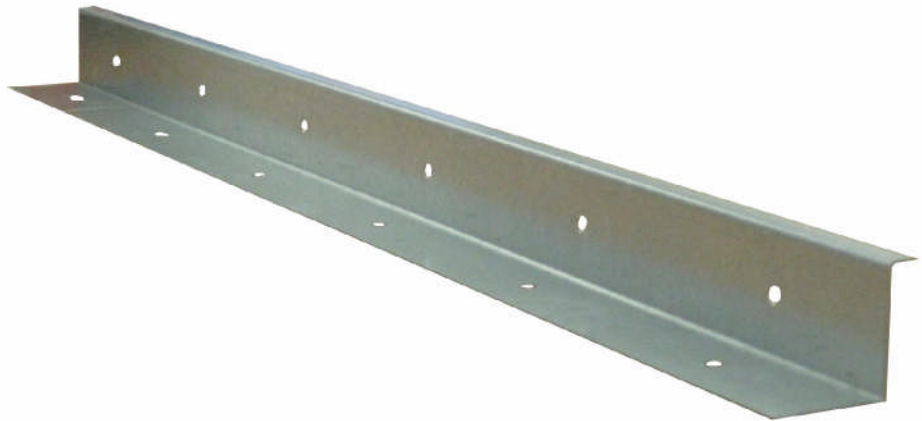


## Floor Rail



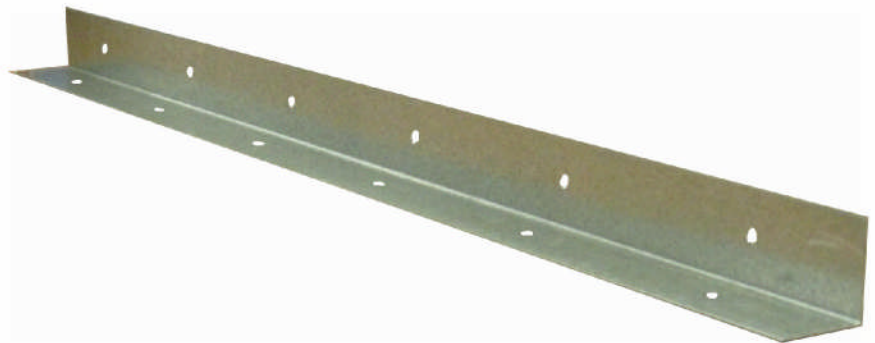
Floor rail connects wall panels to floor

## Z Bar



Z bar connects wall panels to ceiling panels

## L Angle



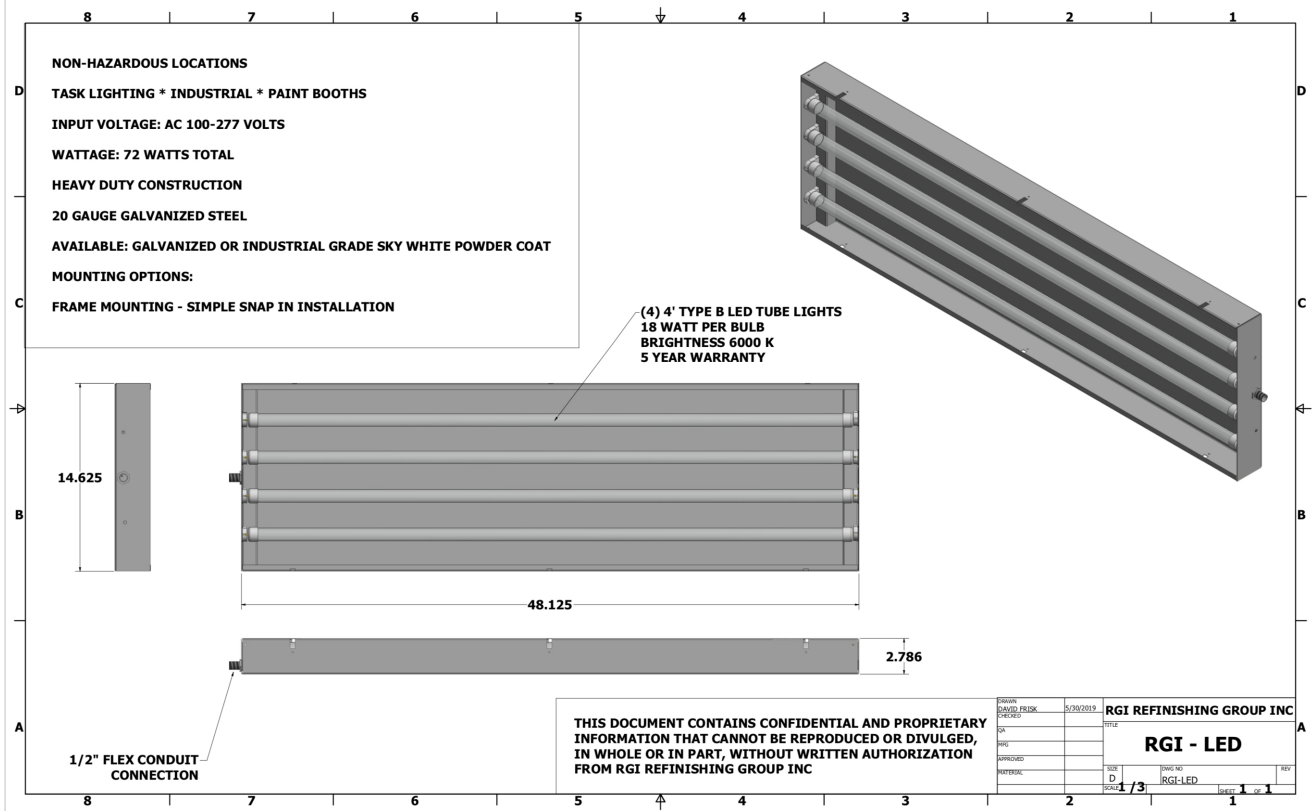
Utility L mounting angle Used to mount panels and parts together. May be used in place of floor rail at man door



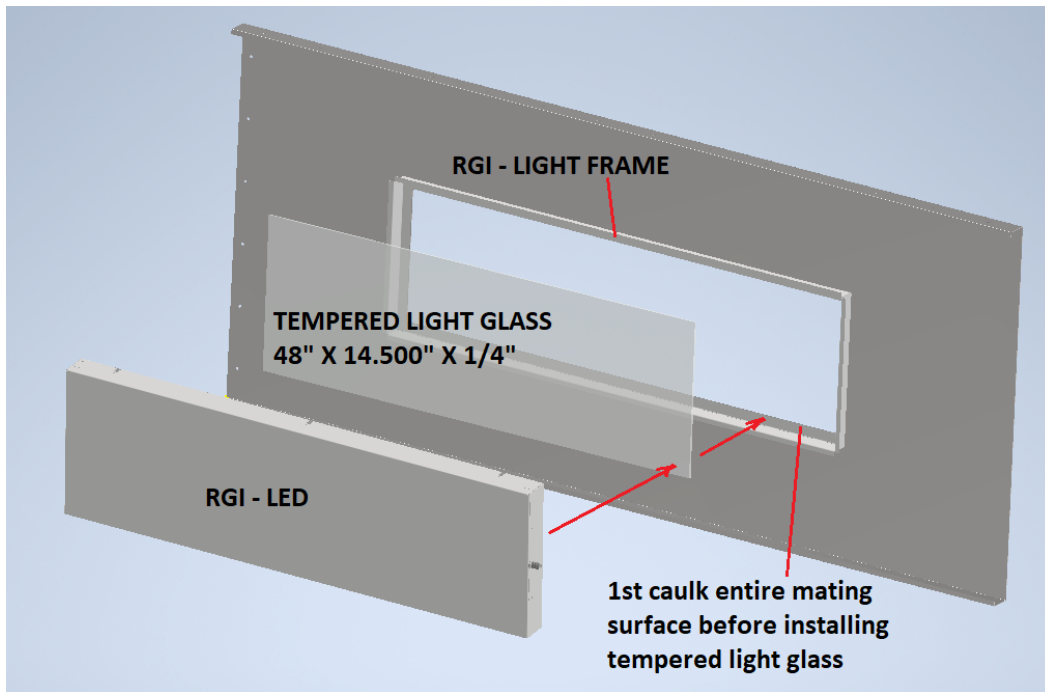
# Light Fixtures

## RGI LED Fixture

					OUTPUT AT 5000K CCT	
SOURCE	WATTAGE	INPUT VOLTAGE (VAC)	INPUT CURRENT (A) @ 120V	INPUT CURRENT (A) @277 V	LUMEN OUTPUT (DIFFUSED LENS)	LUMEN OUTPUT (NO LENS)
RGI-LED	72	120-277V	0.62	0.26	8200	8,800



## Spray booth wall or panel mounted design



## WIRING RGI - LED



Uncoil wire bundle.



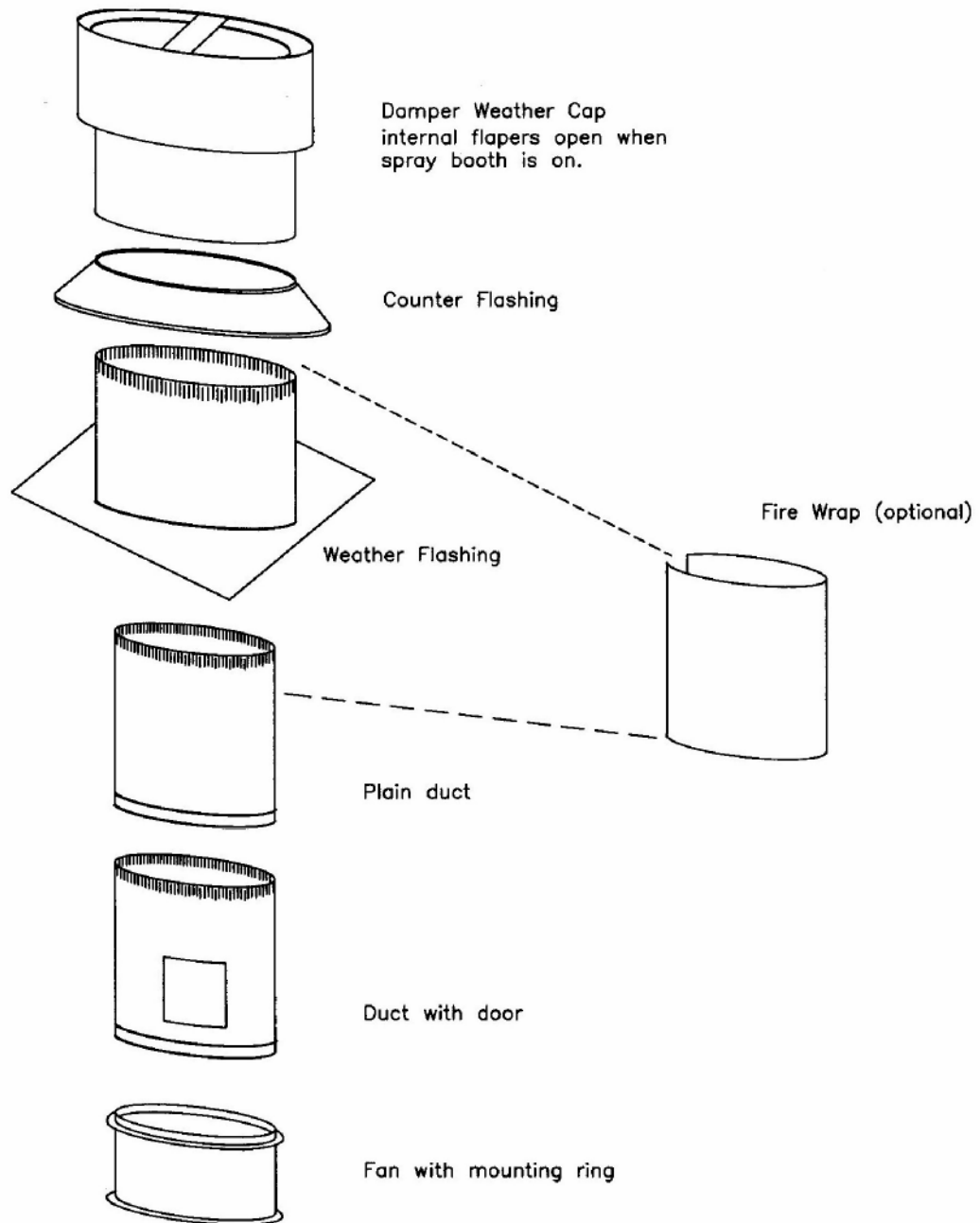
Feed wires through 1/2" conduit shown.



Connect conduit to the mating fitting on the RGI - LED. Connect to mating wires at junction box. See wiring diagram. The services of a licensed electrician may be required in your jurisdiction district.

# Exhaust Duct Installation Detail

## *Typical Duct System*



# Duct Accessories

**Damper weather cap**



**Damper weather cap opens automatic when fan is turned on. Damper mounts above roof line for exhaust air**

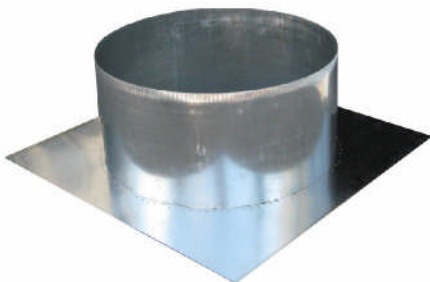
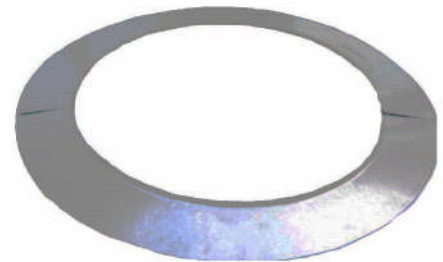
**Offset elbow**



**Counter flashing seals opening in flashing. Mounts to plain duct**



**Plain duct joints connect together with crimp and bead. Duct come in 3' or 4' lengths**



**Weather flashing mounts on roof top. Flashing is nailed in place on roof top and sealed with tar**

# Panels

**Gable panel with light opening**



**Fan panel with cut out for mounting fan**



**Standard panel for walls or ceiling areas**



**Corner panel rear wall gable booth**



**Standard panel with light opening**





# Certificate



Certificate no.

CU 72191985 01

**License Holder:**

The NVME Group Inc.  
dba: RGI Spraybooths.net  
1852 W. 11th Street Suite 159  
Tracy CA 95376  
USA

**Manufacturing Plant:**

RGI Spraybooths.net  
410 East Grant Line Road Bldg 1  
Tracy CA 95376  
USA

**Test report no.:** USA-AM 31982728 001

**Client Reference:** Napoleon M. Garcia

**Tested to:** UL 1598:2018  
CAN/CSA-C22.2 No. 250.0-18

**Certified Product:** Recessed Luminaire

**License Fee - Units**

**Model Designation:** RGI-LED

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**Rated Voltage:** AC 100-277V, 50/60Hz

**Rated Power:** 72W

**Protection Class:** I

**Appendix:** 1, 1-10

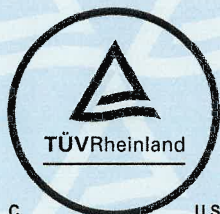
7

**Licensed Test mark:**

**Date of Issue**

(day/mo/yr)

24/11/2019





# Metallurgical Test Report and Certification

P.O. Box 471  
900 Loveridge Road  
Pittsburg, CA 94565

P.O. NUMBER 3202-04  
VEHICLE ID CUSTOMER TRUCK


MILL ORDER NUMBER NS2530501 TALLY TF173924  
SHIP DATE 05-03-2019

SOLD TO: 0060252 001  
MERIT ENDS INC  
620 CLARK AVENUE  
PITTSBURG, CA 94565-5099

SHIP TO:  
MERIT ENDS INC  
620 CLARK AVENUE  
PITTSBURG, CA 94565-5099

PREPARED BY THE OFFICE OF:  
ERIC BONAVENTURE  
MANAGER QA

ON:  
DATE 05-03-2019  
TIME 05:49:09

PREPARED BY MANAGER OF QA  
  
USS-POSCO INDUSTRIES

SPEC: GALVANIZED SHEETS, ASTM A653-15 SS GRADE 33, MIN SPANGLE, G90, CHEM TREAT, NO OIL, 1/3 STD MIN GAUGE TOLERANCE, 1/3 STANDARD FLATNESS TOLERANC, THICKNESS TOLERANCE IS BASED ON ASTM SUPPLEMENTARY REQUIREMENTS

CERT: THIS IS TO CERTIFY AND GUARANTEE THAT THE MATERIAL DESCRIBED HEREIN WAS MANUFACTURED, SAMPLED, TESTED, AND/OR INSPECTED BY UPI AND MEETS THE REQUIREMENTS OF THE STATED SPECIFICATION.

NOTE: THE MATERIAL DESCRIBED HEREIN WAS MELTED AND MANUFACTURED EXCLUSIVELY IN THE UNITED STATES.

MATERIAL DESCRIPTION: .0466 MIN X 48.0000

MELTED, Poured AND MANUFACTURED IN THE UNITED STATES.

HEAT# 102565 SOURCE HEAT# 83978D-2019  
C=.044, MN=.20, P=.011, S=.010, SI=.006, CU=.04, NI=.02, CR=.04,  
MO=.006, AL=.027, N=.006, TI=.001

HEAT NUMBER	TICKET ID	TEST PIECE IDENT	YIELD 33KSI MIN.	TENSILE 45KSI MIN.	ELONG.% 20%MIN	IN 2	IN BND	HRB	WGT	N-VALUE% 4TO6	N-VALUE% VARIABLE
102565	GRFT74	GRFT69	46	55	33	OK	63	30920	.197	.197	10-20%3A

# General Component Use and Location

Some items are optional and not supplied on all types of spray booths.

## **Nuts, bolts and screws**

Use nuts and bolts to fasten panels and components together. Tighten each nut and bolt securely.

### **1/4 x 20 Nuts**

To bolt panels together. Combine with 1/4 x 20 bolt. 7/16" socket is used.

### **1/4 x 20-1/2, 3/4 Bolts**

To bolt panels together with 1/4 x 20 nuts.

### **10 x 5/8 small self tapping screws**

To mount light fixtures with L brackets. Connecting duct works. Mount wiper rubber brackets at bottom of doors. Mount small miscellaneous brackets or parts. Use a 5/16" drive socket or nut set.

### **1/4 x 14 x 1 large screws**

To mount doors with hinges. Mounting door latches. Mount miscellaneous angles or brackets on spray booth. Use a 3/8" drive socket.

### **5/16 x 3/4 extra large screws, may come in longer version**

Used to mount heavy doors. Mount or attach medium to heavy miscellaneous angles or brackets on spray booth.

### **Flathead Phillips pan screws**

Used as a finish screw in interior of booth. Low profile head will maintain smooth surface in interior of booth. May be used to mount inside service frames.

## **Caulking**

Used as final seal on seams of spray booth panels to prevent air and contaminants from entering the spray booth. Caulking to be applied inside of booth at panel seam only after booth has been erected, cleaned and anchored to floor. Also used to seal lights by caulking the glass from interior of booth. Light glass may also be caulked into holding cell from exterior.



# General Component Use and Location

## **Manometer**

Mounts to side of booth at air exhaust chamber. Manometer is designed to measure the pressure differential between the spray area and an exhaust plenum. Manometers measure the filter's resistance to air flow. The dirtier the filter get the less air it lets through. As spray booth airflow decreases, booth performance diminishes. Manometer should be calibrated to 0 inch WC with the booth running and new clean filters installed. The recommended change point is at .30"WC. See installation instructions.

## **Pulley (fixed or bush bore)**

Mounts on motor as a fixed unit or with taper lock bushing.

## **Bushing**

Mounts to pulley to clamp on to motor shaft. Bushing will match motor shaft diameter. When bolts are inserted through bushing into pulley, the bushing will clamp on to the shaft of the motor. The head of the bushing faces outwards. Tighten the bolts progressively alternating from side to side until they are tightened to manufacturer's specifications.

## **Belts**

Fans are supplied with V type drive belt. Belts should be inspected periodically and changed as needed. Mount per manufacturers guidelines.

# General Component Use and Location

## **Tube Axial Fan**

The fan is designed specifically for paint spray booth applications. Fan is belt driven in order to position fan outside of exhaust duct. The motor is mounted on an adjustable base for easy belt tensioning. The fan has an aluminum blade. Fan bearings are sealed and permanently lubricated. Typical mounting location is on top of booth on fan panel. Use 5/16" nuts and bolts to mount fan to fan panel.

## **Motor**

WEG electric motor is to be mounted on the fan with the supplied hardware. Motor drives the fan blade on the fan. Mount and install motor per supplied fan instructions.

## **Filters**

### **Exhaust fiberglass filters**

Arrestor filters are 20" x 20" x 2". They are designed to capture paint over spray. Arrestor filters mount in exhaust cells with wire grids.

# General Component Use and Location

## **Filter Wire Grids**

Grids retain exhaust filters in exhaust plenum holding cells. Place one grid in the filter cell with the prongs facing toward you. Push the grid in as far as it will go. Place a filter in the cell. Finally place the last grid in the cell with the prongs facing away from you. Push the grid in as far as it will go. The second grid will hold the filter in the filter cell. The rubber tips on the grids are to secure the grid and help to take up any room between the filter cell and the grid.

## **Floor Rail**

Used to mount wall panels to floor. This is a 14 Ga. galvanized steel rail with 6" OC pre-punched holes. Wall panels and floor rails should be connected before wall panels are erected. Floor rail should be anchored to floor at not more 36" intervals with an approved anchor type fastener.

## **Standard Panels**

Panels are 18 Ga. galvanized steel construction. Panels have 2" x 1/2" flange along sides and are open on the ends. Panels have pre-punched holes on flanges for easy and accurate assembly.

## **Z Bar**

The Z bar can be easily identified by its Z shape. Used to connect the wall section of the booth to the top section. The Z bar is formed from 18 Ga. galvanized steel with 6" holes on center. Z bar shall be bolted with supplied 1/4" nuts and bolts.

## **Gable Panels**

Gable panels are the angle panels that join the wall section and the top section of the spray booth together. Gables may have light openings for fluorescent fixtures. Gables have pre-punched holes on flanges for easy assembly.

## **Support Header**

The header is attached to the front of the booth to flanges of wall panels. The header provides the mounting point for top panels. The header also provides flame curtain.

# General Component Use and Location

## **Clear Tempered Safety Glass**

Provides fire barrier between interior of spray booth and light fixtures. Glass should be kept clean and free of over spray.

## **Motor Cover**

Motor cover mounts on fan to cover motor and drive on fan. Motor cover has vented screens for cooling motor.

## **Fan Panel**

Fan panel has round opening that fan mounts on. Support angles are welded on fan panel to support fan and motor.

# Warranty

## **LIMITED WARRANTY**

All paint spray booths manufactured by RGI Mfg. Co. (RGI) are warranted by RGI, against defects in workmanship for materials under normal use for one year after the date of purchase from RGI. Any part which is determined by RGI to be defective in material or workmanship and is returned to RGI, shipping cost prepaid, will be, as the exclusive remedy, repaired or replaced at RGI's option.

## **LIMITATIONS OF LIABILITY**

Any liability of consequential and incidental damages is expressly disclaimed. RGI's liability in all events is limited to, and shall not exceed, the replacement price of the part.

## **PRODUCT SUITABILITY**

All states and localities have codes and regulations governing the construction, installation and/or use of paint spray booths, which may be interpreted differently from those in neighboring areas. While RGI attempts to assure that its spray booths comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the spraybooth is installed or used. Before the purchase and use of a spray booth, please review the spray booth application, and national and local codes and regulations, and be sure that the product, installation and use comply with them.

## **FREIGHT LOSS OR DAMAGE POLICY**

Unless otherwise specified, RGI accepts no responsibility for loss or damages to products shipped from RGI unless said products are shipped freight prepaid by RGI. Exception: If it is determined by RGI that loss or damage occurred as a result of negligence on the part of RGI, RGI will replace the lost or damaged articles. If such a determination is made by RGI, replacement of lost or damaged articles will occur only after receipt of a written request, from the purchaser.

# Warnings

## **Spray Booth Functions**

- Provide a healthy working environment for the painter.
- Isolate the application of potentially hazardous substances from other operations in the workplace.
- Control overspray emitted to the outside environment.
- Improve the quality of the finished product by providing a clean, well lit area in which to apply surface coatings.

## **Installation, Operation and Maintenance**

Many states and localities have codes and regulations governing sales, construction, installation and/or use of products for certain purposes, which may vary from those in neighboring areas. Before purchase and use of a product please review the product application and national and local codes and regulations to be sure that the product installation and use will comply with them.

A permit might be required to install this product.

There are inherent hazards associated with the operation and service of this equipment. For your personal safety, observe all of the safety information. Failure to observe these safety practices can result in personal injury or death.

It is impossible to list all potential hazards of this equipment.

Observe all warnings and make sure you are thoroughly familiar with this manual and the equipment.

RGI spray booths are designed to be installed and maintained by trained and qualified spray booth professionals.

All operators, users and service personnel have to be trained in the following:  
Potential safety and health hazards. Operation, maintenance, and emergency procedures.  
Importance of constant operator awareness.

All training has to be documented on the Booth User Training Sheet as per NFPA 33 Chapter 18.

# Warnings

## **General**

Follow all general standards for installation and safety for work on installations.

Follow all good practices for the proper use of lifting tackle and equipment.

Proper protective equipment such as safety goggles, gloves and protective footwear must be used.

Use ear protection when sound pressure levels exceed 85 decibels.

Guards and covers that prevent contact with electrically energized or moving parts must not be removed or left open during operation.

## **Safety Signs and Markings**

Safety signs, panels, and labels that are normally affixed to the product must be replaced immediately if illegible or missing.

New or replacement parts that are installed during repair or maintenance must include all safety signs, panels, and labels as specified by the manufacturer. These must be affixed to the new or replacement parts as specified by the manufacturer.

## **Electrical**

Installation must meet all applicable national, state, and local electrical codes.

Electrical installation shall be done by a qualified electrician.

All field wiring provided must be done in accordance with local codes or, in the absence of local codes, the National Electrical Code (NFPA 70).

All wiring must conform to the latest NEC codes 500, 501, 502, 505, 516.

Disconnect and lock out the main electrical service before installing, adjusting, or servicing the product.

Ensure that all electrical components are grounded to a central ground.

For grounding purposes, pre-coated panels or powder coated panels and prop fans must have one pair of star washers per nut/bolt set for each panel joint that penetrates the pre-coat finish (NFPA 33).

Provide overload protection for exhaust fan motor(s).

In most cases a spray air interlock is required to prevent spraying when the exhaust fan is not operating. Check local codes.

# Warnings

Make sure that all spray booth components are properly bonded together to avoid the possibility of sparks caused by static electricity.

## **Fire Codes**

Portable fire extinguishers need to be provided and located in accordance with NFPA 10.

Install the booth in compliance with the standards of the NFPA.

Local fire and building codes may require fire protection. Check with local inspector authorities for requirements.

A fire suppression system is required by the NFPA. A fire suppression system is not supplied with this booth.

## **Exhaust**

Duct the exhaust air from the fan away from the working environment to the outdoors.

Ventilation and exhaust systems have to be designed and installed per NFPA 91. Isolate the outdoor vent from air-conditioning intakes, windows, and any other equipment that may recirculate the exhaust indoors.

After spray operation, ventilation has to operate long enough to exhaust the vapors from the drying object.

## **Spray Booth Operation**

Turn the exhaust fan on before using the spray booth. Ensure that the exhaust fan is operating correctly before entering the booth.

Spraying operation should not be performed unless the exhaust fan is on.

This spray booth is only designed to remove particulate matter from the air. Reduction of volatile organic compounds (VOCs) requires either coating reformulation or optional, additional equipment.

Some spray activities may require the use of respiratory protection. Use an OSHA-approved paint spray respirator when spraying in the booth.

All spraying operations should occur within the confines of the booth.

Coatings to be applied in the booth should be contained in a sealed vessel and should not be mixed or stored in the booths.

## **Filters**

Do not overfill the manometer, allowing fluid to collect in the flexible plastic connecting loop in the back of the manometer. This could cause a serious reading error.



# Warnings

Do not operate the spray booth when the manometer indicates that the filter pads needs to be replaced.

When the exhaust fan is turned on the manometer should be checked. If the reading is greater than .25 inches of Water, the exhaust filters should be changed.

Treat used arrestor filter pads and any other paint-contaminated items as flammable products and dispose of them properly and safely.

## **Install and use Spray Booth at your own risk:**

**Waiver:** RGI accepts no liability for injuries, damages, losses any other incurred or incidental loss during installation or use of this product. Beginning installation purchaser, installer, user, operator or other waives and releases RGI from any and all liabilities for damages, injuries or losses.

# Specifications

RGI Spraybooths.net are manufactured along the guidelines of the following standards and codes.

National Electrical Code (NEC) 516

National Fire Protection Association article (NFPA) 33, 70 and 101

Uniform Fire Code (UFC) article 45

Occupational Safety & Health Administration (OSHA)

These represent many critical manufacturing and performance standards for airflow and material specifications.

## **Exhaust Fan**

Exhaust fan blade is non-ferrous metal. Aluminum blade will not spark on accidental contact with housing.

Fan motor is mounted out of the air flow to keep the potential ignition source it away from VOCs and over spray.

## **Structure**

Spray booth is constructed of a minimum of 18 gage galvanized steel. All panels are pre-punched 6" on center and they are nut and bolt construction.

The interior of the spray booth is smooth and continuous and shall not have baffles or deflectors interfering with the air flow or causing over spray accumulation.

# Specifications

## **Filtration**

Filters are 20" x 20" x 2" non flammable Class 1 or Class 2 paint arrestors. Filters shall contain overspray matter in retainer pad.

Spray booth filter shall be of industry standard weight and thickness.

Filtration design and performance shall be consistent with local and national Air Quality Guidelines.

## **Electrical**

Any light fixture shall be mounted on heat treated tempered glass to effectively isolate the Class 1 spray booth interior area from the exterior area.

## **Exhaust duct**

Duct shall be equipped with inspection door to view fan and blade.

Duct shall be of 18 gage galvanized steel or adequate minimum gage by diameter.

Exhaust duct system shall not exceed a 90 degree turn in any system.

If duct is run through combustible roof the proper 2" insulation material shall wrap duct 18" above and below roof line to insulate and separate roof from exhaust duct. Wrap shall be of 22 gage galvanized steel or adequate minimum gage by diameter.

## **Installation and use**

Spray booth shall be installed and operated in a covered building in accordance to all national and local codes governing use and operation of the spray booth.

Foundation shall be non flammable cement base or sealed foundation to mount spray booth. Booth shall be anchored to foundation in accordance to UBC and local codes.

All flame cutting, welding or grinding shall take place 20' away from the spray booth. Any exterior electrical devices like lights, motors, controls, etc. shall be a minimum of 5' from any open area on the spray booth.

Any exterior electrical devices: light, motor, control, etc. shall be a minimum of 3' from any closed area on the spray booth.

Spray booth shall be equipped with an automatic fire sprinkler/suppression system to provide contained fire protection in the booth in the event of a fire. System shall be provided and designed by authorized and licensed fire protection contractor.

All safety interlocks and proper control devices shall be installed and utilized on spray booth during operation to provide proper and safe function of spray booth. All national and local codes governing installation and use shall be followed.

# Maintenance

Due to the wide variety of coatings applied in spray booths, the frequency with which maintenance operation should be carried out varies substantially. The following items should become a regular part of your maintenance procedure, and be carried out on a schedule dictated by the use of the booth. You should periodically reevaluate and amend this schedule to ensure that it fits your needs exactly. An easily changeable electronic version is available upon request from RGI.

## Warning!

Disconnect electrical power before servicing lights or the ventilation system.

### RGI Spraybooths.net Maintenance Check List

To be cleaned and Inspected	Daily	Weekly	Monthly	<sup>6</sup> Months
Check manometer for exhaust filter performance and replace if needed	x			
Visually check intake filter and replace if dirty	x			
All internal spray booth surfaces cleaned from overspray	x			
Clean regulators and other equipment surfaces from overspray	x			
Replace burned out light bulbs	x			
Manometer oil level		x		
Exhaust ductwork			x	
Intake ductwork			x	
Lubricate exhaust fan bearings				x
Check and replace exhaust fan belt if needed				x
Check exhaust fan belt tension				x
Check pulley alignment				x
Inspect exhaust fan blades				x
Clean exhaust fan blades				x
Clean exhaust motor housing				x
Lubricate exhaust motor				x
FOLLOW MANUFACTURER'S MAINTENANCE INSTRUCTIONS ON ALL OTHER EQUIPMENT				

# Installation

Waiver: RGI accepts no liability for injuries, damages, losses and/or other incurred or incidental loss during installation or use of this product. At the beginning of installation purchaser, installer or other waives and releases RGI from any and all liabilities for damages, injuries or losses.

Inventory spray booth and components upon arrival. All damages must be reported to selling party within 24 hours of receipt and freight claim filed with the carrier to uphold or honor any damages or freight loss.

A non-combustible flat, smooth, level surface is best suited for installation of any spray booth. If necessary, make corrections to surface prior to installing spray booth. The booth will be installed as level as the surface it is mounted on. During installation tighten all nuts and bolts on panel flanges securely as to properly seal all panes seams and to make safe strong connections. All floor rails must be bolted securely to booth walls and then fastened to floor with approved anchoring device.

Most fire departments and city departments will require a certain clearance distance around spray booths for adequate cleaning and fire separation. Check with local city and county officials for other options for installation and special requirements.

During installation it is necessary to support all walls and gables prior to attaching roof panels. This is to insure a safe and accurate installation.

Under no circumstances shall the booth be considered or used as a load bearing structure. Do not walk stand or use the spray booths as a support structure before, during or after installation.

Spray booths are manufactured and designed for indoor use only. They are not weather proof or designed to be installed outside.

During installation continuously check all dimensions. Check walls, ceiling height and front end opening for square and level.

# Installation Tools

The following tools may be needed to complete the mechanical installation of the spray booth

Tool:	Size:	Type:	Usage:
electric drill	1/4" or 3/8"	hand held with chuck	self tapping screws and holes
caulking gun	tube 10.5 oz.	hand held	caulking seams on booth
C-clamps	11 -R	Peterson	fastening panels together
drift punches	1/8" to 3/8"	8" to 12" long	aligning pre-punched panel holes
impact ratchet	3/8"	air or electric	tighten nuts and bolts
socket	3/8" x 7/16"	standard or impact	tighten nuts and bolts
magnetic nut driver	3/8"	standard	drilling self tapping screws
magnetic nut drivers	5/16"	standard	drilling self tapping screws
chalk line	50'	standard colored	align walls of booth
drill bits	1/4"	jobber	reaming out pre-punched holes
ladder	8'	standard	reaching high points of spray booth
1 ton puller-binder	1 ton	ratchet-electric	pull and square booth
7' 8' 9' ladder	standard	construction	general installation of booth
Level	6'	construction	level booth walls and top
cement drill bit kit	1/4" to 3/8"	hammer-impact	floor and door anchor bolts
impact wrench	3/8"	hammer-impact	drill in concrete

