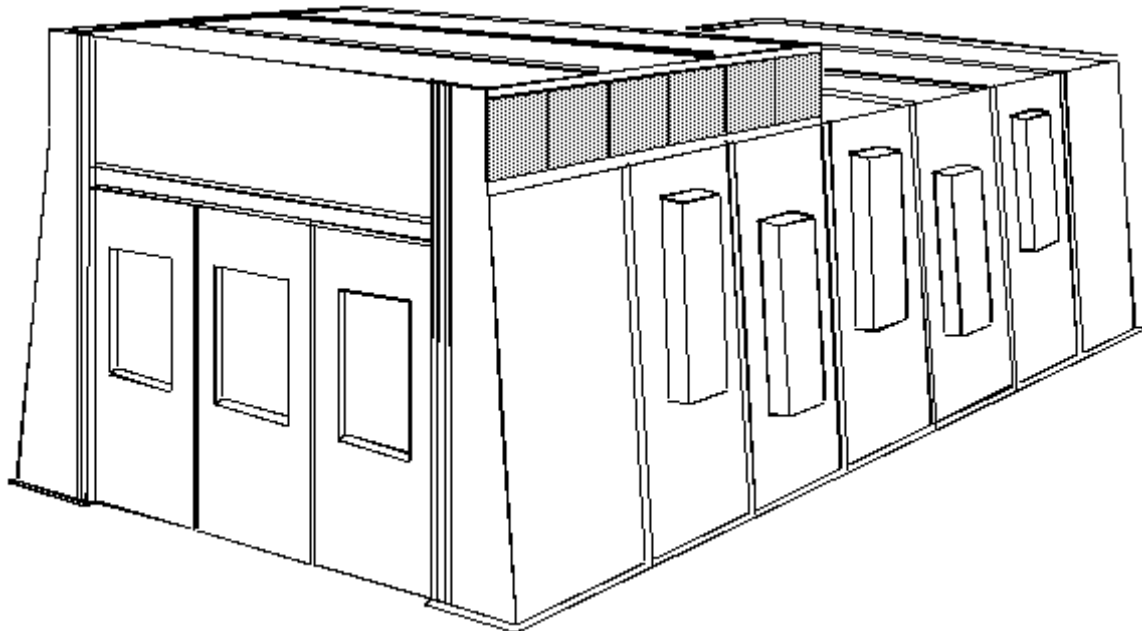


GIVENS SEMI-DOWNDRAFT PAINT SPRAY BOOTH

Givens Semi-Downdraft Paint Spray Booths are designed to give many years of trouble-free service. This style booth will produce a much cleaner paint job than the cross-flow style, because the incoming air enters the pre-filters which are located on either side in the top air inlet plenum. The incoming air is filtered a second time through two R-1 48" x 108" filters located in the ceiling at the front of the booth. This filtered air then passes over the length of the vehicle being painted and is exhausted through the exhaust filters located in the bottom of the exhaust plenum at the rear of the booth. Givens Semi-Downdraft Paint Spray Booths and components conform to Occupational Safety and Health Administration (OSHA) standards, T.N.R.C.C. regulations and NFPA code 33 for construction and function.



All of the Givens Semi-Downdraft booths contain these important features:

CONSTRUCTION: American-made mill galvanized steel preformed with 2" X 1" companion flanges and holes punched on six inch centers.

(1) 12 *United States Wire Gauge* floor channels, since this is the foundation of the spray booth and the first area of deterioration.

(2) 10 *United States Wire Gauge* door frames and reinforcing beams to insure that the Givens Booth will stand squarely for many years to come.

(3) 18 *United States Wire Gauge* wall and roof panels constituting a two-hour fire wall.

(4) Double 18 *United States Wire Gauge* doors constituting a four-hour fire wall.

Air Filtration: All air filters are Series 55 Rated Tight Seal Tacky carrying a UL Class 2 approval.

Replacements are available from your paint supplier.

(1) The two each 52" x 112" Series 55 air filters are located in the ceiling.

(2) The 12 pre-filters located on either side of the air intake plenum double filter the incoming air before it reaches the vehicle being painted. They also help the two each 48" x 108" Series 55 ceiling filters to last six to twelve times longer, thus saving money over the years.

Exhaust Filtration: Fiberglass Exhaust filters 22 gram Extra Heavy Duty 2 ½" thick 41" x 172" (Factory Mutual approved, UL class 2 Listing) insures that more than the two each 48" x 108" Series 55 ceiling filters to last six to twelve times longer, thus saving money over the years.

Exhaust Filtration: Fiberglass Exhaust filters 22 gram Extra Heavy Duty 2 ½" thick 41" x 172" (Factory Mutual approved, UL class 2 Listing) insures that more than 96.5% of the over spray particles are trapped. This filter is in three 54" pieces making it much easier to change than the conventional 20" x 20" pieces. This filter is located at the bottom of the exhaust plenum at the rear of the paint spray booth.

Lighting: The 10 sealed 160-watt fluorescent light fixtures provided with every Givens Semi-Downdraft Booth are designed for maximum illumination inside the booth. Sealed light fixtures have no dust build up to block light inside the booth. Additional fixtures are available at extra cost.

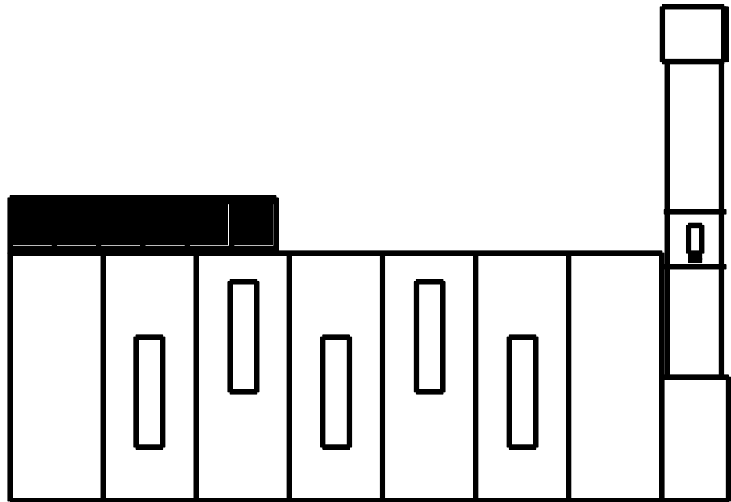
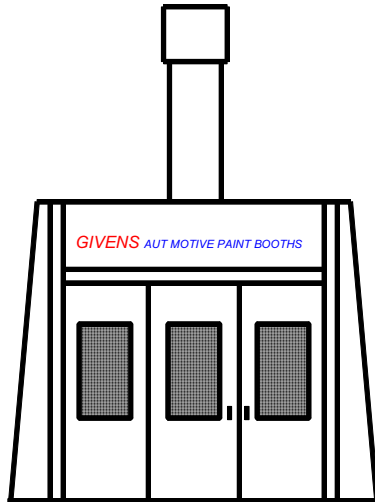
Doors: Doors are double walled with tempered glass observation windows. All doors are positively sealed with the use of urethane weather stripping.

GIVENS SEMI-DOWNDRAFT PAINT SPRAY BOOTH

EXHAUST STACK: Roof flashing, Combination Automatic Damper and Weather Canopy are included in the price of your Givens Semi-Downdraft Paint Spray Booth.

DELIVERY & MECHANICAL INSTALLATION: Performed by GIVCO. INC., is included in the price

of your Givens Booth. The only additional expenses to your shop are the plumbing of compressed air, installation of an automatic fire extinguishing system, and the connection of electrical power to the lights and exhaust fan.



Booth Clearance 3'0" All Around Recommended

Booth Model Number	Work Dimensions			Overall Dimensions			Nominal Door Openings		Shpg. Weight Lbs.
	Width	Height	Length	Width	Height	Length	Width	Height	
ST1500	14'0"	9'0"	24'6"	14'5"	11'0"	27'5"	10'0"	8'0"	5600
ST1528	14'0"	9'0"	28'0"	14'5"	11'0"	30'11"	10'0"	8'0"	6100

STANDARD EQUIPMENT FURNISHED

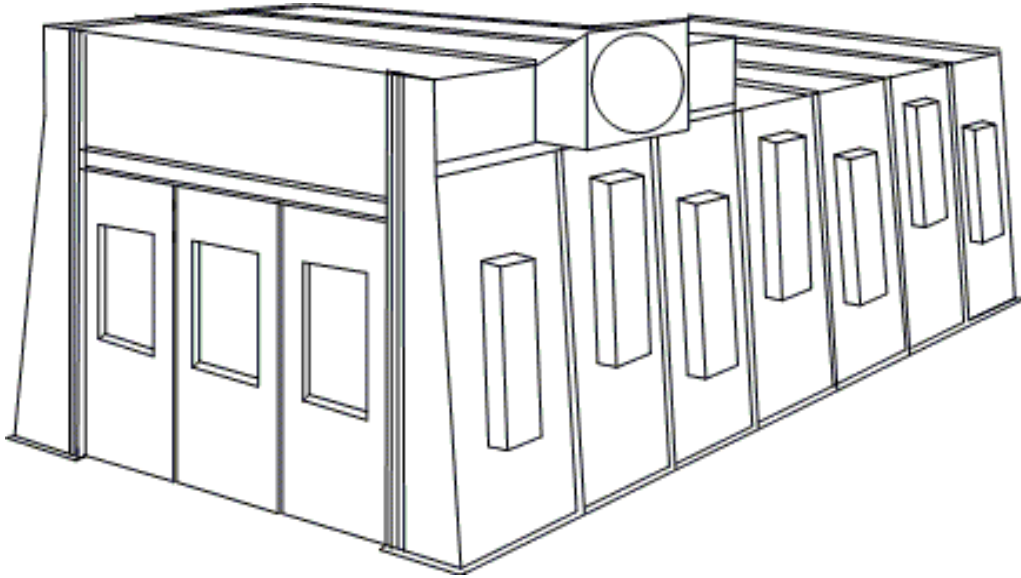
- | | |
|--|---|
| <ul style="list-style-type: none"> (1) Draft Gauge (2) Double Ring Exhaust Fan powered by a 3 phase totally enclosed fan cooled electric motor (3) Ten 160 watt 48" sealed Fluorescent Light Fixtures shining through 3/16" clear tempered glass (4) Three 4'0' lengths of Exhaust Stack (5) Roof Flashing either pitched or flat (6) Four Observation Windows located in the Doors of the paint booth (7) Combination Automatic Damper and Weather | <ul style="list-style-type: none"> (8) Canopy (9) One complete set of Series 55 prefilters and Ceiling filters (10) Extra Change of 22 gram Extra Heavy Duty Exhaust Filter Media (11) One 2'6" X 6'8" Personal Access Door (12) All bolts, nuts and Mounting Hardware Delivery, Mechanical Installation and Initial Start Up by GIVCO, INC |
|--|---|

OPTIONS AVAILABLE AT EXTRA COST

- | | |
|--|--|
| <ul style="list-style-type: none"> (1) Additional Light Fixtures (2) Additional Observation Windows (3) Fluorescent Light Tubes (4) Motor Starters (5) Single Phase Motors (6) Spray Cure Systems with Auto Balance (7) Drive Through Option | <ul style="list-style-type: none"> (8) Special length, width, and height booths available (9) Paint Mixing Rooms (10) Prep Stations (11) Trim Out Booths (12) Safety Control Devices available. Consult local codes and GIVCO, INC. for the equipment appropriate for your shop |
|--|--|

GIVENS SEMI-DOWNDRAFT PRESSURIZED PAINT SPRAY BOOTH

Givens Semi-Downdraft Paint Spray Booths are designed to give many years of trouble-free service. This style booth will produce a much cleaner paint job than a negative pressure booth, because an air intake fan pushes the incoming air into the pre-filters which are located on the side in the top air inlet plenum. The incoming air is filtered a second time through two R-1 48" x 108" filters located in the ceiling at the front of the booth. This filtered air then passes over the length of the vehicle being painted and is exhausted through the exhaust filters located in the bottom of the exhaust plenum at the rear of the booth. This balance of air is controlled by our **auto balance** feature which automatically and continuously senses the static pressure inside the booth and electronically controls a damper which keeps the air flow balanced. Givens Semi-Downdraft Paint Spray Booths and components conform to Occupational Safety and Health Administration (OSHA) standards, T.N.R.C.C. regulations and NFPA code 33 for construction and function.



All of the **Givens** Semi-Downdraft booths contain these important features:

CONSTRUCTION: American-made mill galvanized steel preformed with 2" X 1" companion flanges and holes punched on six inch centers.

(1) 12 *United States Wire Gauge* floor channels, since this is the foundation of the spray booth and the first area of deterioration.

(2) 10 *United States Wire Gauge* door frames and reinforcing beams to insure that the Givens Booth will stand squarely for many years to come.

(3) 18 *United States Wire Gauge* wall and roof panels constituting a two-hour fire wall.

(4) Double 18 *United States Wire Gauge* doors constituting a four-hour fire wall.

Air Filtration: All air filters are Series 55 Rated Tight Seal Tacky carrying a UL Class 2 approval.

Replacements are available from your paint supplier.

(1) The two each 52" x 112" AFR-1 air filters are located in the ceiling.

(2) The 6 pre-filters located on either side of the air intake plenum double filter the incoming air before it

reaches the vehicle being painted. They also help the two each 48" x 108" Afr-1 ceiling filters to last six to twelve times longer, thus saving money over the years.

Exhaust Filtration: Fiberglass Exhaust filters 22 gram Extra Heavy Duty 2 1/2" thick 41" x 172" (Factory Mutual approved, UL class 2 Listing) insures that more than 96.5% of the over spray particles are trapped. This filter is in three 54" pieces making it much easier to change than the conventional 20" x 20" pieces. This filter is located at the bottom of the exhaust plenum at the rear of the paint spray booth.

Lighting: The 13 sealed 132-watt, T-8, fluorescent light fixtures provided with every Givens Semi-Downdraft Booth are designed for maximum illumination inside the booth. Sealed light fixtures have no dust build up to block light inside the booth. Additional fixtures are available at extra cost.

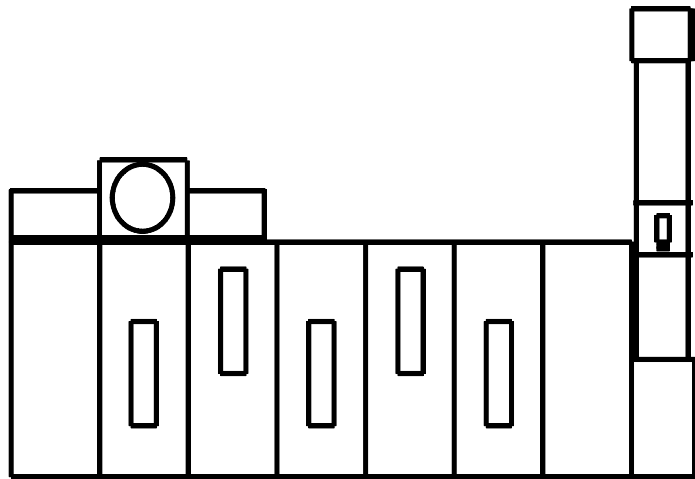
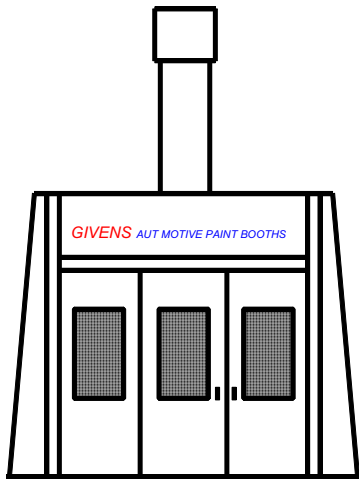
Doors: Doors are double walled with tempered glass observation windows. All doors are positively sealed with the use of urethane weather stripping.

GIVENS SEMI-DOWNDRAFT PRESSURIZED PAINT SPRAY BOOTH

EXHAUST STACK: Roof flashing, Combination Automatic Damper and Weather Canopy are included in the price of your Givens Semi-Downdraft Paint Spray Booth.

DELIVERY & MECHANICAL INSTALLATION: Performed by GIVCO. INC., is included in the price

of your Givens Booth. The only additional expenses to your shop are the plumbing of compressed air, installation of an automatic fire extinguishing system, and the connection of electrical power to the lights, intake and exhaust fans.



Booth Clearance 3'0" All Around Recommended

Booth Model Number	Work Dimensions			Overall Dimensions			Nominal Door Openings		Shpg. Weight Lbs.
	Width	Height	Length	Width	Height	Length	Width	Height	
ST1500	14'0"	9'0"	24'6"	14'5"	11'0"	27'5"	10'0"	8'0"	5600
ST1528	14'0"	9'0"	28'0"	14'5"	11'0"	30'11"	10'0"	8'0"	6100

STANDARD EQUIPMENT FURNISHED

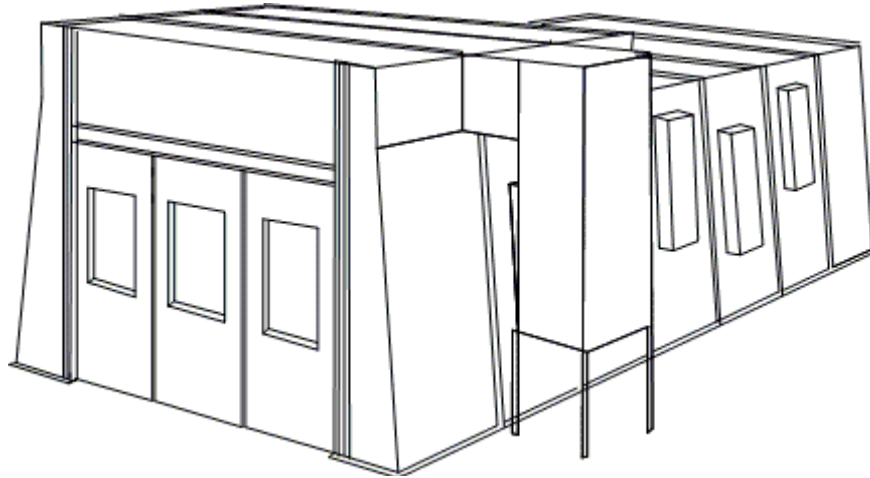
- | | |
|---|---|
| (1) Draft Gauge | (8) Canopy |
| (2) Double Ring Exhaust Fan powered by a 3 phase totally enclosed fan cooled electric motor | (9) One complete set of Series 55 prefilters and Ceiling filters |
| (3) Ten 160 watt 48" sealed Fluorescent Light Fixtures shining through 3/16" clear tempered glass | (10) Extra Change of 22 gram Extra Heavy Duty Exhaust Filter Media |
| (4) Three 4'0' lengths of Exhaust Stack | (11) One 2'6" X 6'8" Personal Access Door |
| (5) Roof Flashing either pitched or flat | (12) All bolts, nuts and Mounting Hardware |
| (6) Four Observation Windows located in the Doors of the paint booth | (13) Delivery, Mechanical Installation and Initial Start Up by GIVCO, INC |
| (7) Combination Automatic Damper and Weather | |

OPTIONS AVAILABLE AT EXTRA COST

- | | |
|---|--|
| (1) Additional Light Fixtures | (8) Special length, width, and height booths available |
| (2) Additional Observation Windows | (9) Paint Mixing Rooms |
| (3) Fluorescent Light Tubes | (10) Prep Stations |
| (4) Motor Starters | (11) Trim Out Booths |
| (5) Single Phase Motors | (12) Safety Control Devices available. Consult local codes and GIVCO, INC. for the equipment appropriate for your shop |
| (6) Spray Cure Systems with Auto Balance | |
| (7) Drive Through Option | |

GIVENS SEMI-DOWNDRAFT PAINT SPRAY BOOTH

Givens Semi-Downdraft Paint Spray Booths are designed to give many years of trouble-free service. This style booth will produce a much cleaner paint job than the cross-flow style, because the incoming air enters the pre-filters which are located on either side in the top air inlet plenum. The incoming air is filtered a second time through two R-1 48" x 108" filters located in the ceiling at the front of the booth. This filtered air then passes over the length of the vehicle being painted and is exhausted through the exhaust filters located in the bottom of the exhaust plenum at the rear of the booth. Givens Semi-Downdraft Paint Spray Booths and components conform to Occupational Safety and Health Administration (OSHA) standards, T.N.R.C.C. regulations and NFPA code 33 for construction and function.



All of the *Givens* Semi-Downdraft booths contain these important features:

THE SPRAY CURE SYSTEM: This system brings the incoming air in by use of an air intake fan, at a slightly greater amount than what is discharged; hence opening and closing of an access door will not effect the cleanliness of a paint job. This balance of air is controlled by our **auto balance** feature which automatically and continuously senses the static pressure inside the booth and electronically controls a damper which keeps the air flow balanced. Another benefit of **auto balance** is it enables the exhaust filter to be used for a longer period of time before changing. The heating unit used is direct gas fired which is 100% efficient and has the capacity of a 90F rise over the ambient temperature of the air outside. This unit can be ordered to fire on butane, natural gas or both fuel sources. This heater complies with all government regulations.

The Spray Cure System has a state of the art remote control panel which will perform the following functions:

(1) Ability to spray paint with or without heat. With heat controlled from an adjustable thermostat 60-90 degrees.
(2) After painting the booth can be purged with or without heat controlled from a 60-90 degree thermostat, and with a 0-60 minute timer.

(3) When the purge cycle is completed automatically the cure cycle begins controlled by a 0-60 minute timer and a 95-140 degree thermostat. During this operation the air flow of the booth is cut by approximately 50% hence cutting the consumption of gas by the same percentage, however the temperature rise capability almost doubles compared to the spray position.

(4) When the cure cycle is completed automatically the cool down cycle begins controlled by a 0-60 minute timer. With or without heat controlled by a 60-95 degree thermostat.

(5) When the cool down cycle is completed the unit automatically shuts off.

(6) All the timers stay automatically set so the only time they need to be adjusted is when a particular painting operation requires a different time period. The same applies to the thermostats. The remote control panel also has an L.E.D. thermometer which shows the temperature inside the paint spray booth. It is easy to see the spray cure system is user friendly and will increase your Givens Paint Booth production on a cool day by at least 100% or on a warm day by 50%. At all times cars can be assembled the same day they are painted and then delivered.

GIVENS SEMI-DOWNDRAFT PAINT SPRAY BOOTH

Construction: American-made mill galvanized steel preformed with 2" X 1" companion flanges and holes punched on six inch centers.

(1) 12 United States Wire Gauge floor channels, since this is the foundation of the spray booth and the first area of deterioration.

(2) 10 United States Wire Gauge door frames and reinforcing beams to insure that the Givens Booth will stand squarely for many years to come.

(3) 18 United States Wire Gauge wall and roof panels constituting a two-hour fire wall.

(4) Double 18 United States Wire Gauge doors constituting a four-hour fire wall.

Air Filtration: All air filters are AFR-1 Rated Tight Seal Tacky carrying a UL Class 2 approval. Replacements are available from your paint supplier.

(1) The two each 48" x 100" R-1 air filters located in the ceiling cut air velocity by one-third, making it three times as efficient as a cross flow booth with one-third the filter area.

(2) The 6 pre-filters located in the side of the air intake plenum double filter the incoming air before it reaches the vehicle being painted. They also help the two each 48" x 100" R-1 ceiling filters to last six to twelve times longer, thus saving money over the years.

Exhaust Filtration: Fiberglass Exhaust filters 22 gram

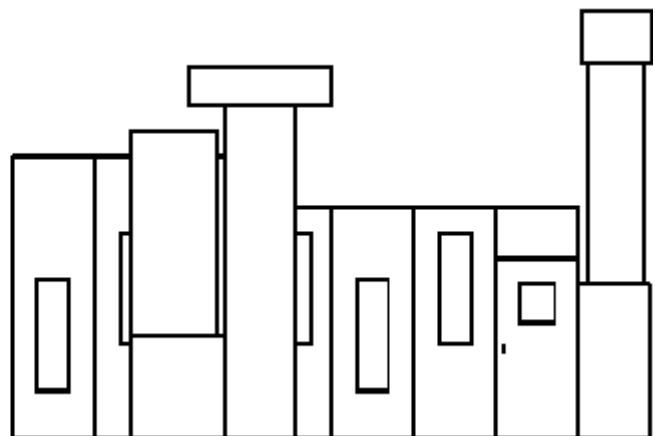
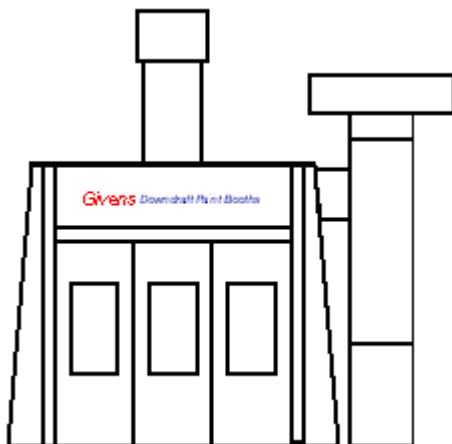
Extra Heavy Duty 2 1/2" thick 41" x 168" (Factory Mutual approved, UL class 2 Listing) insures that more than 96.5% of the over spray particles are trapped. Having this extra large filter area, the frequency of filter change is cut to a minimum. This filter is located in the exhaust plenum at the back of the paint booth.

Lighting: The 14 sealed 136 watt, T-8 fluorescent light fixtures provided with every Givens Semi-Downdraft Booth are designed for maximum illumination. Sealed light fixtures have no dust build up to block light inside the booth. Additional fixtures are available at extra cost.

Doors: Doors are double walled with tempered glass observation windows. All doors are positively sealed with the use of urethane weather stripping.

Exhaust Stack: Roof Flashing, Combination Automatic Damper and Weather Canopy are included in the price of your Givens Downdraft Paint Spray Booth.

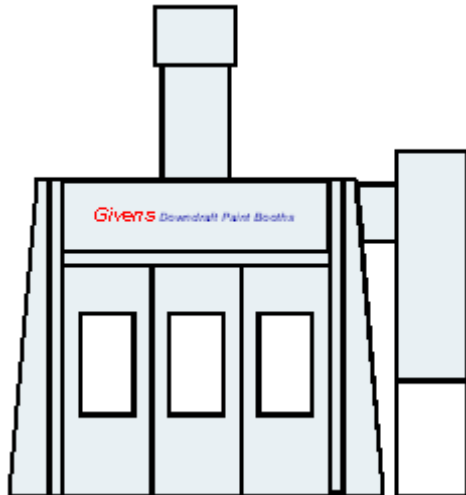
Delivery & Mechanical Installation: Performed by GIVCO, INC., is included in the price of your Givens Booth. The only additional expenses to your shop are the plumbing of compressed air, gas, installation of an automatic fire extinguishing system, construction of the exhaust pit, and the connection of electrical power to the lights, exhaust fan and heated air make-up unit.



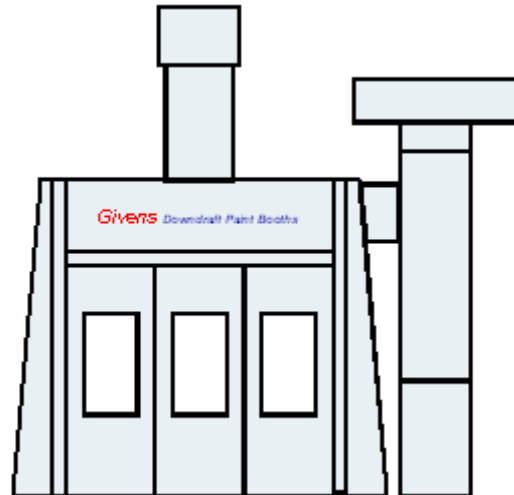
Booth Clearance 3'0" All Around Recommended

Booth Model Number	Work Dimensions			Overall Dimensions			Nominal Door Openings		Shpg. Weight
	Width	Height	Length	Width	Height	Length	Width	Height	
ST1500	14'0"	9'0"	24'6"	14'5"	11'3"	27'6"	10'0"	8'0"	6100
ST1528	14'0"	9'0"	28'0"	14'5"	11'3"	31'6"	10'0"	8'0"	6600

GIVENS SEMI-DOWNDRAFT PAINT SPRAY BOOTH



ST-1500-1



ST-1500-2

The ST-2000-1 IS A COST EFFECTIVE ANSWER WHEN THE BOOTH CAN BE INSTALLED NEXT TO AN EXTERIOR WALL SO THE SPRAY CURE UNIT CAN BE PLACED OUTSIDE OR IN A BUILDING OR ROOM WHOSE SHOP AIR IS ALMOST AS CLEAN AS THE AIR OUTSIDE. OTHERWISE THE ST2000-2 IS THE RIGHT ANSWER.

STANDARD EQUIPMENT FURNISHED

- | | |
|---|---|
| (1) Draft Gauge | (8) Combination Automatic Damper and Weather Canopy |
| (2) Double Ring Exhaust Fan powered by a 3 phase Totally enclosed fan cooled electric motor | (9) One complete set of Series 55 prefilters and R-1 Ceiling filters |
| (3) Fourteen 160 watt 48" sealed Fluorescent Light Fixtures for Class I Division II locations shining through 1/4" tempered glass | (10) Extra Change of 22 gram Extra Heavy Duty Exhaust Filter Media |
| (4) Five 4'0" lengths of Exhaust Stack | (11) The Personal Access Door Is Incorporated In The Front Doors Of The Paint Spray Booth |
| (5) Roof Flashing either pitched or flat | (12) All Nuts, Bolts and Mounting Hardware |
| (6) Three Observation Windows located in the Doors of the paint booth | (13) Delivery, Mechanical Installation and Initial Start Up by GIVCO, INC. |
| (7) Spray cure heated air make-up unit with AUTO BALANCE | |

OPTIONS AVAILABLE AT EXTRA COST

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|--|--|
| (1) Additional Light Fixtures | (9) Drying Room enclosures |
| (2) Additional Observation Windows | (10) Paint Mixing Rooms |
| (3) Fluorescent Light Tubes | (11) Prep Stations |
| (4) Motor Starters | (12) Trim Out Booths |
| (5) Single Phase Motors | (13) Safety Control Devices available. Consult Local codes And GIVCO, INC. for the equipment appropriate for your shop |
| (6) Drive Through Option | |
| (7) Special length, width, and height booths available | |
| (8) Raised floor Downdraft Booths | |

GIVENS SEMI-DOWNDRAFT PAINT SPRAY BOOTH
ST-1500 SEMI-DOWNDRAFT PAINT SPRAY BOOTH



FRONT OUTSIDE



FRONT INSIDE



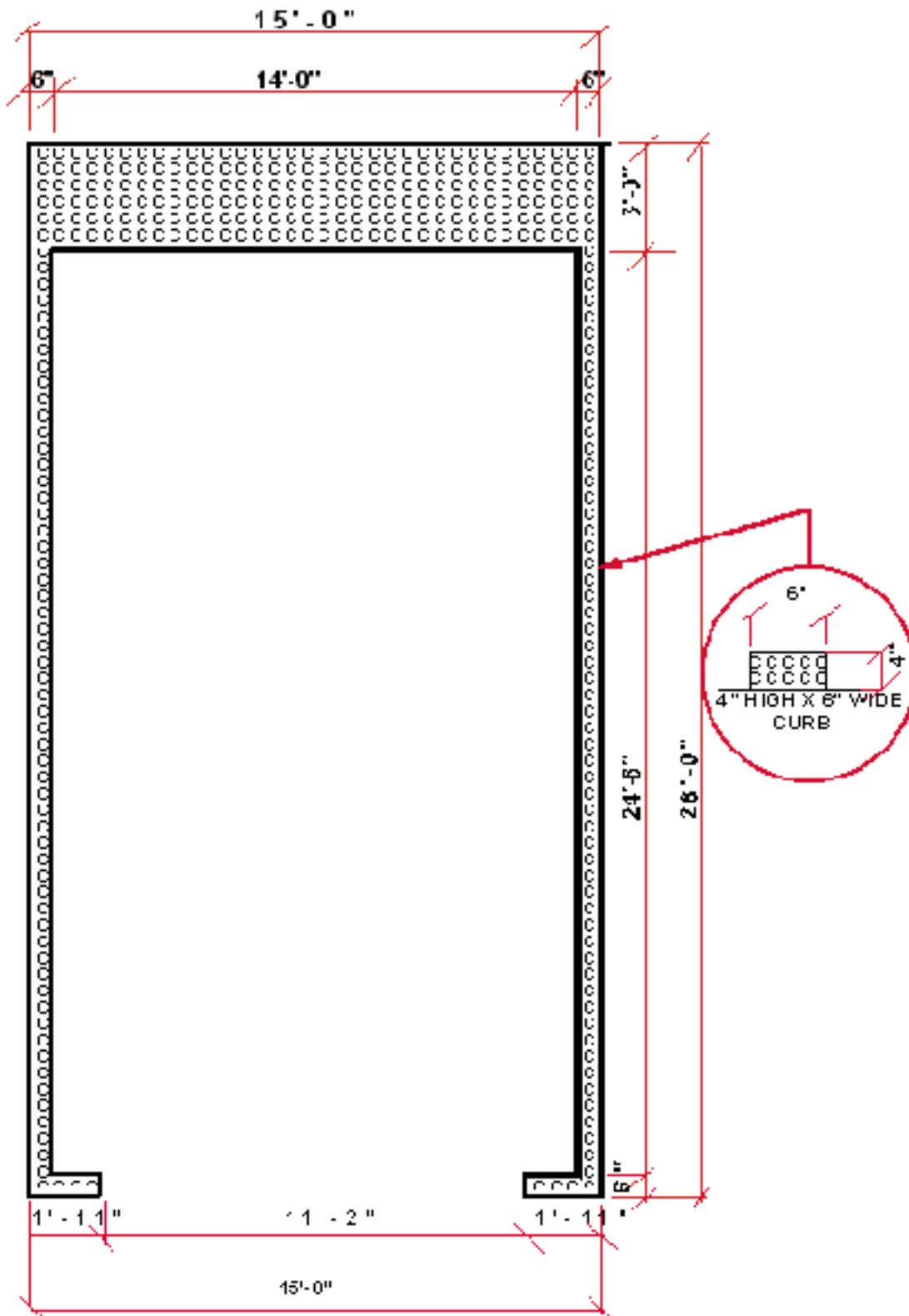
LEFT SIDE



BACK OUTSIDE

GIVENS AUTOMOTIVE PAINT SPRAY BOOTHS

CURB DRAWING FOR ST-1000 & ST1500



GIVCO, INC. 22133 Old Nacogdoches Rd. New Braunfels, TX 78132 Phone: (830) 624-8598 Fax: (830) 625-0724