

Date: May 29, 2015

To: Michigan Prisons

Project: Attn:

### **Recommended Equipment:**

(3) WB-DL-6066.54 welding booth with 5HP top mount collector

PRODUCTION PHOTOS – comparison between standard booth and customization.

Avani Environmental Intl. Inc.

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DO NOT SCALE

IF IN DOUBT ASK

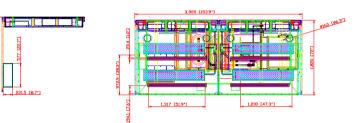


Rev Description Date Approved

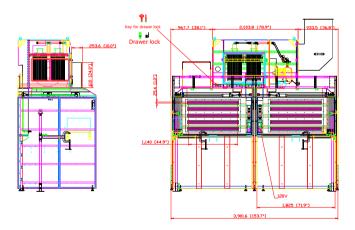
Revisions

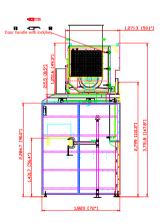
- 1. All bolts used on the booths are Imperial Hex Socket bolts.
- 2. Before bolts are fastened, use Loctite to seal the bolts. The only way to loosen them is by using a blow torch; then using an imperial Allen wrench to loosen the bolts.
- 3. All rigid ducting used for Cartridge filter cleaning system.











#### WB-6066 WELDING BOOTH SPECIFICATIONS for

- Hood Dimensions: 153.6" x 72" x 8.5"
- Back Draft Dimensions: 51.2" x 31.5" x 9" Back Draft Inlet Slots: (10) 1" x 44.9"
- Hood Inlet Slots: (4) 1" x 51.9" Recessed Lights: (4) Explosion Proof Lights (110V, Single Phase, 60 Hz, 20W)
- Adjustable Level System: 2-1/2" Feet (maximum adjustment 5")
- Support Structure: 1-1/2" x 4" steel stock welded
- Panel Construction: 12-gauge welded steel single wall with cross and up bracing - Welding Curtain Supports: (2) adjustable welding curtain brackets
- Forklifting Lugs: total (2) 7.9"W x 3.1"H x 72"D forklifting lugs for dual booth side-by-side to set and move hood / booth / top mounted dust collector
- Fume Arm Ceiling Supports & Brackets: Built into the hood
- Fume Arm Cover Plates: (2) cover plates (6 holt nattern) to match optional dia. 6" fume arm
- Powder Coated: Avani Safety Blue Standard (custom colors available)
- \*\*\* Nine Piece Configuration: (3) side panels, (2) back panels, (2) backdraft assembly, (2) hooddraft assembly to dual booth side-by-side. (Note: booth main set knocks down to separate pack: upper and lower part prior to
- Booths can be mounted back-to-back, side-by-side or both options
- Flectrical Outlets: (2) 110V Outlets @ (1) Switch (additional single or three phase outlets available)
- Light Switch: For overhead lights
- Compressed Air Connection
- CO2 or Gas Connection: (additional gas lines or compressed lines available) - Double Wall Construction (welded)
- \*\*\*Welder bracket/shelf

#### OPTIONS

- Welded Nuts: Optional locations for J-Hooks
- Welding Nuts: For wire feeder or welder bracket
- Adjustable Rear Shelf (solid, grated or cutting table)
- Corner Shelves
- Viewing Windows
- Custom Welding Brackets
- Foot Lockers
- Fixtures Lazy Suzans
- Any option that can fit inside the booth or on the booth

TMC-5-4 dust collector on booth top SPECIFICATIONS for	
Motor:	5 HP NEMA
Electric Spec:	230/460V / 60Hz / 3Ph (wired at 460V) can be prewired in <b>ONE</b> voltage: either: 230V / 60Hz / 3Ph / 14.5A (wired at 230V) or 460V / 60Hz / 3Ph / 7.3A (wired at 460V)
Airflow:	2340 ft3/min 3973.32 m3/hr
Filtration Stages:	1st - aluminum mesh x (2) pcs Spec: 540 x 440 x 22 mm (21.3" x 17.3" x 0.87") 2nd - cartridge filter x (4) pcs Spec: Dla. 380 x 660mmL (dia. 15" x 26"L) Filtering area: 15M2 x 4 = 60M2 (645.6 FT2) Material: Polyester Spun bond with TEFLON treatment & coating
No. of Valves:	2
Compressed Air Requirement:	90 PSI
Compressed Air Reservoir:	2.63 gallon
Construction:	14 gauge steel
Max. Operating Temp.:	120°C
Paint Color:	Blue
Sound Level dBA	average decibel rating: 78 dBa (measured @ 1m/3.3ft away from the unit). average decibel rating: 77 dBa (measured @ 3m/9.8ft away from the unit).
Accessories:	HEPA: (1) 30.1" x 25.4" x 2" per collector
	**gauge hole pre-drilled.

#### **PRELIMINARY**

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Date Part Number: Name Drawn by: 2015-04-08 \*\*\* REVISION E Checked by:

The drawings, AutoCAD, 3-D Models, and specifications are the property of Avani Environmental Intl. Inc. (AE) and may not be reproduced, distributed, modified, or otherwise used, except provided herein, without the express written permission of AE. WB-6066 (2sets side-by-side) with TMC-5-4

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Drawing Number: Size Scale Michigan Dept. of Prisons 1 = 45Page 1 of 1

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### **Custom WB-6066 Backdraft**

- Inlet slots w/o adjustable knobs
- Cannot be opened



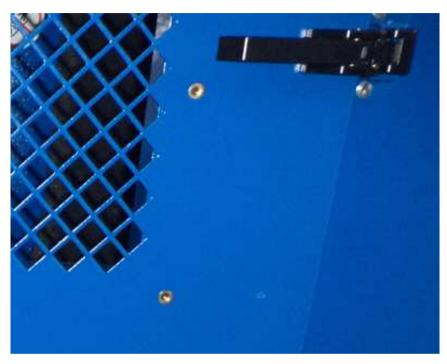
### Standard WB-6066 Backdraft

- Inlet slots w/o adjustable knobs
- Can be opened



**Custom WB-6066 Top Mount Collector door** 

- Lockable maintenance door



### **Standard WB-6066 Top Mount Collector door**

- Unlockable maintenance door



**Custom WB-6066 Top Mount Collector drawer** 

- Lockable drawer with key



**Standard WB-6066 Top Mount Collector drawer** 

- Lockable drawer w/o key



#### **Custom WB-6066 nuts & bolts**

- Socket head cap bolts



#### Standard WB-6066 nuts & bolts

- Hex bolts

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### **Custom WB-6066 Curtain holder**

- Socket head cap bolts



#### Standard WB-6066 curtain holder

Adjustable knob





**Custom WB-6066 Control bar nuts & bolts** 

Socket head cap bolts



Standard WB-6066 Control bar nuts & bolts

- Hex bolts