



**Date:** September 01, 2011

**To:** MSI

**Project:**

**Attn:** Mr. William F. Bailey

**Recommended Equipment:**

(3) pcs SDT-180 to be (1) set: table top with rubber rings

- gap between table joints
- table outlet: 6.8" OD

(1) SDC-15-16 Cartridge Collector Drum Type

- 6,400 CFM @ 8" SP
- normal 52"L polyester cartridges
- inlet: dia. 16" (angle flange)
- explosion vent: 24"W x 36"H x 2pcs

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**Avani Environmental Inc.**  
95 Cypress Drive  
Youngsville, NC 27596  
[www.avanienvironmental.com](http://www.avanienvironmental.com)

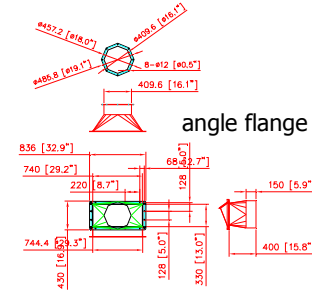
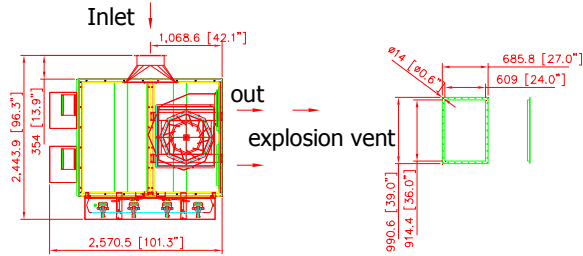
Phone: (919) 570-2862  
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DO NOT SCALE

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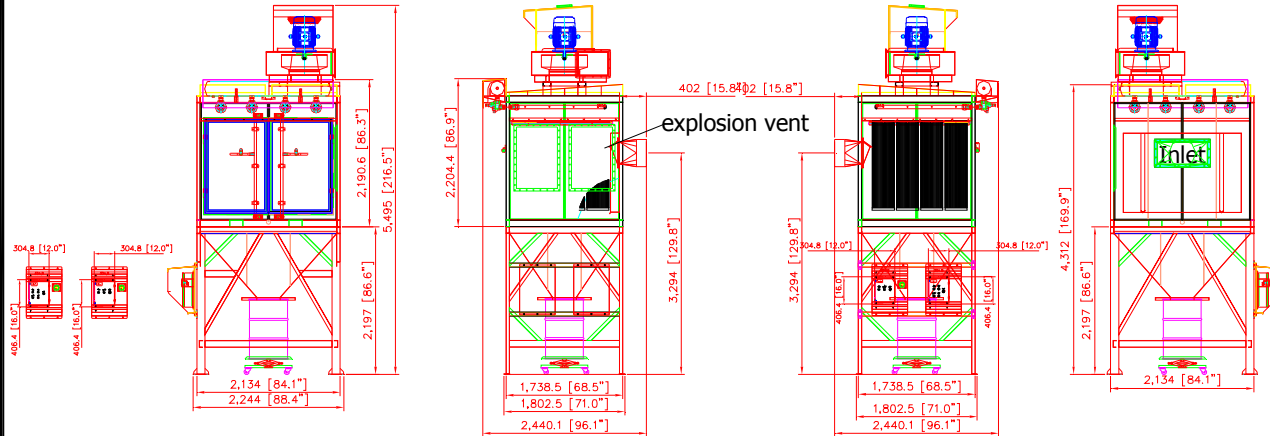


Revisions			
Rev	Description	Date	Approved

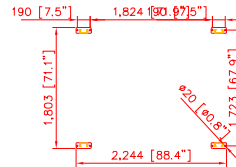


- SDC-15-16 SPECIFICATION -

- Direct Drive Blower (on top)
- Motor: 15HP x 1 pc
- CFM: 6,400 ft<sup>3</sup>/min @ 8" SP
- Include:
  - UL Individual Control Boxes for Cartridge Collector and Blowers
- \*\*\*Inlet: Dia. 16" (will provide inlet square to round)
- Cartridge Filter: Dia. 325mm x 1320mm x 16pcs (Dia. 12.8" x 52" x 16pcs)
- Material: Polyester with TEFLON coating.
- Filter Area: 19m<sup>2</sup> x 16 = 304 m<sup>2</sup> (3271.04 ft<sup>2</sup>)
- Pleat Depth: 48mm
- Horizontal Positioned Filters,
- Continuous Welded Seams,
- Gasket and Latched Doors,
- Powder Coated Paint and
- Reverse Jet Pulse Cleaning
- Include:
  - Drum & Jack Lifting Tool
  - Filter Chamber
  - Hopper
  - Inlet Square Pipe (need dimensions)
  - Fan/motor combinations
- No. of Valves: 4
- Inlet Air: 4"
- Compressed Air Requirement: 90 PSI
- Compressed Air Reservoir: 15.8 gallon
- Dimension: 88.4" x 96.1" x 216.5" (2244 x 2440.1 x 5495mm)
- Construction: 13 Gauge for panel; 11 Gauge Steel Cabinet
- Max. Operating Temp.: 120°C
- Paint Color: Blue



pulse control box on the left  
blower control box on the left



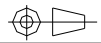
PLAN DETAIL

\*\*\*hole for explosion vent: 24"W x 36"H x 2pcs  
\*\*\*pulse control box run off of 120V, 1-phase, no transformer inside pulse box.

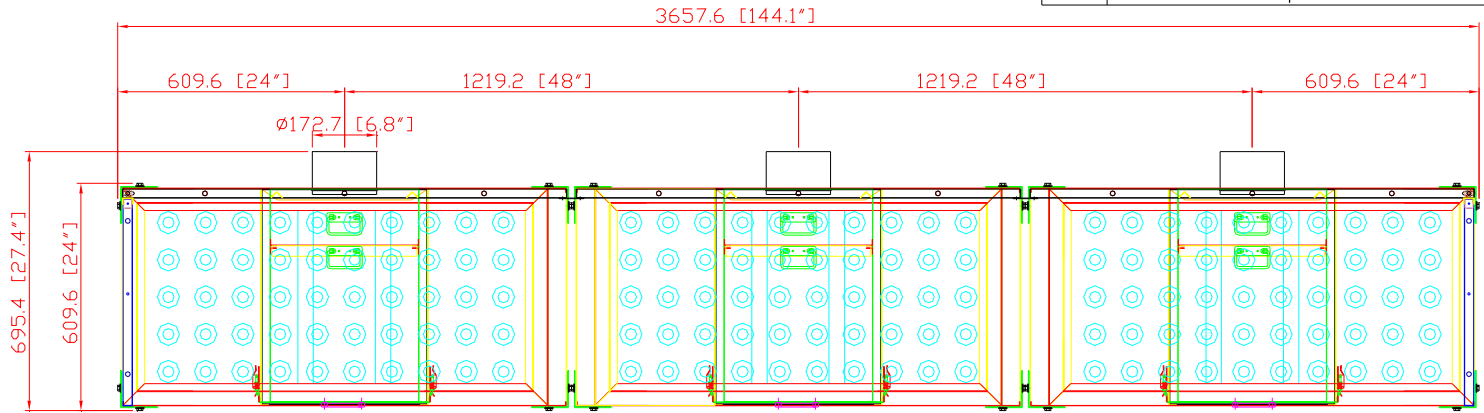
AVANI ENVIRONMENTAL INTL. INC. Sales Department 95 Cypress Drive Youngsville, NC 27596 info@avanienvironmental.com	Date 2011-09-01	Name ***	Part Number: SDC-15-16	Title: Large Cartridge Collector	
	Drawn by: 2011-08-31	Checked by: 2011-08-31		Size D	Scale 1 = 1
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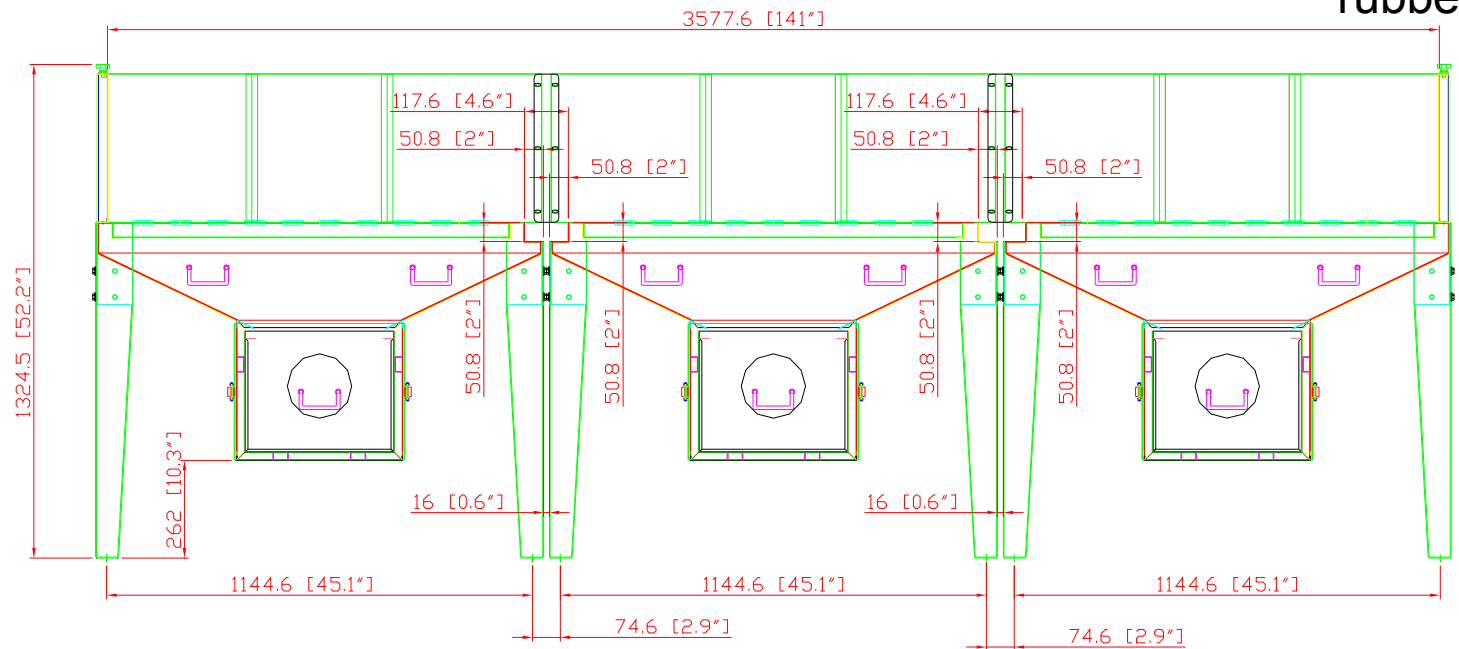
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rubber table top



(3) tables to be (1) set

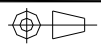
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 95 Cypress Drive (919) 570-2862  
 Youngsville, NC 27596 info@avanienvironmental.com

Date	Name	Part Number:	Title:
2011-09-01	***	**	(3) SDT-180
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Size	Scale	Drawing Number:
D	1 = 18	solid back joint

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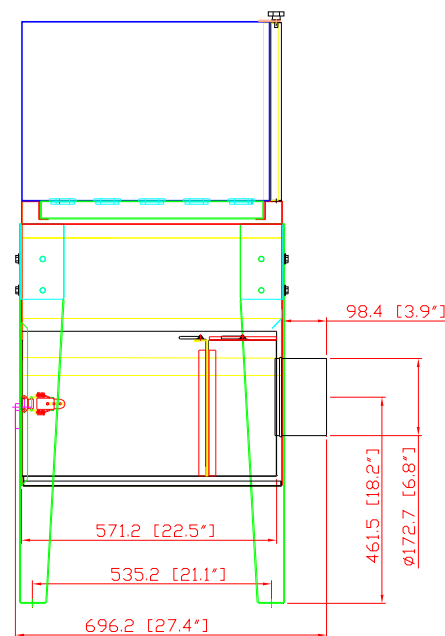
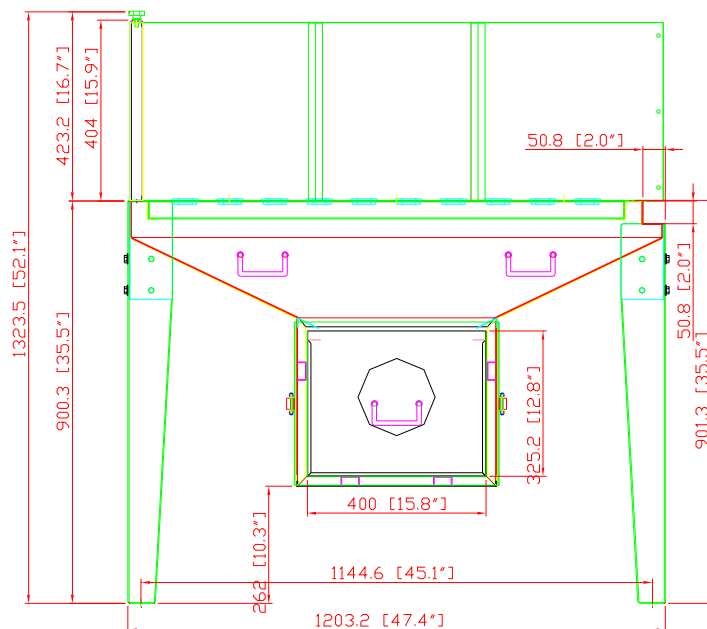
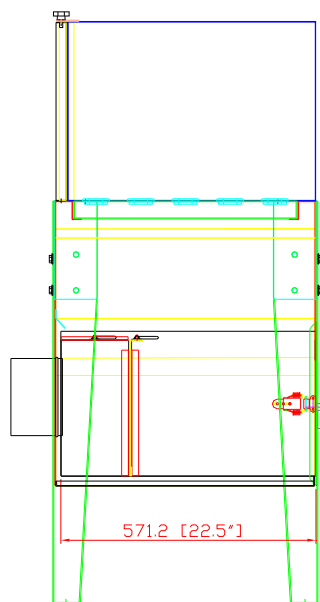
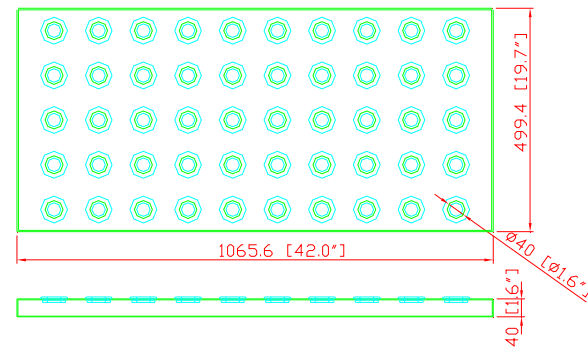
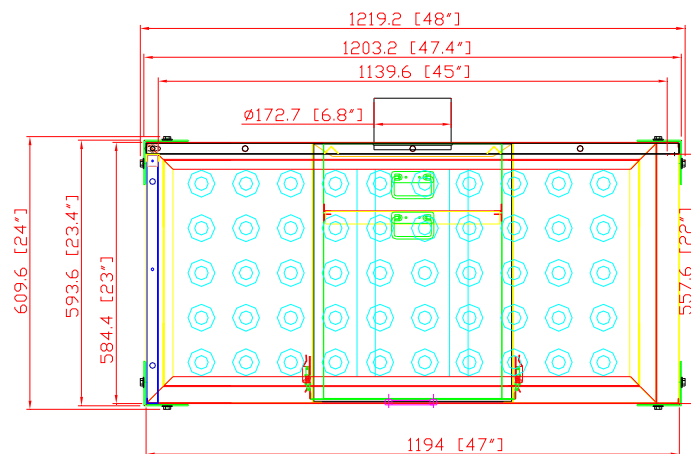
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# left table



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Title:	SDT-180 (left)	
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Size	Scale	Drawing Number:
D	1 = 15	solid back joint

DO NOT SCALE

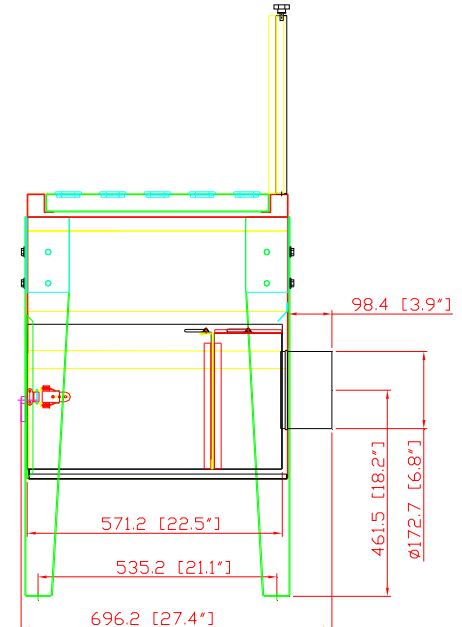
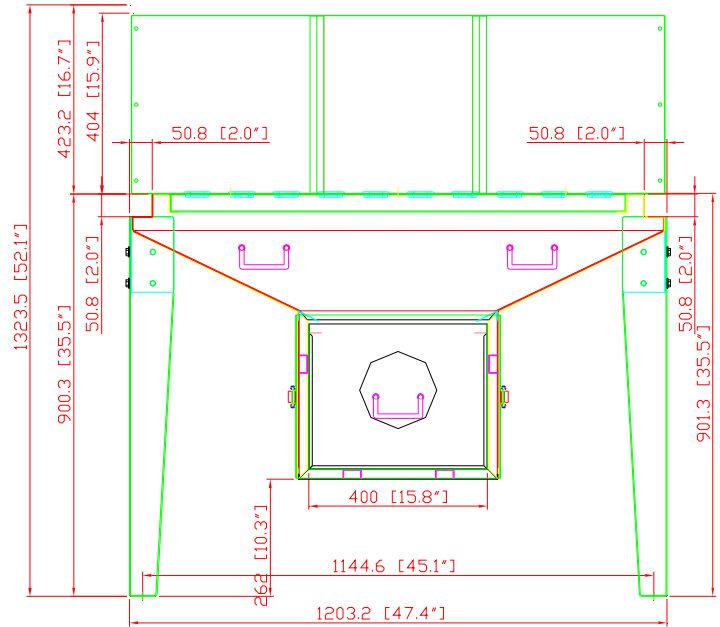
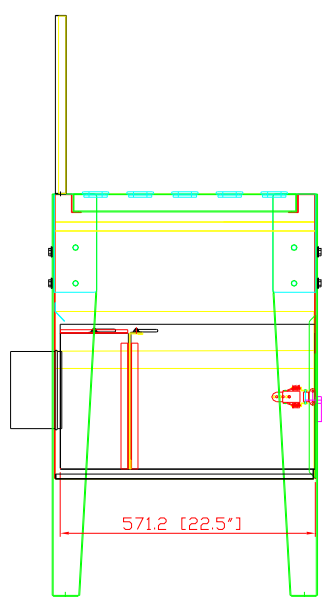
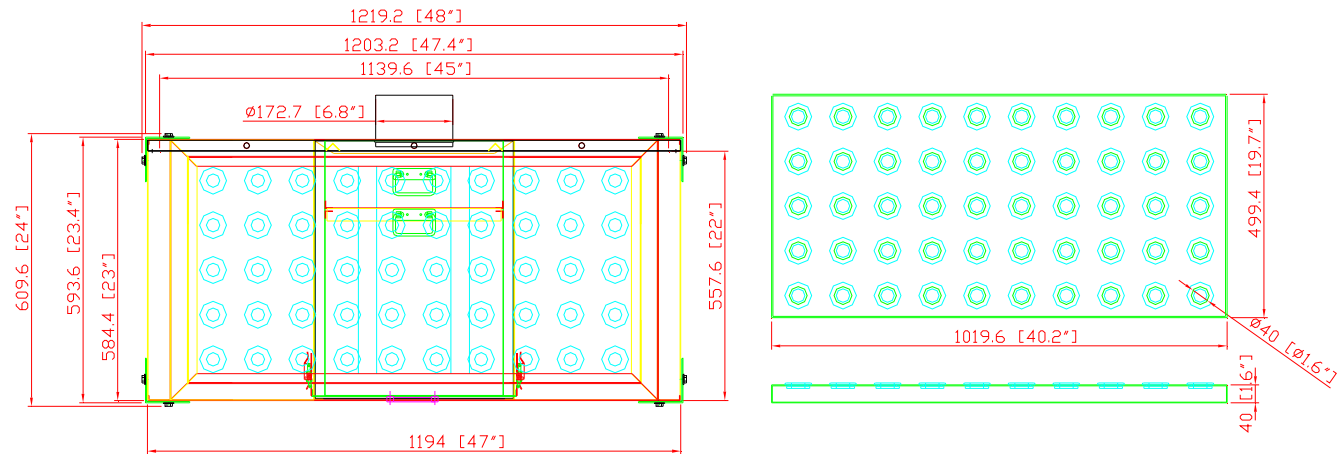
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# middle table



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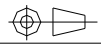
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Title:	SDT-180 (middle)	
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Size	Scale	Drawing Number:
D	1 = 15	solid back joint

DO NOT SCALE

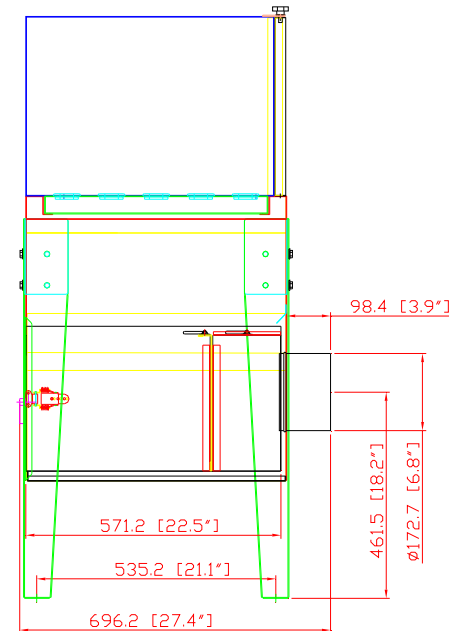
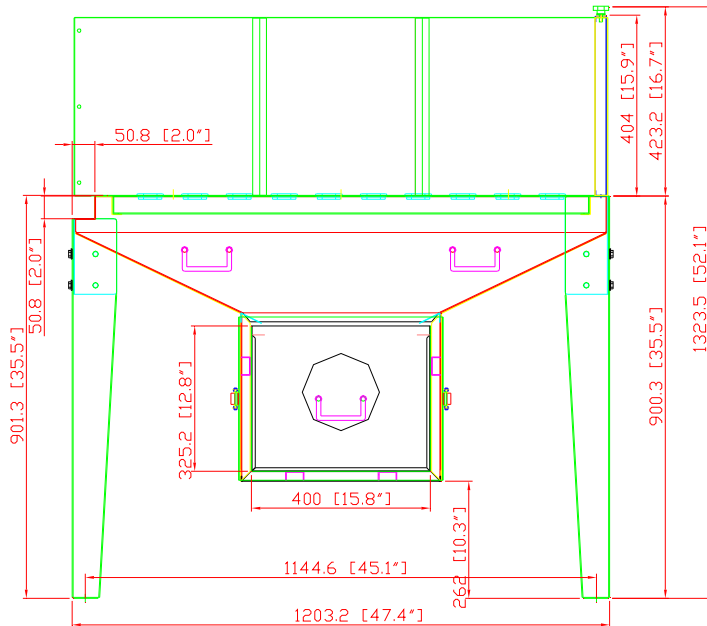
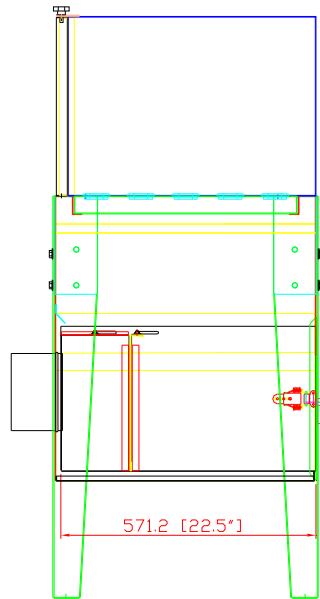
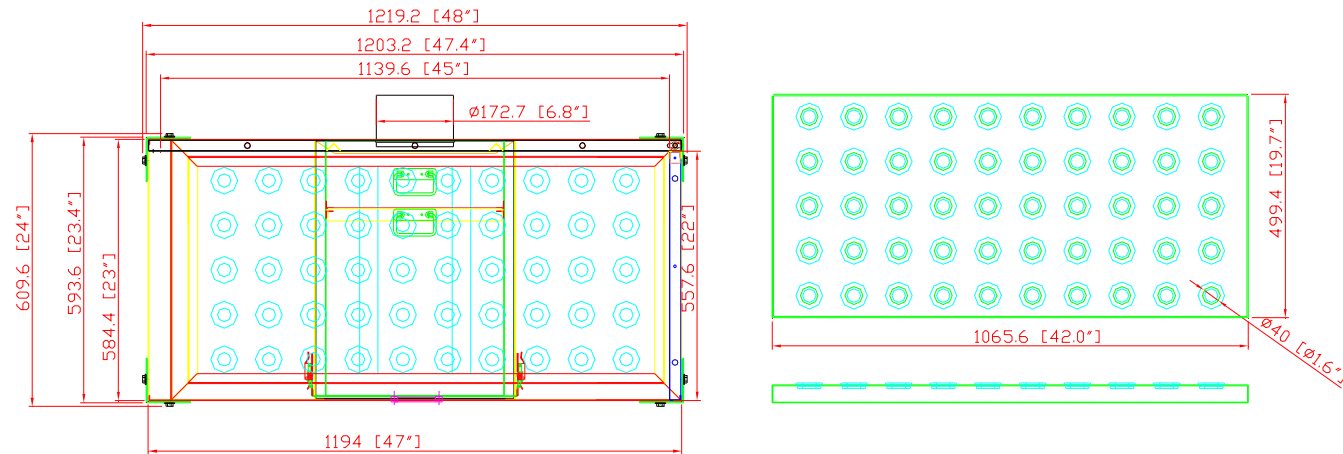
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right table



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Title: SDT-180 (right)

Size	Scale	Drawing Number:
D	1 = 15	solid back joint