

WB-5x5P (2 sets)

w/

SDC-B-7-4 7.5HP dust collector  
(per two booths)

assembly procedure

<for Maryland>

March 22, 2010





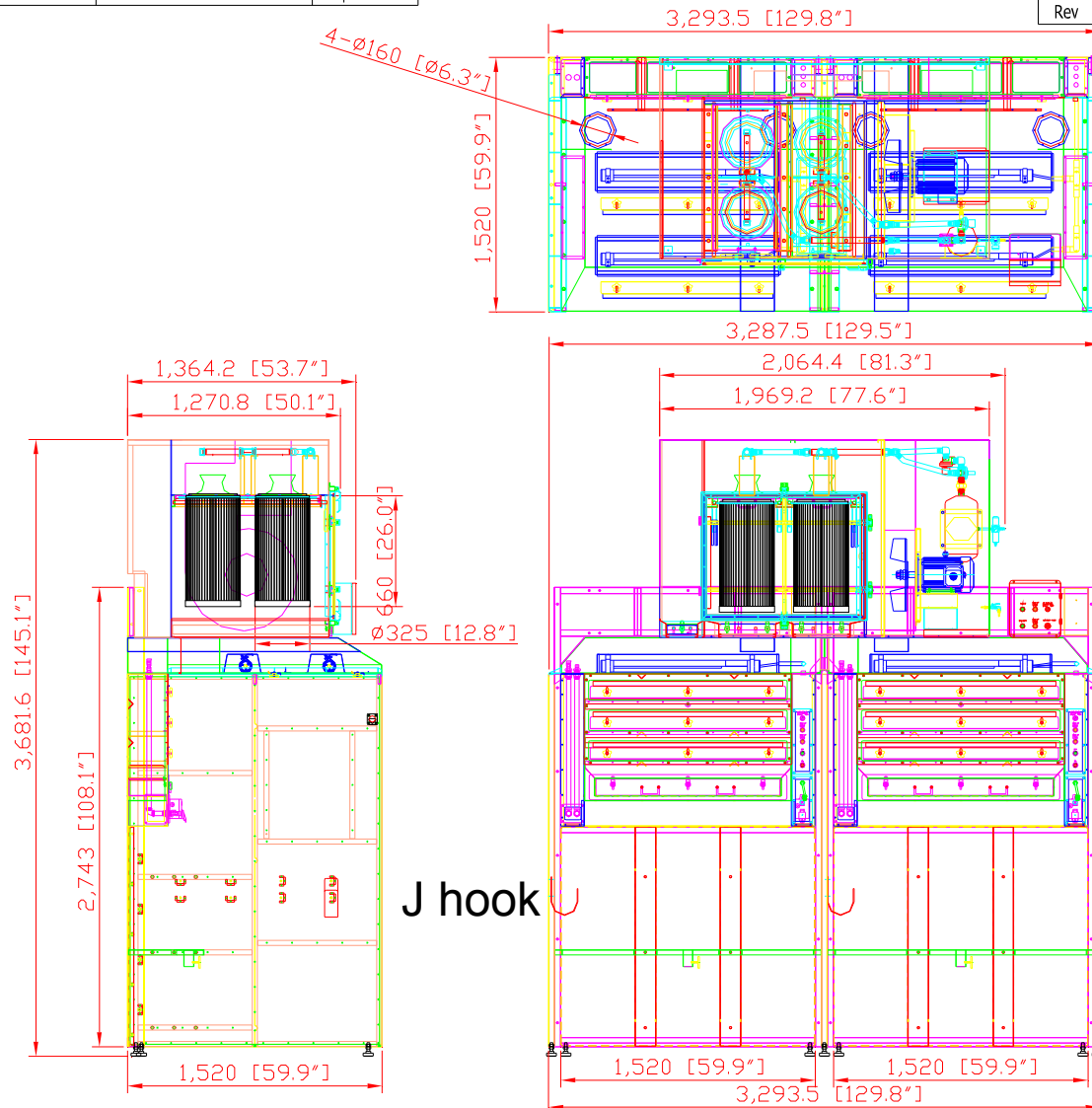


DO NOT SCALE

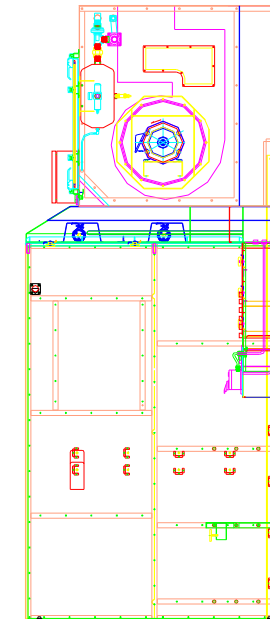
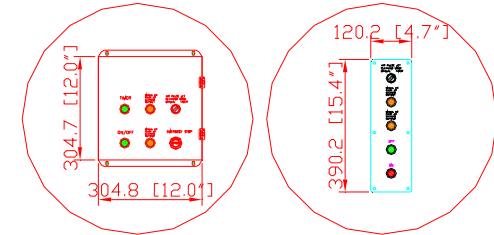
IF IN DOUBT ASK



Revisions			
Rev	Description	Date	Approved



control box

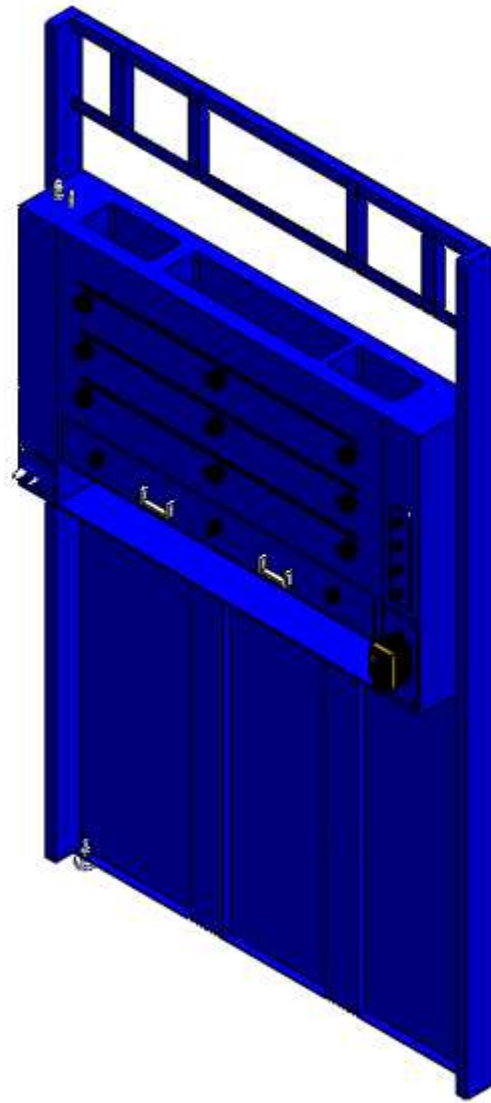


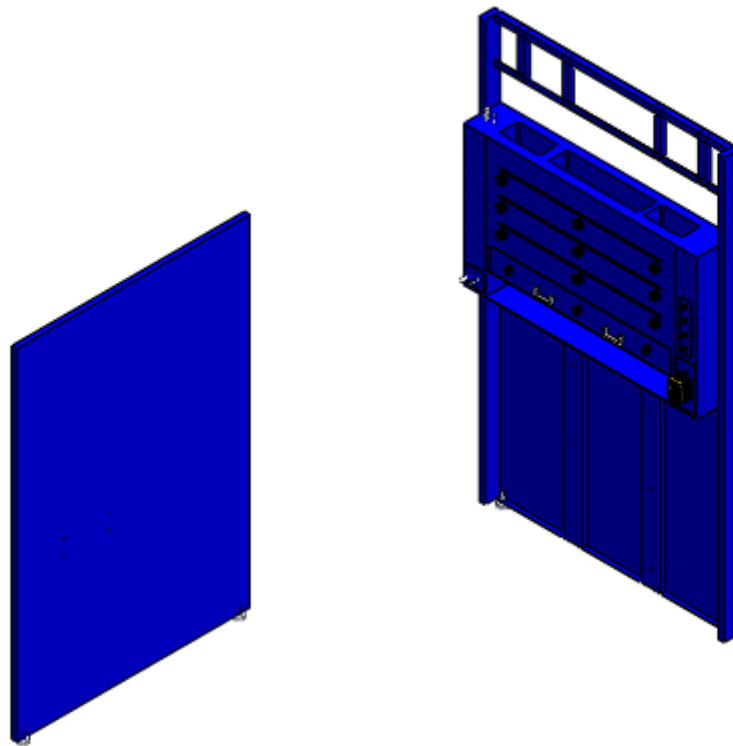
OSKAR AIR PRODUCTS, INC.  
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Drawn by:	Date	Name	Part Number:
Checked by:	2009-12-31	XXXXX	**
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Title:		
WB-5x5P(2 sets) with SDC-B-7-4		
Size	Scale	Drawing Number:
A	1 = 38	WB-5-5P(two S)

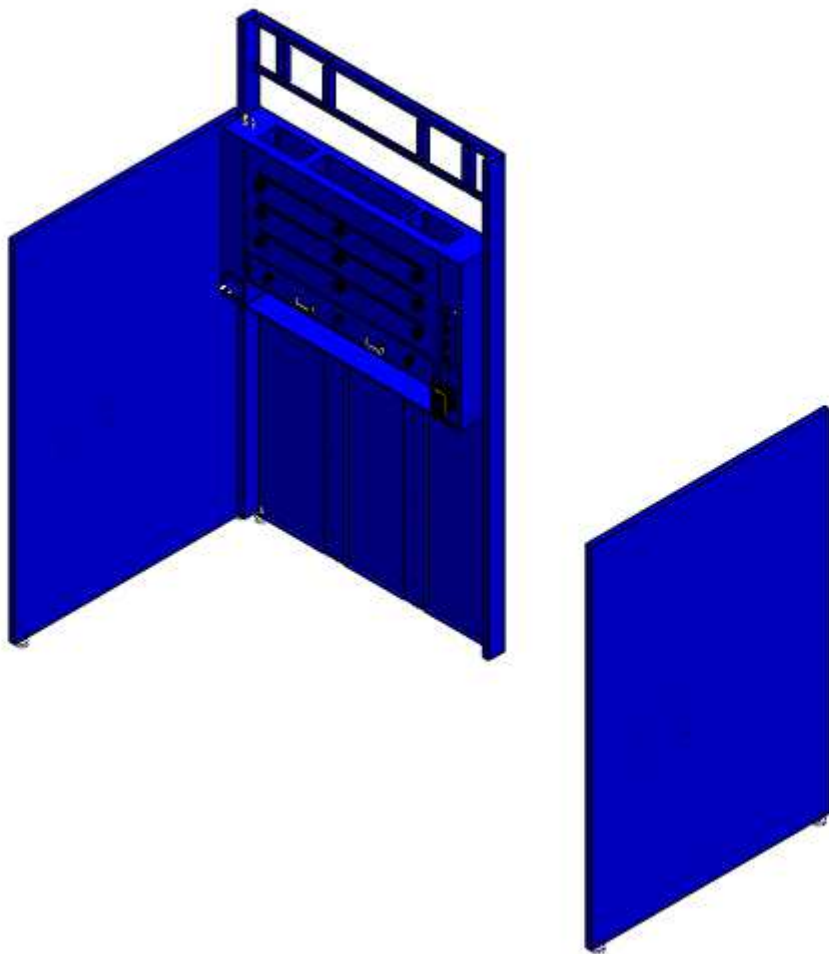


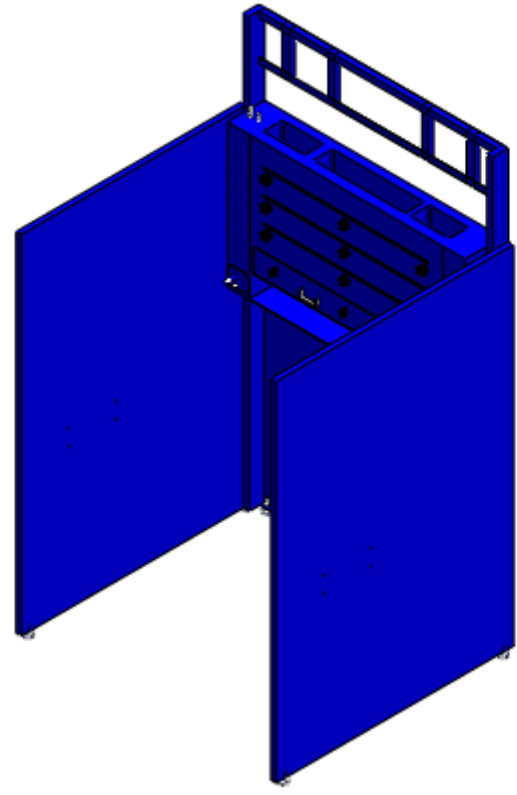


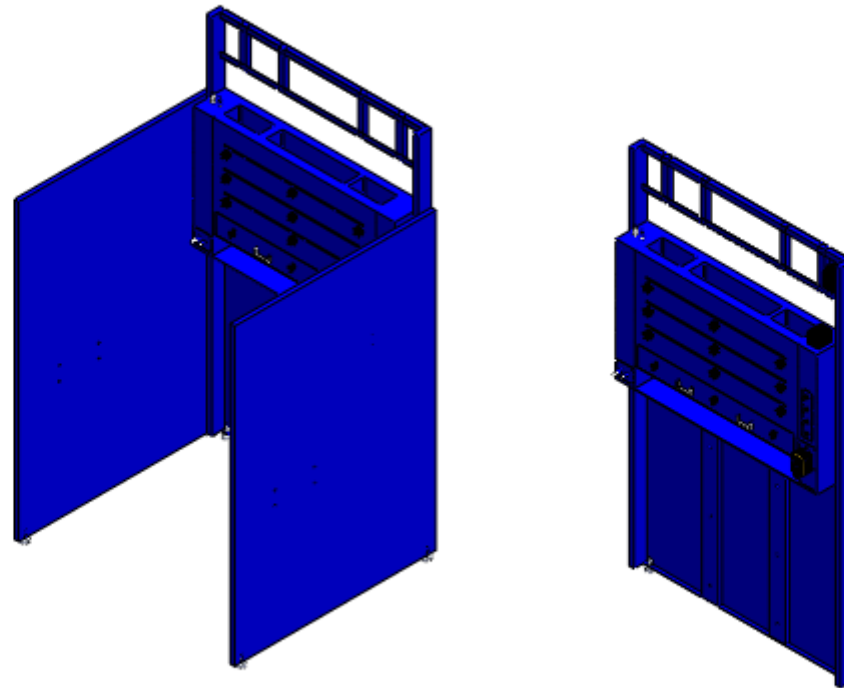
Hardware Bag 2



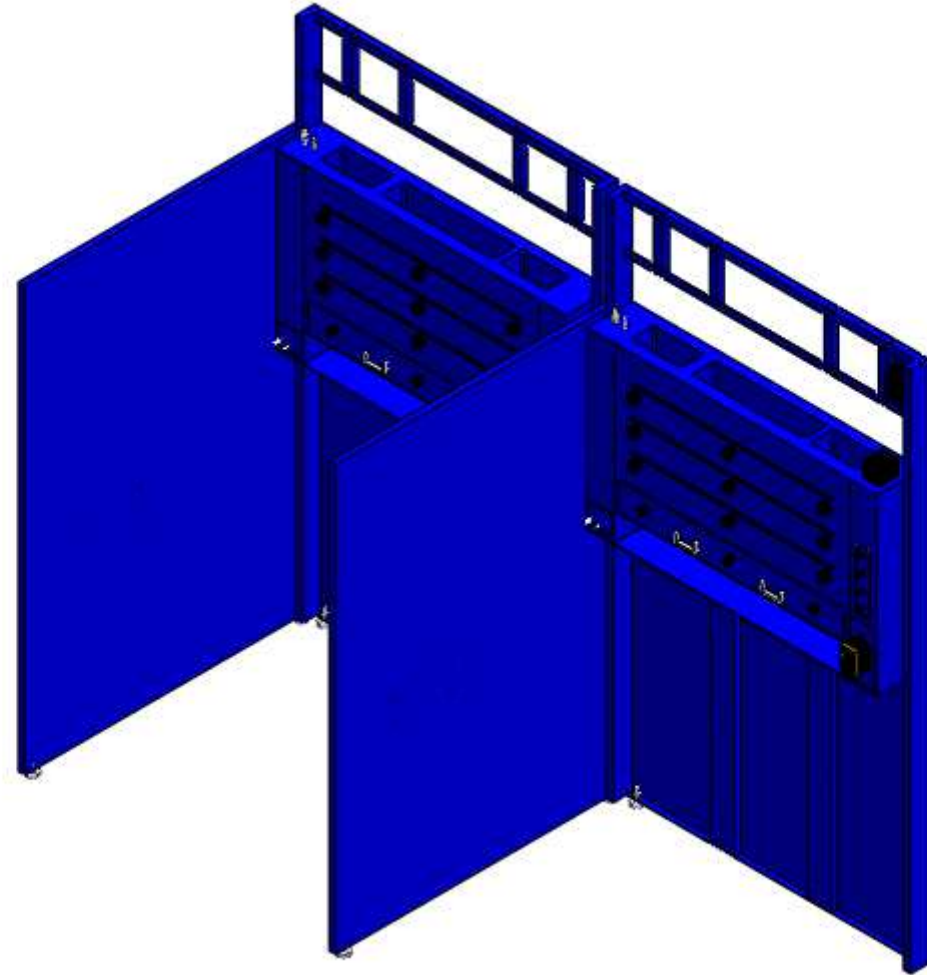


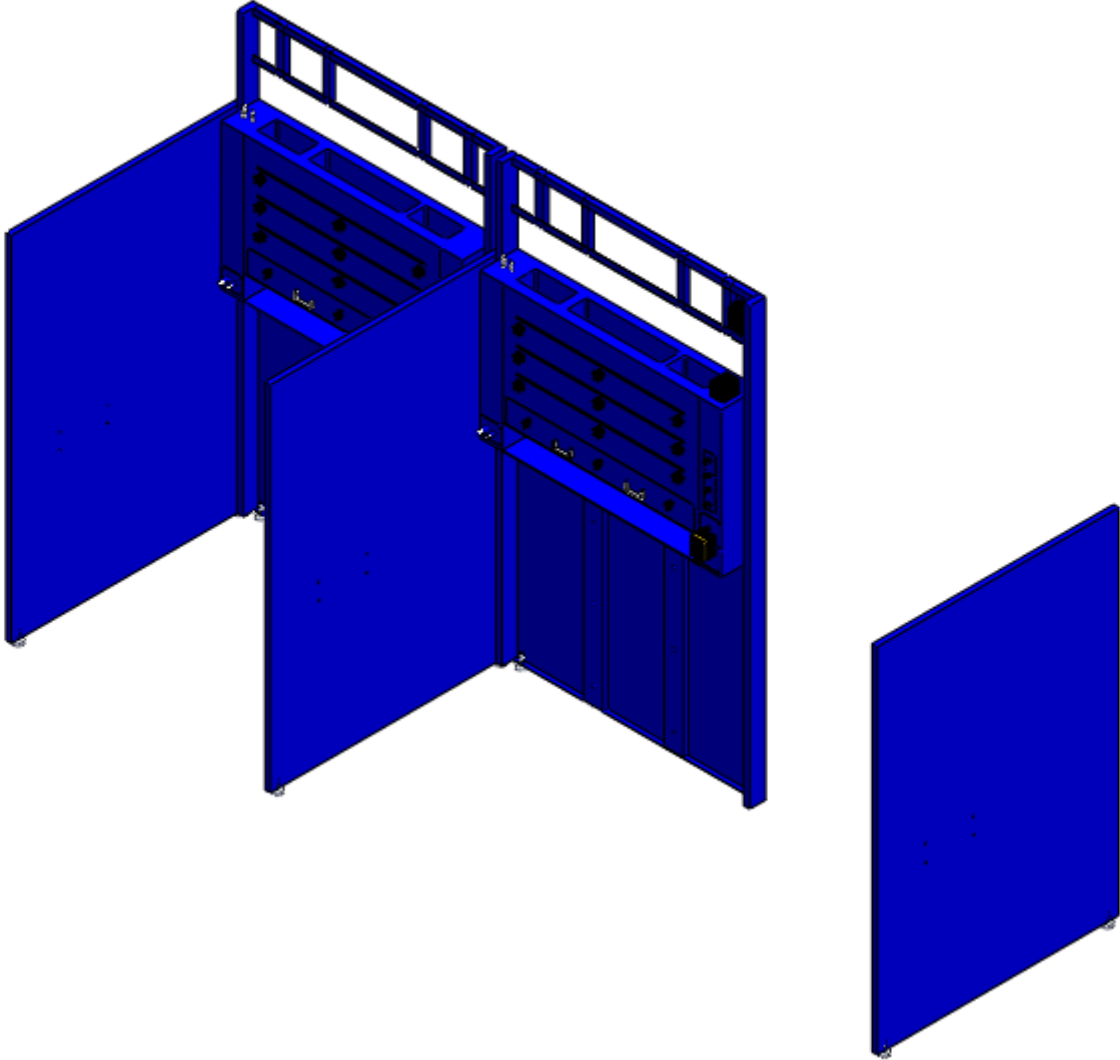




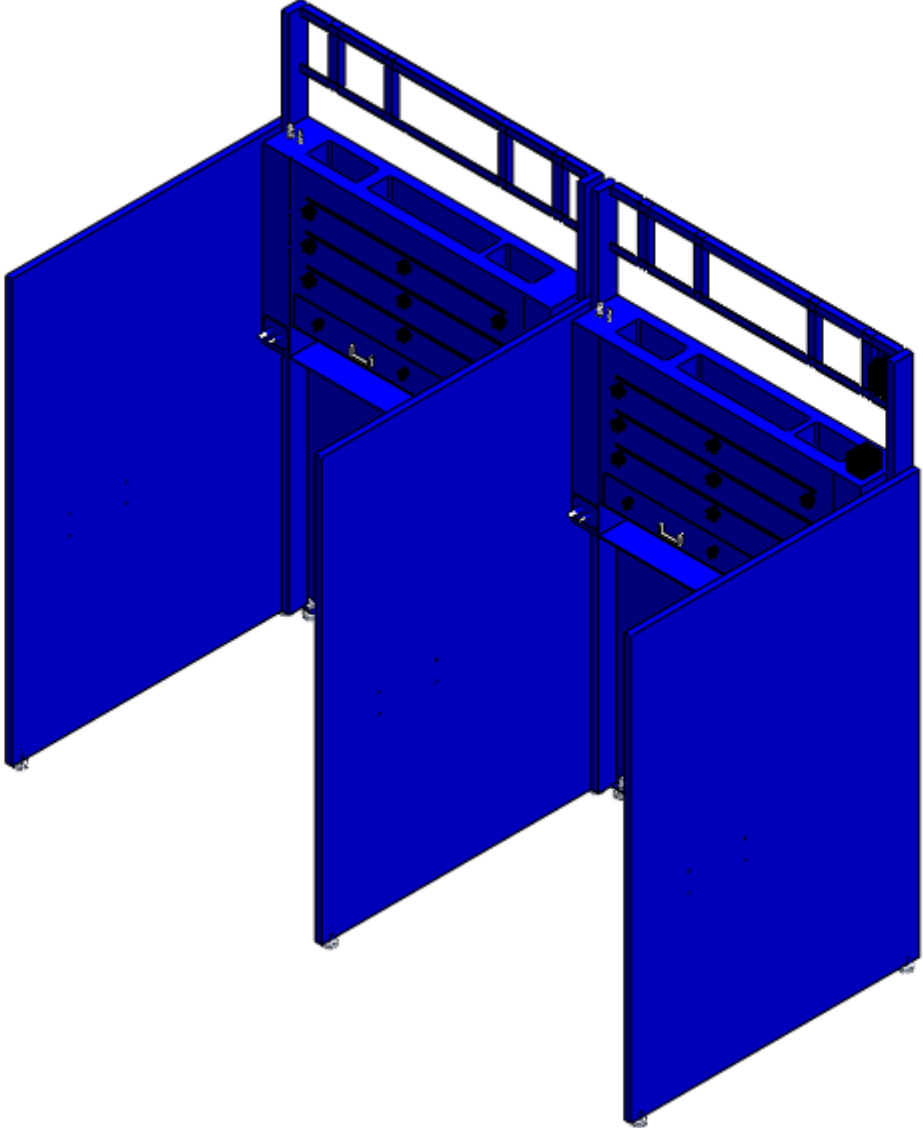


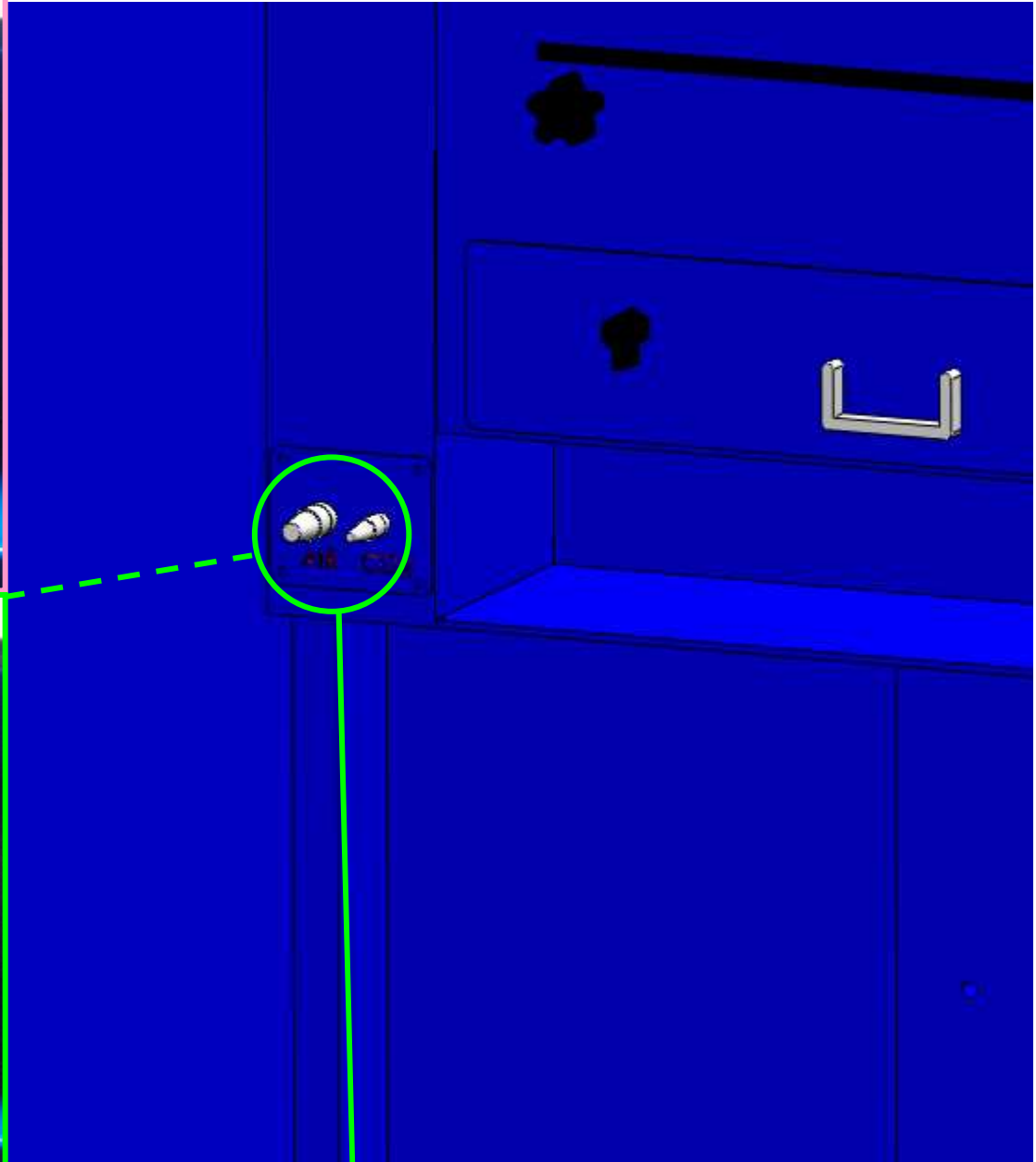
Hardware Bag 1





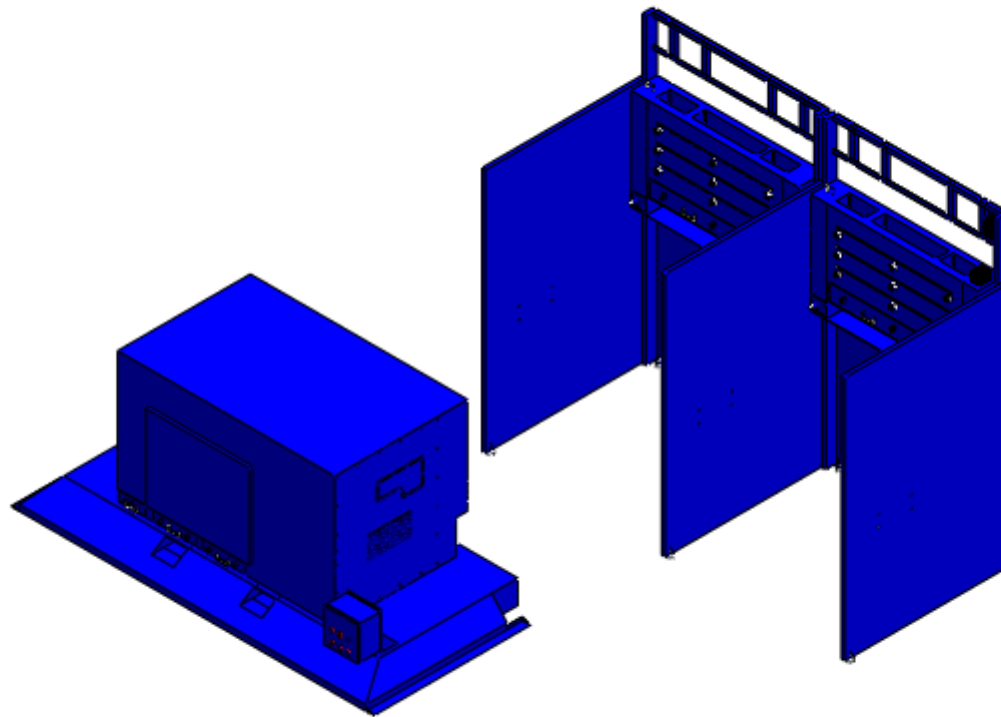
Hardware Bag 2





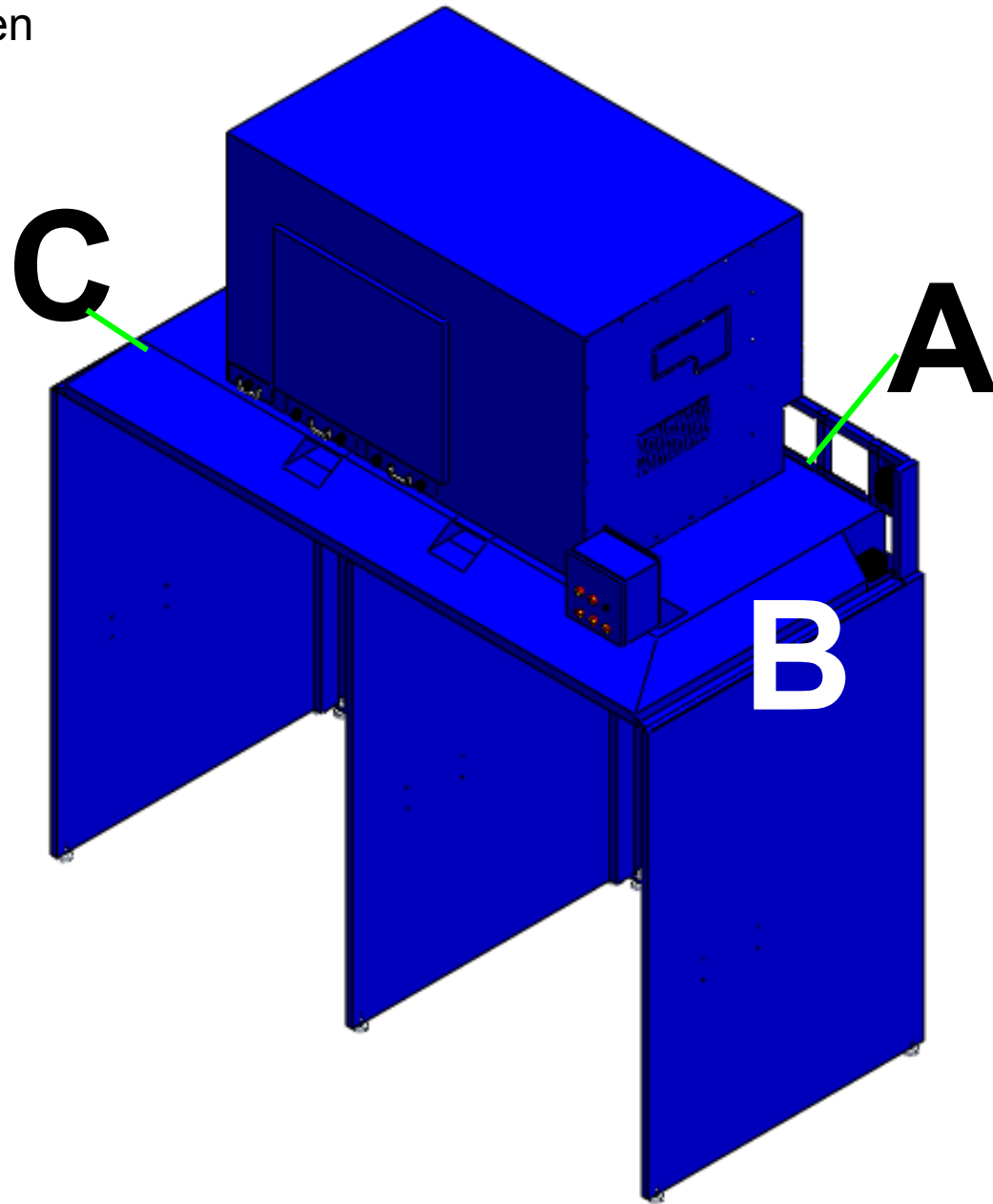
CO2 and air compressor connector

- Place the TMC-7-4 and the top hood draft above the booths.

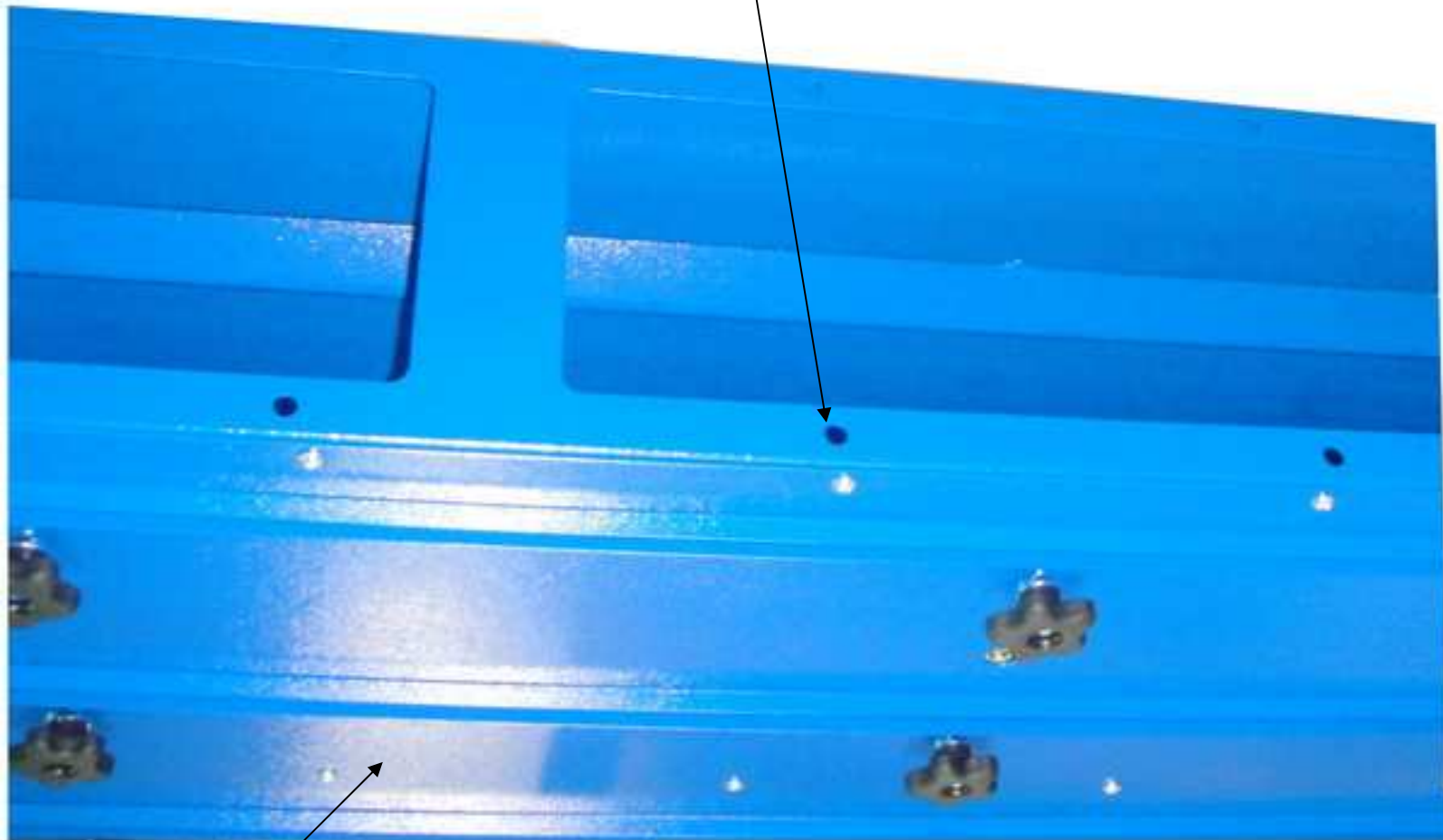




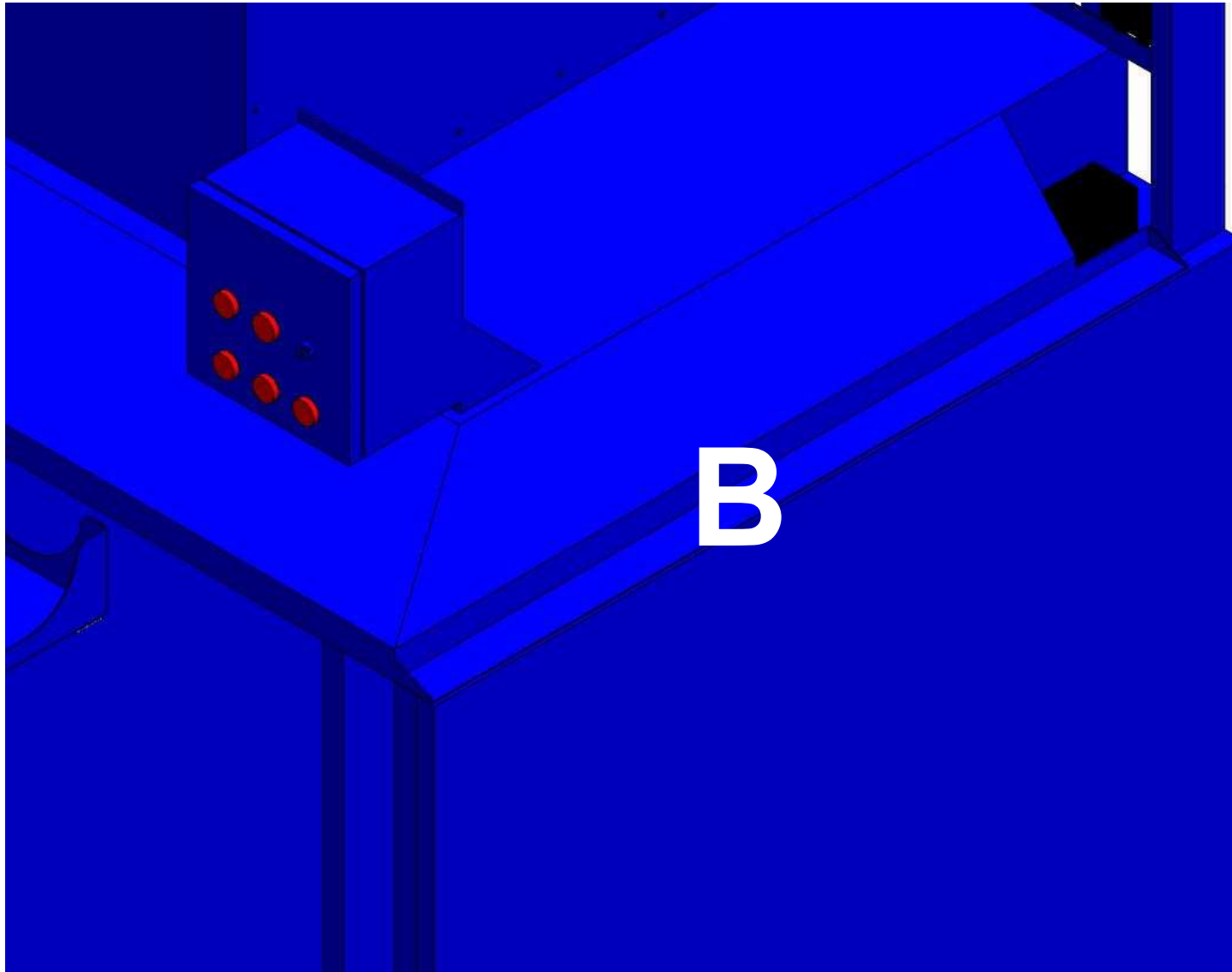
•Follow steps A, B, and C completely and fasten screws afterwards.



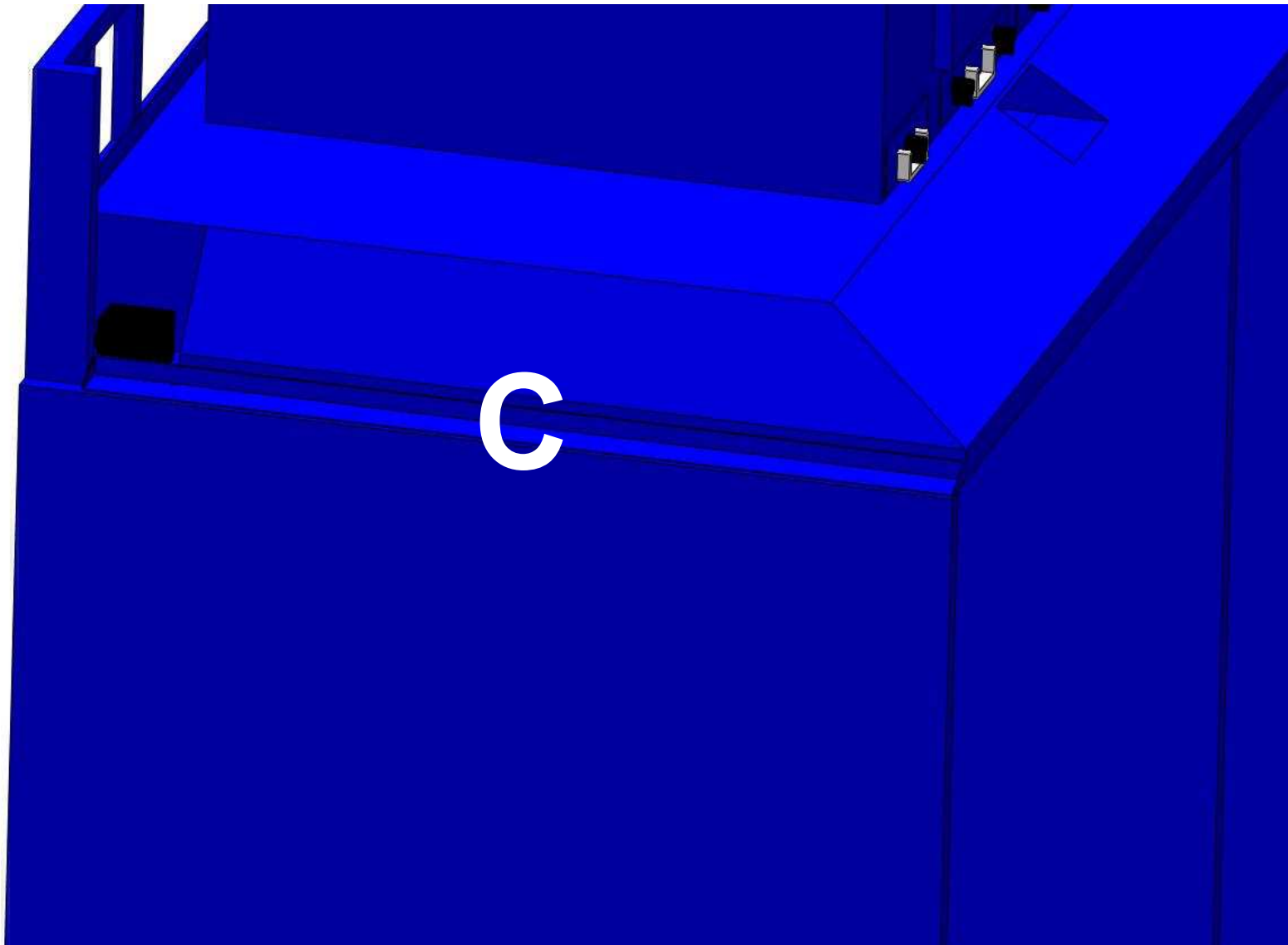
**A2:** Match the bolt patterns of the upper part of the backdraft to the bolt patterns of the TMC-7-4.



**A1:** Take off the front panel of the backdraft module.

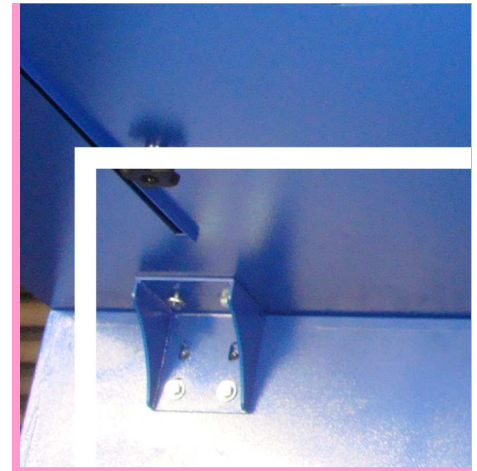


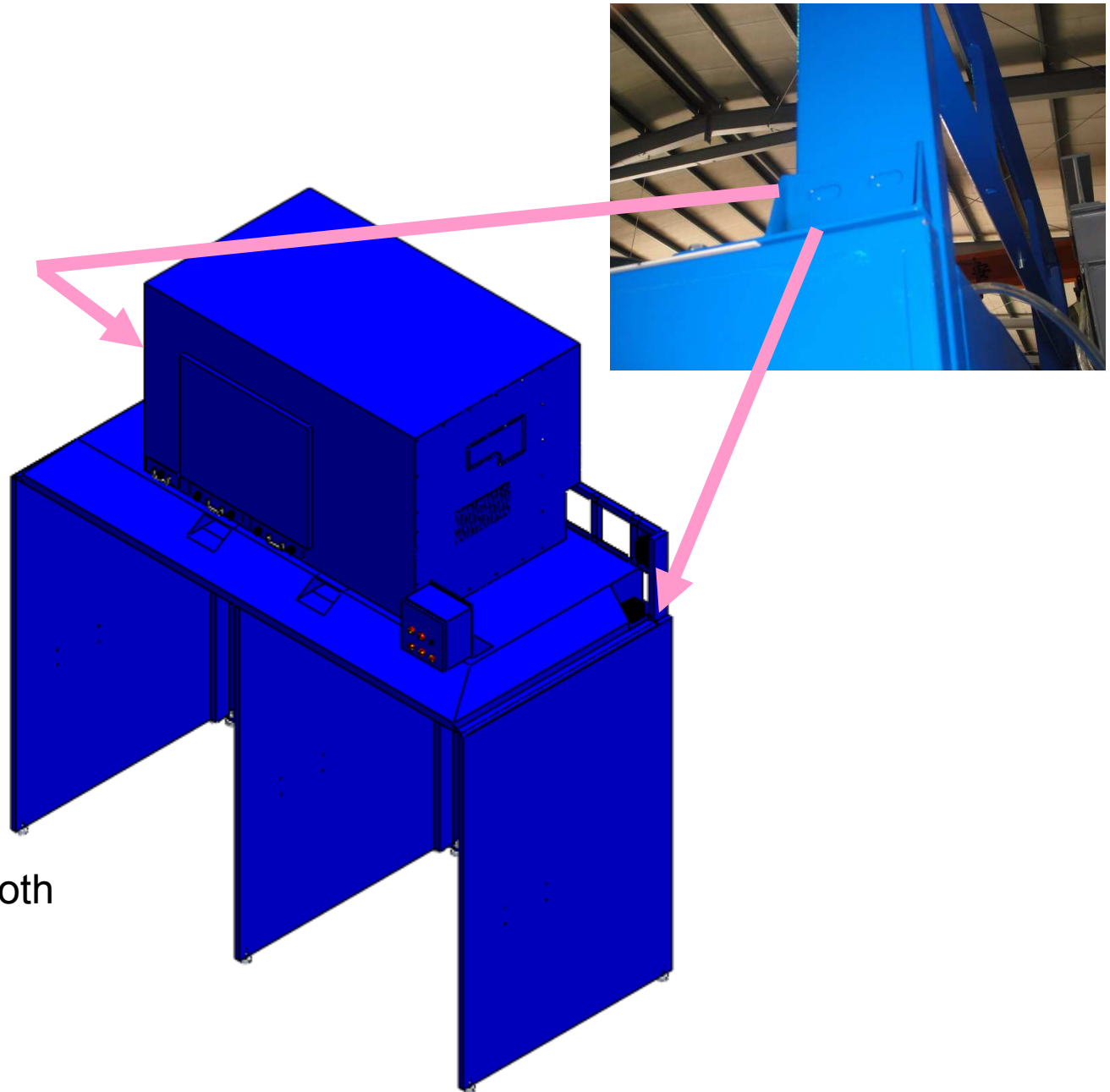
**B:** adjust the feet to ensure that the bolt patterns of the side panel match to the bolt patterns of the top hood draft.



**C:** adjust the feet to ensure that the bolt patterns of the side panel match to the bolt patterns of the top hood draft.

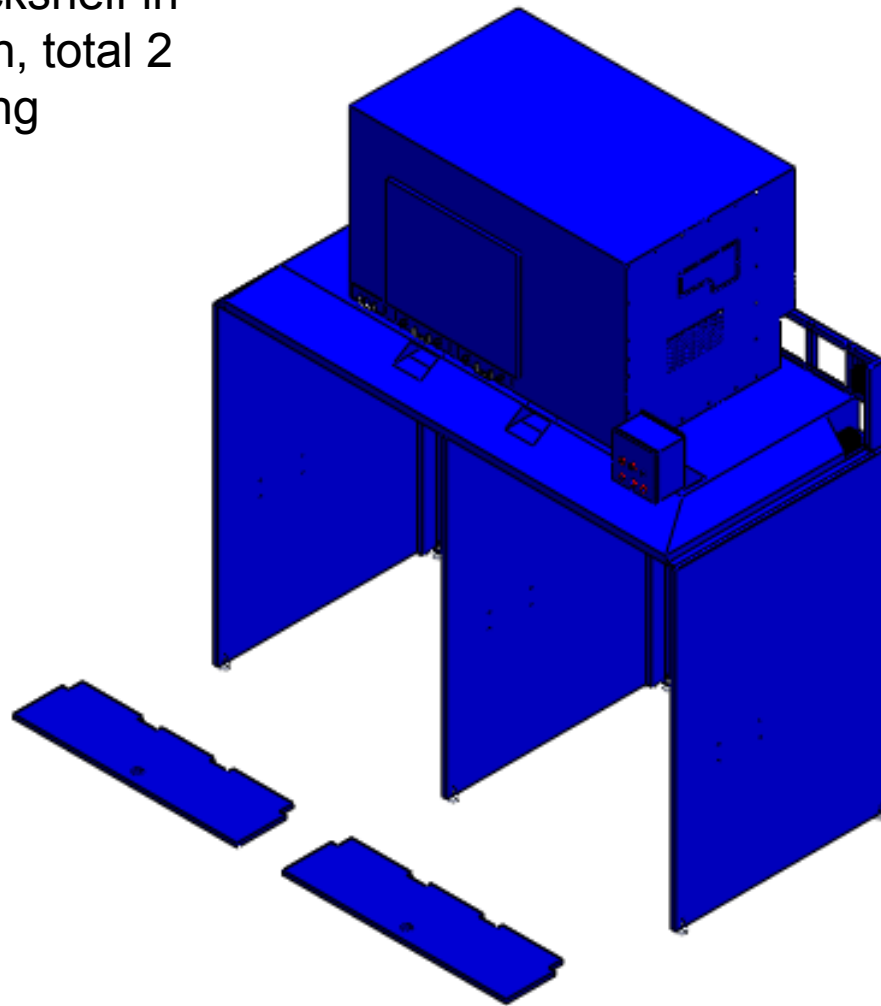
- Attach the hypotenuse corner gussets bases at the panels, below the top hood draft, 2 pcs on each panel side, total 8 pcs for the two booths sitting together (pink circles).

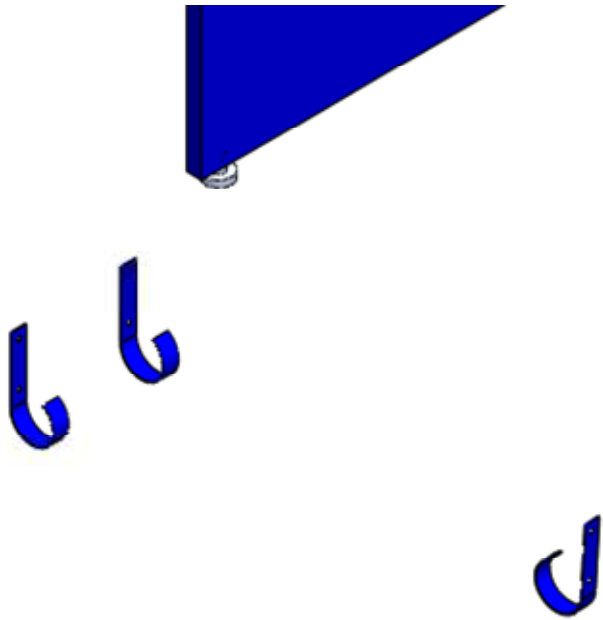




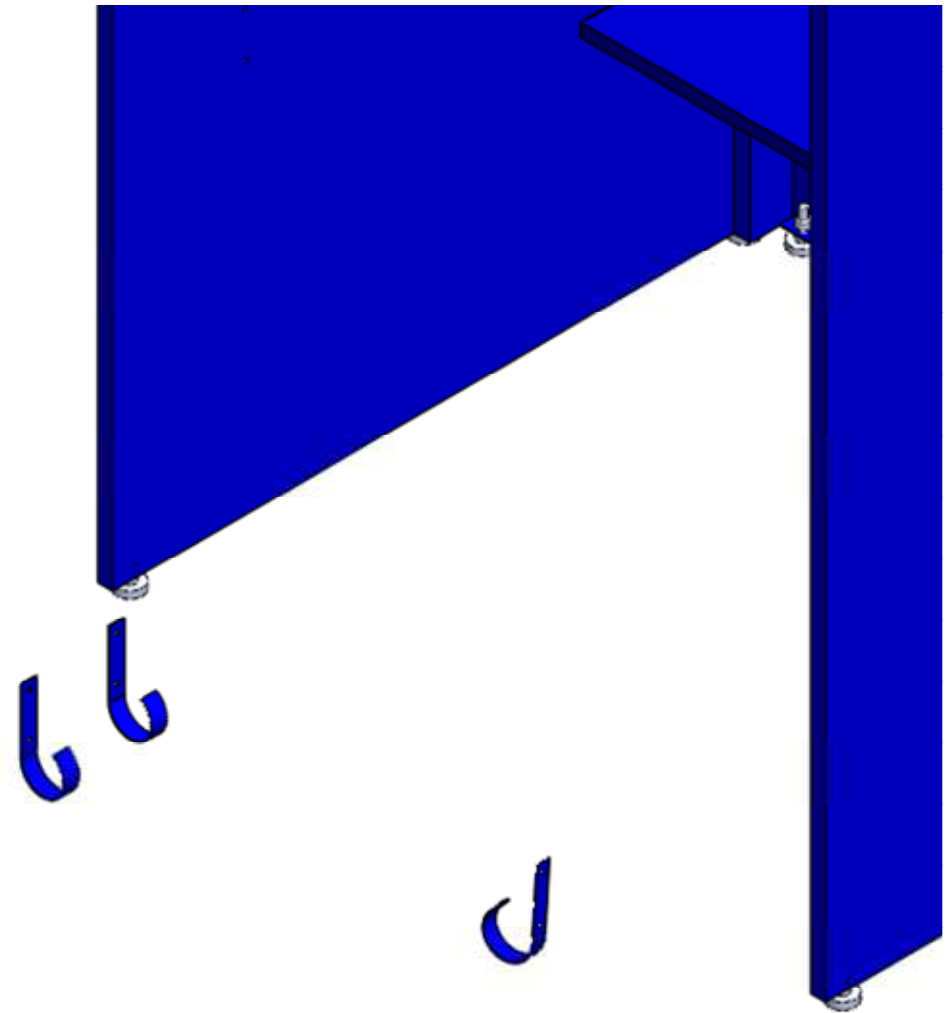
•Attach the fixing bases to both sides (pink arrows).

- Secure the adjustable backshelf in position, 1 pc in each booth, total 2 pcs for the two booths sitting together.





- Attach J-hooks to the panels, 4 pcs in each booth, total 8 pcs for the two booths sitting together.





J hooks



**D: control panels inside the booths**

**E: electrical junction box, cable connections of overhead lights and light switch**

**F: main power supply outsourcing for TMC-7-4**

**G: main electrical box wiring for TMC-7-4**



**WB-P-5x5MA-L**

**(left booth when facing the unit)**

**WB-P-5x5MA-R**

**(right booth when facing the unit)**

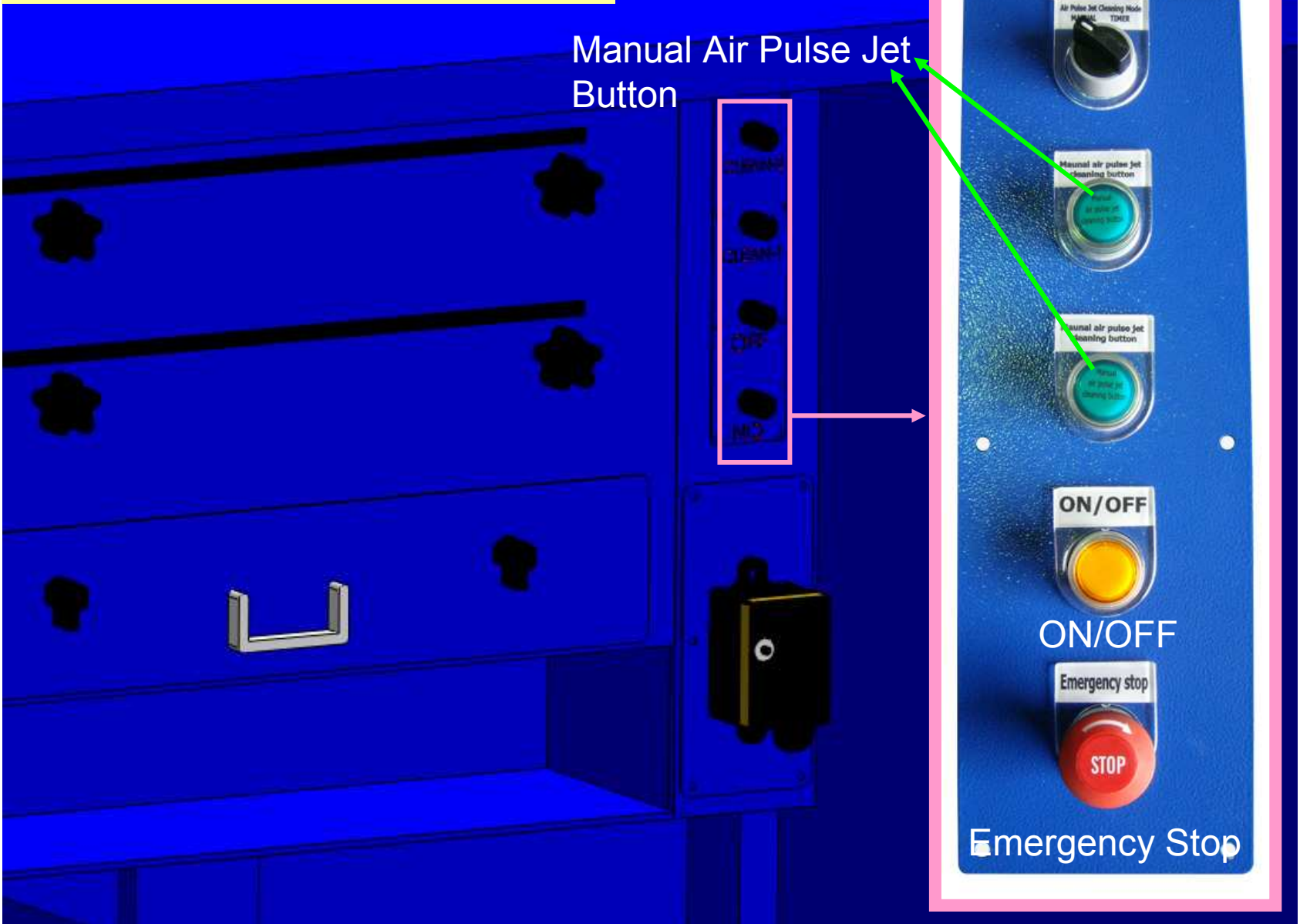
## D: control panels inside the booths







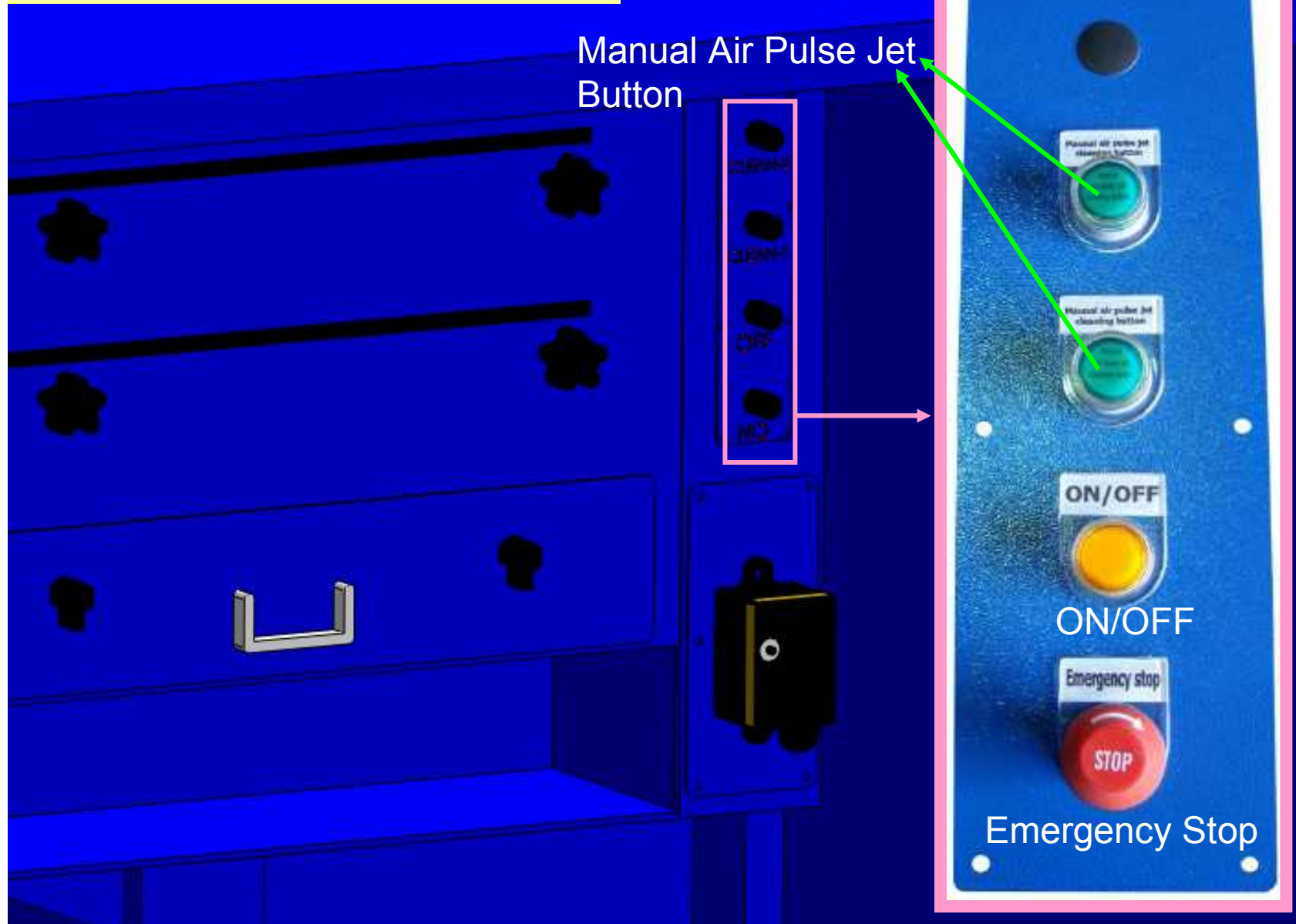
**D1: WB-P-5x5MA-R control panel  
(right booth when facing the unit)**



Manual Air Pulse Jet Button

Emergency Stop

**D1: WB-P-5x5MA-L control panel  
(left booth when facing the unit)**



Manual Air Pulse Jet  
Button

ON/OFF  
OFF  
NO

Manual air pulse jet  
cleaning button

Manual air pulse jet  
cleaning button

ON/OFF

ON/OFF

Emergency stop

STOP

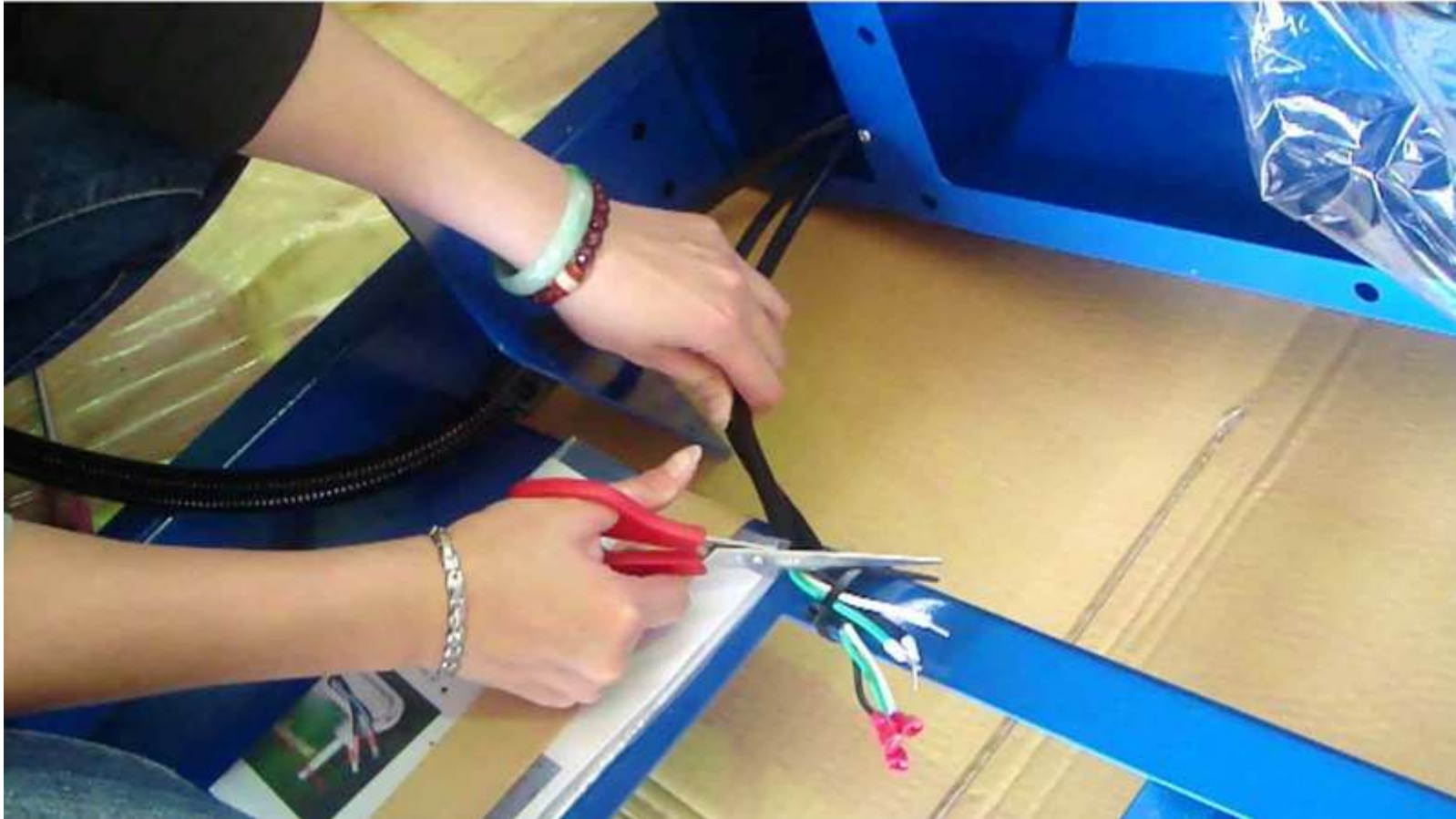
Emergency Stop

**E: electrical junction box, cable connections of overhead lights and light switch**





**E1: installations for electrical junction box for WB-P-5x5MA-R  
(right booth when facing the unit)**





















## E2: cable connections of the light switch to electrical junction box for WB-P-5x5MA-R (right booth when facing the unit)



- ◆ At first open the cover of the electrical junction box.



- ◆ Then reach the cable through the tube into the electrical junction box.
- ◆ Connect the cables with the terminal blocks for the electrical junction box.
- ◆ Link this set to local main power supply.



- ◆ Lock the cover of the electrical junction box.

### E3: cable connections of light switch to overhead lights for WB-P-5x5MA-R (right booth when facing the unit)



- ◆ At first take out the cable of light from the steel adapter box.



- ◆ Then reach the cable of the light switch through the tube into the steel adapter box



- ◆ Connections of two cables.



- ◆ Lock the cover of the steel adapter box.



## E4: installations for electrical junction box for WB-P-5x5MA-L (left booth when facing the unit)



- ◆ Take out the electrical junction box which is packed with the UL control box.



- ◆ Open the cover of the electrical junction box. Connect to local main power supply. Fasten the cover of the electrical junction box.
- ◆ Then the electrical junction box should detour the back of WB-P-5x5MA main set when facing the unit.
- ◆ Lock the electrical junction box on the iron plate next to the other electrical junction box which is already locked on the plate.



**E5: cable connections for electrical junction box to light switch and 2-plugs sockets for WB-P-5x5MA-L (left booth when facing the unit)**



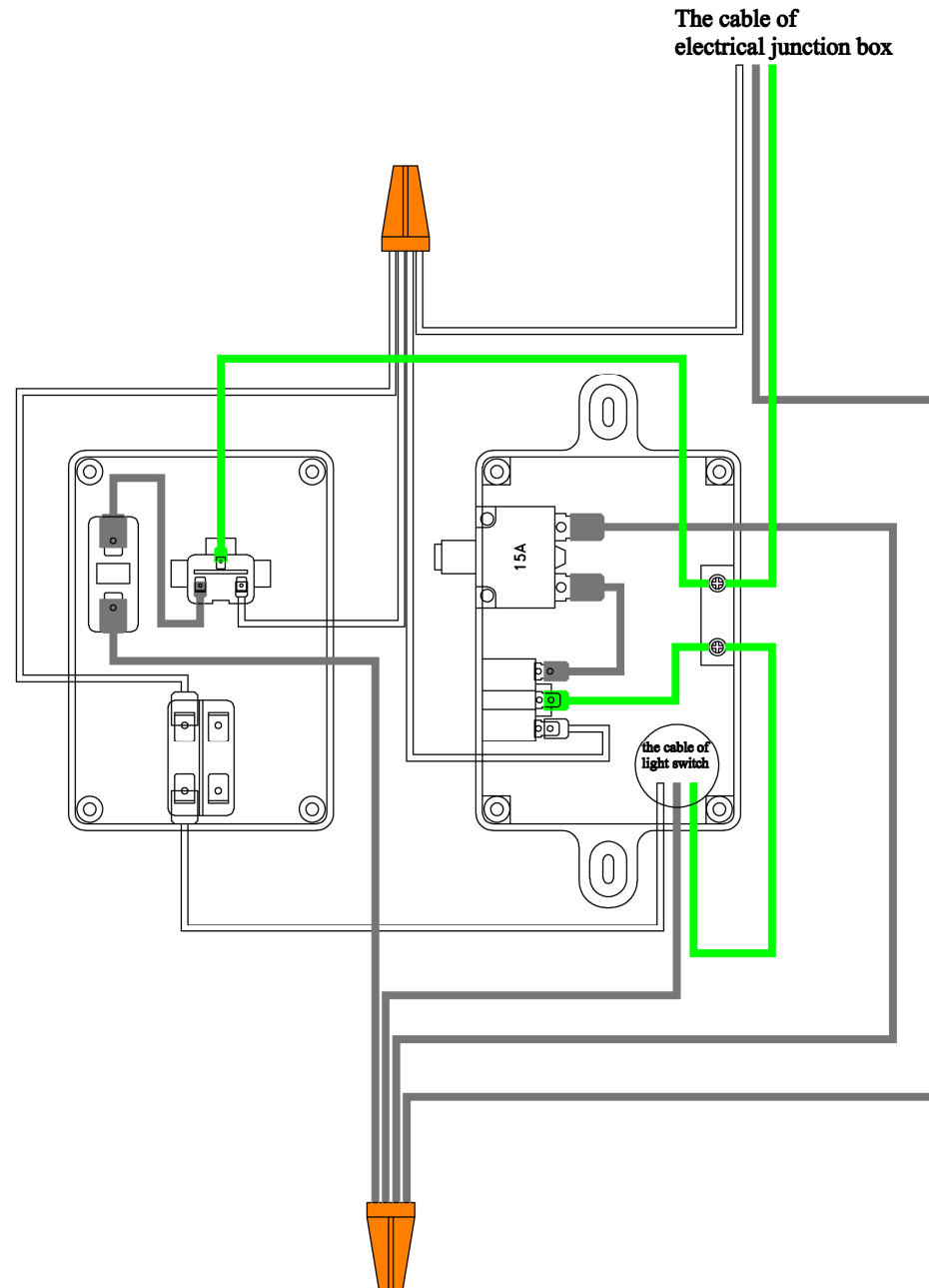
- ◆ Put out the corrugated plastic tubing from plastic connection.



- ◆ Lock the cover of the light switch and 2-plugs sockets.
- ◆ Put the corrugated plastic tubing into the plastic connection.

- ◆ Open the cover of the light switch and 2-plugs sockets: for overhead lights.
- ◆ Then reach the cable through the tube into the light switch and 2-plugs sockets through the tube.
- ◆ Connect the white cable with three white cables.
- ◆ Connect the black cable with three black cables.
- ◆ Using the screw on wire connector to lock up these four white cables and four black cables.
- ◆ Connect the grounding cable with the terminal blocks.

**E6: wirings for light switch and 2-plugs sockets for WB-P-5x5MA-L (left booth when facing the unit) and WB-P-5x5MA-R (right booth when facing the unit)**





**E7: cable connections of light switch to overhead lights for WB-P-5x5MA-L  
(left booth when facing the unit)**



- ◆ At first take out the cable of light from the steel adapter box.



- ◆ Then reach the cable of the light switch through the tube into the steel adapter box



- ◆ Connections of two cables.

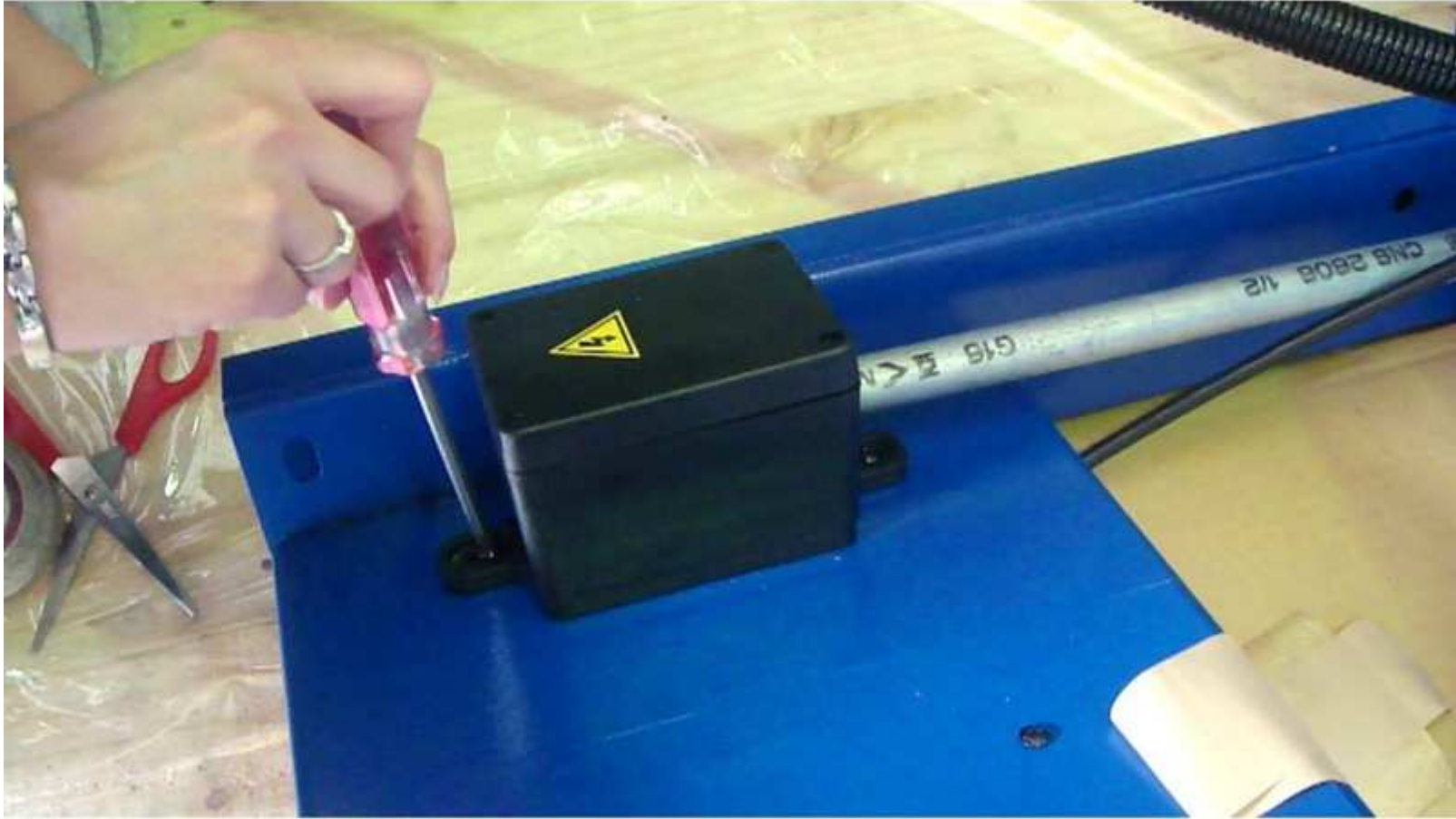


- ◆ Lock the cover of the steel adapter box.

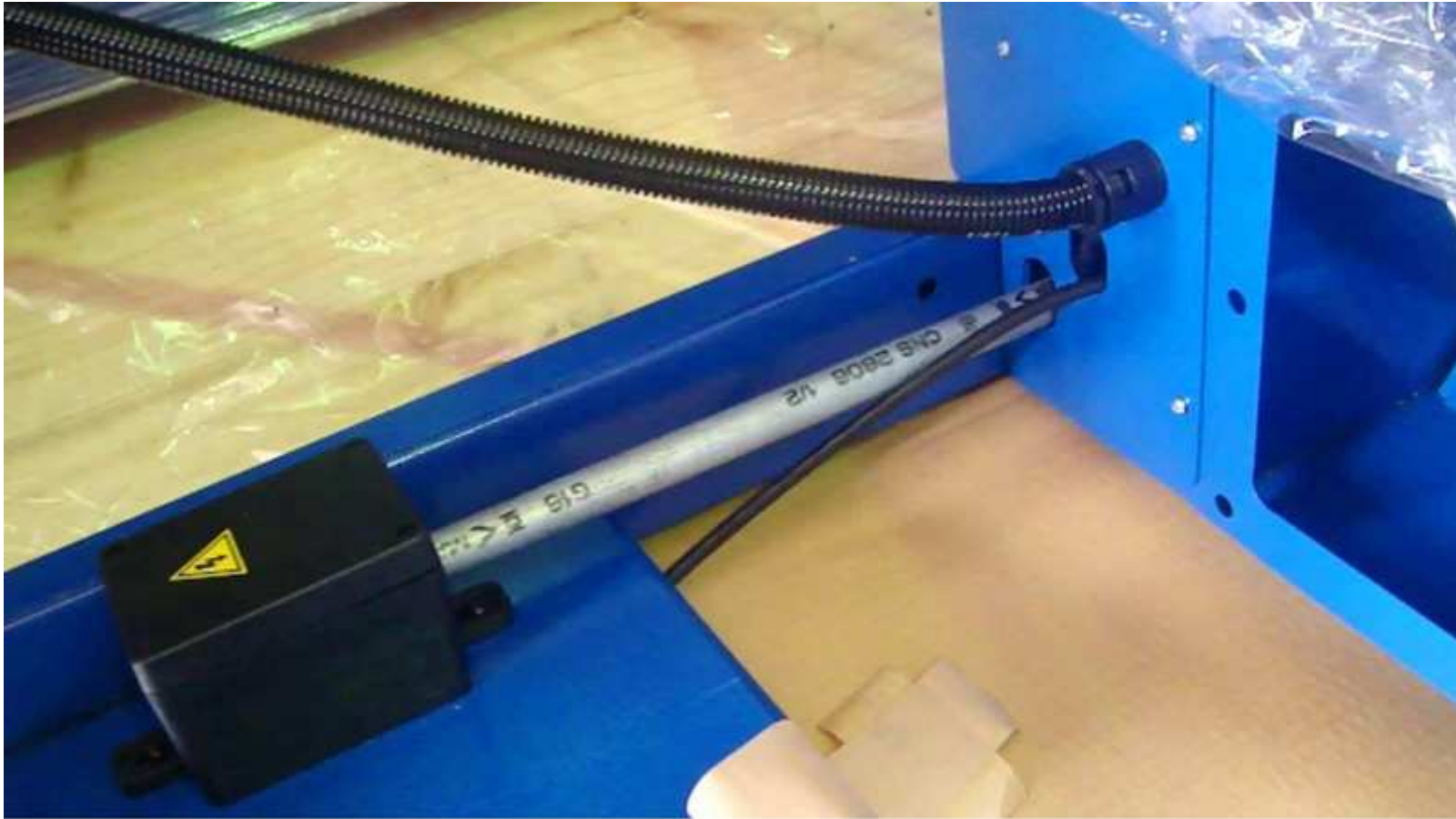




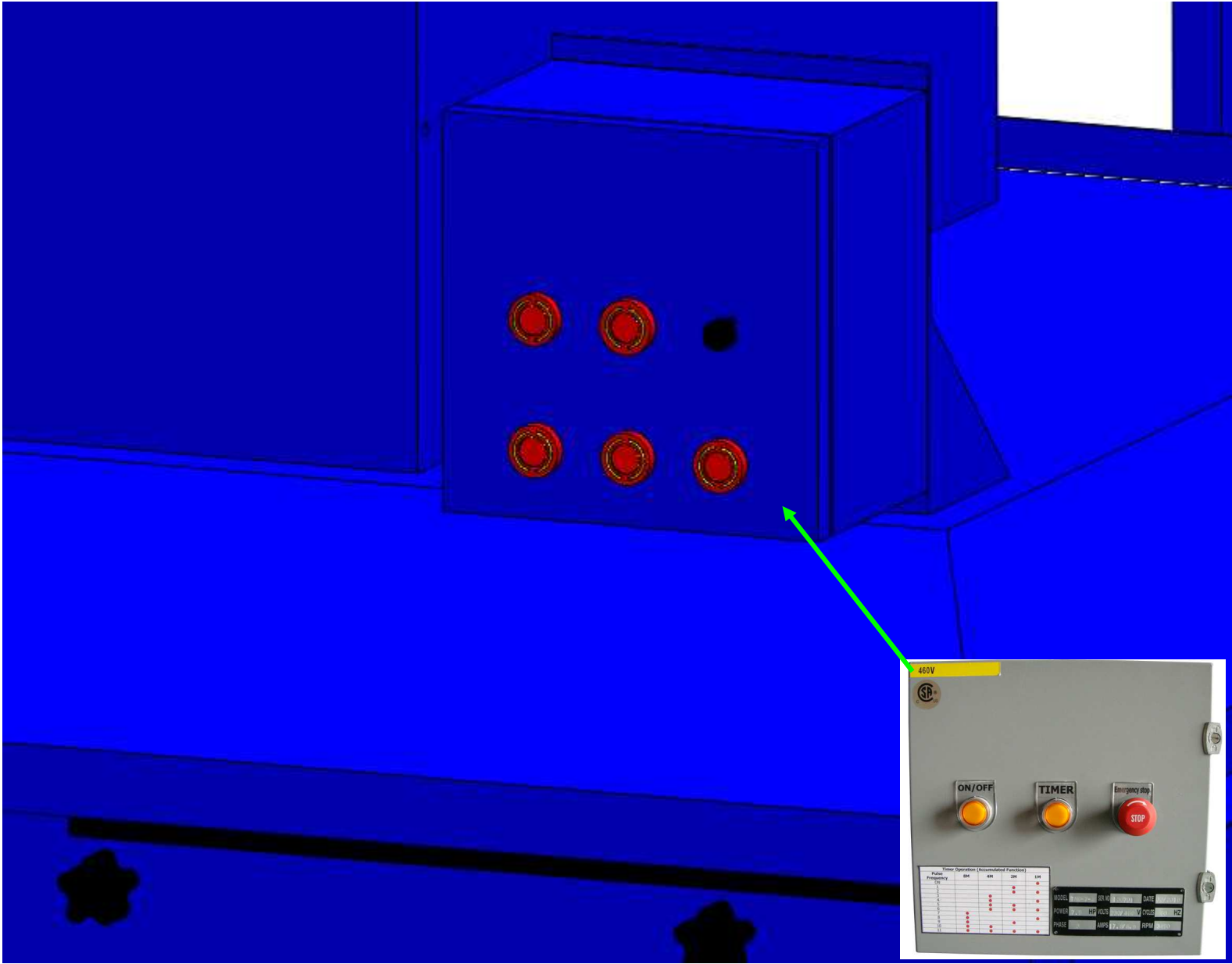






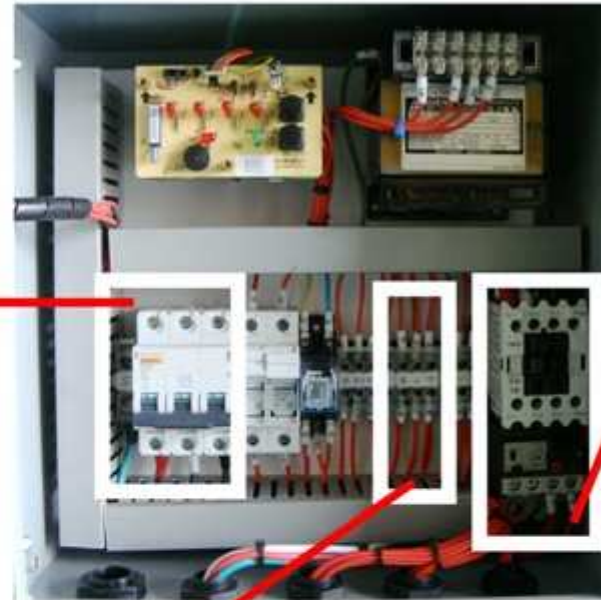


UL approved control box



## F: main power supply outsourcing for TMC-7-4

### Control Box for TMC-7-4



- Connect to main power supply for TMC-7-4.



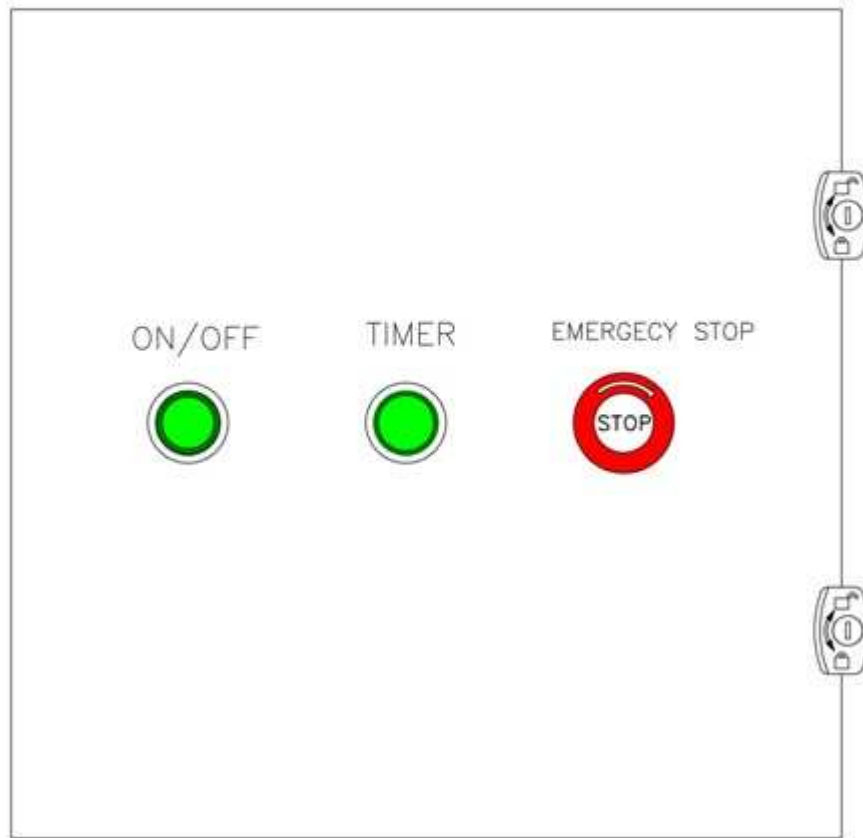
- Magnetic valve wirings for TMC-7-4.

- Connect to motor power supply for TMC-7-4.

# G: main electrical box wiring for TMC-7-4

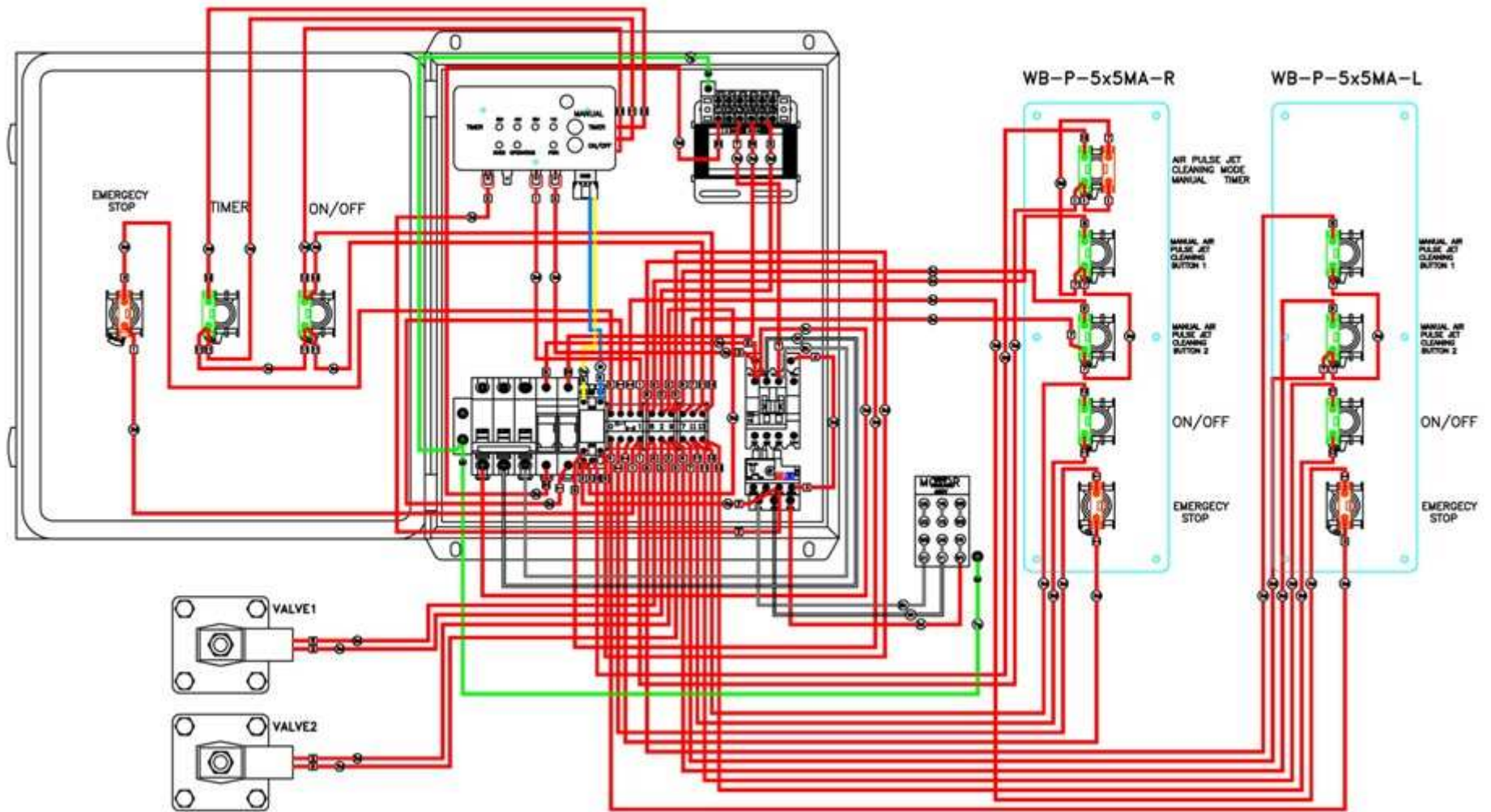
(control box: 7.5HP / 230/460V / 60Hz / 3Ph, **connected to 460V**)

## Main Electrical Box Wiring For TMC-7-4

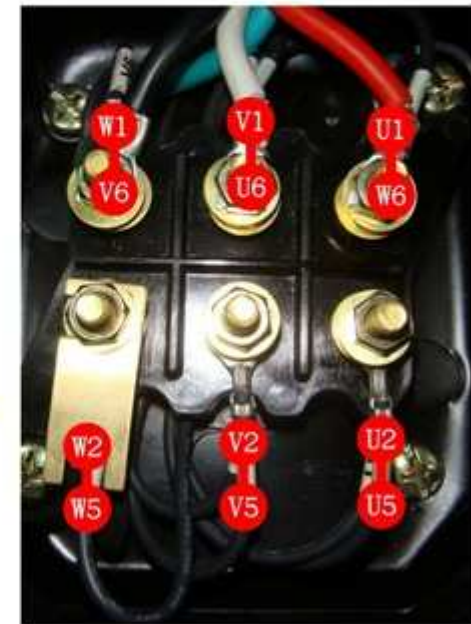
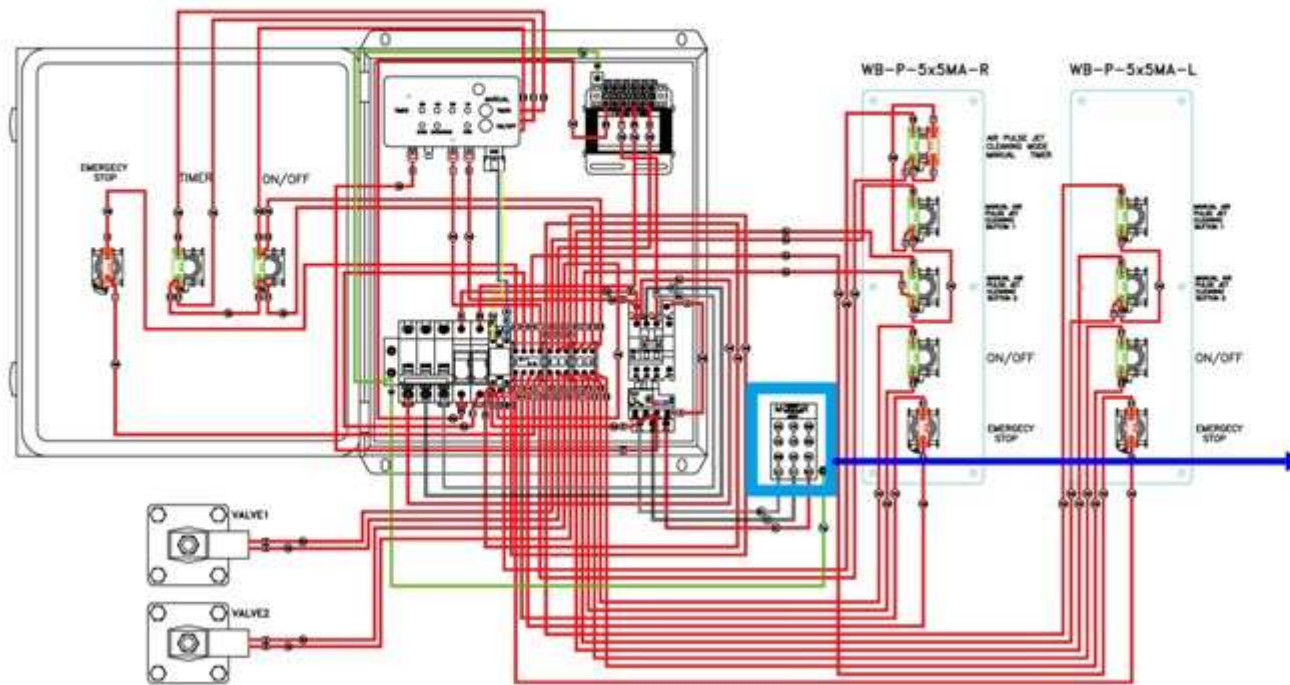




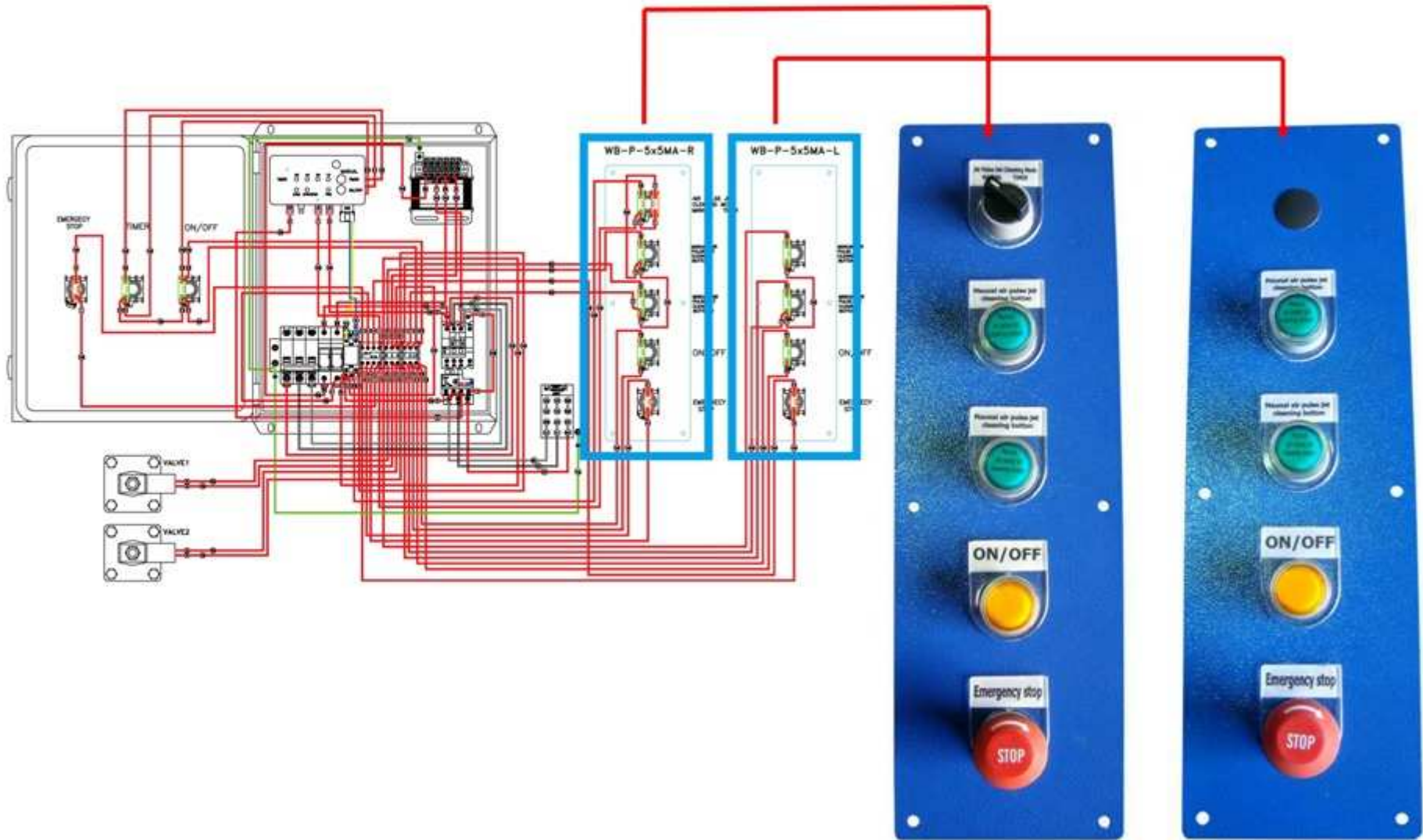
# Main Electrical Box Wiring For TMC-7-4



## Main Electrical Box Components for TMC-7-4

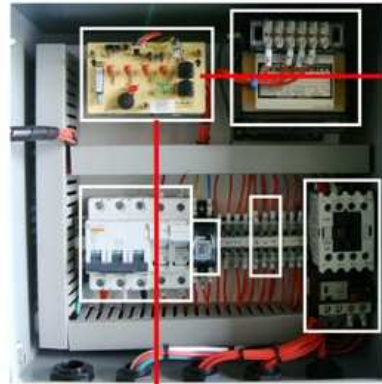


## Main Electrical Box Components for TMC-7-4





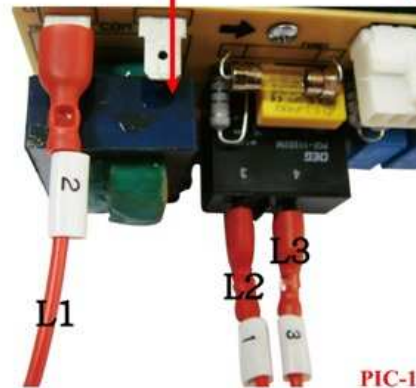
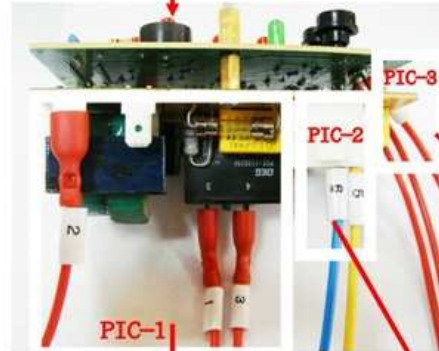
### Main Electrical Box Components for TMC-7-4



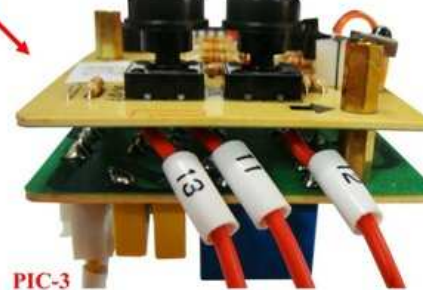
◆ IC Board (Front)



◆ IC Board (Back)

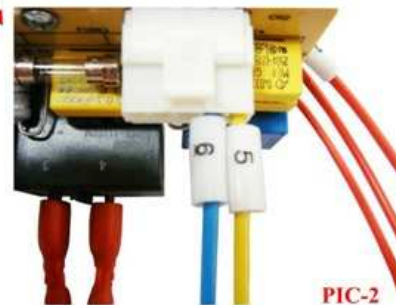


- ◆ L1/L2 : The main power.
- ◆ L3 : The blower.



PIC-3

- ◆ 12 : TIMER.
- ◆ 13 : ON/OFF



PIC-2

- ◆ Air pulse jet system.

## Main Electrical Box Components for TMC-7-4



◆ Contactor and thermal relay. (7.5HP-460V)



◆ Input relay, fuse bus, phase controller.



## Main Electrical Box Components for TMC-7-4



### ◆ Transformer for 460V.



### ◆ Air pulse jet system.



### ◆ Coin



# Hardware bags detailed list:

Hardware Bag 1	Hardware for Middle Panel/Partition Set to Main Set			
	#	Part Name	Specification	Q'ty
	1	Half-threaded Screw	3/8"*5-1/2"	9
	2	Flat Washer	3/8"*OD23*2t	18
	3	Lock Nut	3/8"	9
Hardware Bag 2	Hardware for Fastening Left/Right Side Panel to Main Set			
	#	Part Name	Specification	Q'ty
	1	Half-threaded Screw	3/8"*4-1/2"	18
	2	Flat Washer	3/8"*OD23*2t	36
	3	Lock Nut	3/8"	18
Hardware Bag 3	Hardware for Curtain Rod			
	#	Part Name	Specification	Q'ty
	1	Hex Screw	1/4" x 1/2"	16
	2	Flat Washer	1/4" x OD19 x 2t	16
Hardware Bag 4	Hardware for J Hooks			
	#	Part Name	Specification	Q'ty
	1	Hex Screw	5/16"*3/4"	16
	2	Flat Washer	5/16"*OD18*2t	16
Hardware Bag 4	Hardware for Hypotenuse Corner Gussets			
	#	Part Name	Specification	Q'ty
	1	Hex Screw	5/16"*3/4"	16
	2	Flat Washer	3/8"*OD23*2t	16
Hardware Bag 4	Hardware for Fixing Bases for Left/Right Side Panels			
	#	Part Name	Specification	Q'ty
	1	Hex Screw	5/16"*2"	4
	2	Flat Washer	5/16"*OD18*2t	8
	3	Hex Nut	5/16"	4
	4	Hex Screw	5/16"*3/4"	2
	5	Flat Washer	5/16"*OD18*2t	2
	6	Hex Screw	3/8"*3/4"	2
	7	Flat Washer	3/8"*OD23*2t	2
Hardware Bag 5	Hardware for attaching TMC-7-4 to WB-5x5P (2S) Back Panels			
	#	Part Name	Specification	Q'ty
	1	Hex Screw	5/16"*3/4"	28
	2	Flat Washer	5/16"*OD18*2t	56
	3	Hex Nut	5/16"	28
Hardware Bag 5	Hardware for attaching TMC-7-4 to WB-5x5P (2S) Side Panels			
	#	Part Name	Specification	Q'ty
	1	Hex Screw	5/16"*3/4"	10
	2	Flat Washer	5/16"*OD18*2t	10
	3	Hex Screw	5/16"*3/4"	6
	4	Flat Washer	3/8"*OD18*2t	6
Hardware Bag 6	Assembly Hardware (Spare)			