
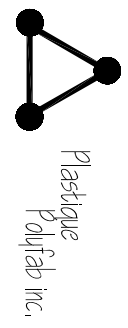
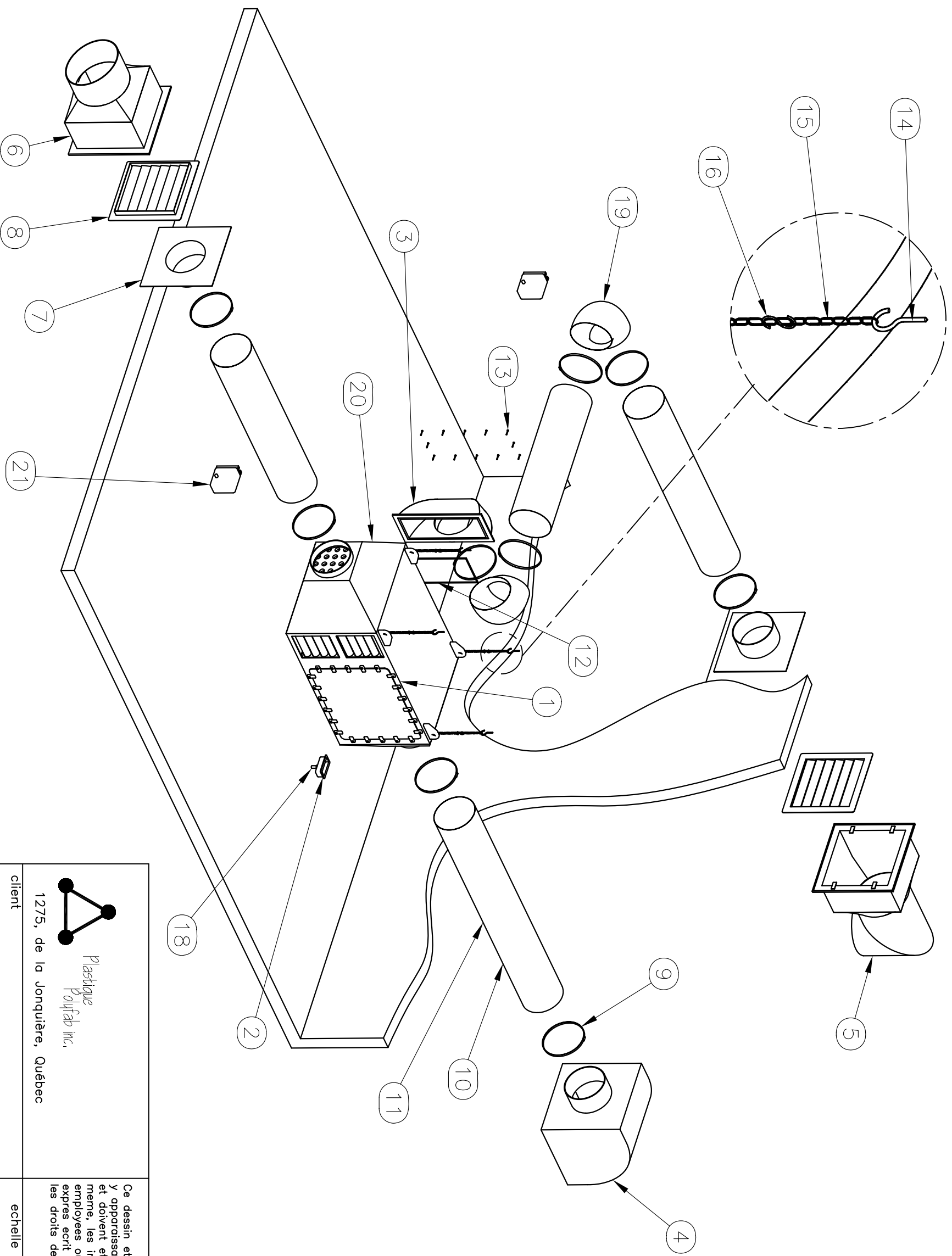


## TERMS INDEX

| ART. | QTY. | DESIGNATION                 | PRODUCT CODE    |
|------|------|-----------------------------|-----------------|
| 1    | 1    | AIR EXCHANGER 1500          | PCECHAIR1500    |
| 2    | 1    | DRAINING CONTAINER          | PCECHAIRPAN-1   |
| 3    | 1    | PLENUM WARM SIDE            | PCECHAIRPLE-1   |
| 4    | 1    | GOOSE NECK                  | PCECHAIRADA-2   |
| 5    | 1    | FAN MONO. 18"               | FAN3-999-1220   |
| 6    | 1    | FAN. 18"                    | FAN3-999-1221   |
| 7    | 2    | SQUARE ROUND ADAPTER        | PCECHAIRADA-1   |
| 8    | 2    | DAMPER FRAME 24"            | FAN5-020-1324   |
| 9    | 9    | COLLAR                      |                 |
| 10   | 20ft | FLEXIBLE DUCT               | METMEI-1225     |
| 11   | 20ft | POLYETHYLENE TUBING 14"DIA. | YTBGPOLYTHENE14 |
| 12   | 8ft  | FOAM RUBBER TAPE            | QTAPCMA.12X.5   |
| 13   | 20   | AUTO-DRILLING SCREW         |                 |
| 14   | 4    | HOOK BOLT                   |                 |
| 15   | 32ft | CHAIN                       |                 |
| 16   | 4    | "S" HOOK                    |                 |
| 17   | 1    | ALUMINIZED TAPE             |                 |
| 18   | 1    | MALE ADAPTER 3/4            | 836007          |
| 19   | 2    | ELBOW 90 X 12"DIA.          | METCOU90X12     |
| 20   | 2    | PLENUM COLD SIDE            | PCECHAIRPLE-2   |
| 21   | 2    | ADJUSTABLE SPEED CONTROL    | FAN070-10302    |
| 22   | 0    | DOUBLE ROUND ADAPTER        | PCECHAIRADA-4   |

|  |                   |                   |          |
|--|-------------------|-------------------|----------|
| <br><b>Plastique<br/>Polyfab inc.</b><br>1275, de la Jonquière, Québec |                   |                   |          |
| client   | echelle           | dessiné par       | JP       |
| CLIENT   | NONE              | approuvé par      | CLIENT   |
| titre<br>PCECHAIR1500P   |                   |                   |          |
| date   | numero de contrat | numero de dessin  | revision |
| 27-12-05   | # CONTRAT         | PCECHAIR1500P-1/3 | 0        |



Polyfab Inc.  
Plastique

1275, de la Jonquière, Québec

client

CLIENT

echelle

NONE

dessine par JP

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titre

PCECHAIR1500M

date

27-12-05

numero de contrat

# CONTRAT

numero de dessin

PCECHAIR1500M-2/3

revision

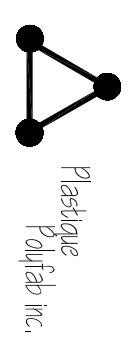
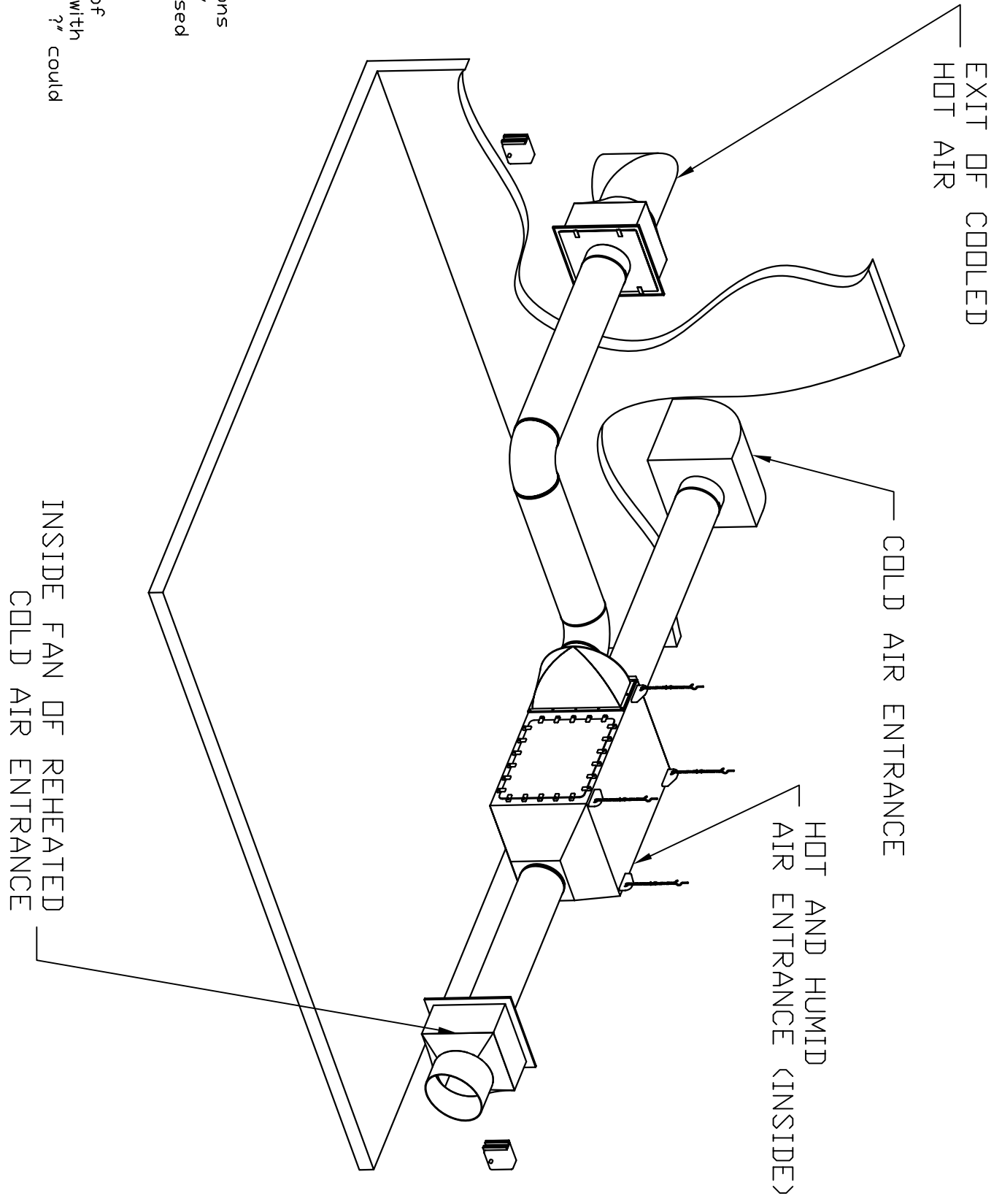
0

1. Fix the plenum warm side to the exchanger  
The transition (plenum) is required to join the flexible duct of 12 inches to the exchanger. It has to be fixed to the exchanger with an auto-drilling screw. First it has to be sealed with a foam rubber tape applied to the edge of transition. The transition could be moved into any of the two lateral openings of the exchanger and in any direction.
2. Exchanger installation  
The exchanger has to be installed near the outside walls. The location has to be clear of major obstacles to not restrain the air-flow. If possible, the location has to divide into equal parts the area to ventilate.
3. Drill the entrance and exit air flow  
The openings need to be located to limit the length of the isolated flexible ducts. A minimum distance of 10 feet is required between the two openings.
4. Install the fan to the exit of the cooled hot air
5. Fix the double round adapter to the ceiling
6. Connect the fan to the adjustable speed control.  
Electric joint has to be done by an electrician.
7. Install the fan to the entrance of reheated cold air
8. Connect the fan to the adjustable speed control.  
Electric joint has to be done by an electrician.
9. Install the flexible ducts  
As much as possible, the flexible ducts need to be attached to limit the charge losses of circuits. Avoid bending the ducts. Galvanized steel elbows of 12" must be used. Ducts must be attached to the elbows and adapters with collars. Also, these ducts must be covered with clear polyethylene tubing. During the installation, avoid squeezing the mineral wool used for isolation. It is important to not leave the mineral wool to the ambient air. Those situations happen in the connections made at the ends of ducts. Be careful to avoid any condensation inside the mineral wool. The clear polyethylene tubing has to be used as an extra covering (moisture barrier) for the isolated flexible ducts.
10. Connect the piping to evacuate the condensation  
Install the draining container under the exchanger. To obtain a fast draining of the water produced by the condensation, the equipment needs to be installed with a slight rake to the draining container. A standard polyethylene black tube of 2" could be used as a drain pipe.

Note about the maintenance of equipment

The core of exchanger needs to be inspected periodically for checking if dust is accumulated. The cleaning of the core could be done with water jet (left side and right side of equipment). Fan blades need to be cleaned regularly too.

The heat exchanger should be connected to a control system, which maintains the climatic parameters of the building. If used with a moisture sensor, the exchanger will maintains a constant environment of production and will helps to save energy.



1275, de la Jonquière, Québec

|        |                        |                     |
|--------|------------------------|---------------------|
| client | Plastique PolyFab inc. |                     |
| CLIENT | echelle                | dessine par JP      |
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| titre    | PCECHAIR1500M     |                   |          |
| date     | numero de contrat | numero de dessin  | revision |
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