



# Cannabis Drying & Curing Rooms

## DRY-1529



Convion's **Cannabis One™** drying rooms are sized to suit a range of spaces and are compatible with any drying cart or rack used with dry/wet trimming processes and curing. Multiple rooms can be installed to match the cultivator's harvest and production schedule.

**CONVIRON®**

**ARGUS®**  
CONTROLS

# Convion Model DRY-1529

## External Dimensions:

14'2" W x 28'10" D x 11'2" H  
(4318 mm W x 8788 mm D x 3404 mm H)



**Temperature Range:**  
15°C – 25°C



**Humidity Range:**  
40%RH – 80%RH



**Dehumidification Rate:**  
30 lbs/hr @ 75%RH & 18°C  
27 lbs/hr @ 70%RH & 18°C  
24 lbs/hr @ 65%RH & 18°C

## Internal Dimensions

12'6" W x 28'2" D x 8'5" H  
(3810 mm W x 8585 mm D x 2565 mm H)



**Fresh Air Inlet/Exhaust:**  
100 CFM, positive pressure within room



**Cooling Requirement:**  
67,000 BTU/H - 12.0 GPM (LPM: 45.4) @ 0°C/32°F Chilled Water



**Heating Requirement:**  
3 GPM @ 60°C/140°F



**Electrical:**  
120/208/3Ø/60Hz - 4 Wire + Ground, MOP: 40 Amp  
230/400/3Ø/50Hz - 4 Wire, plus ground, MOP: 40 Amp

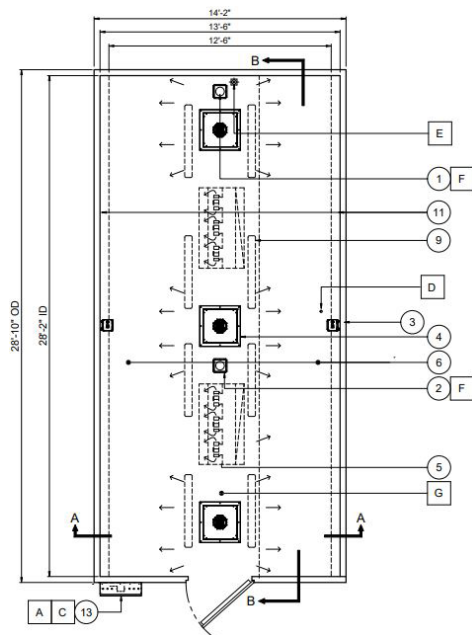
## Optional add-ons:

Hepa filtration for fresh air inlet  
Electric reheat instead of hot water

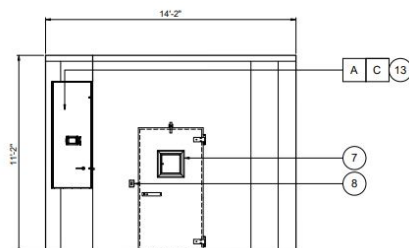
Convion provided OACU instead of chilled water  
Pathogen mitigation through interior atomizers

UV-C light for pathogen mitigation  
Additive humidity

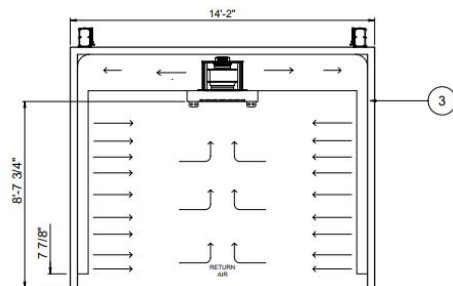
## INTERIOR PLAN VIEW



## FRONT ELEVATION



## SECTION B-B



## Equipment Component Description:

- ① Ø8" EXHAUST AIR CONNECTION WITH DAMPER AND AIRFLOW REGULATOR (0.3-0.5 IN. WC DIFFERENTIAL AIR PRESSURE)
- ② Ø8" FRESH AIR INLET WITH DAMPER
- ③ ULTRASONIC HUMIDIFIER (USH) (X2)
- ④ AIR HANDLER UNIT (AHU) - 9000 CFM (3X)
- ⑤ AIR PROCESSING UNIT (APU) WITH COOLING, DEHUMIDIFICATION AND REHEAT (2X)
- ⑥ DROP CEILING WITH REMOVABLE PANELS FOR CLEANING
- ⑦ OBSERVATION WINDOW WITH LIGHT TIGHT COVER
- ⑧ SERVICE LIGHT SWITCH
- ⑨ 50W LED SERVICE LIGHT (8X)
- ⑩ 16" X 25" FILTERS (12X)
- ⑪ AIR PLENUMS (FULL LENGTH OF EACH SIDE WALL) WITH REMOVABLE PANELS FOR CLEANING
- ⑬ OUTDOOR AIR COOLED CONDENSING UNIT (OACU)
- ⑭ CONTROL PANEL WITH CMP CONTROLLER

## Req'd Building Service/Utility Connections:

- |   |  |
|---|--|
| <b>A</b> CONTROL PANEL ELECTRICAL CONNECTION (SEE TITLE BLOCK NOTE 7)                               | <b>E</b> FLOOR DRAINS BY OTHERS                            |
| <b>B</b> OUTDOOR AIR COOLED CONDENSING UNIT ELECTRICAL CONNECTION (SEE TITLE BLOCK NOTE 7)          | <b>F</b> Ø8" DUCT CONNECTION FOR FRESH AIR AND EXHAUST AIR |
| <b>C</b> CMP CONTROLLER ELECTRICAL CONNECTION   | <b>G</b> THRU-ROOF REFRIGERATION CONNECTION                |
| <b>D</b> PURIFIED WATER CONNECTION FOR HUMIDIFIERS (COMPRESSION FITTING FOR 1/2" OD PLASTIC TUBING) |  |