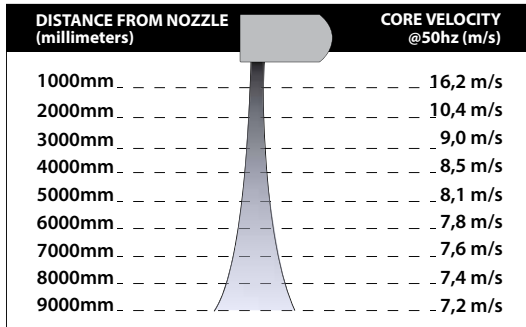




Velocity testing shown above was obtained in accordance with ISO27327-1 in an accredited A2LA laboratory but is not AMCA certified.

5 Year  
Limited  
Warranty



| MODEL       | Nozzle Width (mm) | Max Vel. at Nozzle (m/s) | Avg. Outlet Vel. (m/s) | Air Volume (m³/hr) | Outlet Vel. Uniformity | Power Rating (kW) | Total AC Motor & Heater (kW) | Total Motor & Heater (A) per Circuit | Min / Max Air Temp. Rise (°C) | Net Wt. (kg) |
|-------------|-------------------|--------------------------|------------------------|--------------------|------------------------|-------------------|------------------------------|--------------------------------------|-------------------------------|--------------|
| IDC14-1036E | 914               | 32,0                     | 11,6                   | 3392               | 87%                    | 0,9               | 15                           | 30,8                                 | 12° / 18°                     | 49           |
| IDC14-1042E | 1067              | 29,8                     | 10,3                   | 3520               | 81%                    | 0,9               | 15                           | 30,8                                 | 12° / 17°                     | 52           |
| IDC14-1048E | 1219              | 30,4                     | 9,2                    | 3589               | 84%                    | 1,0               | 16                           | 30,8                                 | 12° / 17°                     | 54           |
| IDC14-2060E | 1676              | 31,8                     | 12,1                   | 6476               | 97%                    | 1,7               | 30                           | 40,3 / 21,3                          | 13° / 18°                     | 85           |
| IDC14-2072E | 1829              | 32,0                     | 11,6                   | 6784               | 87%                    | 1,9               | 30                           | 40,3 / 21,3                          | 12° / 18°                     | 89           |
| IDC14-2078E | 1981              | 29,8                     | 10,9                   | 6912               | 81%                    | 1,9               | 30                           | 40,3 / 21,3                          | 12° / 17°                     | 92           |
| IDC14-2084E | 2134              | 29,8                     | 10,3                   | 7039               | 81%                    | 1,9               | 30                           | 40,3 / 21,3                          | 12° / 17°                     | 94           |
| IDC14-2096E | 2515              | 30,4                     | 8,9                    | 7178               | 84%                    | 2,1               | 31                           | 40,3 / 21,3                          | 12° / 17°                     | 98           |
| IDC14-3096E | 2515              | 32,0                     | 12,3                   | 9868               | 87%                    | 2,7               | 45                           | 49,8 / 42,5                          | 13° / 18°                     | 121          |
| IDC14-3108E | 2743              | 32,0                     | 11,6                   | 10177              | 87%                    | 2,8               | 45                           | 49,8 / 42,5                          | 12° / 18°                     | 141          |
| IDC14-3120E | 2972              | 29,8                     | 11,0                   | 10432              | 81%                    | 2,8               | 45                           | 49,8 / 42,5                          | 12° / 17°                     | 144          |
| IDC14-3132E | 3353              | 29,8                     | 9,9                    | 10628              | 81%                    | 2,9               | 45                           | 49,8 / 42,5                          | 12° / 17°                     | 153          |
| IDC14-3144E | 3658              | 30,4                     | 9,2                    | 10767              | 84%                    | 3,1               | 46                           | 49,8 / 42,5                          | 12° / 17°                     | 160          |
| IDC14-4144E | 3658              | 32,0                     | 11,6                   | 13569              | 87%                    | 3,7               | 60                           | 40,3 / 40,3 / 42,5                   | 12° / 18°                     | 182          |
| IDC14-4156E | 3962              | 29,8                     | 10,9                   | 13824              | 81%                    | 3,7               | 60                           | 40,3 / 40,3 / 42,5                   | 12° / 17°                     | 190          |
| IDC14-4168E | 4267              | 29,8                     | 10,3                   | 14079              | 81%                    | 3,7               | 60                           | 40,3 / 40,3 / 42,5                   | 12° / 17°                     | 195          |
| IDC14-4180E | 4572              | 29,8                     | 9,7                    | 14217              | 81%                    | 3,9               | 60                           | 40,3 / 40,3 / 42,5                   | 12° / 17°                     | 201          |
| IDC14-5180E | 4572              | 32,0                     | 11,6                   | 16961              | 87%                    | 4,7               | 75                           | 40,3 / 40,3 / 30,8 / 42,5            | 12° / 18°                     | 224          |
| IDC14-4192E | 4877              | 30,4                     | 9,2                    | 14356              | 84%                    | 4,2               | 61                           | 40,3 / 40,3 / 42,5                   | 12° / 17°                     | 206          |
| IDC14-5192E | 4877              | 30,4                     | 10,9                   | 17046              | 84%                    | 4,7               | 75                           | 40,3 / 40,3 / 30,8 / 42,5            | 12° / 18°                     | 229          |

NOTE: Min/Max Temp Rise: Min Temp Rise at high speed and Max Temp Rise at low speed.

## MODEL NUMBER CONFIGURATION

### IDC14-1 036 E PE-140-F-SS

| Series | # of Motors   | Opening Width                | Heat                 | Voltage                         | Standard kW                | Intake           | Opt. Cabinet Finish                   |
|--------|---------------|------------------------------|----------------------|---------------------------------|----------------------------|------------------|---------------------------------------|
| IDC14  | 1, 2, 3, 4, 5 | 036" - 192"<br>(914- 4877mm) | E=Electric<br>Heated | AC motors only<br>PE = 400/3/50 | 14.0 - 70.0<br>(140 - 700) | T=Top<br>F=Front | SS=Stainless Steel<br>CC=Custom Color |

for Standard offering, leave options (Opt.) blank

### STANDARD CONSTRUCTION

- 0,74 kW AC two speed motor(s) - direct drive
- Intelliswitch™ digital controller, includes Berner AIR® BASIC (smart control)
- Gray powder coated exterior with mill aluminum screen and access panels
- Wall & Top Mounting
- Front air intake (Optional: top)
- High efficiency Pro-V Nozzle
- Patented venturi open helical element with point suspension
  - Thermal overload protection
  - Aluminized steel frame

### OPTIONS

- Custom Color or Stainless
- Berner AIR® BMS (smart control with BACnet and Modbus capabilities)

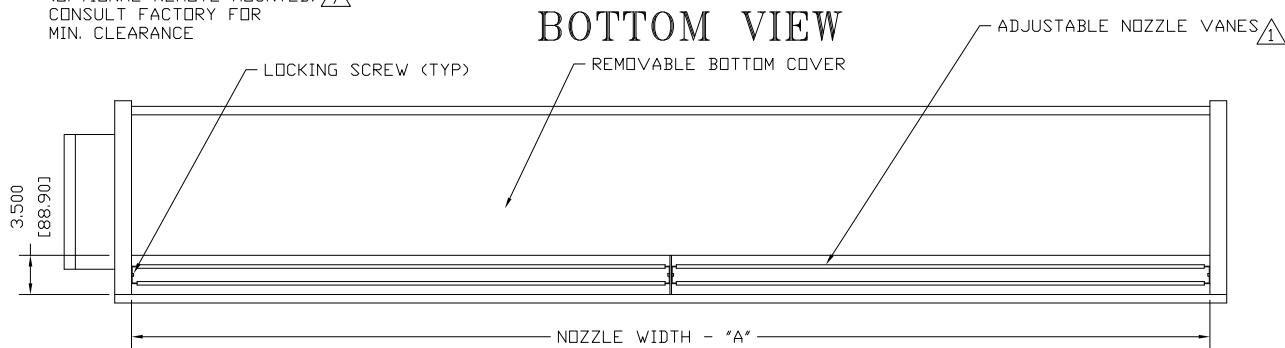
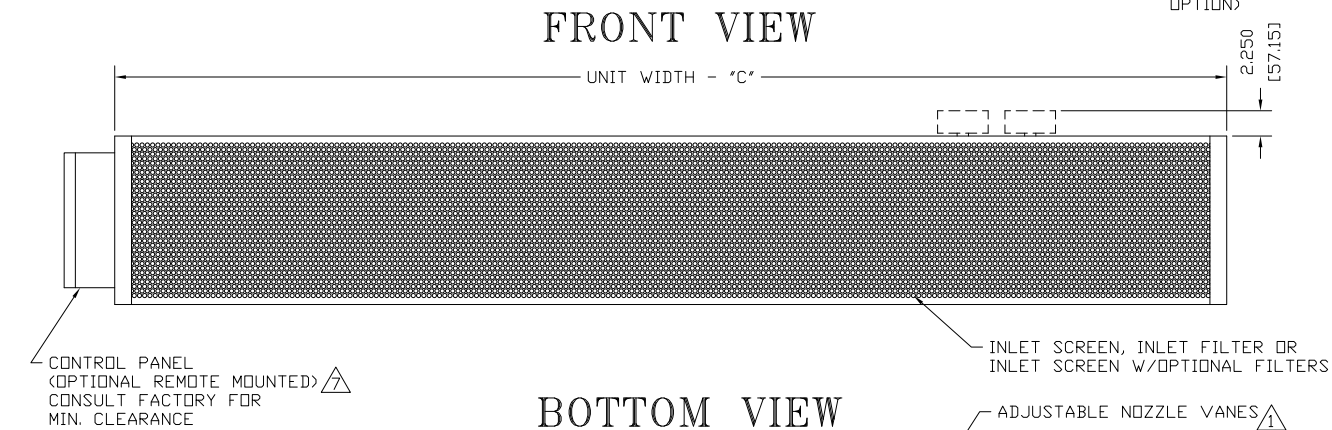
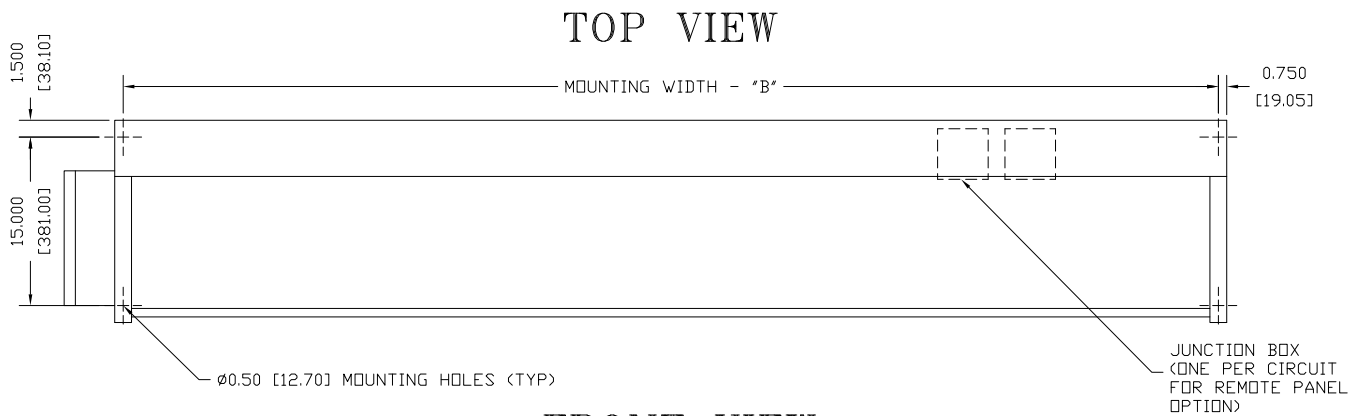
### VELOCITY PROJECTION: Model IDC14-1036E

| Distance from Nozzle (mm) | 1000 | 2000 | 3000 |
|---------------------------|------|------|------|
| Core Velocity (m/s)       | 16,2 | 10,4 | 9,0  |
| Uniformity (%)            | 95%  | 85%  | 96%  |

Sound level measured 10' (3m) from the unit in free field:

1, 2, 3, 4 & 5 motor(s): 66 dBA, 69 dBA, 71 dBA, 72 dBA & 73 dBA

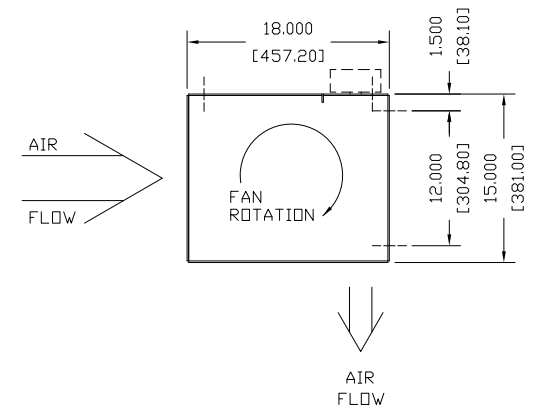
Berner reserves the right to alter specifications without prior notice.



| MODEL △           | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|-------------------|---------------------|-----------------------|-------------------|
| IDC14-1036E       | 36.00 [914]         | 37.50 [953]           | 39.00 [991]       |
| IDC14-1042E       | 42.00 [1067]        | 43.50 [1104]          | 45.00 [1143]      |
| IDC14-1048E       | 48.00 [1219]        | 49.50 [1257]          | 51.00 [1295]      |
| IDC14-2060E       | 66.00 [1676]        | 67.50 [1715]          | 69.00 [1753]      |
| IDC14-2072E       | 72.00 [1829]        | 73.50 [1867]          | 75.00 [1905]      |
| IDC14-2078E       | 78.00 [1921]        | 79.50 [2019]          | 81.00 [2057]      |
| IDC14-2084E       | 84.00 [2134]        | 85.50 [2172]          | 87.00 [2210]      |
| IDC14-2096E/3096E | 99.00 [2515]        | 100.50 [2553]         | 102.00 [2591]     |
| IDC14-3108E       | 108.00 [2743]       | 109.50 [2781]         | 111.00 [2819]     |
| IDC14-3120E       | 117.00 [2972]       | 118.50 [3010]         | 120.00 [3048]     |
| IDC14-3132E       | 132.00 [3353]       | 133.50 [3391]         | 135.00 [3429]     |
| IDC14-3144E/4144E | 144.00 [3658]       | 145.50 [3696]         | 147.00 [3734]     |

# IDC14 ELECTRIC HEATED

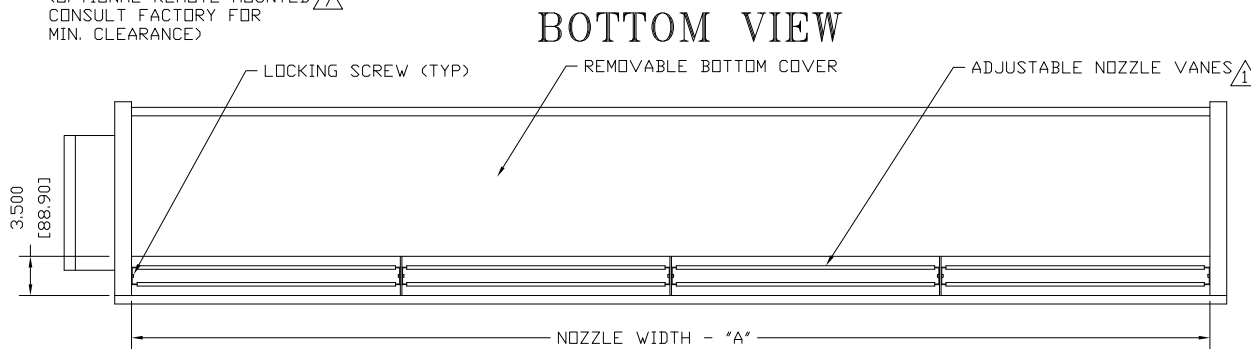
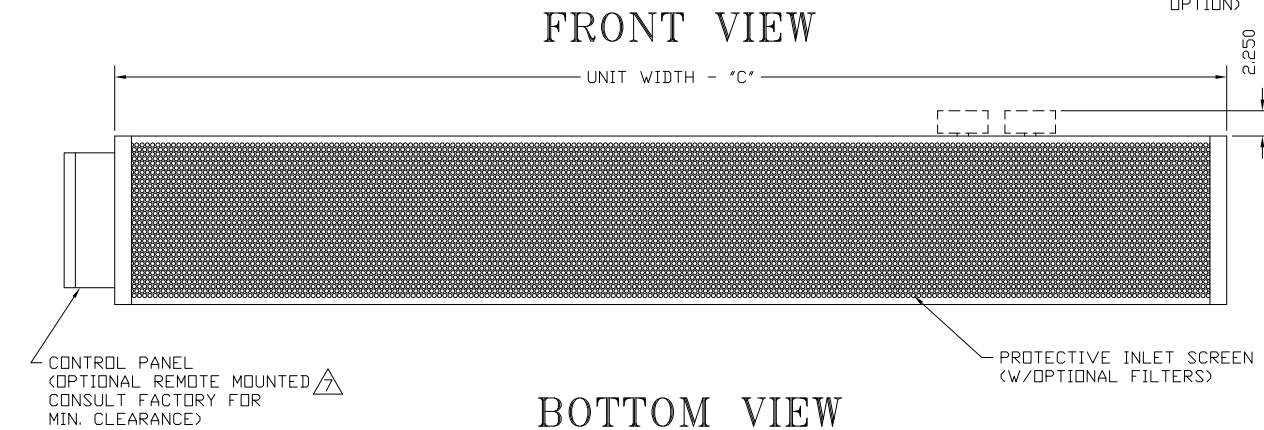
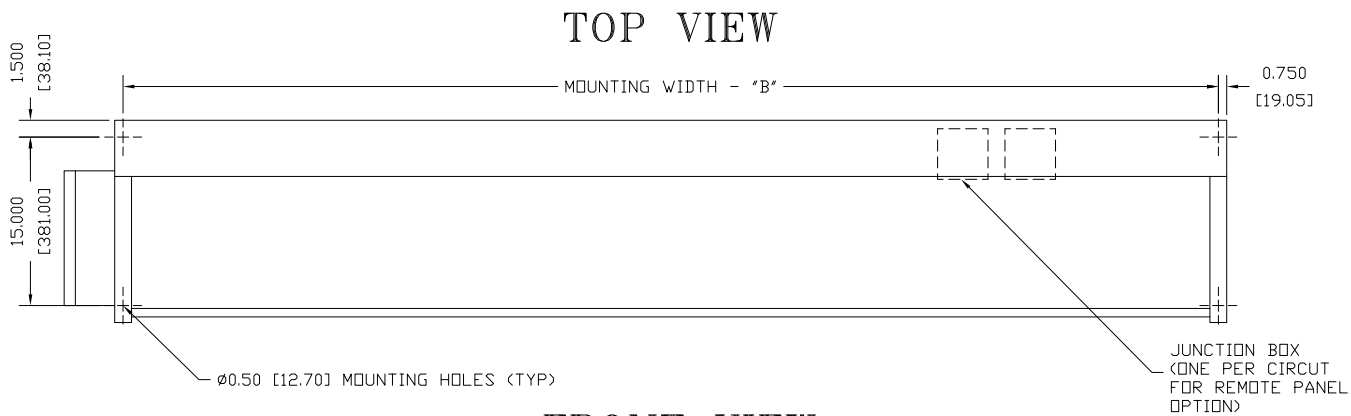
## END VIEW



## NOTES:

- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- 3 FIELD VERIFY DIMENSIONS.
- 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- 6 LETTER "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- 7 STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- 8 DIMENSIONS IN INCHES [MILLIMETERS].

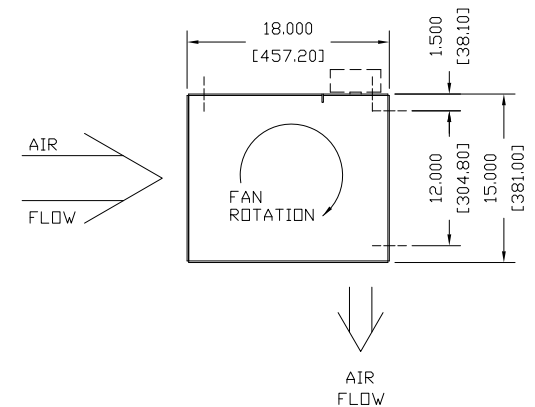
|           |            |        |                                               |
|-----------|------------|--------|-----------------------------------------------|
| PROJECT   |            |        |                                               |
| LOCATION  |            |        |                                               |
| ARCHITECT |            |        |                                               |
| ENGINEER  |            |        |                                               |
| DWG. NO.  | IDC14-ELE1 | TITLE: | <b>BERNER</b>                                 |
| DATE      | 23JUN2025  |        | MODEL IDC14 AIR CURTAIN                       |
| BY        | S. Beil    |        | ELECTRIC HEATED SYSTEM                        |
| REPLACES  | 11DEC2024  |        |                                               |
| BY        | S. Beil    |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA. |



| MODEL             | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|-------------------|---------------------|-----------------------|-------------------|
| IDC14-4156E       | 156.00 [3962]       | 157.50 [4001]         | 159.00 [4039]     |
| IDC14-4168E       | 168.00 [4267]       | 169.50 [4305]         | 171.00 [4343]     |
| IDC14-4180E/5180E | 180.00 [4572]       | 181.50 [4610]         | 183.00 [4648]     |
| IDC14-4192E/5192E | 192.00 [4877]       | 193.50 [4915]         | 195.00 [4953]     |

# IDC14 ELECTRIC HEATED

## END VIEW



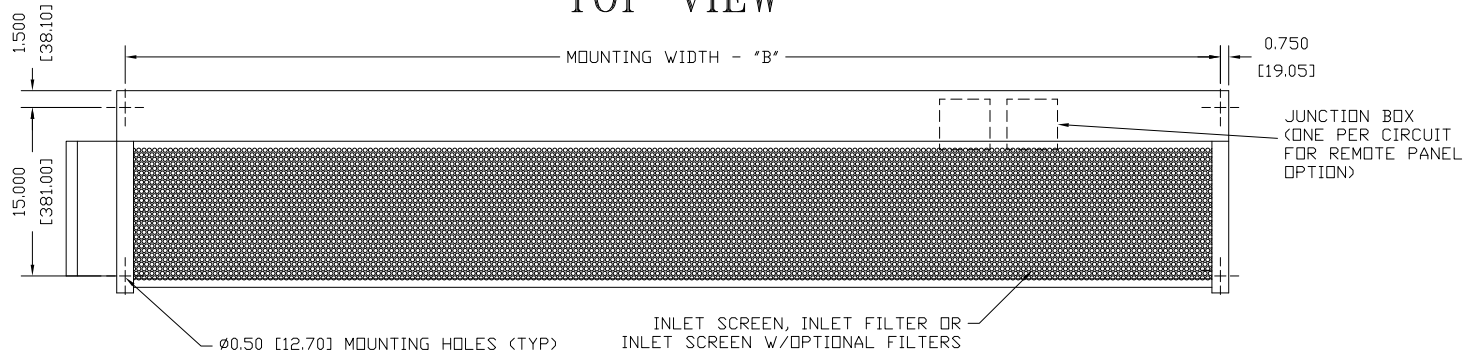
## NOTES:

- AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- FIELD VERIFY DIMENSIONS.
- ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- LETTER "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- DIMENSIONS IN INCHES [MILLIMETERS].

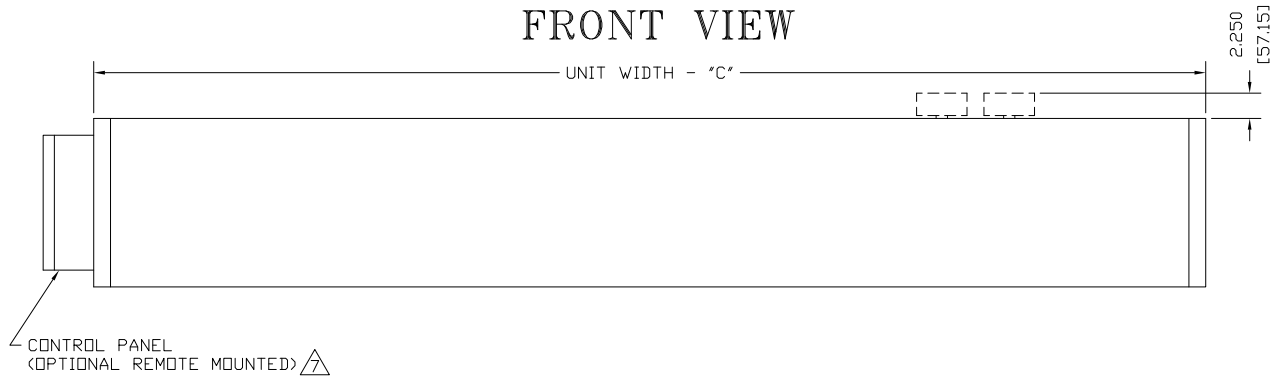
|           |            |                                                   |
|-----------|------------|---------------------------------------------------|
| PROJECT   |            |                                                   |
| LOCATION  |            |                                                   |
| ARCHITECT |            |                                                   |
| ENGINEER  |            | REV. B                                            |
| DWG. NO.  | IDC14-ELE2 | TITLE: <b>BERNER</b>                              |
| DATE      | 23JUN2025  | MODEL IDC14 AIR CURTAIN<br>ELECTRIC HEATED SYSTEM |
| BY        | S. Beil    |                                                   |
| REPLACES  | 11DEC2024  |                                                   |
| BY        | S. Beil    | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA.     |

# IDC 14 ELECTRIC HEATED TOP INTAKE

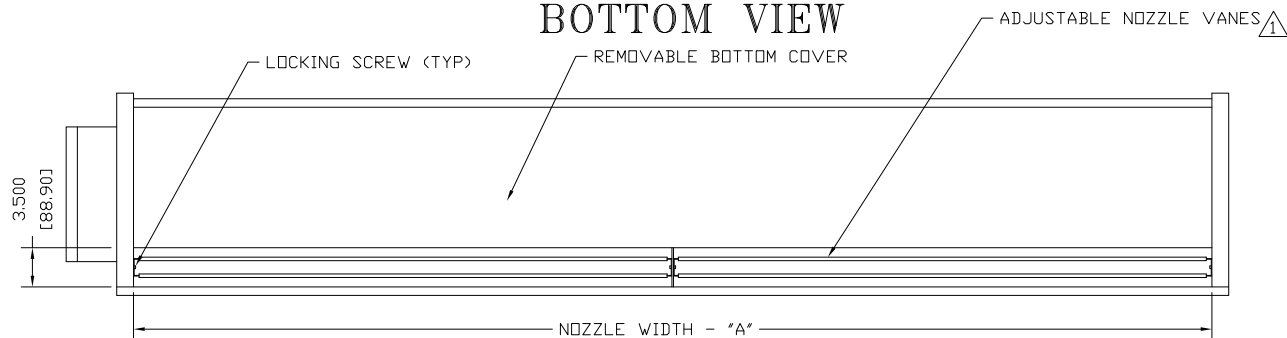
## TOP VIEW



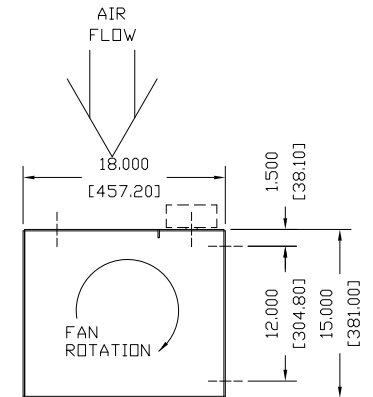
## FRONT VIEW



## BOTTOM VIEW



## END VIEW

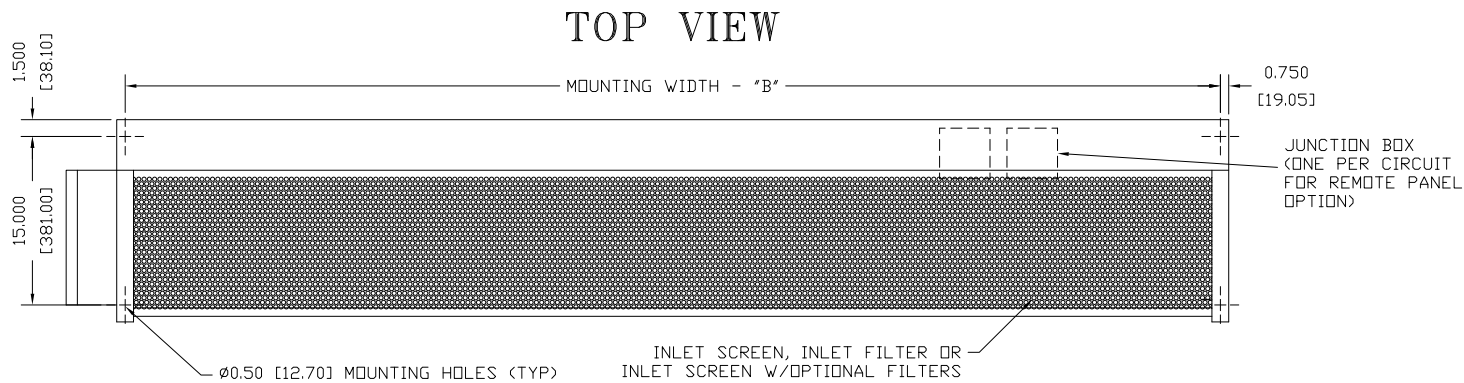


## NOTES:

- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- 3 FIELD VERIFY DIMENSIONS.
- 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- 6 LETTER "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- 7 STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- 8 DIMENSIONS IN INCHES [MILLIMETERS].

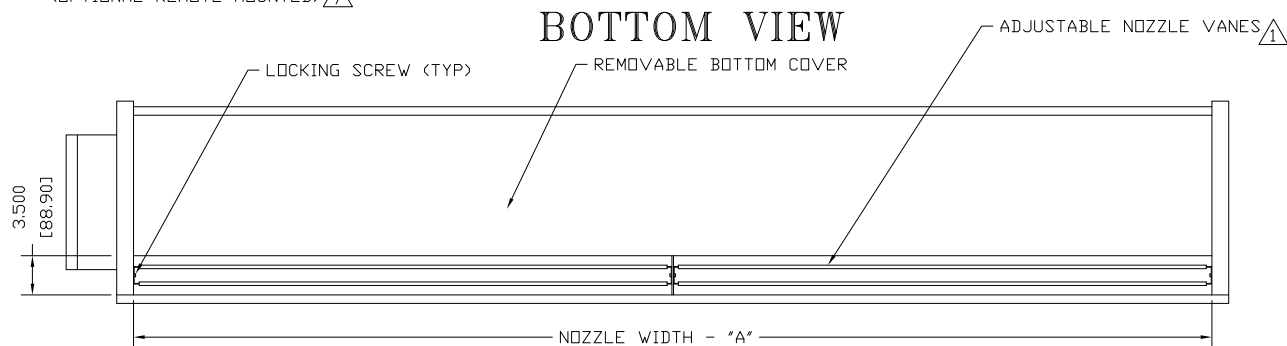
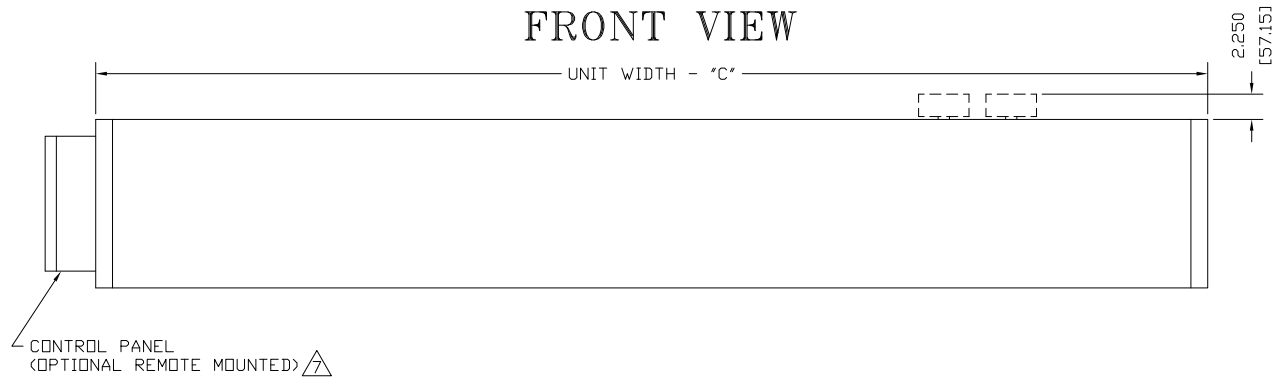
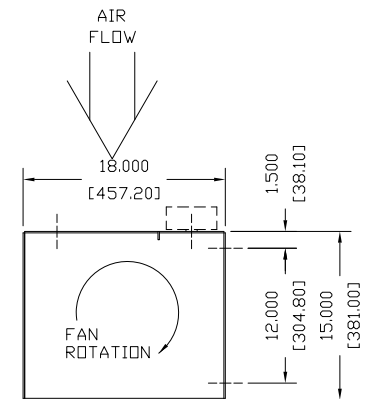
| MODEL <sup>6</sup> | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|--------------------|---------------------|-----------------------|-------------------|
| IDC14-1036E        | 36.00 [914]         | 37.50 [953]           | 39.00 [991]       |
| IDC14-1042E        | 42.00 [1067]        | 43.50 [1104]          | 45.00 [1143]      |
| IDC14-1048E        | 48.00 [1219]        | 49.50 [1257]          | 51.00 [1295]      |
| IDC14-2060E        | 66.00 [1676]        | 67.50 [1715]          | 69.00 [1753]      |
| IDC14-2072E        | 72.00 [1829]        | 73.50 [1867]          | 75.00 [1905]      |
| IDC14-2078E        | 78.00 [1921]        | 79.50 [2019]          | 81.00 [2057]      |
| IDC14-2084E        | 84.00 [2134]        | 85.50 [2172]          | 87.00 [2210]      |
| IDC14-2096E/3096E  | 99.00 [2515]        | 100.50 [2553]         | 102.00 [2591]     |
| IDC14-3108E        | 108.00 [2743]       | 109.50 [2781]         | 111.00 [2819]     |
| IDC14-3120E        | 117.00 [2972]       | 118.50 [3010]         | 120.00 [3048]     |
| IDC14-3132E        | 132.00 [3353]       | 133.50 [3391]         | 135.00 [3429]     |
| IDC14-3144E/4144E  | 144.00 [3658]       | 145.50 [3696]         | 147.00 [3734]     |

|           |            |        |                                               |
|-----------|------------|--------|-----------------------------------------------|
| PROJECT   |            |        |                                               |
| LOCATION  |            |        |                                               |
| ARCHITECT |            |        |                                               |
| ENGINEER  |            |        | REV. B                                        |
| DWG. NO.  | IDC14-ELE3 | TITLE: | <b>BERNER</b>                                 |
| DATE      | 23JUN2025  |        | MODEL IDC14 AIR CURTAIN                       |
| BY        | S. Beil    |        | TOP INTAKE - ELECTRIC HEATED SYSTEM           |
| REPLACES  | 11DEC2024  |        |                                               |
| BY        | A.Johnston |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA. |



# **IDC14 ELECTRIC HEATED TOP INTAKE**

## **END VIEW**



## **NOTES:**

- <sup>1</sup> AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF C.
- <sup>2</sup> ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- <sup>3</sup> FIELD VERIFY DIMENSIONS.
- <sup>4</sup> ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- <sup>5</sup> ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- <sup>6</sup> LETTER "E" IN MODEL NUMBER DESIGNATES, ELECTRIC HEATED UNIT.
- <sup>7</sup> STANDARD CONTROL PANEL LEFT HAND MOUNT, OPTIONAL RIGHT HAND MOUNT, OR REMOTE. PLEASE SPECIFY.
- <sup>8</sup> DIMENSIONS IN INCHES [MILLIMETERS].

| MODEL <sup>6</sup> | NOZZLE WIDTH<br>"A" | MOUNTING WIDTH<br>"B" | UNIT WIDTH<br>"C" |
|--------------------|---------------------|-----------------------|-------------------|
| IDC14-4156E        | 156.00 [3962]       | 157.50 [4001]         | 159.00 [4039]     |
| IDC14-4168E        | 168.00 [4267]       | 169.50 [4305]         | 171.00 [4343]     |
| IDC14-4180E/5180E  | 180.00 [4572]       | 181.50 [4610]         | 183.00 [4648]     |
| IDC14-4192E/5192E  | 192.00 [4877]       | 193.50 [4915]         | 195.00 [4953]     |

|           |            |        |                                               |
|-----------|------------|--------|-----------------------------------------------|
| PROJECT   |            |        |                                               |
| LOCATION  |            |        |                                               |
| ARCHITECT |            |        |                                               |
| ENGINEER  |            |        | REV. B                                        |
| DWG. NO.  | IDC14-ELE4 | TITLE: | <b>BERNER</b>                                 |
| DATE      | 23JUN2025  |        | MODEL IDC14 AIR CURTAIN                       |
| BY        | S. Beil    |        | TOP INTAKE - ELECTRIC HEATED SYSTEM           |
| REPLACES  | 11DEC2024  |        |                                               |
| BY        | S. Beil    |        | BERNER INTERNATIONAL CORP.<br>NEW CASTLE, PA. |