

For Mounting Heights To 10' (environmental separation)

#### STANDARD CONSTRUCTION

- 14 1/2" high x 28 1/4" deep
- 1/2 hp EC motor(s)
- Intelliswitch™ digital controller - ten speeds
- Berner AIR™ (smart controller & app) includes BACnet
- Cabinet: Brushed Stainless Steel, Grade 304 or better
- Bottom Panel: Clear satin anodized aluminum (Optional: White Aluminum, Custom Color or Stainless)
- Wall or Top Mounting
- High efficiency, low noise, articulating Pro-V Nozzle
- Patented single stage venturi electric heater (open element)
- Alternate kW: see sheet EP-232E
- Filter (washable)
- Optional: Rear cover for top mounting to conceal fasteners

Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 vestibule exception validated by AMCA certification. Refer to Velocity Projection Chart below for information.



Berner International certifies that the air curtains shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Rated data shown is for base (unheated) units. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.

2 Year Limited Warranty



indoor use

MODEL	Nozzle Width (in)	Max Vel. at Nozzle (fpm)	Avg. Outlet Vel. (fpm)	Air Volume (cfm)	Outlet Vel. Uniformity	Power Rating (kW)	Motor(s) @ hp	Max. Electric Capacity (kW)	Heater Output (MBH)	Air Temp. Rise (°F)	Net Wt. (lbs)
AE10-E-1036E	36.00	3,386	2,134	1,467	86%	0.50	1 @ 1/2	14	47.8	30	104
AE10-E-1042E	42.00	3,603	1,782	1,429	86%	0.50	1 @ 1/2	14	47.8	31	116
AE10-E-1048E	48.00	3,494	1,540	1,412	75%	0.50	1 @ 1/2	14	47.8	31	129
AE10-E-2060E	60.00	3,391	1,811	2,075	79%	0.75	2 @ 1/2	21	71.7	32	176
AE10-E-2072E	72.00	3,386	2,134	2,934	86%	1.00	2 @ 1/2	28	95.6	30	201
AE10-E-2084E	84.00	3,603	1,782	2,858	86%	1.00	2 @ 1/2	28	95.6	31	226
AE10-E-2096E	96.00	3,494	1,540	2,824	75%	1.00	2 @ 1/2	28	95.6	31	252
AE10-E-3096E	96.00	3,391	1,932	3,542	79%	1.25	3 @ 1/2	35	119.5	31	274
AE10-E-3108E	108.00	3,386	2,134	4,401	86%	1.50	3 @ 1/2	42	143.3	30	299
AE10-E-3120E	117.00	3,494	1,945	4,346	75%	1.50	3 @ 1/2	42	143.3	30	318
AE10-E-3132E	132.00	3,494	1,702	4,291	75%	1.50	3 @ 1/2	42	143.3	31	349
AE10-E-3144E	144.00	3,494	1,540	4,236	75%	1.50	3 @ 1/2	42	143.3	31	374
AE10-E-4144E	144.00	3,386	2,134	5,868	86%	2.00	4 @ 1/2	56	191.1	30	396

See sheet EP-232E for amp draws/total load requirements.

600/3/60 power supply includes extended cabinet, See drawings AE10-E-ELE-TR1 & AE10-E-ELE-TR2.

NOTE: Single Point Power Connection – consult factory.

#### MODEL NUMBER CONFIGURATION

**AE10-E-1 036 E B-140-EC-WCA -TB-SA**

Series	Version	# of Motors	Opening Width	Heat	Voltage	kW	Motor Type	Control	Opt. Display	Material/Finish
AE10	E	1, 2, 3, 4	036" - 144"	E=Electric Heated	B = 208/1/60* J = 240/1/60* V = 220/1/50* W = 277/1/60* K = 120/480 L = 120/600 S = 208/480 M = 208/600 U = 240/480 N = 240/600 X = 208/3/60 Y = 240/3/60 WZ = 480/3/60** L-XI = 600/3/60 † O = 380/3/50**	14.0 - 56.0 (140 - 560)	EC Motor	WCA= Berner AIR™ smart control	Remote Touchscreen	Cabinet: S=Stainless (std) A= Anod Alum W=White Alum C=Custom Color Bottom Panel: A=Anod Alum (std) W=White Alum S=Stainless C=Custom Color

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

- 1 motor: Min./Max. Speed: 52/55 dBA
- 2 motors: Min./Max. Speed: 55/58 dBA
- 3 motors: Min./Max. Speed: 57/60 dBA
- 4 motors: Min./Max. Speed: 58/61 dBA

Sound data is not AMCA certified.

\*B, J and V - Max 16 kW  
\*\*Power Supply requires 4-wire system (w/ neutral)  
† Add 12" to cabinet width for transformer

See sheet EP-232E for alternate kW code  
See sheet EP-232E for available lengths and voltages

VELOCITY PROJECTION: Model AE10-E-1036E				
Distance from Nozzle (in)	40	80	120	160
Core Velocity (fpm)	1550	1112	1005	884
Uniformity (%)	92	94	96	97

ASHRAE 90.1-2019 vestibule exception requires, "a jet velocity of not less than 6.6 feet per second (2.0 m/s; 400 fpm) at 6.0 in (15 cm) above the floor."

Berner reserves the right to alter specifications without prior notice.



# ARCHITECTURAL ELITE 10

## Electric Heated Air Curtain

### Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/1/60 (voltage code B) MOTOR AMP DRAW = 4.1 each			240/1/60 (voltage code J) or 220/1/50 (voltage code V) MOTOR AMP DRAW = 4.1 each			277/1/60 (voltage code W) MOTOR AMP DRAW = 3.6 each		
			# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
AE10-E-1036E AE10-E-1042E AE10-E-1048E	14 (140)	30	2	26.6/44.9	35/60	2	23.6/38.9	30/50	2	28.9/25.3	40/35
	10 (100)	21	2	20.1/32.0	30/40	1	45.8	60	1	39.7	50
	8 (080)	17	1	42.6	60	1	37.4	50	1	32.5	45
	6 (060)	13	1	32.9	45	1	29.1	40	1	25.3	35
AE10-E-2060E	21 (210)	32	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	15 (150)	23	2	32.2/48.1	40/60	2	29.0/41.7	40/60	2	25.3/36.1	35/50
	12 (120)	18	2	27.4/38.5	35/50	2	24.9/33.3	35/45	2	21.6/28.9	30/40
	9 (090)	14	2	22.6/28.8	30/40	1	45.7	60	1	39.7	50
AE10-E-2072E AE10-E-2084E AE10-E-2096E	28 (280)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	20 (200)	21	-	N/A	N/A	-	N/A	N/A	2	43.3/36.1	60/50
	16 (160)	17	2	46.7/38.5	60/50	2	41.5/33.3	60/45	2	36.1/28.9	45/40
	12 (120)	13	2	37.0/28.8	50/40	2	33.2/25.0	45/35	2	28.9/21.7	40/30
AE10-E-3096E	35 (350)	31	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	25 (250)	22	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	20 (200)	18	-	N/A	N/A	-	N/A	N/A	2	39.7/43.3	50/60
	15 (150)	13	2	41.1/43.3	50/60	2	37.3/37.5	45/50	2	32.5/32.5	40/45
AE10-E-3108E AE10-E-3120E AE10-E-3132E AE10-E-3144E	42 (420)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	30 (300)	22	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	24 (240)	17	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	18 (180)	13	-	N/A	N/A	-	N/A	N/A	2	43.3/32.5	60/45
AE10-E-4144E	56 (560)	30	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	40 (400)	21	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	32 (320)	17	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A
	24 (240)	13	-	N/A	N/A	-	N/A	N/A	-	N/A	N/A

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EP-232E  
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# ARCHITECTURAL ELITE 10

## Electric Heated Air Curtain

### Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	208/3/60 (voltage code X) MOTOR AMP DRAW = 4.1 each			240/3/60 (voltage code Y) MOTOR AMP DRAW = 4.1 each			480/3/60 (voltage code WZ) - 4 Wire System MOTOR AMP DRAW = 3.6 each @ 277V			600/3/60 (voltage code L-XI) XFMR 600/120 1 kVA per MTR @ 1.7 each MOTOR AMP DRAW = 6.6 each @ 120V		
			# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
AE10-E-1038E AE10-E-1042E AE10-E-1048E	14 (140)	30	1	43.0	60	1	37.8	50	1	20.4	30	1	15.2	20
	10 (100)	21	1	31.9	40	1	28.2	40	1	15.6	20	1	11.3	15
	8 (080)	17	1	26.3	35	1	23.3	30	1	13.2	20	1	9.4	15
	6 (060)	13	1	20.8	30	1	18.5	25	1	10.8	15	1	7.5	15
AE10-E-2060E	21 (210)	32	2	27.6/38.9	35/50	2	25.0/33.7	35/45	1	32.5	40	1	23.6	30
	15 (150)	23	1	49.8	60	1	44.3	60	1	25.2	35	1	17.8	25
	12 (120)	18	1	41.5	60	1	37.1	50	1	21.6	30	1	14.9	20
	9 (090)	14	1	33.2	45	1	29.9	40	1	18.0	25	1	12.1	15
AE10-E-2072E AE10-E-2084E AE10-E-2096E	28 (280)	30	2	47.1/38.9	60/50	2	41.9/33.7	60/45	1	40.9	60	1	30.3	40
	20 (200)	21	2	36.0/27.8	45/35	2	32.3/24.1	40/35	1	31.3	40	1	22.6	30
	16 (160)	17	2	30.4/22.2	40/30	1	46.7	60	1	26.4	35	1	18.8	25
	12 (120)	13	1	41.5	60	1	37.1	50	1	21.6	30	1	14.9	20
AE10-E-3096E	35 (350)	31	3	31.7/38.9/38.9	40/50/50	3	29.1/33.7/33.7	35/45/45	2	27.6/25.3	35/35	1	38.8	50
	25 (250)	22	2	40.1/41.6	50/60	2	36.4/36.1	45/50	1	40.9	50	1	29.2	40
	20 (200)	18	2	34.5/33.3	45/45	2	31.5/28.9	40/40	1	34.9	45	1	24.3	30
	15 (150)	13	2	29.0/25.0	35/35	2	26.7/21.7	35/30	1	28.8	35	1	19.5	25
AE10-E-3108E AE10-E-3120E AE10-E-3132E AE10-E-3144E	42 (420)	30	3	51.2/38.9/38.9	60/60/50	3	46.0/33.7/33.7	60/45/45	2	27.6/33.7	35/45	1	45.5	60
	30 (300)	22	3	40.1/27.8/27.8	50/35/35	2	36.4/48.1	45/60	1	46.9	60	1	34.0	45
	24 (240)	17	2	34.5/44.4	45/60	2	31.5/38.5	40/50	1	39.7	50	1	28.2	35
	18 (180)	13	2	29.0/33.3	35/45	2	26.7/28.9	35/40	1	32.5	40	1	22.4	30
AE10-E-4144E	56 (560)	30	4	47.1/47.1/38.9/38.9	60/60/50/50	4	41.9/41.9/33.7/33.7	60/60/45/45	2	48.1/33.7	60/45	2	33.7/26.9	45/35
	40 (400)	21	4	36.0/36.0/27.8/27.8	45/45/35/35	3	32.3/32.3/48.1	40/40/60	2	38.5/24.1	50/35	1	45.3	60
	32 (320)	17	3	30.4/30.4/44.4	40/40/60	2	46.7/46.7	60/60	2	33.6/19.2	40/25	1	37.6	50
	24 (240)	13	2	49.7/33.3	60/45	2	45.3/28.9	60/40	1	43.3	60	1	29.9	40

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# ARCHITECTURAL ELITE 10

## Electric Heated Air Curtain

### Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	# CKTS	120/1/60 - 480/3/60 (voltage code K) 120V MOTOR AMP DRAW = 6.6 each				208/1/60 - 480/3/60 (voltage code S) 208V MOTOR AMP DRAW = 4.1 each				240/1/60 - 480/3/60 (voltage code U) 240V MOTOR AMP DRAW = 4.1 each					
				AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT			
				120V/1	480V/3	120V/1	480V/3	208V/1	480V/3	208V/1	480V/3	240V/1	480V/3	240V/1	480V/3		
AE10-E-1036E AE10-E-1042E AE10-E-1048E	14 (140)	30	2	6.6	16.8	15	25	2	4.1	16.8	15	25	2	4.1	16.8	15	25
	10 (100)	21	2	6.6	12.0	15	15	2	4.1	12.0	15	15	2	4.1	12.0	15	15
	8 (080)	17	2	6.6	9.6	15	15	2	4.1	9.6	15	15	2	4.1	9.6	15	15
	6 (060)	13	2	6.6	7.2	15	15	2	4.1	7.2	15	15	2	4.1	7.2	15	15
AE10-E-2060E	21 (210)	32	2	13.2	25.3	20	35	2	8.2	25.3	15	35	2	8.2	25.3	15	35
	15 (150)	23	2	13.2	18.0	20	25	2	8.2	18.0	15	25	2	8.2	18.0	15	25
	12 (120)	18	2	13.2	14.4	20	20	2	8.2	14.4	15	20	2	8.2	14.4	15	20
	9 (090)	14	2	13.2	10.8	20	15	2	8.2	10.8	15	15	2	8.2	10.8	15	15
AE10-E-2072E AE10-E-2084E AE10-E-2096E	28 (280)	30	2	13.2	33.7	20	45	2	8.2	33.7	15	45	2	8.2	33.7	15	45
	20 (200)	21	2	13.2	24.1	20	35	2	8.2	24.1	15	35	2	8.2	24.1	15	35
	16 (160)	17	2	13.2	19.2	20	25	2	8.2	19.2	15	25	2	8.2	19.2	15	25
	12 (120)	13	2	13.2	14.4	20	20	2	8.2	14.4	15	20	2	8.2	14.4	15	20
AE10-E-3096E	35 (350)	31	2	19.8	42.1	25	60	2	12.3	42.1	20	60	2	12.3	42.1	20	60
	25 (250)	22	2	19.8	30.1	25	40	2	12.3	30.1	20	40	2	12.3	30.1	20	40
	20 (200)	18	2	19.8	24.1	25	35	2	12.3	24.1	20	35	2	12.3	24.1	20	35
	15 (150)	13	2	19.8	18.0	25	25	2	12.3	18.0	20	25	2	12.3	18.0	20	25
AE10-E-3108E AE10-E-3120E AE10-E-3132E AE10-E-3144E	42 (420)	30	3	19.8	33.7/16.8	25	45/25	3	12.3	33.7/16.8	20	45/25	3	12.3	33.7/16.8	20	45/25
	30 (300)	22	2	19.8	36.1	25	50	2	12.3	36.1	20	50	2	12.3	36.1	20	50
	24 (240)	17	2	19.8	28.9	25	40	2	12.3	28.9	20	40	2	12.3	28.9	20	40
	18 (180)	13	2	19.8	21.7	25	30	2	12.3	21.7	20	30	2	12.3	21.7	20	30
AE10-E-4144E	56 (560)	30	3	26.4	33.7/33.7	35	45/45	3	16.4	33.7/33.7	25	45/45	3	16.4	33.7/33.7	25	45/45
	40 (400)	21	3	26.4	24.1/24.1	35	35/35	3	16.4	24.1/24.1	25	35/35	3	16.4	24.1/24.1	25	35/35
	32 (320)	17	2	26.4	38.5	35	50	2	16.4	38.5	25	50	2	16.4	38.5	25	50
	24 (240)	13	2	26.4	28.9	35	40	2	16.4	28.9	25	40	2	16.4	28.9	25	40

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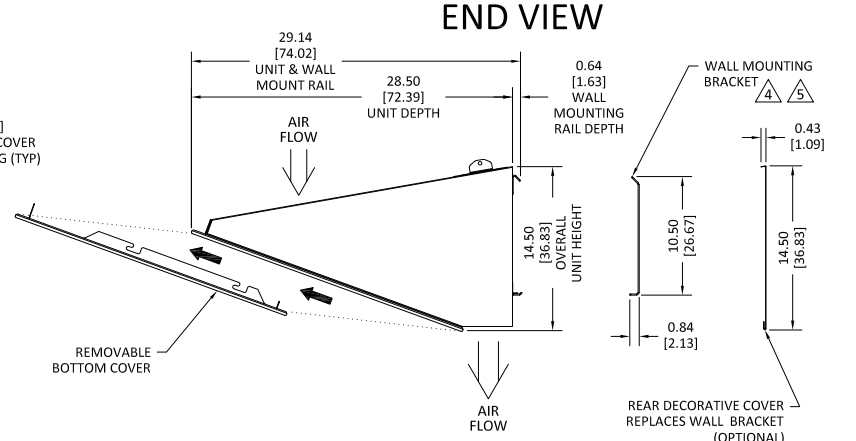
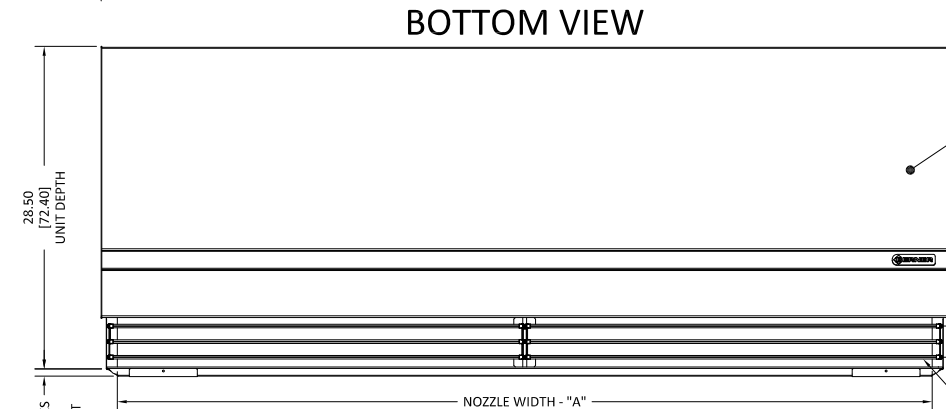
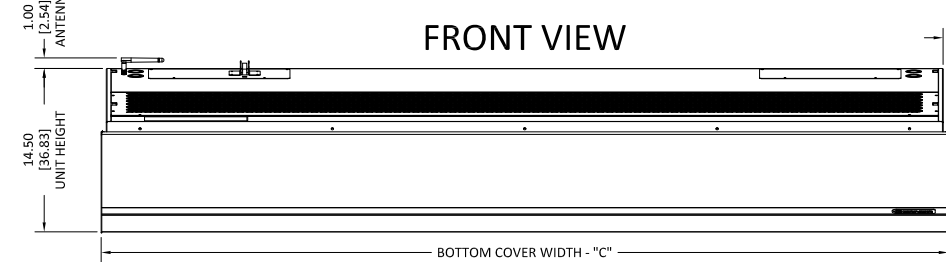
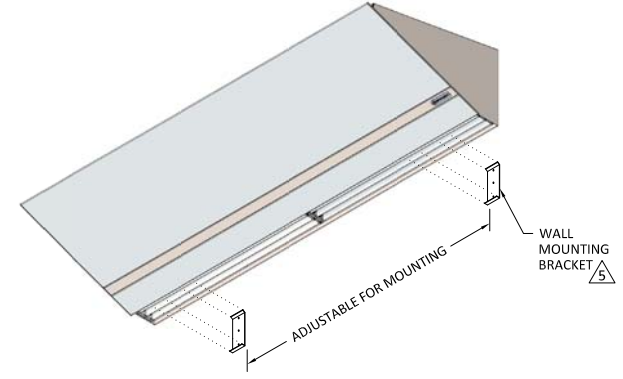
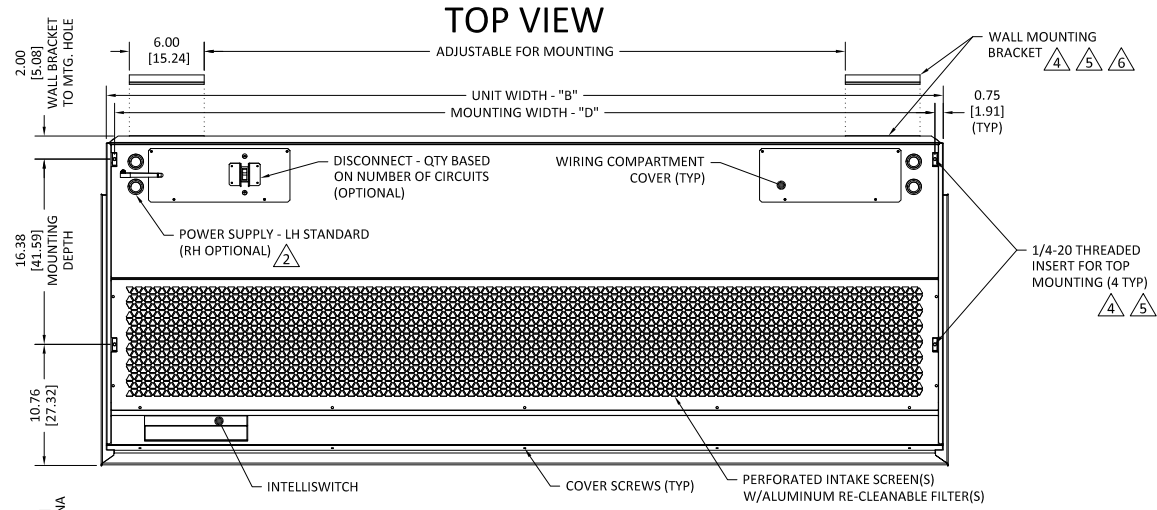
# ARCHITECTURAL ELITE 10

## Electric Heated Air Curtain

### Electrical Performance Sheet

MODEL	kW (code)	Temp Rise °F	# CKTS	120/1/60 - 600/3/60 (voltage code L) 120V MOTOR AMP DRAW = 6.6 each				208/1/60 - 600/3/60 (voltage code M) 208V MOTOR AMP DRAW = 4.1 each				240/1/60 - 600/3/60 (voltage code N) 240V MOTOR AMP DRAW = 4.1 each				380/3/50 (voltage code O) MOTOR AMP DRAW = 4.1 each				
				AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT		BREAKER RATING PER CIRCUIT		# CKTS	AMPS PER CIRCUIT (including motor)	BREAKER RATING PER CIRCUIT
				120V/1	600V/3	120V/1	600V/3		208V/1	600V/3	208V/1	600V/3		240V/1	600V/3	240V/1	600V/3			
AE10-E-1036E AE10-E-1042E AE10-E-1048E	14 (140)	30	2	6.6	13.5	15	20	2	4.1	13.5	15	20	2	4.1	13.5	15	20	1	25.4	35
	10 (100)	21	2	6.6	9.6	15	15	2	4.1	9.6	15	15	2	4.1	9.6	15	15	1	19.3	25
	8 (080)	17	2	6.6	7.7	15	15	2	4.1	7.7	15	15	2	4.1	7.7	15	15	1	16.3	25
	6 (060)	13	2	6.6	5.8	15	15	2	4.1	5.8	15	15	2	4.1	5.8	15	15	1	13.2	20
AE10-E-2060E	21 (210)	32	2	13.2	20.2	20	30	2	8.2	20.2	15	30	2	8.2	20.2	15	30	1	40.1	50
	15 (150)	23	2	13.2	14.4	20	20	2	8.2	14.4	15	20	2	8.2	14.4	15	20	1	31.0	40
	12 (120)	18	2	13.2	11.5	20	20	2	8.2	11.5	15	20	2	8.2	11.5	15	20	1	26.4	35
	9 (090)	14	2	13.2	8.7	20	15	2	8.2	8.7	15	15	2	8.2	8.7	15	15	1	21.9	30
AE10-E-2072E AE10-E-2084E AE10-E-2096E	28 (280)	30	2	13.2	26.9	20	35	2	8.2	26.9	15	35	2	8.2	26.9	15	35	2	29.5/21.3	40/30
	20 (200)	21	2	13.2	19.2	20	25	2	8.2	19.2	15	25	2	8.2	19.2	15	25	1	38.6	50
	16 (160)	17	2	13.2	15.4	20	20	2	8.2	15.4	15	20	2	8.2	15.4	15	20	1	32.5	40
	12 (120)	13	2	13.2	11.5	20	15	2	8.2	11.5	15	15	2	8.2	11.5	15	15	1	26.4	35
AE10-E-3096E	35 (350)	31	2	19.8	33.7	25	45	2	12.3	33.7	20	45	2	12.3	33.7	20	45	2	33.6/31.9	40/40
	25 (250)	22	2	19.8	24.1	25	35	2	12.3	24.1	20	35	2	12.3	24.1	20	35	1	50.3	60
	20 (200)	18	2	19.8	19.2	25	25	2	12.3	19.2	20	25	2	12.3	19.2	20	25	1	42.7	60
	15 (150)	13	2	19.8	14.4	25	20	2	12.3	14.4	20	20	2	12.3	14.4	20	20	1	35.1	45
AE10-E-3108E AE10-E-3120E AE10-E-3132E AE10-E-3144E	42 (420)	30	2	19.8	40.4	25	60	2	12.3	40.4	20	60	2	12.3	40.4	20	60	2	33.6/42.5	40/60
	30 (300)	22	2	19.8	28.9	25	40	2	12.3	28.9	20	40	2	12.3	28.9	20	40	2	27.5/30.4	35/40
	24 (240)	17	2	19.8	23.1	25	30	2	12.3	23.1	20	30	2	12.3	23.1	20	30	1	48.8	60
	18 (180)	13	2	19.8	17.3	25	25	2	12.3	17.3	20	25	2	12.3	17.3	20	25	1	39.6	50
AE10-E-4144E	56 (560)	30	3	26.4	26.9/26.9	35	35/35	3	16.4	26.9/26.9	25	35/35	3	16.4	26.9/26.9	25	35/35	3	37.7/42.5/21.3	45/60/30
	40 (400)	21	2	26.4	38.5	35	50	2	16.4	38.5	25	50	2	16.4	38.5	25	50	2	46.8/30.4	60/40
	32 (320)	17	2	26.4	30.8	35	40	2	16.4	30.8	25	40	2	16.4	30.8	25	40	2	40.7/24.3	50/35
	24 (240)	13	2	26.4	23.1	35	30	2	16.4	23.1	25	30	2	16.4	23.1	25	30	2	43.7/9.1	60/15

# AE10-E ELECTRIC HEATED SYSTEM: 208 - 480V



FRONT VIEW

BOTTOM VIEW

END VIEW

## NOTES:

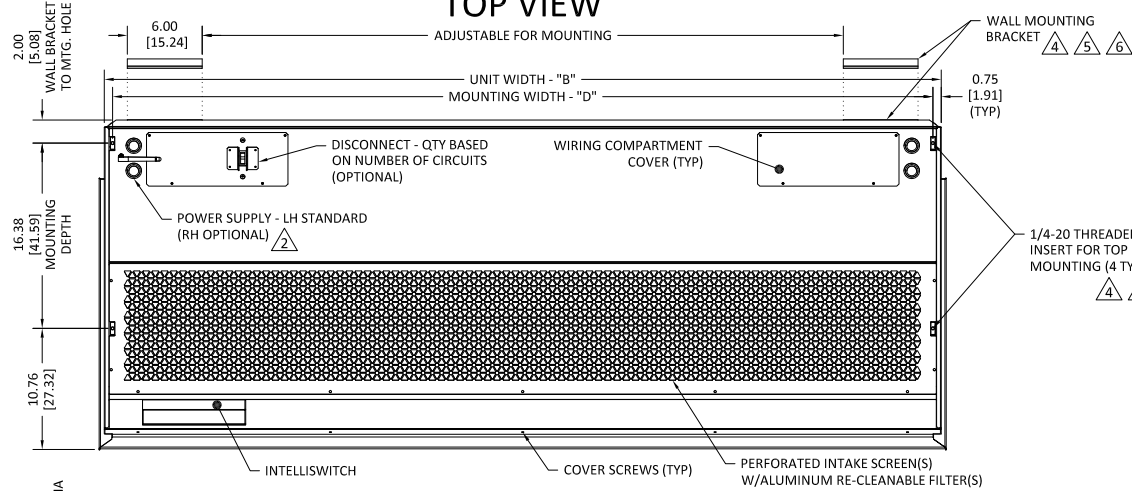
- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\zeta$ .
- 2 ELECTRICAL CONNECTIONS TO BE FLEXIBLE.
- 3 FIELD VERIFY DIMENSIONS.
- 4 ANCHORS TO SUPPORTING STRUCTURE BY OTHERS.
- 5 ADEQUACY OF SUPPORTING STRUCTURE IS TO BE VERIFIED BY A PROFESSIONAL STRUCTURAL ENGINEER.
- 6 WALL MOUNTING RAIL TO UNIT HARDWARE INCLUDED, WALL MOUNTING BRACKET HARDWARE BY OTHERS.
- 7 THE LAST CHARACTER IN THE MODEL NUMBER - "E" DESIGNATES ELECTRIC HEATED UNIT.
- 8 DIMENSIONS IN INCHES [CENTIMETERS].

MODEL	NOZZLE WIDTH "A"	UNIT WIDTH "B"	BOTTOM COVER WIDTH "C"	MOUNTING WIDTH "D"
AE10-E-1036E	36.00 [91.44]	38.00 [96.52]	38.85 [98.68]	36.50 [92.71]
AE10-E-1042E	42.00 [106.68]	44.00 [111.76]	44.85 [113.92]	42.50 [107.95]
AE10-E-1048E	48.00 [121.92]	50.00 [127.00]	50.85 [129.16]	48.50 [123.19]
AE10-E-2060E	60.00 [152.40]	62.00 [157.48]	62.85 [159.64]	60.50 [153.67]
AE10-E-2072E	72.00 [182.88]	74.00 [187.96]	74.85 [190.12]	72.50 [184.15]
AE10-E-2084E	84.00 [213.36]	86.00 [218.44]	86.85 [220.60]	84.50 [214.63]
AE10-E-2096E/3096E	96.00 [243.84]	98.00 [248.92]	98.85 [251.08]	96.50 [245.11]
AE10-E-3108E	108.00 [274.32]	110.00 [279.40]	110.85 [281.56]	108.50 [275.59]
AE10-E-3120E	117.00 [297.18]	119.00 [302.26]	119.85 [304.42]	117.50 [298.45]
AE10-E-3132E	132.00 [335.28]	134.00 [340.36]	134.85 [342.52]	132.50 [336.55]
AE10-E-3144E/4144E	144.00 [365.76]	146.00 [370.84]	146.85 [373.00]	144.50 [367.03]

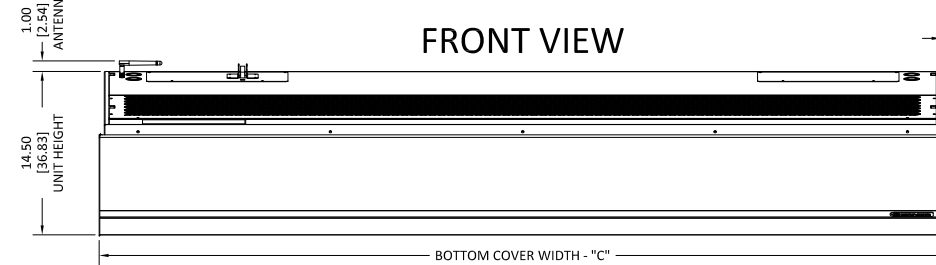
PROJECT		TITLE:	<b>BERNER</b>
LOCATION			MODEL AE10-E AIR CURTAIN 208 - 480V
ARCHITECT			ELECTRIC HEATED SYSTEM
ENGINEER			BERNER INTERNATIONAL CORP. NEW CASTLE, PA.
DWG. NO.	AE10-E-ELEC		
DATE	30JUL2020		
BY	S. Beil		
REPLACES	31JAN2020		
BY	S. Beil		

# AE10-E ELECTRIC HEATED SYSTEM: 600V

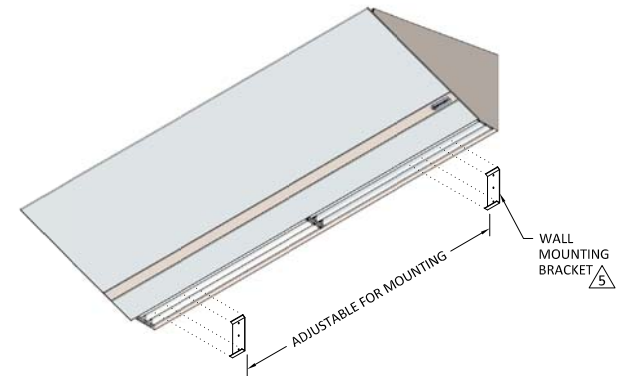
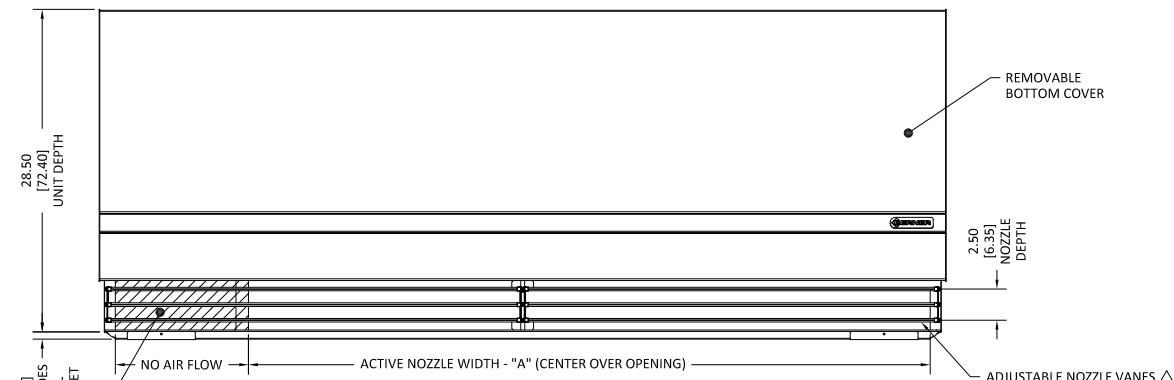
## TOP VIEW



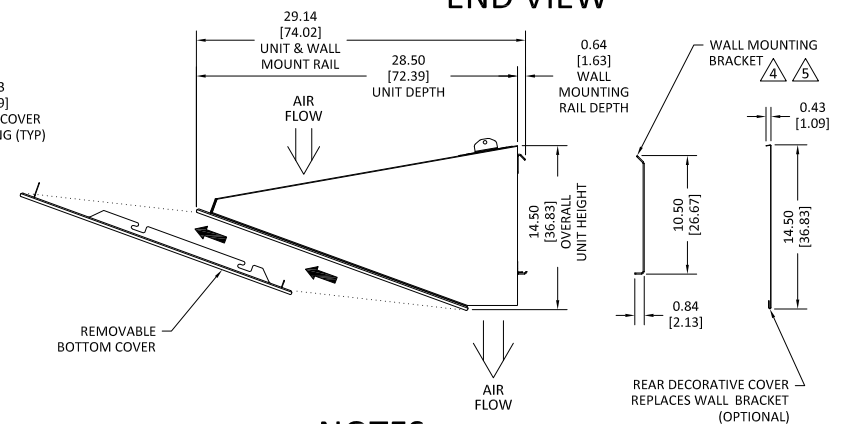
## FRONT VIEW



## BOTTOM VIEW



## END VIEW



## NOTES:

- 1 AIR FLOW MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\phi$ .
- 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 WALL MOUNTING RAIL TO UNIT HARDWARE INCLUDED, WALL MOUNTING BRACKET HARDWARE BY OTHERS.
- 7 THE LAST CHARACTER IN THE MODEL NUMBER - "E" DESIGNATES ELECTRIC HEATED UNIT.
- 8 DIMENSIONS IN INCHES [CENTIMETERS].
- 9 NO AIR FLOW, AREA HOUSES TRANSFORMER. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING

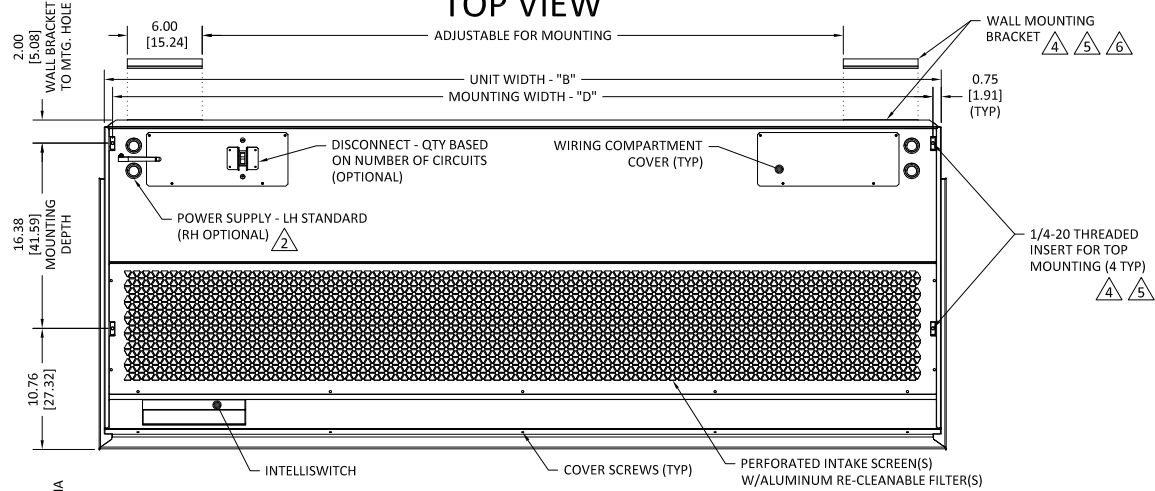
MODEL	NOZZLE WIDTH "A"	UNIT WIDTH "B"	BOTTOM COVER WIDTH "C"	MOUNTING WIDTH "D"
AE10-E-1036E	36.00 [91.44]	50.00 [127.00]	50.85 [129.16]	48.50 [123.19]
AE10-E-1042E	42.00 [106.68]	56.00 [142.24]	56.85 [144.40]	54.50 [138.43]
AE10-E-1048E	48.00 [121.92]	62.00 [157.48]	62.85 [159.64]	60.50 [153.67]
AE10-E-2060E	60.00 [152.40]	74.00 [187.96]	74.85 [190.12]	72.50 [184.15]
AE10-E-2072E	72.00 [182.88]	86.00 [218.44]	86.85 [220.60]	84.50 [214.63]
AE10-E-2084E	84.00 [213.36]	98.00 [248.92]	98.85 [251.08]	96.50 [245.11]
AE10-E-2096E/3096E	96.00 [243.84]	110.00 [279.40]	110.85 [281.56]	108.50 [275.59]
AE10-E-3108E	108.00 [274.32]	119.00 [302.68]	119.85 [304.42]	117.50 [298.45]
AE10-E-3120E	117.00 [297.18]	134.00 [340.36]	134.85 [342.52]	132.50 [336.55]
AE10-E-3132E	132.00 [335.28]	146.00 [370.84]	146.85 [373.00]	144.50 [367.03]
AE10-E-3144E	144.00 [365.76]	158.00 [401.32]	158.85 [403.481]	156.50 [397.51]

INACTIVE NOZZLE AREA FOR TRANSFORMER ENCLOSURE. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING

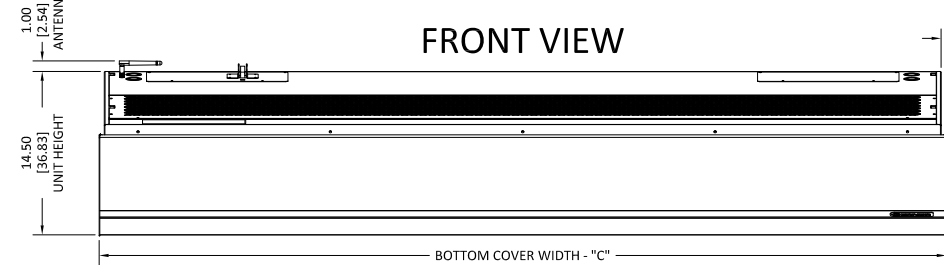
PROJECT		TITLE:	<b>BERNER</b> MODEL AE10-E AIR CURTAIN 600V ELECTRIC HEATED SYSTEM
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AE10-E-ELE-TR		
DATE	30JUL2020		
BY	S. Beil		
REPLACES	31JAN2020		
BY	S. Beil		
			BERNER INTERNATIONAL CORP. NEW CASTLE, PA.

# AE10-E ELECTRIC HEATED SYSTEM: 600V

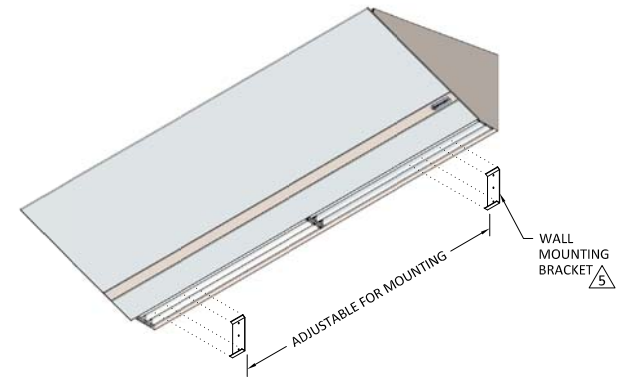
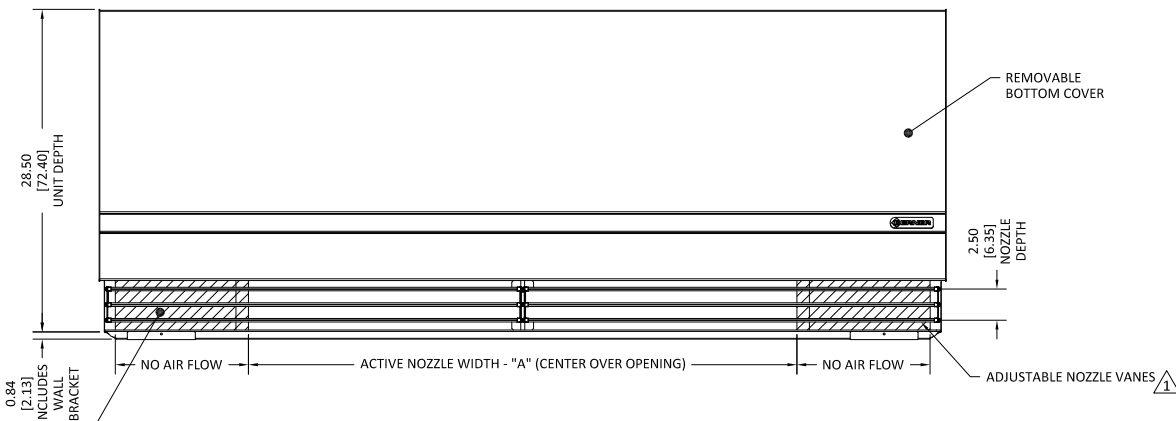
## TOP VIEW



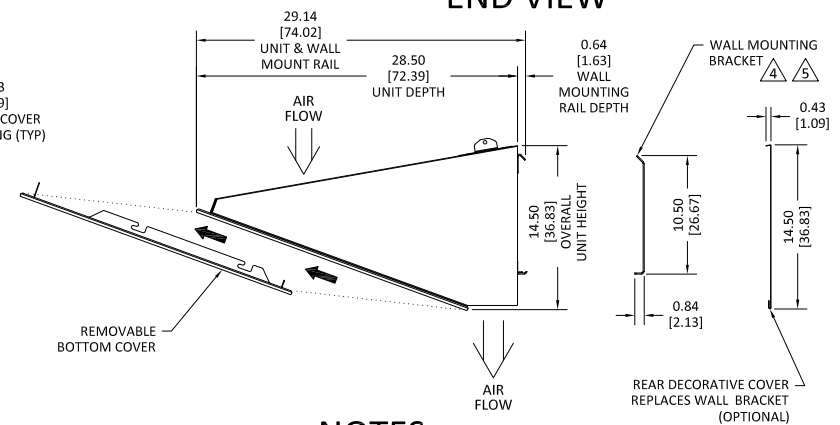
## FRONT VIEW



## BOTTOM VIEW



## END VIEW



## NOTES:

- 1 AIR CURTAIN MUST BE INSTALLED SO AIR STREAM IS NOT OBSTRUCTED WHEN DEFLECTED 20° TO EITHER SIDE OF  $\phi$ .
- 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.
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- 7 THE LAST CHARACTER IN THE MODEL NUMBER - "E" DESIGNATES ELECTRIC HEATED UNIT.
- 8 DIMENSIONS IN INCHES [CENTIMETERS].
- 9 NO AIR FLOW, AREA HOUSES TRANSFORMER. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING

INACTIVE NOZZLE AREA FOR TRANSFORMER ENCLOSURE. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING (TYP)

MODEL	NOZZLE WIDTH "A"	UNIT WIDTH "B"	BOTTOM COVER WIDTH "C"	MOUNTING WIDTH "D"
AE10-E-4144E	144.00 [365.76]	158.00 [401.32]	158.85 [403.481]	156.50 [397.51]

PROJECT		TITLE:	<b>BERNER</b> MODEL AE10-E AIR CURTAIN 600V ELECTRIC HEATED SYSTEM
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AE10-E-ELE-TR		
DATE	30JUL2020		
BY	S. Beil		
REPLACES	31JAN2020		
BY	S. Beil		
			BERNER INTERNATIONAL CORP. NEW CASTLE, PA.