

Recommended for Mounting Heights to 8' (environmental separation) and 7' (insect control)

Vestibule Exception for the ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 Energy Codes, require a velocity projection tested in accordance with AMCA 220 of not less than 6.6 feet per second (400 fpm or 2.0 m/s) at 6.0 in (15 cm) above the floor.

VELOCITY PROJECTION: Model AE08-F-1036A

Distance from Nozzle (in)	40	80	120
Core Velocity (fpm)	874	766	576
Uniformity (%)	90%	88%	87%



5 Year
Limited
Warranty



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.

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	Net Wt. (lbs)
AE08-F-1036A	36.00	2,308	1,758	989	85%	0.21	1 @ 1/5	52
AE08-F-1042A	42.00	2,425	1,778	1,167	83%	0.24	1 @ 1/5	59
AE08-F-1048A	48.00	2,417	1,827	1,370	80%	0.26	1 @ 1/5	66
AE08-F-1060A	59.00	2,276	1,827	1,684	81%	0.33	1 @ 1/5	81
AE08-F-1072A	72.00	2,185	1,648	1,854	84%	0.35	1 @ 1/5	95
AE08-F-2078A	78.00	2,425	1,769	2,156	83%	0.44	2 @ 1/5	117
AE08-F-2084A	84.00	2,425	1,778	2,334	83%	0.47	2 @ 1/5	117
AE08-F-2096A	96.00	2,417	1,827	2,740	80%	0.53	2 @ 1/5	132
AE08-F-2108A	108.00	2,417	1,810	3,054	80%	0.60	2 @ 1/5	146
AE08-F-2120A	118.00	2,276	1,827	3,368	81%	0.67	2 @ 1/5	157

See sheet EP-220E for amp draws/total load requirements.
600/3/60 power supply includes an extended cabinet, See drawing AE08-F-AMB-TR.

MODEL NUMBER CONFIGURATION

AE08-F-1 036 A A-EC-CM -D-R-SA

Series	Version	# of Motors	Opening Width	Heat	Voltage	Motor Type	Berner AIR	Opt. Interconnect	Opt. Display	Material / Finish	
AE08	F	1, 2	036" - 120"	A=Ambient	A=120/1/60* B=208/1/60 J=240/1/60 V=230/1/50 W=277/1/60 A-XI=600/3/60 †	EC Motor	CM=BMS	D=Physical Data Link (daisy chain)	R=Remote Display TB=Tablet	Cabinet	Bottom Panel
										S=Stainless (std) A= Anod Alum C=Custom Color	A=Anod Alum (std) S=Stainless C=Custom Color

*Suitable for 50hz
† Add 5" to cabinet width for transformer

for Standard offering, leave options (Opt.) blank

STANDARD CONSTRUCTION

- 11" high x 23" deep
- 1/5 hp EC motor(s) - ten speeds
- Touchscreen interface with Intelliswitch™ digital controller, includes Berner AIR® BMS (smart control and BACnet & Modbus)
- Cabinet: Brushed stainless steel, grade 304
- Bottom Panel: Clear satin anodized aluminum
- Wall or Top Mounting
- High efficiency, low noise, articulating Pro-V Nozzle
- Filter (washable)

Options

- Custom Color or Stainless
- Rear cover for top mounting to conceal fasteners

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

1 motor: Min./Max. Speed: 49/55 dBA

2 motors: Min./Max. Speed: 52/58 dBA

Sound data is not AMCA certified.

Berner reserves the right to alter specifications without prior notice.



ARCHITECTURAL ELITE 8 - EC MOTORS

Ambient (Unheated) Air Curtain
Electrical Performance Sheet

120/1/60 (voltage code A) EC MOTOR AMP DRAW = 4.4 each				208/1/60 (voltage code B) EC MOTOR AMP DRAW = 2.5 each			240/1/60 (voltage code J) or 230/1/50 (voltage code V) EC MOTOR AMP DRAW = 2.5 each		
MODEL	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT
AE08-F-1036A AE08-F-1042A AE08-F-1048A AE08-F-1060A AE08-F-1072A	1	4.4	15	1	2.5	15	1	2.5	15
AE08-F-2078A AE08-F-2084A AE08-F-2096A AE08-F-2108A AE08-F-2120A	1	8.8	15	1	5.0	15	1	5.0	15

277/1/60 (voltage code W) EC MOTOR AMP DRAW = 2.2 each				600/3/60 (voltage code A-XI) XFMR 600/120 0.5kVA per MTR = 0.8 each EC MOTOR AMP DRAW = 4.4 each @ 120V		
MODEL	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT	# CKTS	AMPS PER CIRCUIT	BREAKER RATING PER CIRCUIT
AE08-F-1036A AE08-F-1042A AE08-F-1048A AE08-F-1060A AE08-F-1072A	1	2.2	15	1	0.8	15
AE08-F-2078A AE08-F-2084A AE08-F-2096A AE08-F-2108A AE08-F-2120A	1	4.4	15	1	1.6	15

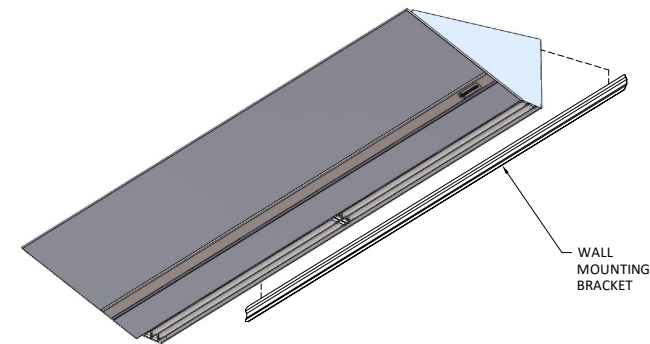
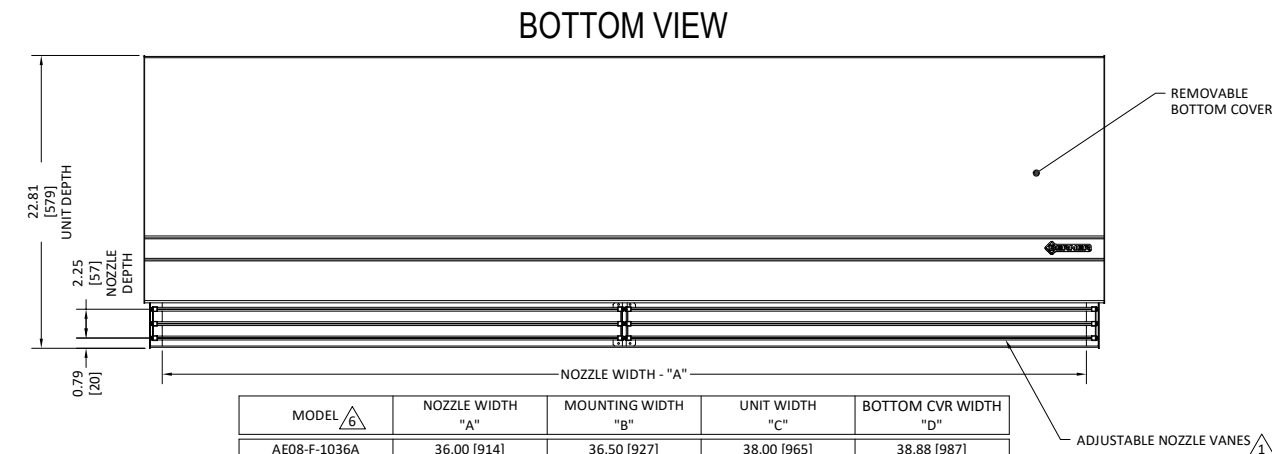
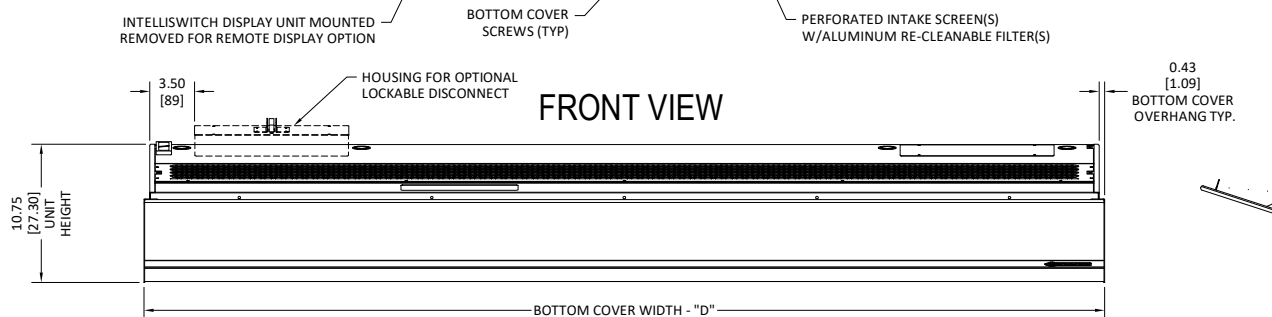
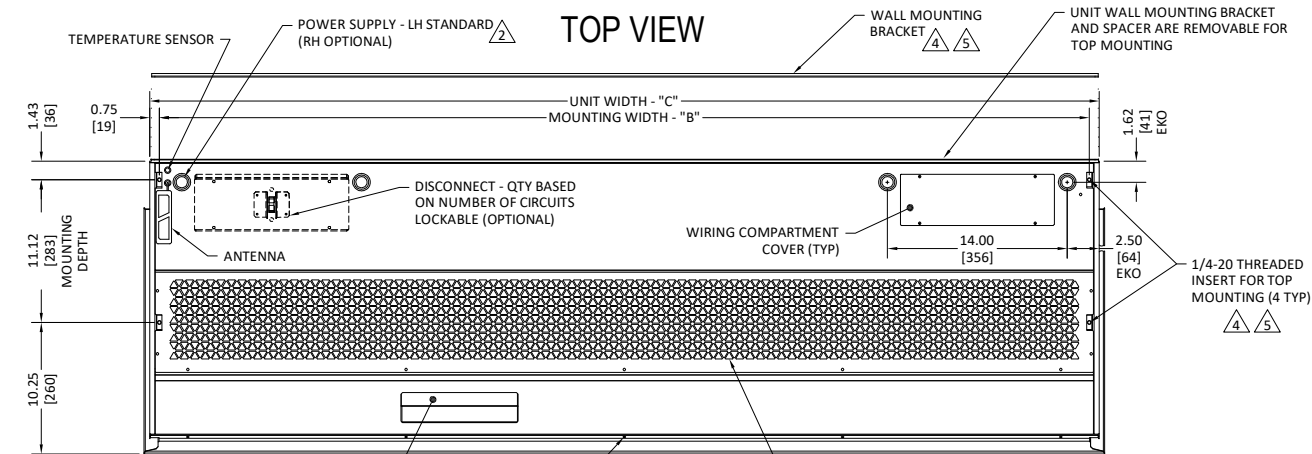
Berner reserves the right to alter specifications without prior notice.

www.berner.com **Berner International** 800.245.4455
111 Progress Ave. / New Castle / PA / 16101 / USA

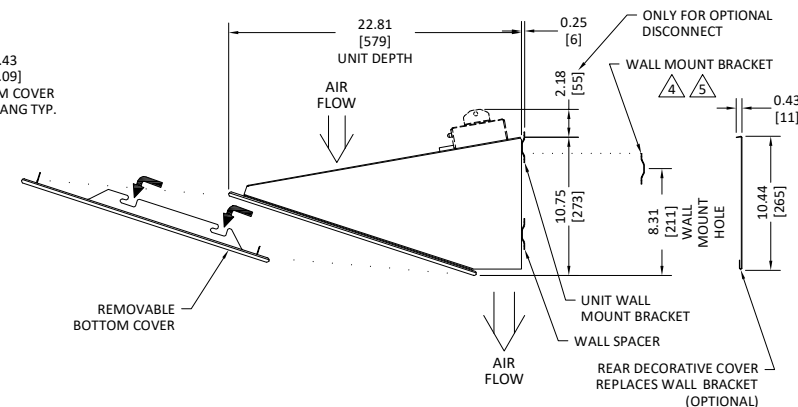
EP-220E
July, 2025

©Copyright, 2025 Berner International

AE08-F AMBIENT (UNHEATED) SYSTEM: 120 - 277V



END VIEW



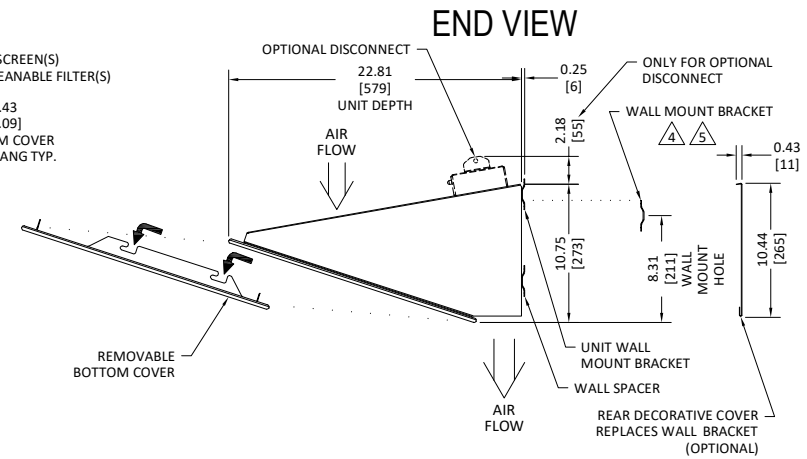
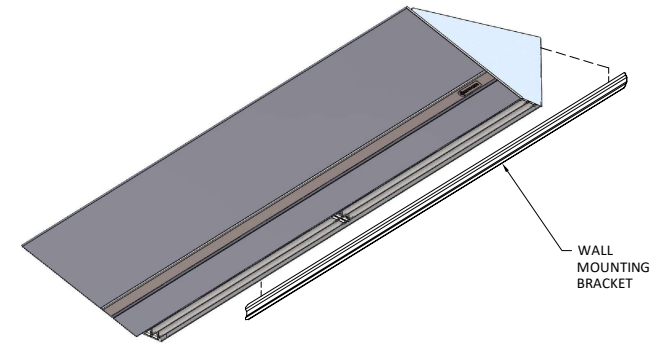
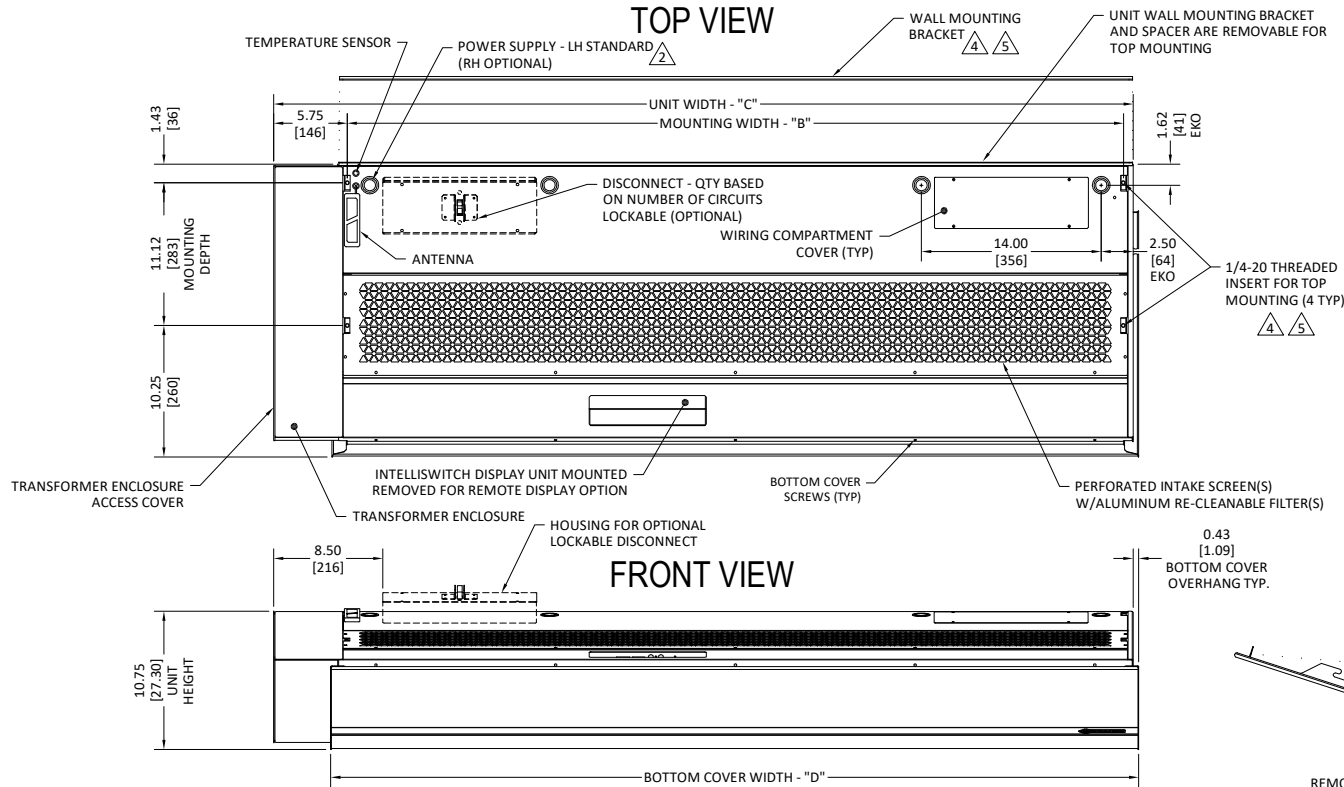
NOTES:

- 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 THE LAST CHARACTER IN THE MODEL NUMBER - "A" DESIGNATES AMBIENT (UNHEATED) UNIT.
- 7 DIMENSIONS IN INCHES [MILLIMETERS].

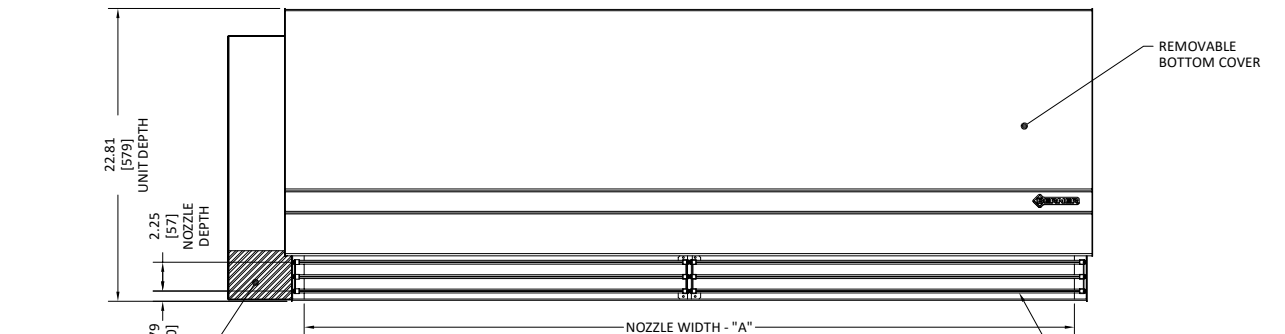
MODEL ⁶	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"	BOTTOM CVR WIDTH "D"
AE08-F-1036A	36.00 [914]	36.50 [927]	38.00 [965]	38.88 [987]
AE08-F-1042A	42.00 [1067]	42.50 [1080]	44.00 [1118]	44.88 [1140]
AE08-F-1048A	48.00 [1219]	48.50 [1232]	50.00 [1270]	50.88 [1292]
AE08-F-1060A	59.00 [1499]	59.50 [1511]	61.00 [1549]	61.88 [1572]
AE08-F-1072A	72.00 [1829]	72.50 [1842]	74.00 [1880]	74.88 [1902]
AE08-F-2078A	78.00 [1981]	78.50 [1994]	80.00 [2032]	80.88 [2054]
AE08-F-2084A	84.00 [2134]	84.50 [2146]	86.00 [2184]	86.88 [2207]
AE08-F-2096A	96.00 [2438]	96.50 [2451]	98.00 [2489]	98.88 [2512]
AE08-F-2108A	108.00 [2743]	108.50 [2756]	110.00 [2794]	110.88 [2816]
AE08-F-2120A	118.00 [2997]	118.50 [3010]	120.00 [3048]	120.88 [3070]

PROJECT		SHEET 1 OF 1	
REVISION		REV	0
LOCATION			
ARCHITECT			
ENGINEER			
DWG. NO.	AE08-F-AMB-120	TITLE:	BERNER
DATE	11NOV2024	MODEL AE08-F AIR CURTAIN 120 - 277V AMBIENT (UNHEATED) SYSTEM	
BY	D. Johnson		
REPLACES	-		
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.	

AE08-F AMBIENT (UNHEATED) SYSTEM: 600V



BOTTOM VIEW



MODEL	NOZZLE WIDTH "A"	MOUNTING WIDTH "B"	UNIT WIDTH "C"	BOTTOM CVR WIDTH "D"
AE08-F-1036AA-XI	36.00 [914]	36.50 [927]	43.00 [1092]	38.88 [987]
AE08-F-1042AA-XI	42.00 [1067]	42.50 [1080]	49.00 [1245]	44.88 [1140]
AE08-F-1048AA-XI	48.00 [1219]	48.50 [1232]	55.00 [1397]	50.88 [1292]
AE08-F-1060AA-XI	59.00 [1499]	59.50 [1511]	66.00 [1676]	61.88 [1572]
AE08-F-1072AA-XI	72.00 [1829]	72.50 [1842]	79.00 [2007]	74.88 [1902]
AE08-F-2078AA-XI	78.00 [1981]	78.50 [1994]	85.00 [2159]	80.88 [2054]
AE08-F-2084AA-XI	84.00 [2134]	84.50 [2146]	91.00 [2311]	86.88 [2207]
AE08-F-2096AA-XI	96.00 [2438]	96.50 [2451]	103.00 [2616]	98.88 [2512]
AE08-F-2108AA-XI	108.00 [2743]	108.50 [2756]	115.00 [2921]	110.88 [2816]
AE08-F-2120AA-XI	118.00 [2997]	118.50 [3010]	125.00 [3175]	120.88 [3070]

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.
- THE 12th CHARACTER IN THE MODEL NUMBER - "A" DESIGNATES AMBIENT (UNHEATED) UNIT.
- DIMENSIONS IN INCHES [MILLIMETERS].
- NO AIR FLOW AREA HOUSES TRANSFORMER. CENTER ACTIVE NOZZLE WIDTH DIMENSION "A" OVER THE OPENING.

SHEET 1 OF 1

PROJECT	REV 0	
LOCATION		
ARCHITECT		
ENGINEER		
DWG. NO.	AE08-F-AMB-600	TITLE: BERNER
DATE	11NOV2024	MODEL AE08-F AIR CURTAIN 600V AMBIENT (UNHEATED) SYSTEM
BY	D. Johnson	
REPLACES	-	
BY	-	BERNER INTERNATIONAL CORP. NEW CASTLE, PA.