

Mars Air Curtain

APPLICATION PORTFOLIO

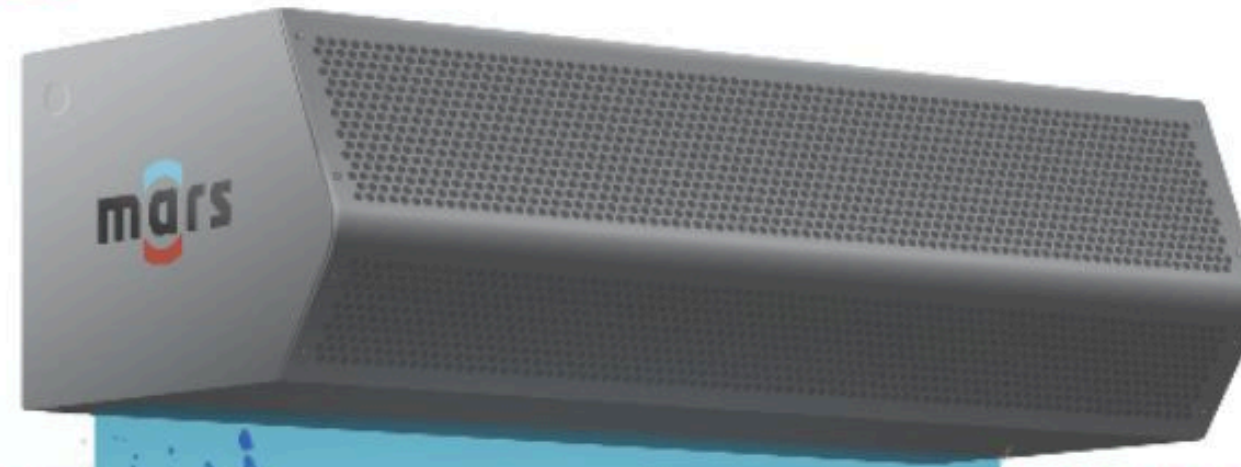


Mars Air Curtain

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mars Air Curtains



OUTSIDE

REPEL

Windborne contaminants,
debris & flying pests
through open doors

SEPARATE

Minimize air transfer
between different interior
building zones

INSIDE

INSULATE

Maintain building
temperatures when
doors are open

SANITIZE

Eliminate pathogens,
particulates, viruses
and odors at the
doorway

Architectural Air Curtain Applications



MODEL: PH10

502 MARKETPLACE | NEWPORT BEACH, CA



MODEL: QP10

ALASKA SHIRT COMPANY | JUNEAU, AK

Restaurant & Foodservice



MODEL: LPV2
CHICKEN N PICKLE | GRAND PRAIRIE, TX

Restaurant & Foodservice



MODEL: STD2
TORCHY'S TACOS | STAFFORD, TX

Restaurant & Foodservice



MODEL: LPV225
DRIVE-THRU APPLICATIONS

Restaurant & Foodservice



MODEL: LPV2
HAWKERS | DEL RAY BEACH, FL

Restaurant & Foodservice



MODEL: HV2
MOD PIZZA | ORLANDO, FL

Restaurant & Foodservice



MODEL: LPV2
FLO'S COFFEE | COEUR D'ALENE, ID

Educational Institutions



MODEL: STD2
GEORGETOWN ISD | GEORGETOWN, TX

Educational Institutions



MODEL: UVC

Transportation & Terminals



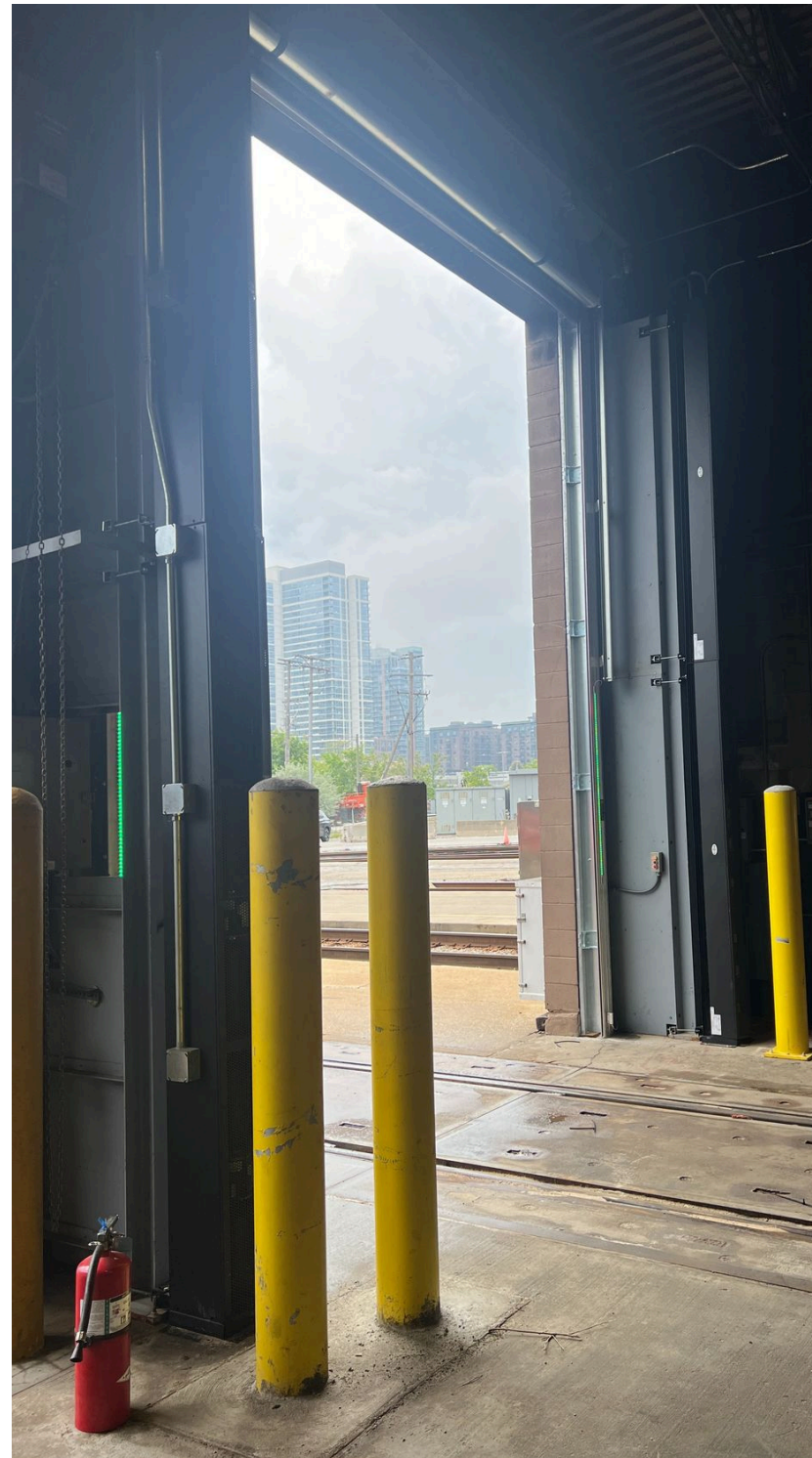
MODEL: HV2 ELECTRIC HEAT
SUBWAY | NEW YORK, NY

Transportation & Terminals



MODEL: STD2 ELECTRIC HEAT + MOTION SENSOR
ATL AIRPORT | ATLANTA, GA

Transportation & Terminals



MODEL: STD2
AMTRAC | CHICAGO, IL

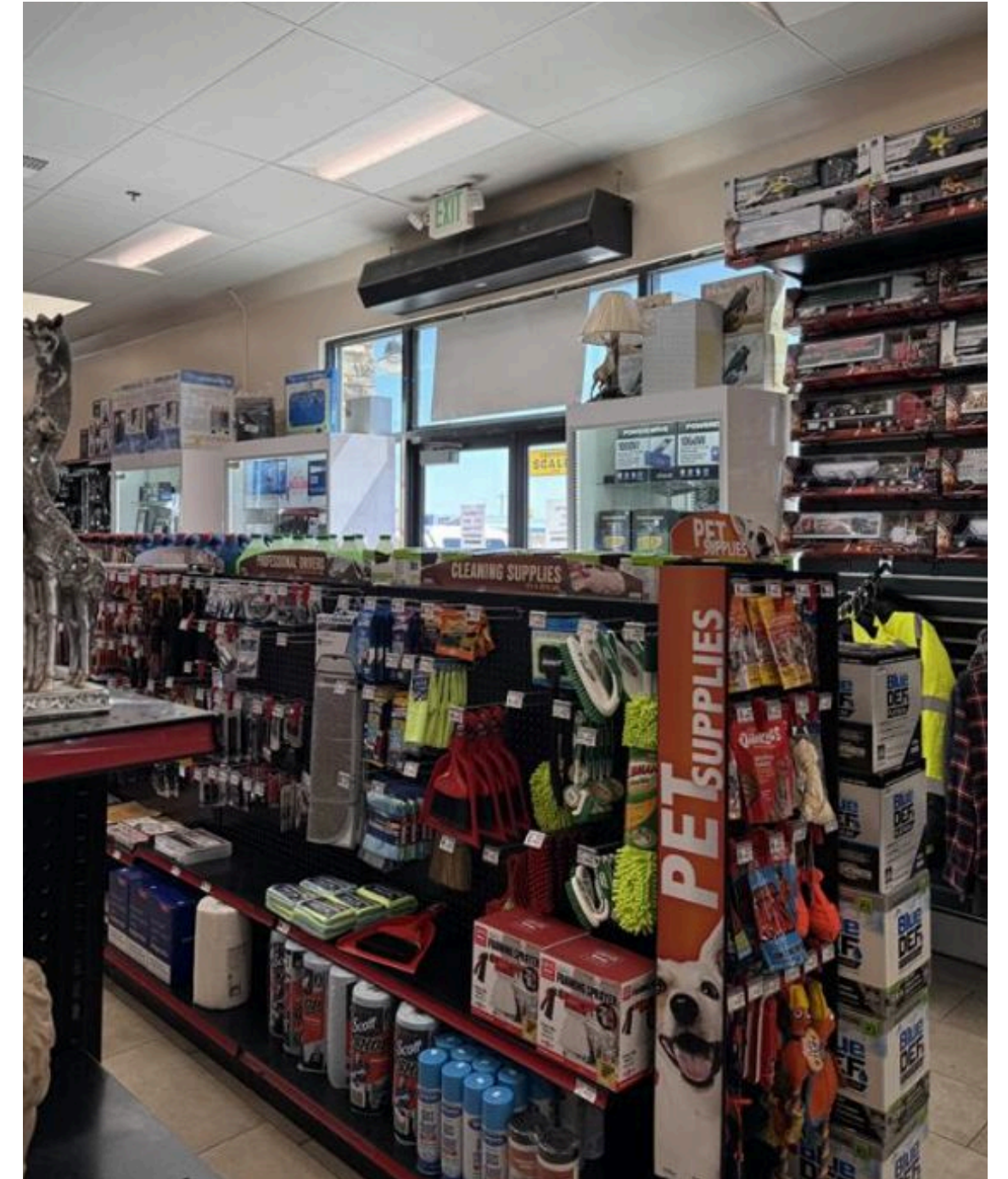
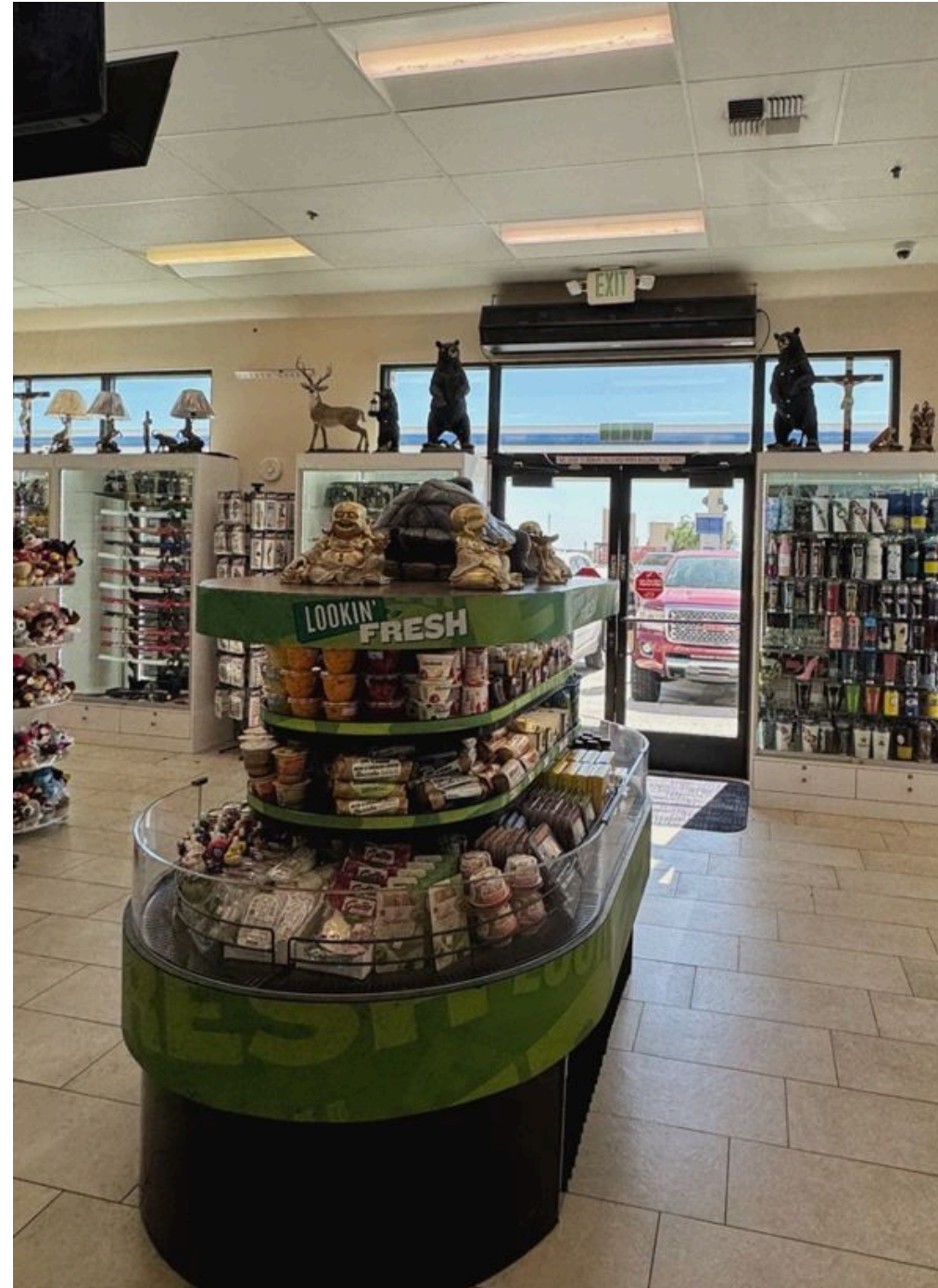
Transportation & Terminals



MODEL: STD2

PUNTA CANA AIRPORT | PUNTA CANA, DOMINICAN REPUBLIC

Convenience & Grocery Stores



MODEL: STD2
AMPM | BAKERSFIELD, CA

Convenience & Grocery Stores



GROCERY STORE APPLICATIONS
SOUTHERN CALIFORNIA

Convenience & Grocery Stores



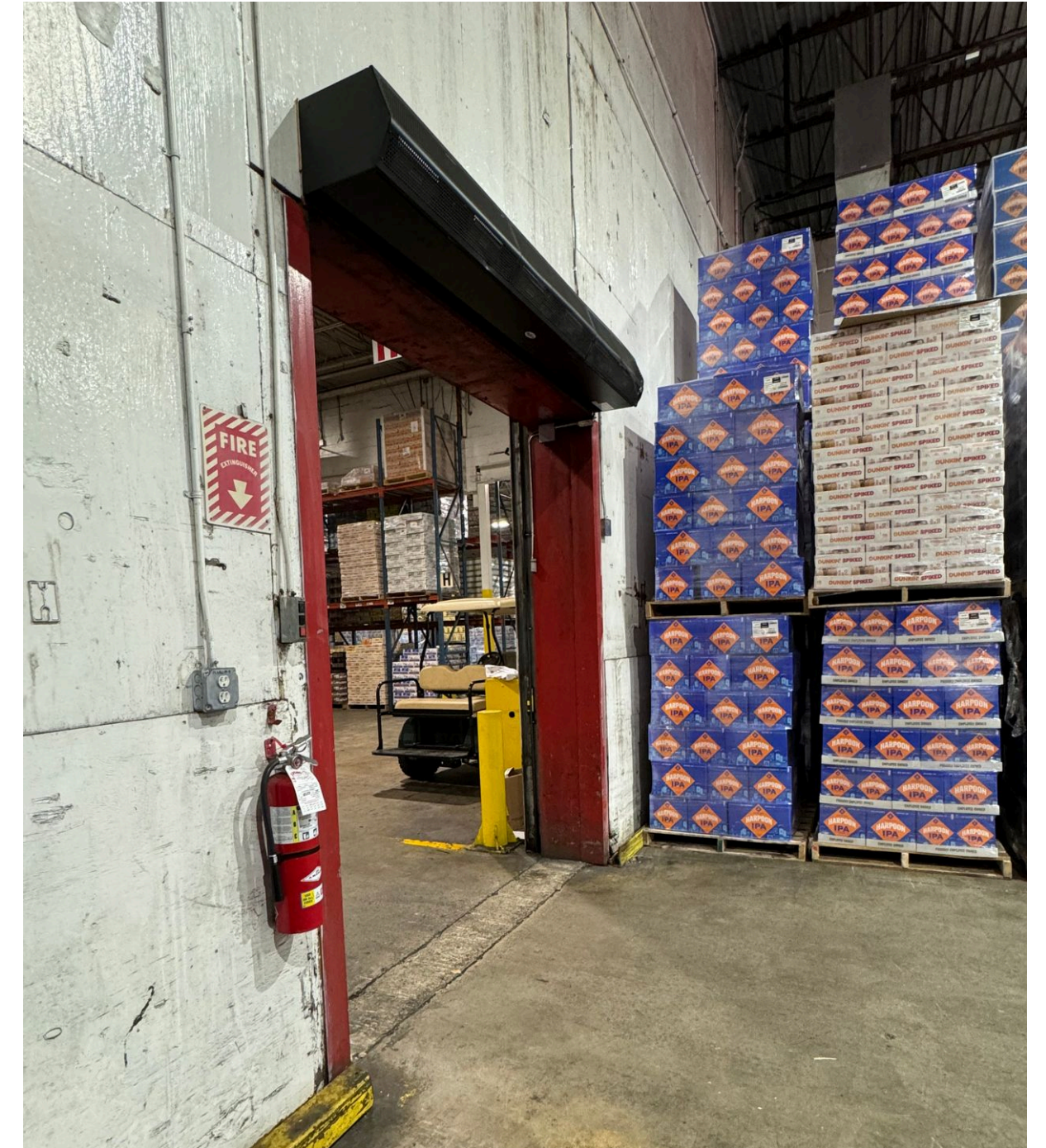
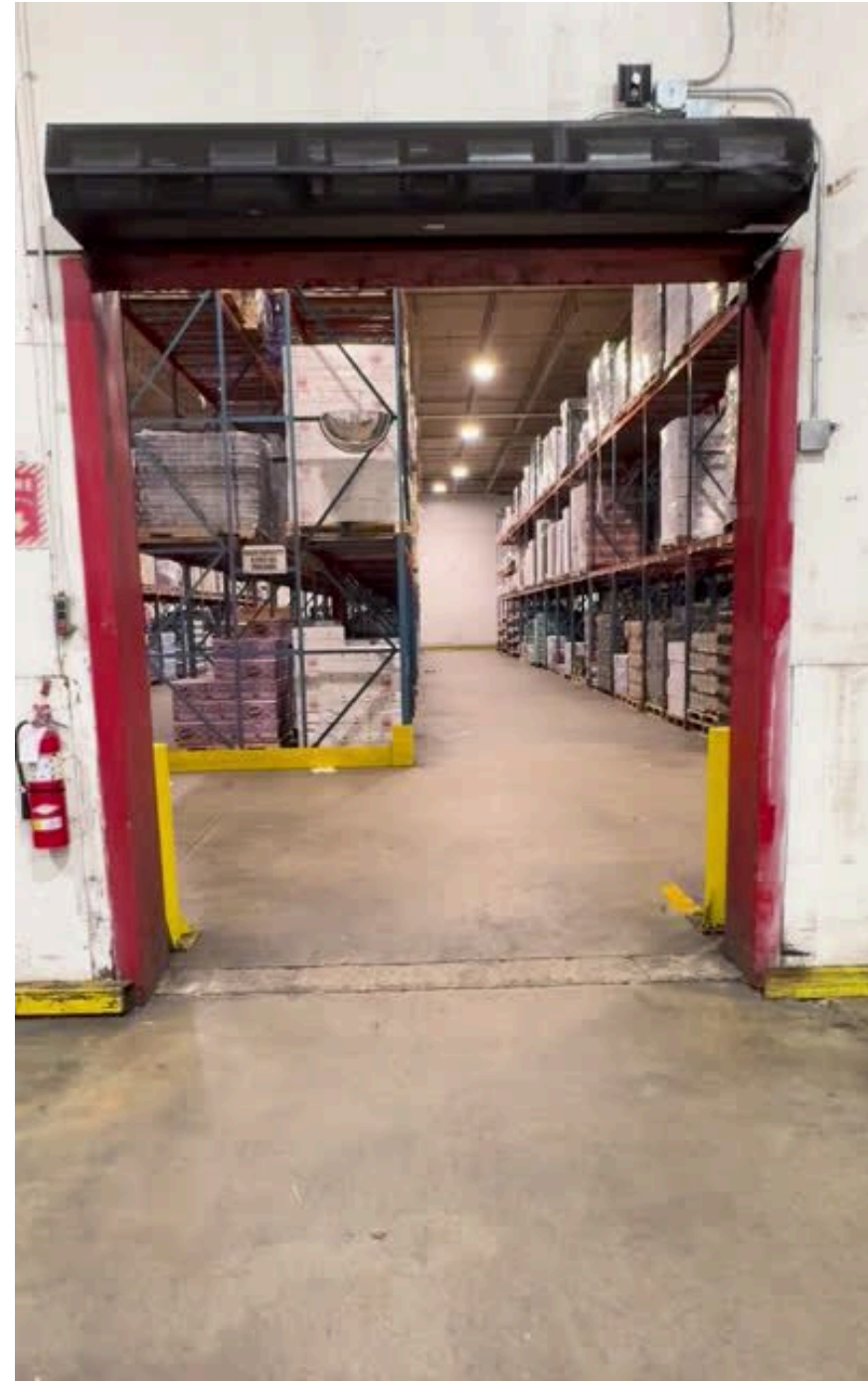
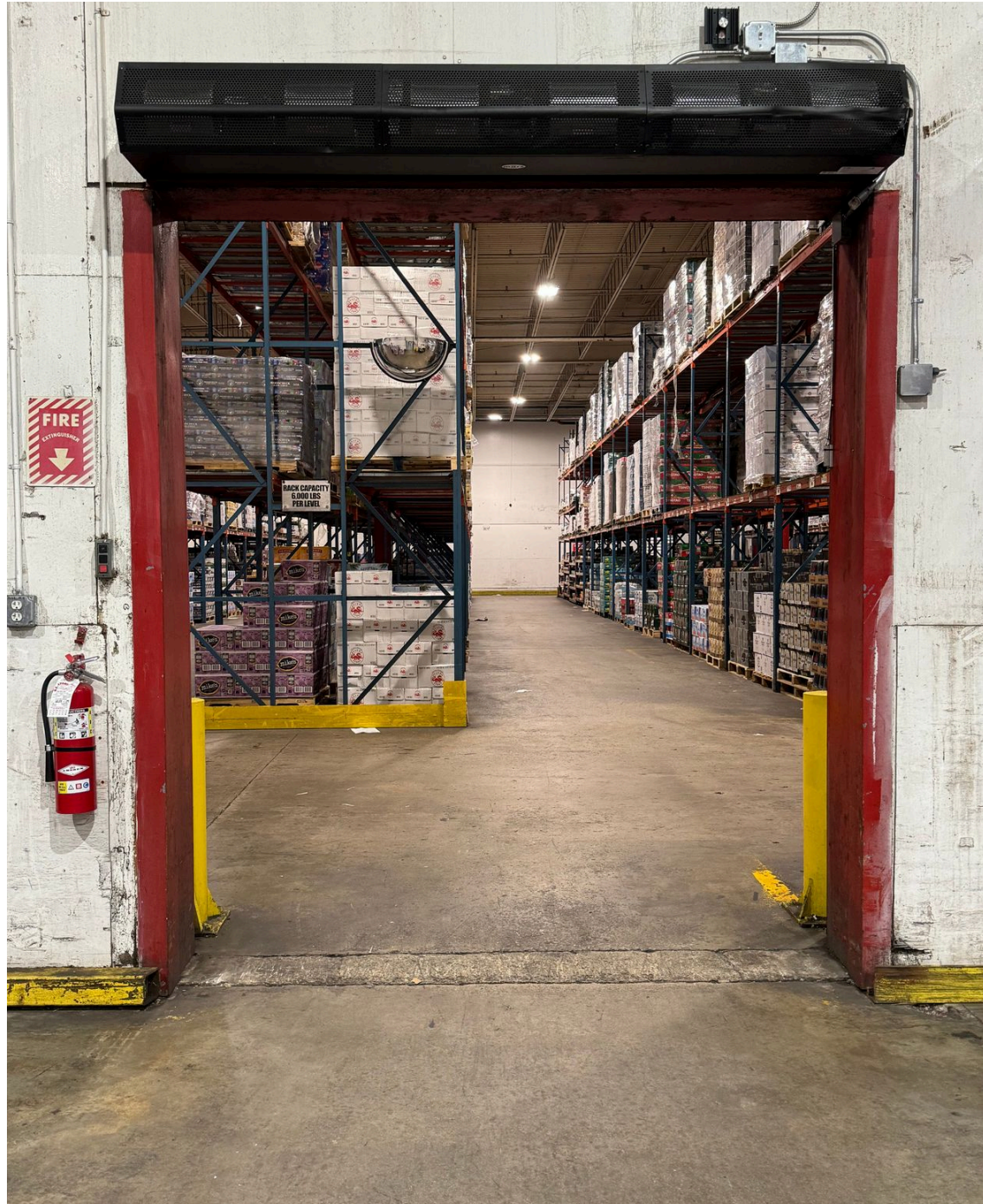
MODEL: STD272 SS
TXB GAS STATION | AUSTIN, TX

Convenience & Grocery Stores



MODEL: STD2 ELECTRIC HEAT
CIRCLE K GAS STATION | GREEN BAY, WI

Manufacturing & Distribution



MODEL: STD2
BURKE DISTRIBUTING | RANDOLPH, MASSACHUSETTS

Manufacturing & Distribution



MODEL: STD2

CAMPBELL SOUP COMPANY | NAPOLEON, OH



MODEL: WINDGUARD (BD)

FABRAL INC. | GRIDLEY, IL

Manufacturing & Distribution



MODEL: LPV2
CINTAS | MENOMONEE FALLS, WI

[CASE STUDY](#)

Manufacturing & Distribution



MODEL: HV2
AMAZON | ROMEOVILLE, IL

Manufacturing & Distribution



MODEL: WMI
KOMATSU EQUIPMENT | PEORIA, IL

Retail Applications



MODEL: LPV2

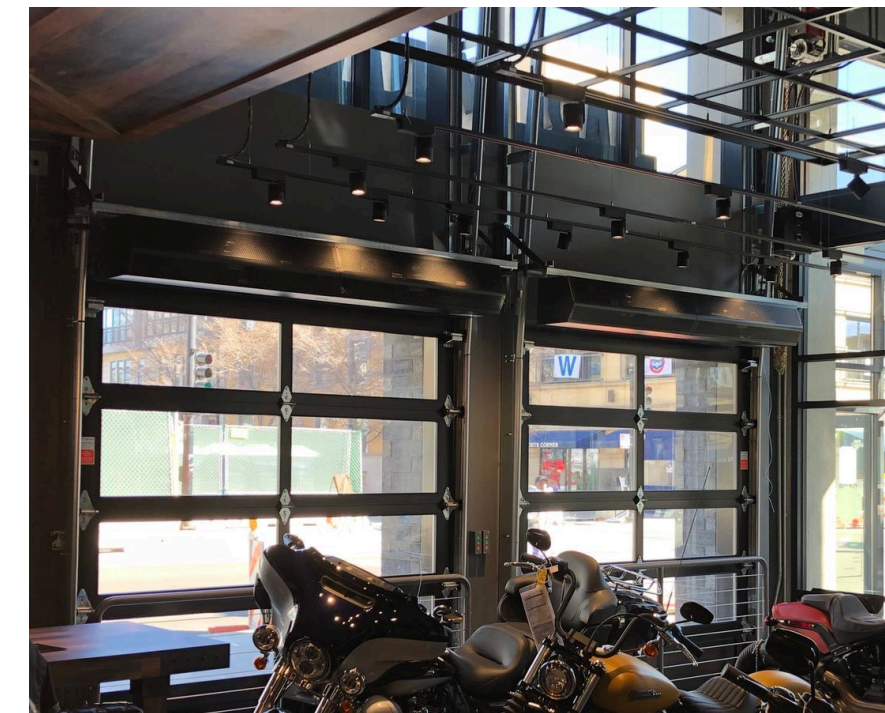
PETER JAMES PHOTOGRAPHY GALLERY | LEAVENWORTH, WA

Retail Applications



MODEL: STD2
WAG N WASH | ELKHORN, NE

Retail Applications



MODEL: STD2
HARLEY DAVIDSON WRIGLEYVILLE | CHICAGO, IL

[CASE STUDY](#)

Retail Applications

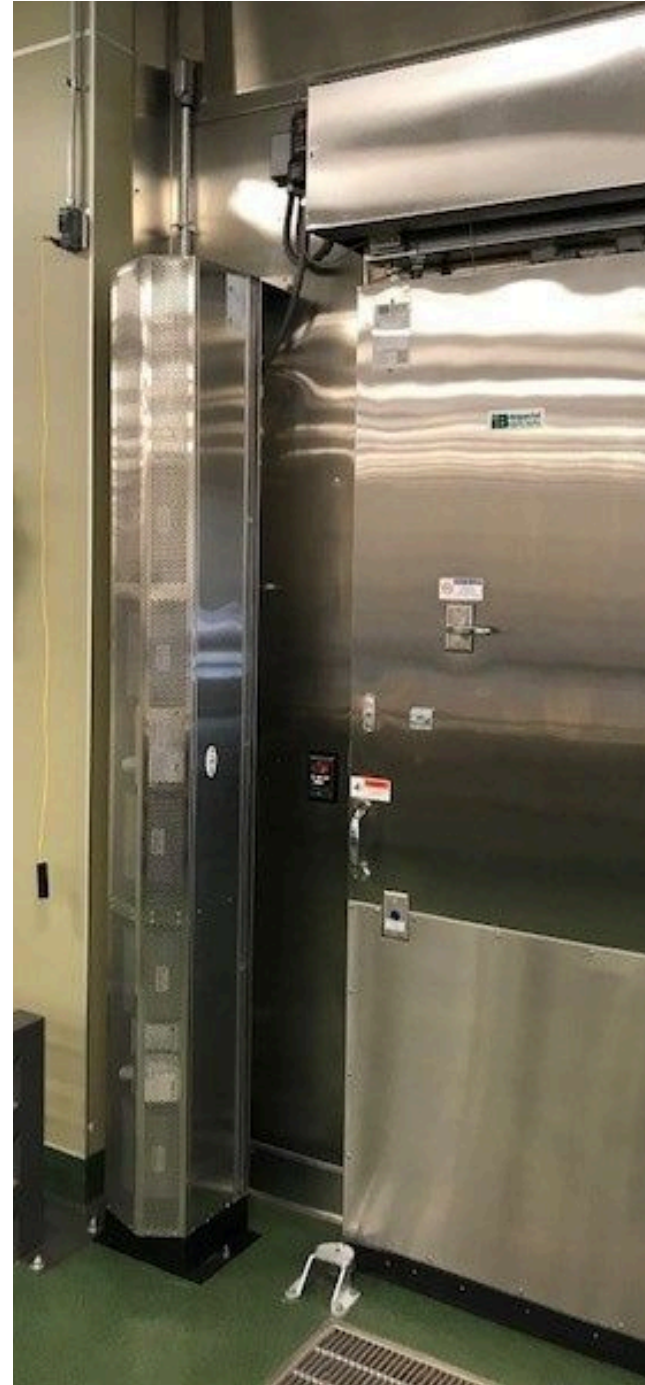


MODEL: STD2
CONTAINER STORE | OMAHA, NE

Refrigeration & Cold Storage



MODEL: NH272-2UH-TS + MCPB-2UH



MODEL: STD296-3UG-SS-WD (WASHDOWN DESIGN)



UNIFIED CENTRAL KITCHEN | SACRAMENTO, CA

Refrigeration & Cold Storage



MODEL: STD236 VHP
SENTARA ALBEMARLE MEDICAL CENTER | ELIZABETH CITY, NC

Health Care & Hospitals



MODEL: PH10
BEN TAUB HOSPITAL | HOUSTON, TX

Health Care & Hospitals



MODEL: QUIETPRO™
ABBOTT MEDICAL | ALAJUELA, COSTA RICA

Entertainment Venues



MODEL: STD2

U.S. BANK STADIUM (VIKINGS STADIUM) | MINNEAPOLIS, MINNESOTA

[CASE STUDY](#)

Automotive



Specialty Applications

(Dishwasher)



MODEL: STD2 (QUICKDRY DESIGN)
EMANATE INTER-COMMUNITY HOSPITAL | COVINA, CA

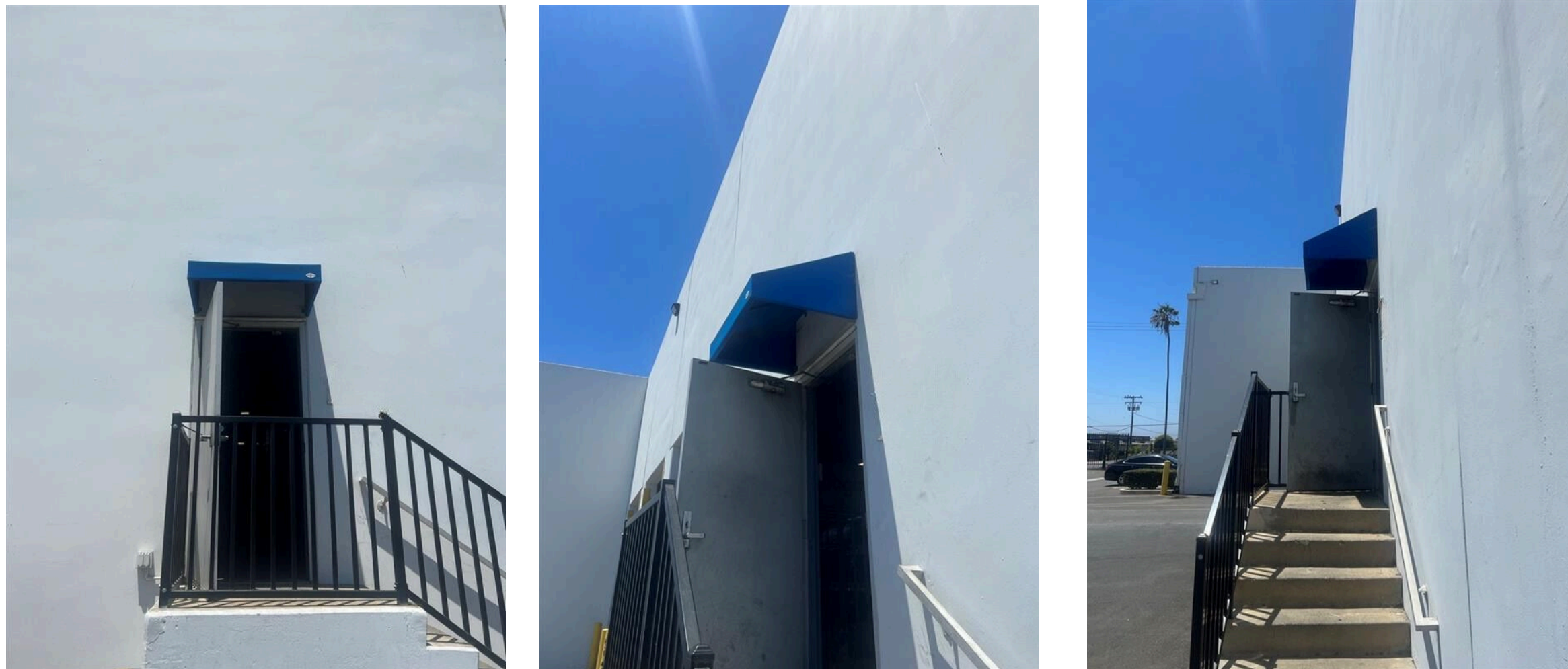
UVC Applications



MODEL: STD2 UVC
FOOD BANK CUSTOMER ENTRANCE | HOUSTON, TX

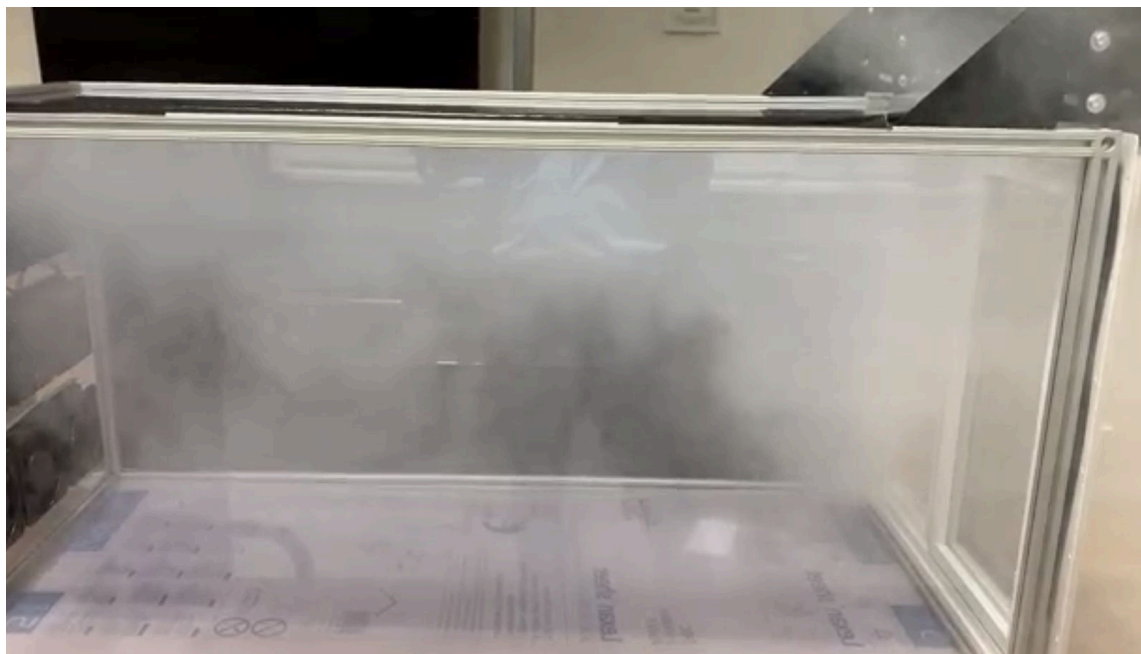
Outdoor Applications

For outdoor installations, special consideration should be given to protect the air curtain from harsh outdoor elements, such as UV sun rays, snow and rain, to help prolong its useful life.



Harsh weather protective covers are made from industrial-grade steel tubing and thick durable outdoor-rated fade and UV-resistant canvas material, the harsh weather cover minimizes the accumulation of snow, ice, and other debris in and on the top of the units.

Smoke Chamber Experiment



WITH AIR CURTAIN OFF
VIDEO DEMO OF AIR CURTAIN IN ACTION

[FULL VIDEO](#)

Smoke Chamber Experiment



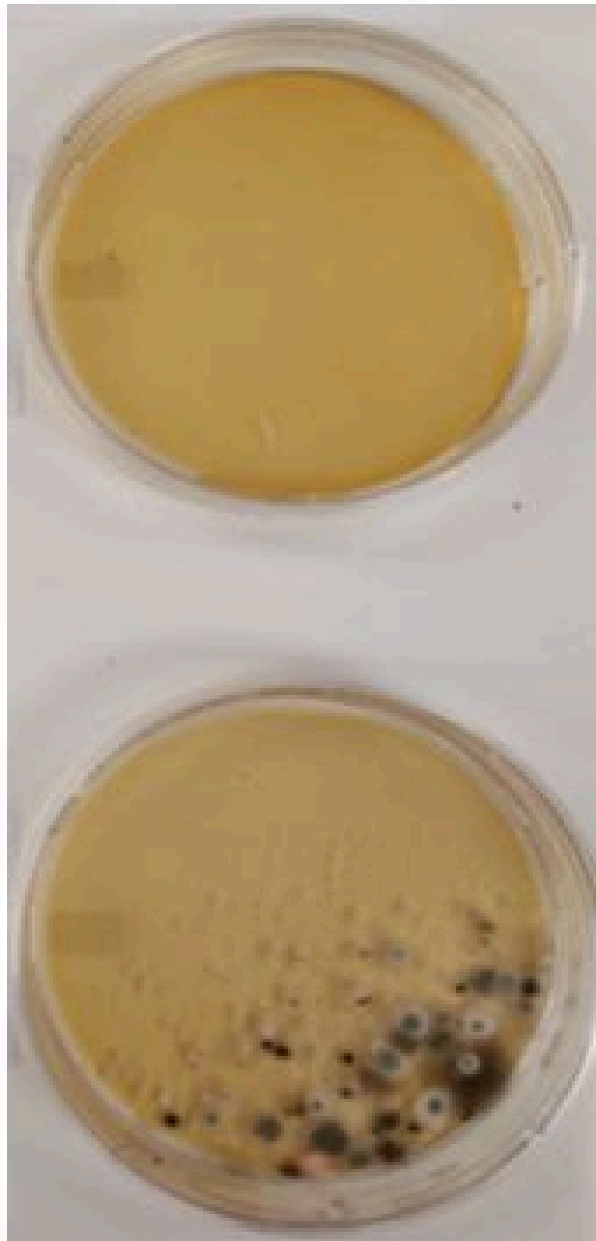
WITH AIR CURTAIN ON
VIDEO DEMO OF AIR CURTAIN IN ACTION

[FULL VIDEO](#)

Walk-in Cooler Experiment

AIR CURTAIN WITH UVC LIGHT EXTENDS THE
SHELF LIFE OF PERISHABLE FOOD

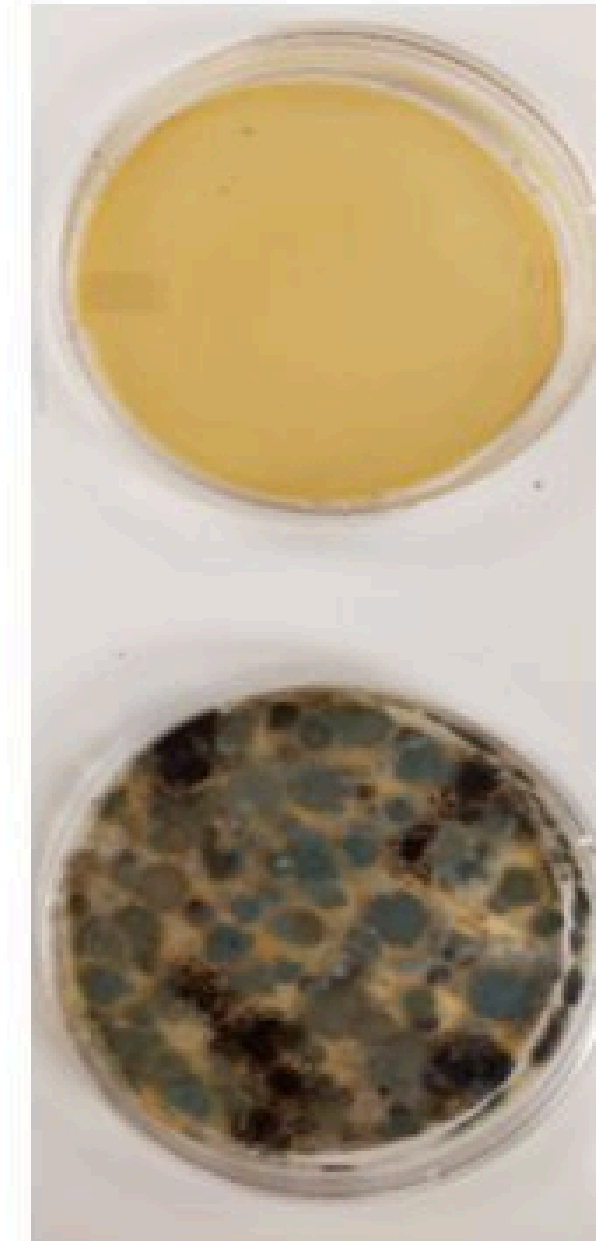
Side of Cooler



Incubation: 14 Days
UV: On

Incubation: 7 Days
UV: Off

Back of Cooler



“Maintaining Indoor-Air
Quality with Air Curtains”

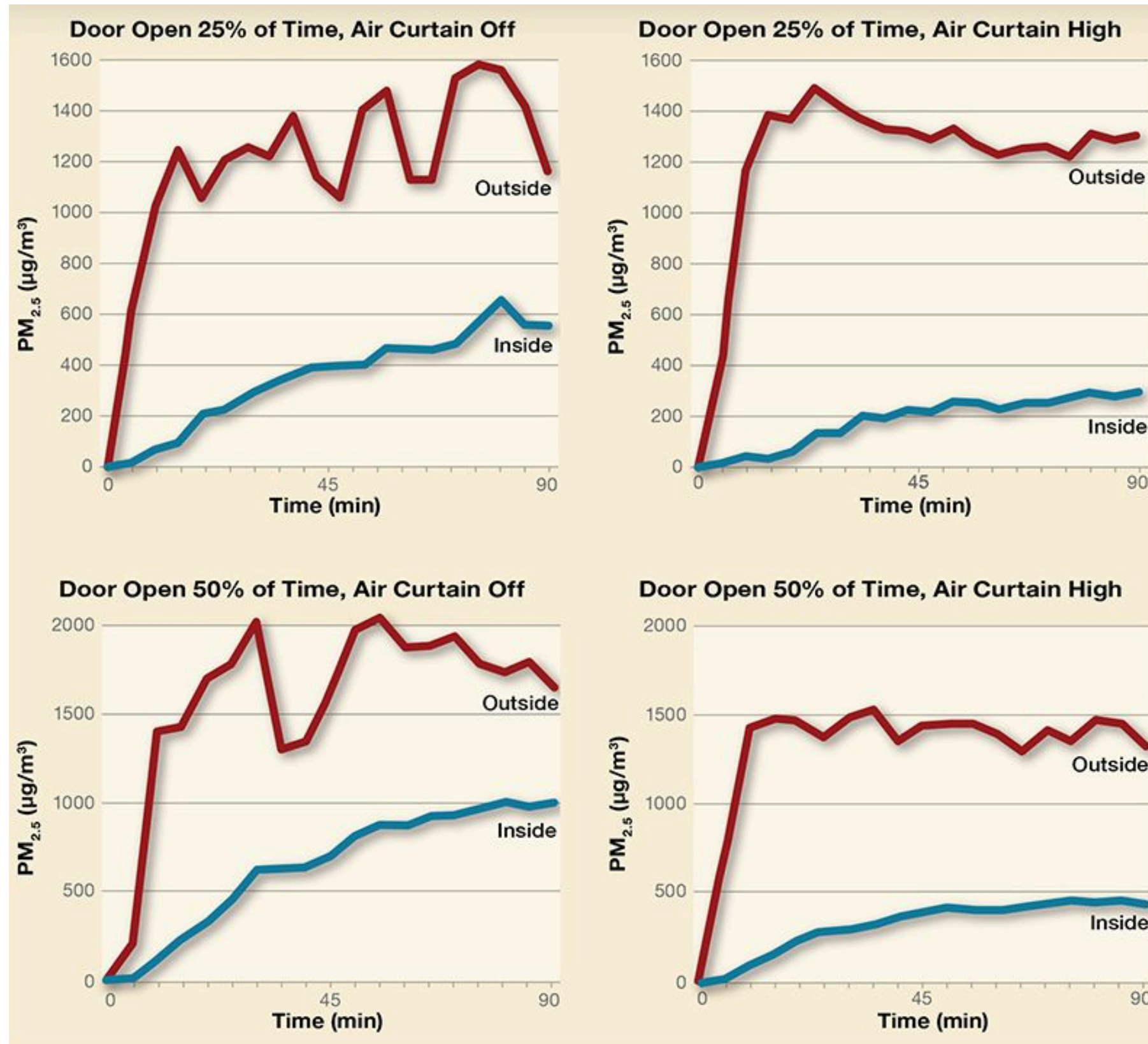


AMCA ARTICLE



Wildfire Simulation

Particulate Levels



SUMMARY OF RESULTS:
THE BLUE GRAPH SHOWS THE AIR CURTAIN'S EFFECTIVENESS IN PREVENTING THE INFILTRATION OF AIRBORNE PARTICULATES FROM ENTERING THE BUILDING (RED GRAPH).



ARTICLE

Walk-in Cooler Experiment

AIR CURTAIN WITH UVC LIGHT EXTENDS THE
SHELF LIFE OF PERISHABLE FOOD

Air Curtain with UV On



Air Curtain with UV Off



Space Temp: 75 °F
Test Duration: 4 Days



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