



WON-DOOR

FIRE & SECURITY | BY HORTON

ON THE COVER

*With over one million visitors annually, **The King Abdulaziz Center for World Culture** in Saudi Arabia is a cultural hub that TIME magazine listed as one of the world's greatest places to visit. The space functions as multiple museums, 900 seat theater, movie theater, as well as a children's zone, exhibition hall and library.*

This museum's archive is protected by one of the world's largest circular fire doors. This continuous custom curved ellipse spans over 200 feet and makes this Won-Door almost 3,000 square feet in size!





SERVING customers since 1962

PROVIDING fire and security solutions

FACILITATING design freedom

COMPLYING with building code

PROTECTING life and property

SETTING the standard



THE WON-DOOR SOLUTION



DESIGN FLEXIBILITY

- Custom Engineered with Straight & Curved Configurations
- Widths as Long as a Football Field & Heights 5x's a Standard Swing Door



CODE COMPLIANT

- NFPA & IBC Compliant and Evaluated by ICC-ES (see ESR-1394)
- Approved for Fire, Smoke, Draft, Egress & Access Control



FIRE RATED

- Fire Ratings up to 3 Hours (Tested to UL10B Standard)
- Won-Door has the Only Movable Fire Wall (tested to ASTM E119 Standard)



SECURE ACCESS

- Compartmentalize and Secure a Building in Seconds with High-Speed Options
- Integrate with New or Existing Credentialed Devices and Monitoring Systems
- Activate to Prohibit Aggressors from Entering while Allowing Emergency Egress



COST EFFECTIVE

- Reduce Sprinklers, HVAC Systems and Fire Rated Glass
- Simultaneously Meet Fire and Security Needs with One Product



ACTUAL INSTALLATION WITH WON-DOORS

AIRPORTS AROUND THE WORLD

Won-Doors are located in hundreds of airports around the globe including **Tampa Airport** (pictured here), Orlando, LAX, DFW, Newark, San Diego, Chicago O'Hare, King Abdulaziz and Guam International.

ORIGINAL PROPOSAL WITH SWING DOORS



WON-DOOR APPLICATIONS

Won-Door Fireguard is routinely specified by designers to meet all codes pertaining to egress and opening protective requirements while providing architects with total design freedom. Won-Doors can be used for numerous design applications, including:

- AREA SEPARATION
- VERTICAL OPENING PROTECTIVE
- STAIRWELL ENCLOSURES
- COMMUNICATING STAIRS
- VERTICAL EXIT ENCLOSURE
- OCCUPANCY SEPARATION
- CROSS CORRIDOR SEPARATION
- HORIZONTAL EXIT ENCLOSURE
- ELEVATOR LOBBY SEPARATION
- SMOKE AND DRAFT CONTROL
- COMPARTMENTALIZATION
- SAFE AREAS OF REFUGE
- ATRIUM SEPARATION
- STAGE PROSCENIUM PROTECTIVE



COMMUNICATING STAIRS

Wiseburn High School in LA, California has twelve Won-Doors throughout its award winning facility. This 4th story bi-parting Won-Door spans 130 feet.

OCCUPANCY SEPARATION

Comcast Headquarters in Atlanta, Georgia uses Won-Doors throughout its facility, including this 27-foot wide and 16-foot tall s-curved door.



AREA SEPARATION

Audi in Orlando, Florida uses this 64-foot long Won-Door FireGuard to help maintain the openness of the showroom while still meeting all fire codes.





VERTICAL EXIT ENCLOSURES

◁ **Intermountain Healthcare** in Layton, Utah used 14 Won-Doors throughout their facility, including these five, 55-foot long Won-Doors with custom curves configured for rapid opening to help architects get the needed additional egress required by code.



CROSS CORRIDOR SEPARATION

Hazel Wolf Elementary in Portland, Oregon, utilizes the flat lead post option to minimize pocket spaces and removes the need for pocket cover doors.



VERTICAL OPENING PROTECTIVE

Renaissance Hotel in Dallas, Texas used this Won-Door to create a large unobstructed passage in this 22-foot wide and 20-foot tall opening.

R
RENAISSANCE
HOTELS

COMMON *LOCATIONS*

Won-Door products are utilized in many different project types around the world where you'll likely find us protecting the nearest school or city's tallest high-rise, including the Empire State building and Willis Tower (formerly Sears Tower).

- EDUCATION
- HOSPITALS & MEDICAL FACILITIES
- COMMERCIAL BUILDINGS
- PLACES OF WORSHIP
- MULTI-RESIDENTIAL & HOTELS
- SHOPPING CENTERS
- CASINOS & CONVENTION CENTERS
- CULTURAL CENTERS
- HIGHRISE & MULTI-USE BUILDINGS
- GOVERNMENT FACILITIES
- THEATERS
- STADIUMS & ATHLETIC FACILITIES
- AIRPORTS



HIGH-RISE

The tallest building west of the Mississippi, **Wilshire Grand** in Los Angeles, incorporated 25 Won-Doors into its open and elegant design.





HOSPITALS

John's Hopkins Hospitals, Mayo Clinics, and the **Children's Hospital of Philadelphia** (pictured here), are just a few of the tens of thousands of hospitals and medical facilities around the world utilizing Won-Doors to create expansive and free flowing corridors.





HOTELS

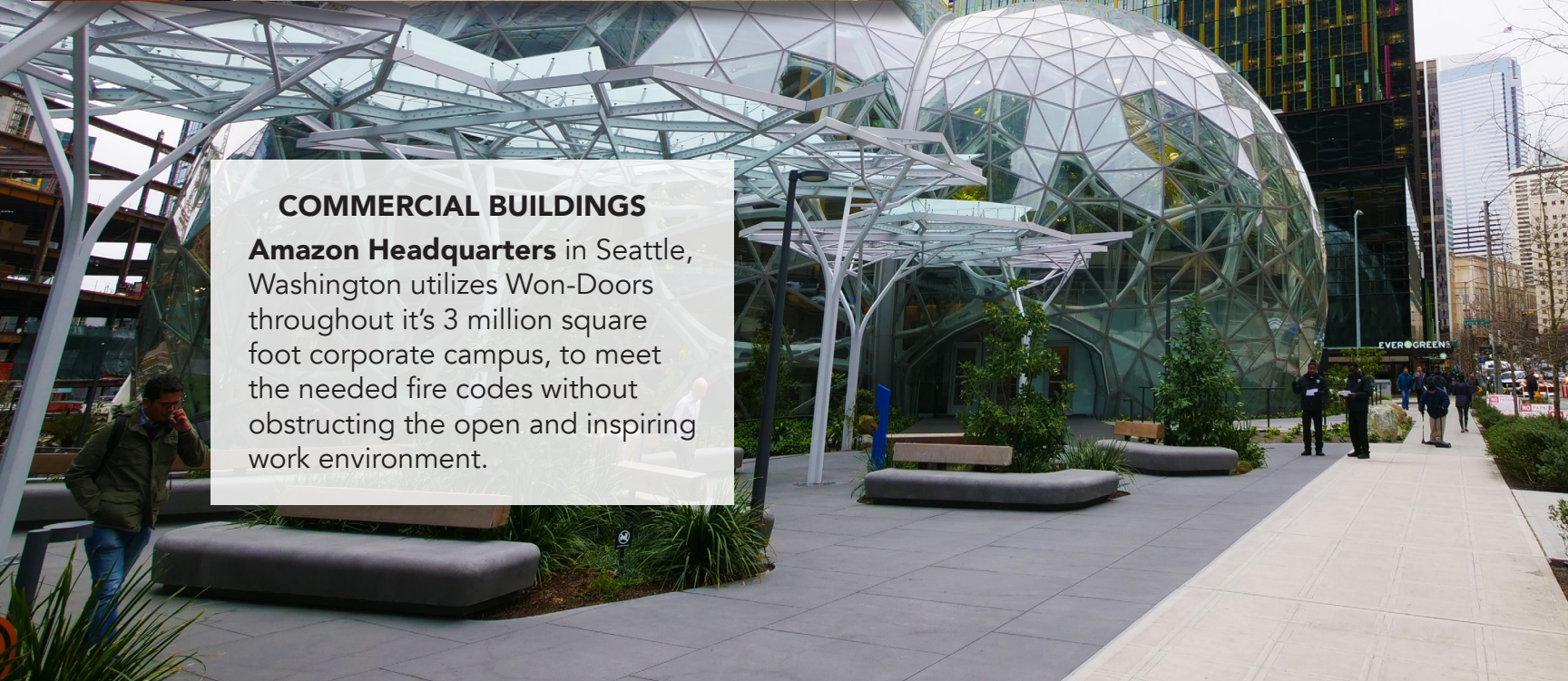
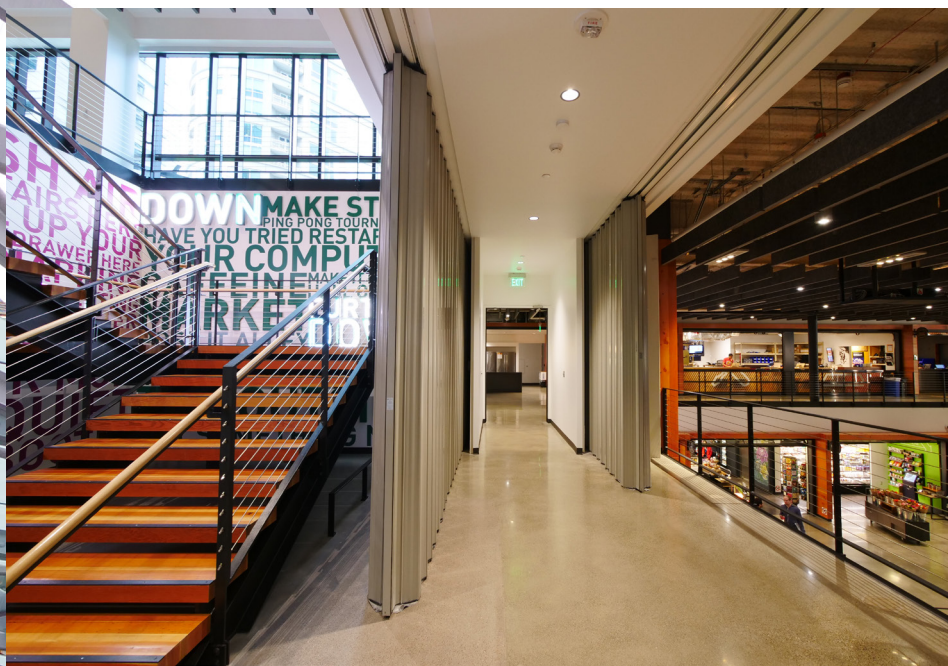
Singapore's remarkable 8 billion dollar **Marina Bay Sands Hotel and Convention Center**, uses over 11,000 square feet of Won-Doors averaging over 290 square feet per opening to help accommodate the movement of hundreds of thousands of guests annually. Won-Doors can be found in most hotel chains around the globe including Marriott Properties, Hyatt Hotels, Hiltons, Omni Resorts, Holiday Inns and many more.





CASINOS

Won-Doors are designed with special attention to creating large open spaces. From the MGM Grand in Las Vegas to this **Studio City Hotel and Convention Center** in Macau, Won-Doors can be found in virtually every casino and gaming facility.



COMMERCIAL BUILDINGS

Amazon Headquarters in Seattle, Washington utilizes Won-Doors throughout its 3 million square foot corporate campus, to meet the needed fire codes without obstructing the open and inspiring work environment.



SCHOOLS

Saudi Arabia's **Princess Nora University**, the largest university in the world dedicated solely to women, incorporates over 100 Won-Doors throughout its expansive facility. Won-Door fire and security products can be found in over 1,600 universities and tens of thousands of K-12 facilities.



FIRE SAFETY



MEANS OF EGRESS

The Won-Door FireGuard is the only horizontal sliding fire door approved for use in a means of egress in place of swinging fire doors with no occupant load restrictions and are approved in all but H-Occupancies (Hazardous). Won-Doors are fully compliant with **NFPA and IBC** requirements and are evaluated by **ICC-ES (see ESR-1394)** for fire resistance, smoke and draft control, access control, fire, smoke and movable fire wall ratings. For more info visit wondoer.com/codes.



SAFE AND ACCESSIBLE

The **University of Florida** used Won-Door FireGuard doors (left) instead of swinging doors (below) to keep stairwells more open and accessible, even in a fire emergency.

DESIGN FREEDOM

AMC Theaters repeatedly use Won-Doors to keep cinema advertisements and featured movies visible to all their patrons, while protecting the building from smoke and fire, as seen in this 93-foot wide and 28-foot tall Won-Door.



SECURITY SOLUTIONS

HIGH SPEED

Compartmentalizes and hardens buildings in seconds while still meeting ADA requirements and allowing for safe and secure passage.

ACCESS CONTROL

Limits access after hours or in emergencies at the push of a button. Connects to external peripheral devices such as a keypad, card reader or fingerprint scanner. Blocks sight lines and keeps out unwanted intruders.

CODE COMPLIANT

Meets the **NFPA and IBC** requirements for use in a means of egress (**see ESR-1394**). Prohibits aggressors from entering while still allowing for emergency egress out. Visit wondoor.com/codes for more information.





AFTER HOURS

△ The newly renovated **Boston Garden**, home of the Celtics has ten Won-Doors protecting its patrons during events and after hours. Won-Door products can be integrated seamlessly with new or existing building security and fire alarm systems.

EMERGENCIES

The new **Sandy Hook** incorporated Won-Door products for both their fire and security needs and was one of the first to request the ability to lock down and compartmentalize at the push of a button. Now, hundreds of schools have utilized the same technology to help keep their students safe.



RETROFIT

PENTAGON

The **Pentagon** had 38 Won-Doors at the time of the devastating attacks on September 11, 2001. The

amazing performance of these doors in stopping the spread of smoke and fire throughout the facility saved numerous lives and helped protect and preserve the building. The **Pentagon** continues to expand its use of state-of-the-art protection and now incorporates over 150 Won-Doors throughout the expansive facility.





ROSE SPRINGS

Rose Springs Elementary School, recently retrofitted its facility by adding 15 Won-Door security doors and integrated them into their existing cameras and building controls. These security doors provide invisible but powerful protection by barring entry to the school at the push of a button, and even compartmentalizes it into zones, keeping students and faculty safe and secure while providing invaluable time for first responders to arrive.

PERIMETER CHURCH

Perimeter Church in Atlanta, Georgia used these three large Won-Doors to replace the exterior walls of the original structure, seamlessly adding 9,000 square feet of ancillary space, giving it's 5,000 patrons easy access to the new school, day care, bookstore and cafe.



VALUE *ENGINEERING*

- REDUCE CONSTRUCTION COST
- ELIMINATE THE NEED FOR ADDITIONAL STAIRWELLS
- INCREASE LEASABLE SPACE
- MINIMIZE SPRINKLER REQUIREMENTS
- USE IN LIEU OF BANKS OF SWINGING DOORS
- SAVE ON SURROUNDING CONSTRUCTION & HARDWARE
- LOWER MAINTENANCE COSTS
- ELIMINATE CLEANING AREAS FOR GERM AND VIRUS CONTROL





WIDE OPEN - FOR LESS

Won-Door takes a corridor that would otherwise be filled with banks of swinging doors and creates a more architecturally open and secure design, eliminating bottlenecking and other points of contention with less contact surfaces to sanitize. Won-Door can do all of this and more for less money.

FIRE RATED GLASS

Using Won-Door in lieu of fire-rated glass can lead to dramatic savings on a project when used together with standard tempered glass or with no glass at all.





ATRIUMS

Won-Door Fireguard doors meet the fire separation requirements between adjacent spaces. By adding Won-Doors shown here, this atrium becomes a shaft, eliminating costly increases to the needed fire sprinklers and smoke evacuation systems.



ELEVATOR LOBBY

There are multiple ways to save money using Won-Doors for elevator applications while still enhancing the aesthetics of the space. Won-Door can be far less expensive when replacing multiple sets of individual elevator smoke and draft solutions and can also be used to reduce adjacent corridor widths to help maximize the leasable space of the surrounding rooms.





PROJECT

JFK's 1960's Era TWA Terminal was converted into
the revitalized TWA Hotel & Convention Center...

HIGHLIGHT



Image courtesy of TWA Hotel



...and used these custom designed Won-Doors to seamlessly unite the new and the old as well as this expansive 850 square foot opening in the new stylish conference center.



PROJECT *HIGHLIGHT*

CHEVRON

The **Chevron** building is one of the most recognizable skyscrapers on the Houston, Texas skyline and was recently remodeled to include a circular skywalk connecting the adjacent building and a parking garage across the street.



The creative use of Won-Doors at each of the buildings' openings was used to satisfy code requirements and protect all three of the adjoined structures.





GLOBE LIFE FIELD

What will the new home of the **Texas Rangers** MLB team have in common with its previous stadium? Won-Doors. Performing so well at the adjacent Globe Life Park, the new **Globe Life Field** was designed with 3 times as many Won-Doors.



MERCEDES BENZ STADIUM

NFL's **Atlanta Falcons** stadium uses 13 Won-Doors to keep players and fans safe while creating virtually unencumbered access throughout the facility with openings big enough for large trucks and equipment to pass through.



PROJECT
HIGHLIGHT



PROJECT *HIGHLIGHT*

Bathing this atrium and open corridors above in natural light would have been an expensive and almost impossible design challenge without Won-Door. The two 61-foot long Won-Doors on the right and the additional 18-foot long and 21-foot long Won-Doors on the left not only add



contrast to the space looking up, but easily follow the corners and curves of its intended design. This new addition is just one of the many buildings throughout **Brown University** that rely on Won-Door to protect and enhance the learning experience.



DESIGN FREEDOM WITH WON-DOOR

The Won-Door FireGuard system replaces traditional solutions in virtually all means of egress applications. Our doors make use of the latest fire and security technology and are continually tested to today's rigorous building code requirements.

For the interactive, digital version of this brochure visit:
wondoor.com/brochure

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For any questions, email us at:
Sales: sales@wondoor.com
Customer Service: custservice@wondoor.com
Installation: install@wondoor.com
Service: service@wondoor.com

Or call us at:
(800) 453-8494



ON THE BACK COVER

The **Petersen Auto Museum** in Los Angeles underwent a 90-million-dollar renovation in 2015. The steel ribbons wrapped around the building are meant to give the appearance of speed and motion. Several Won-Doors were added during the remodel to complement the existing Won-Doors that had already been in the building for 20 years. Its unique and memorable building design won the American Architecture Award in 2017.



IT'S NOT WHAT YOU SEE...IT'S WHAT YOU DON'T SEE.



PETERSEN
AUTOMOTIVE MUSEUM

Admission

	Adult	Child
Regular	\$25.00	\$12.50
Student	\$12.50	\$6.25
Senior (65+)	\$12.50	\$6.25
Family (2 adults, 2 children)	\$75.00	\$37.50
Group (10+)	\$20.00	\$10.00
Member	\$10.00	\$5.00
Preschool (3-5)	\$5.00	\$2.50
Preschool (6-11)	\$7.50	\$3.75
Preschool (12-17)	\$10.00	\$5.00
Preschool (18-24)	\$12.50	\$6.25
Preschool (25-34)	\$15.00	\$7.50
Preschool (35-44)	\$17.50	\$8.75
Preschool (45-54)	\$20.00	\$10.00
Preschool (55-64)	\$22.50	\$11.25
Preschool (65+)	\$25.00	\$12.50

Member & Admission Fees

	Adult	Child
Regular	\$25.00	\$12.50
Student	\$12.50	\$6.25
Senior (65+)	\$12.50	\$6.25
Family (2 adults, 2 children)	\$75.00	\$37.50
Group (10+)	\$20.00	\$10.00
Member	\$10.00	\$5.00
Preschool (3-5)	\$5.00	\$2.50
Preschool (6-11)	\$7.50	\$3.75
Preschool (12-17)	\$10.00	\$5.00
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Preschool (25-34)	\$15.00	\$7.50
Preschool (35-44)	\$17.50	\$8.75
Preschool (45-54)	\$20.00	\$10.00
Preschool (55-64)	\$22.50	\$11.25
Preschool (65+)	\$25.00	\$12.50

Member and
pre-purchased
admission

