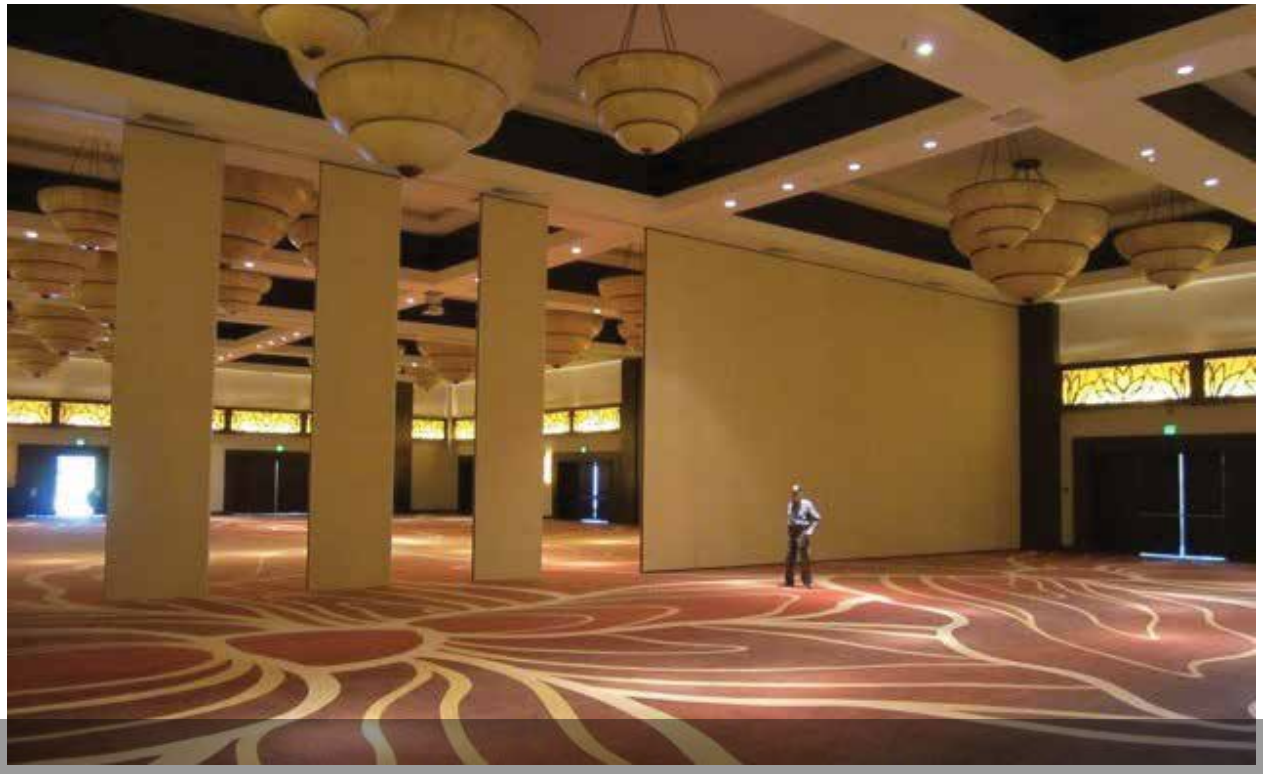
advanced equipment®

CORPORATION

Established 1957

WORLD CLASS® OPERABLE WALLS



Engaging in the design, manufacture, installation and service of operable walls for over 50-years. Advanced Equipment Corporation is the most senior Company Currently producing this product in the USA.

Advanced Equipment has designed and built special purpose equipment that allows it to produce welded steel panels of large size and with exceptional precision and quality.

AEC utilizes physical testing to confirm design performance and produces operable walls with the strength to resist forces generated by earthquakes thus insuring the Public's Safety.

The all welded, all steel construction enables AEC to offer a 10-year limited warranty for the ALPHA® panel. This panel provides superior, field-tested, sound stopping performance, incombustible construction and durability in a wall that is easy to operate.

AEC ALPHA® panels are designed to last the life of your building with minimal maintenance cost.

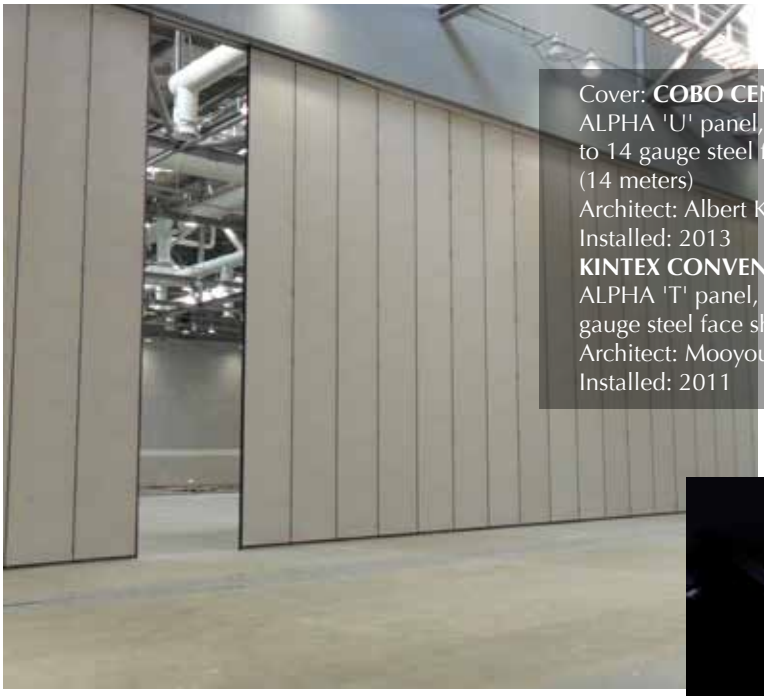
Dedicada al diseño, manufactura, instalación y servicio de muros operables por más de 50-años, Advanced Equipment Corporation es la empresa con más experiencia actualmente, fabricando este producto en los Estados Unidos.

Advanced Equipment diseña y desarrolla maquinaria especial con el propósito de producir páneles de acero soldados de gran tamaño y con excepcional presición y calidad.

AEC utiliza pruebas físicas que confirman la eficiencia del diseño de nuestros productos y produce muros operables con la fortaleza de resistir fuerzas generadas por terremotos, por lo tanto, cubre la seguridad pública.

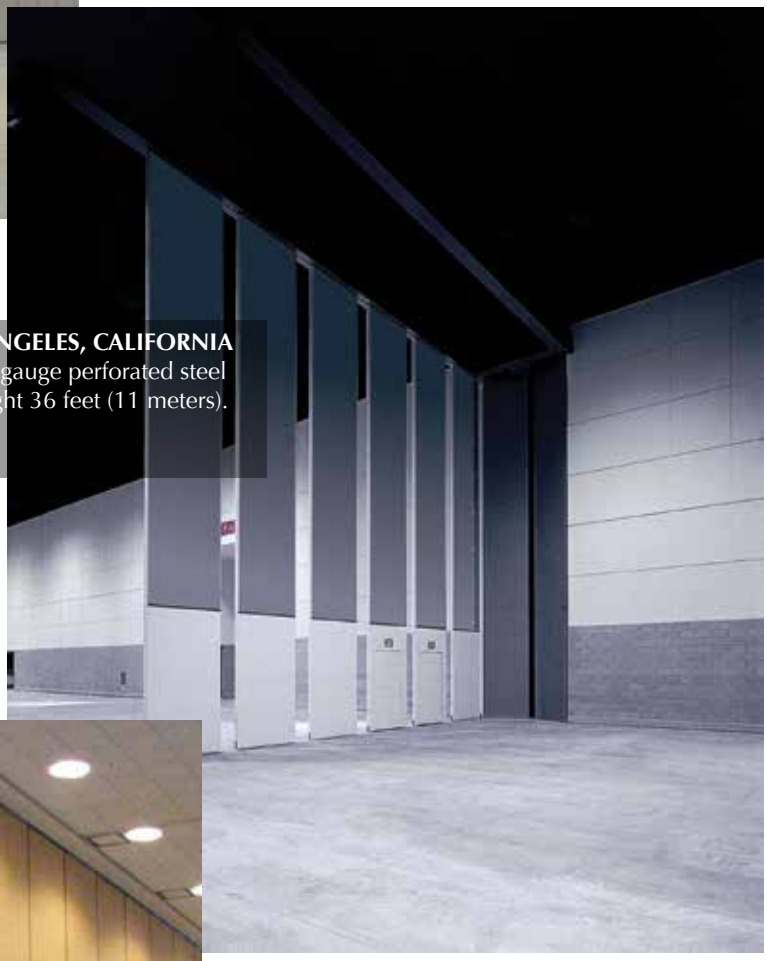
La construcción totalmente de acero soldado, permite a Advanced Equipment ofrecer una garantía de 10 años para el panel ALPHA®, el cual ofrece superioridad, pruebas de acústica en campo, construcción incombustible y durabilidad en un muro que es de sencilla operación.

AEC ALPHA® son diseñados para la vida útil de su edificio, con el mínimo costo de mantenimiento.



Cover: **COBO CENTER, DETROIT, MICHIGAN**
ALPHA 'U' panel, 14 gauge steel face sheets robotically fusion welded to 14 gauge steel frame members, manual operation. Height 45' - 11" (14 meters)
Architect: Albert Kahn & Associates
Installed: 2013

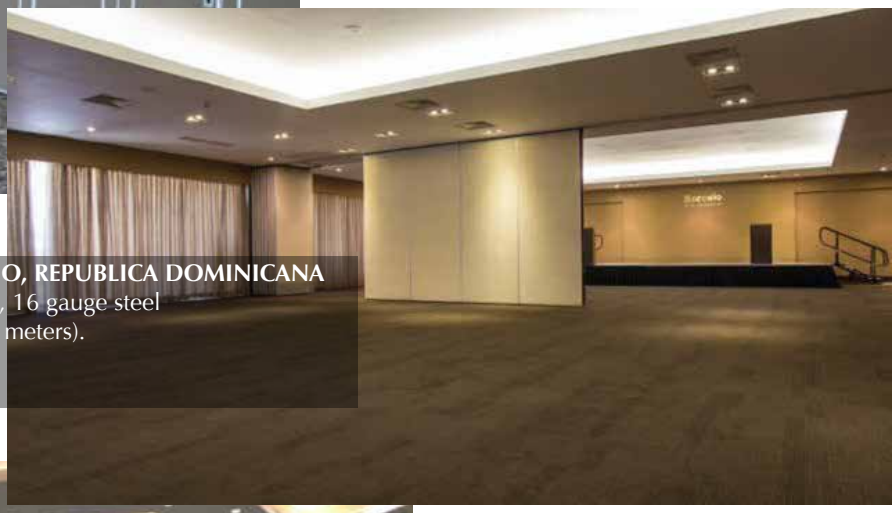
KINTEX CONVENTION CENTER, SOUTH KOREA
ALPHA 'T' panel, robotically fusion welded steel construction, 16 gauge steel face sheets, electric operation. Height 32' - 9" (10 meters).
Architect: Mooyoung Architects and Engineers
Installed: 2011



LOS ANGELES CONVENTION CENTER, LOS ANGELES, CALIFORNIA
ALPHA 'P' panel, welded steel construction, 14 gauge perforated steel faces. NRC 0.65 field sound tested NIC 44. Height 36 feet (11 meters).
Architect: Gruen Associates
Installed: 1994

MOSCONE CONVENTION CENTER, SAN FRANCISCO, CALIFORNIA
ALPHA 'U' panel, 14 gauge steel face sheets robotically fusion welded to 14 gauge steel frame members, field sound tested 42 NIC.
Architects: Gensler, Michael Willis, Kwan Henmi
Installed: 2002

SHERATON IMPERIAL DURHAM, NORTH CAROLINA
ALPHA 'S' panel, welded steel construction, 16 gauge steel faces, manual operation, 8B SUPERTRACK, carpet finish.
Installed: 2005

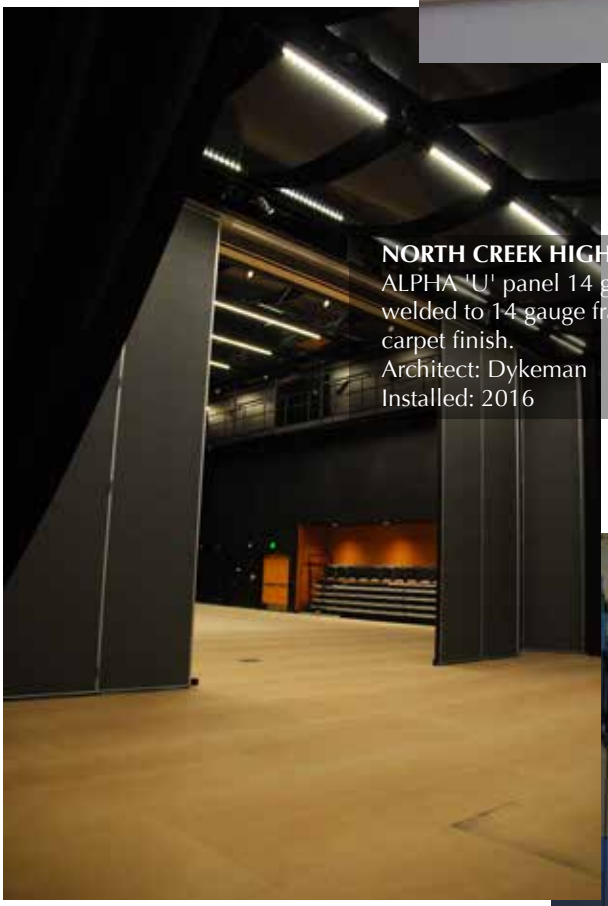


HOTEL BARCELO LINA, SANTO DOMINGO, REPUBLICA DOMINICANA
ALPHA 'S' panel, welded steel construction, 16 gauge steel faces, manual operation. Height 13´-2" (4.0 meters).
Architect: Miguel Rodriguez
Installed: 2008

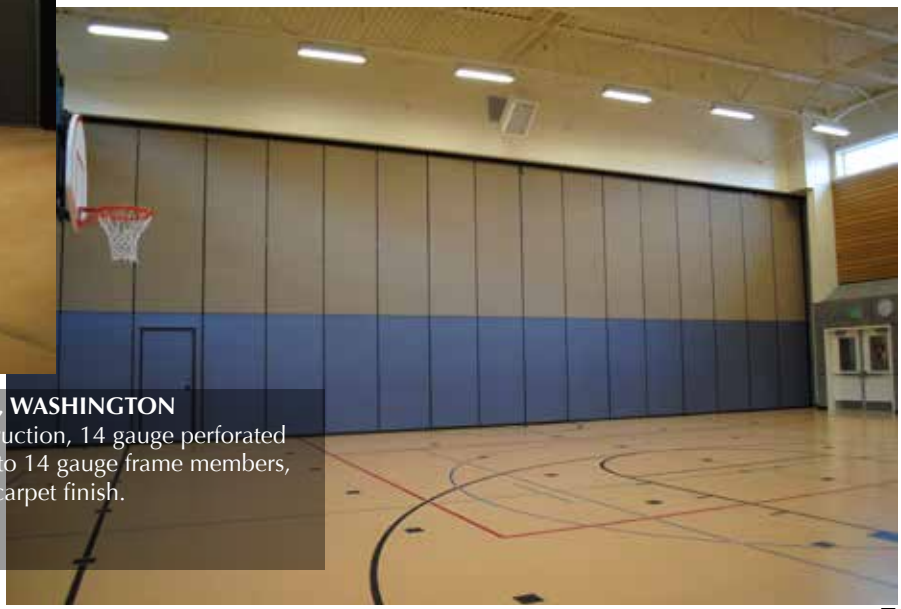
HOTEL GRAND HYATT MACAU CITY OF DREAMS, CHINA
ALPHA 'S' panel, welded steel construction, 16 gauge steel faces, manual operation. Height 26' - 3" (8 meters).
Architect: HBA Design Consultants
Installed: 2013

HYATT ORANGE COUNTY, CALIFORNIA
Refurbished, carpet finish.
Architect: Wimberly Allison Tong & Goo
Installed: 2001

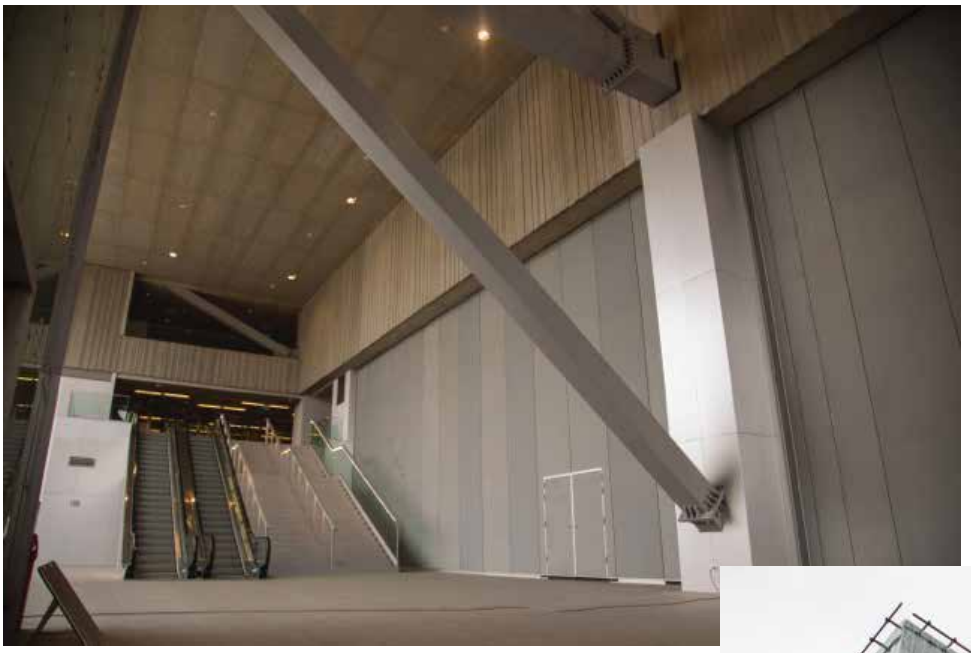
TRIDENT COLLEGE, CHARLESTON, SOUTH CAROLINA
ALPHA 'U' panel 14 gauge face sheets robotically fusion welded to 14 gauge frame members, electric operation, customer supplied fabric finish.
Architect: LS3P Architects
Installed: 2014

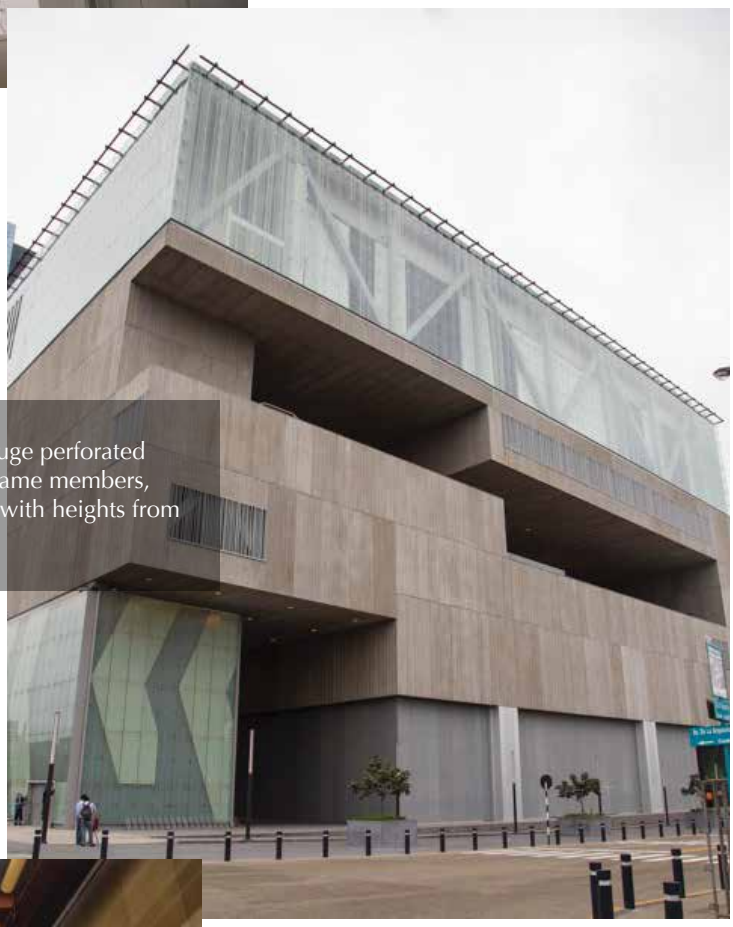


NORTH CREEK HIGH SCHOOL, BOTHELL, WASHINGTON
ALPHA 'U' panel 14 gauge face sheets robotically fusion welded to 14 gauge frame members, electric operation, carpet finish.
Architect: Dykeman
Installed: 2016



EASTGATE ELEMENTARY, BELLEVUE, WASHINGTON
ALPHA 'P' panel, welded steel construction, 14 gauge perforated steel faces robotically fusion welded to 14 gauge frame members, NRC 0.65, electric operation, p-lam/carpet finish.
Architect: NAC Architecture
Installed 2009





LIMA CONVENTION CENTER, PERU
ALPHA 'P' panel, welded steel construction, 14 gauge perforated steel faces robotically fusion welded to 14 gauge frame members, NRC 0.65, manual operation. Installed 452 panels with heights from 9' - 10" to 29' - 6" (3.0 to 9.0 meters).
Installed: 2015

TIJUANA CONVENTION CENTER, MEXICO
ALPHA 'U' panel 14 gauge face sheets robotically fusion welded to 14 gauge frame members, manual operation.
Height 47' - 7" (14.5 meters).
Installed: 2012

WACHOVIA BANK, CHARLOTTE, NORTH CAROLINA
Electrically operated: curved, welded tubular steel frames with lumber finish, curved aluminum track. Water jet cut aluminum grill with custom powder coat finish.
Architects: Fishero, McGuire, Krueger Architects
Installed: 1999

INTERNATIONAL COMMUNITY SCHOOL, KIRKLAND, WASHINGTON
SIGMA 'D' panel, welded steel construction, 18 gauge steel faces, manual operation, Green Screen fabric finish.
Architect: Magellan
Installed: 2013

NIXON LIBRARY, YORBA LINDA, CALIFORNIA
ALPHA 'U' panel 14 gauge face sheets robotically fusion welded to 14 gauge frame members with #8 SUPERTRACK. Millwork field applied by others.
Architect: Langdon Wilson
Installed: 2003

	PANEL TYPE	WEIGHT #/SQ. FT	WEIGHT KG/M2	STC	NIC	NRC	PANEL THICKNESS	MAXIMUM WIDTH	MAXIMUM HEIGHT	PANEL FACE SHEET
ALPHA	S	8.5	41.6	53	40	-	3.5"(89mm)	60"(1.52M)	35FT(10.7M)	16 Ga. Steel or optional 14 Ga.
ALPHA	T	9.1	44.5	54	40	-	3.5"(89mm)	60"(1.52M)	35FT(10.7M)	Minimum 16 Ga. Steel
ALPHA	U	9.7	47.5	53	40	-	4" (102mm)	60"(1.52M)	60FT(18.3M)	14 Ga. Steel
ALPHA	P	12	58.7	49	40	0.65	4" (102mm)	60"(1.52M)	60FT(18.3M)	14 Ga. Perforated Steel
ALPHA	X	10	48.9	53	40	-	3.5"(89mm)	60"(1.52M)	35FT(10.7M)	14 or 16 Ga. Steel (1-Hr. fire)
SIGMA	A	5.9	28.9	49	38	-	3.5"(89mm)	54"(1.37M)	24FT(7.3M)	Minimum 20 Ga. Steel
SIGMA	B	6.4	31.3	50	39	-	3.5"(89mm)	54"(1.37M)	24FT(7.3M)	Minimum 20 Ga. Steel
SIGMA	C	6.9	33.8	51	39	-	3.5"(89mm)	54"(1.37M)	35FT(10.7M)	Minimum 18 Ga. Steel
SIGMA	D	7.4	36.2	52	40	-	3.5"(89mm)	54"(1.37M)	35FT(10.7M)	Minimum 18 Ga. Steel

With the exception of 'X' (fire rated), all ALPHA and SIGMA panels are suitable for electric operation.

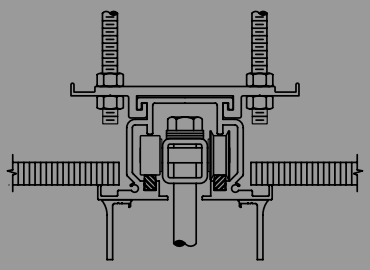
With the exception of 'X' (fire rated), all ALPHA and SIGMA panel construction are available as curved panels.

ALPHA & SIGMA panels are one-piece steel weldments with face sheets welded to frame.

Maximum heights are for individual panel operation and may be less for hinged groups or electric operation.

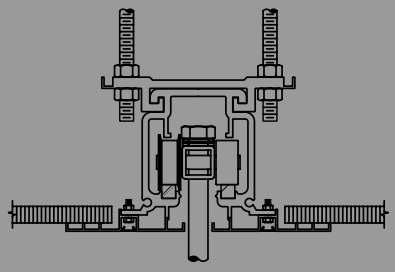
SUPERTRACK®

Advanced Equipment's family of extended warranty tracks produce easy, reliable, long term service with virtually no maintenance. These tracks are furnished with a 5 or 10-year warranty period that does not exclude normal wear and tear. Specify tracks #1A, #8 or #8B.



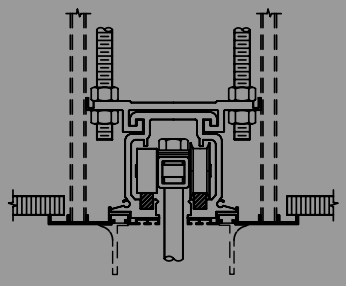
#1A: 900-pound trolley capacity

Composite track: Aluminum case with CR steel bar running surface. Manual or electric operation.
5-YEAR WARRANTY



#8: 1,700-pound trolley capacity

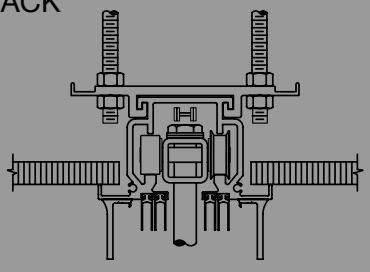
Composite track: Aluminum case with CR steel bar running surface. Manual or electric operation.
10-YEAR WARRANTY



#8B: 1,500-pound trolley capacity

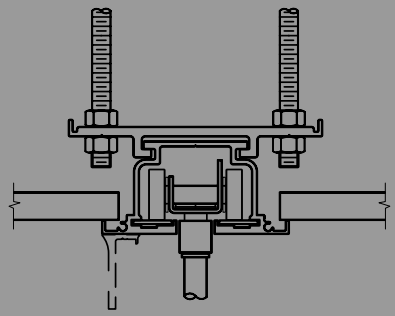
Composite track: Aluminum case with CR steel bar running surface. Manual or electric operation.
10-YEAR WARRANTY

TRACK



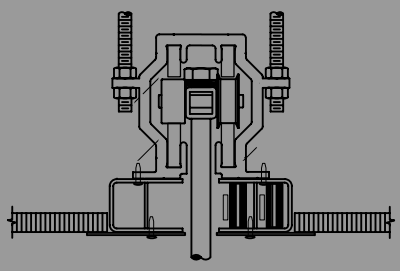
#1: 800-pound trolley capacity

Composite track: Aluminum alloy track incorporating soffit trim. Manual or electric operation.
2-YEAR WARRANTY



#2: 600-pound trolley capacity

Composite track: Aluminum case with steel running surface. Manual operation.
2-YEAR WARRANTY



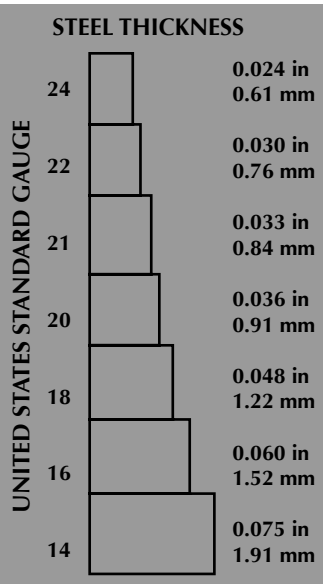
#4: 1,500-pound trolley capacity

Curve wall manual or electric.
5-YEAR WARRANTY

DISCOVER ADVANCED EQUIPMENT'S
MEASURABLE PERFORMANCE

- 40 NIC guaranteed when SPECIFIED (ASTM E 336)
- One hand operation on 12" (305mm) radius turn tracks
- Proof load testing of panel construction (ASTM E-72)
- Proof load testing of trolley plate anchorage
- 10-year limited warranty that does not exclude "normal wear and tear"
- Low maintenance cost, no replacement cost

Panel heights to 60 ft (18.3m)
Panel widths to 60 inches (1.52m)



APPROX. THICKNESS. INCHES AND MILLIMETERS (NTS)
Thicker steel used by AEC produces superior panel strength

Compare Advanced Equipment ALPHA's features with its competitors:

1. 14 ga. (0.075" 1.9mm) steel top rail.
2. Minimum 16 ga. (0.060" 1.52mm) steel frame members.
3. 16 ga. (0.060" 1.52mm) or 14 ga. (0.075" 1.9mm) steel FACE SHEETS WELDED TO FRAME MEMBERS with max. weld spacing of 8" (203mm).
4. 16 ga. (0.060" 1.52mm) steel stiffeners welded to interior surface of panel faces (no gypsum board).
5. 1/2 in. (12.7mm) or 3/4 in. (19mm) thick trolley plates welded into top rail. Anchorage withstands 10,000 pound (4545 kg) tensile load applied via pendant bolt.
6. 1 in. (25.4mm) thick absorptive sound baffle inside of frame members.
7. Fiberglass absorptive fill.
8. Mechanical, retractable bottom seals with travel range from 2 inches (51mm) standard to 6 in. (152mm).
9. Protective, tongue and groove, extruded aluminum edge trim** with acoustical seals.
10. Optional edge trim-finish wraps around vertical edge and is secured under edge trim** that does not overlap panel face.
11. Multi-fin, fixed top seal.

*Individual panel operation
**Anodized or powder coated

NO GYP While gypsum board has many uses, it is not a structural material. Buyers may unintentionally be investing in products that have an inherently short life span when accepting wall panels that utilize composite face sheets of thin sheet metal glued to gypsum board and then assembled to welded steel frames. The strength of these panels relies on the strength of the glue-bond between the paper skin and the core of the gypsum board. Contrast the impact resistance and short service life of these panels with ALPHA®, all steel, all welded panels whose life is to be measured in decades.

Vision

VISION PROJECTION SCREEN SHIELD

When fully closed, the shield presents an almost unbroken flush surface which may be finished to match adjacent fixed surfaces to blend unobtrusively.

A pre-programmed micro processor and its related sensors determine speed, acceleration/deceleration and simultaneous positioning of the movable panel elements. Requiring only the “open” or “close” command from the operator.

A precisely machined, ruggedly built panel element suspension system, coupled with the quiet synchronous belt electric drive delivers repeatedly smooth performance and long life.

Both moveable and fixed panel elements are durable incombustible welded steel. Moveable elements are suspended and do not require or use a floor track.

CALTY AUTOMOTIVE DESIGN GROUP, NEWPORT BEACH, CALIFORNIA
Six element VISION, factory applied fabric finish over tackable surface.
Architect: Rosgetti Associates
Installed: 1991

CAPITOL VISITORS CENTER, WASHINGTON D.C.
VISION with wood veneer finish, #8 SUPERTRACK ,electric operation, millwork by others.
Architect: RTKL Associates Inc.
Installed: 2005

Image®

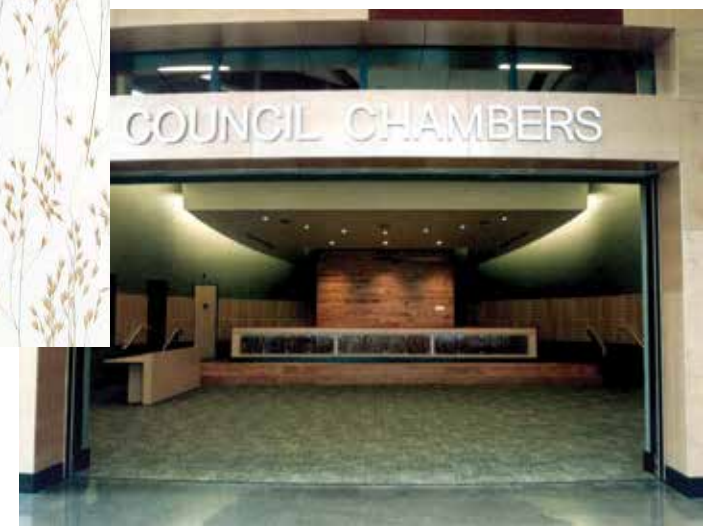
INCOMBUSTIBLE STEEL, QUALITY, STRENGTH, PERFORMANCE, and VALUE at COMPETITIVE PRICES. WELDED TUBE STEEL FRAME.

- SINGLE or DOUBLE GLAZED.
- MANUAL or ELECTRIC OPERATION.
- PANEL HEIGHT: 30’ max.
- MAX PANEL WIDTH: Folding operation 60”, individual panel operation 96”, sliding operation 180”.
- PANEL WEIGHT: May range between 6.5 psf and 12 psf.
- NO FLOOR TRACK REQUIRED - MOST APPLICATIONS.

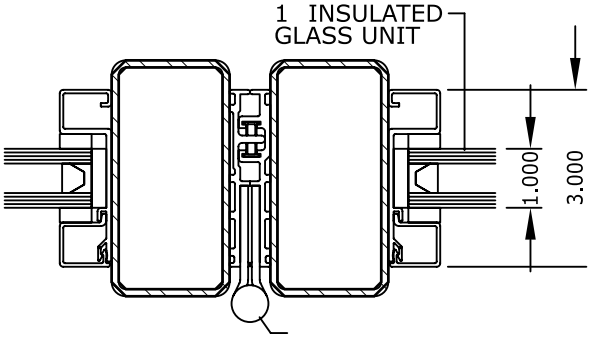
JW MARRIOTT IHILANI, OAHU, HAWAII
IMAGE panels with "TNEMEC" finish for protection against salt/air, exterior and interior application, manual operation.
Architect: KOLLIN ALTOMARE Architects
Installed: 2009

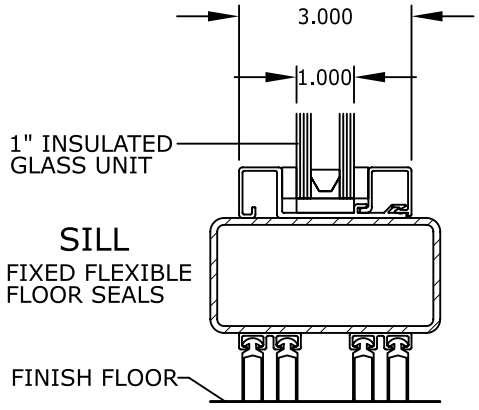
SAN DIEGO CENTRAL LIBRARY, SAND DIEGO, CALIFORNIA
IMAGE panel exterior application, bi-parting electric operation.
Architect: Tucker Sadler Architects
Installed: 2014

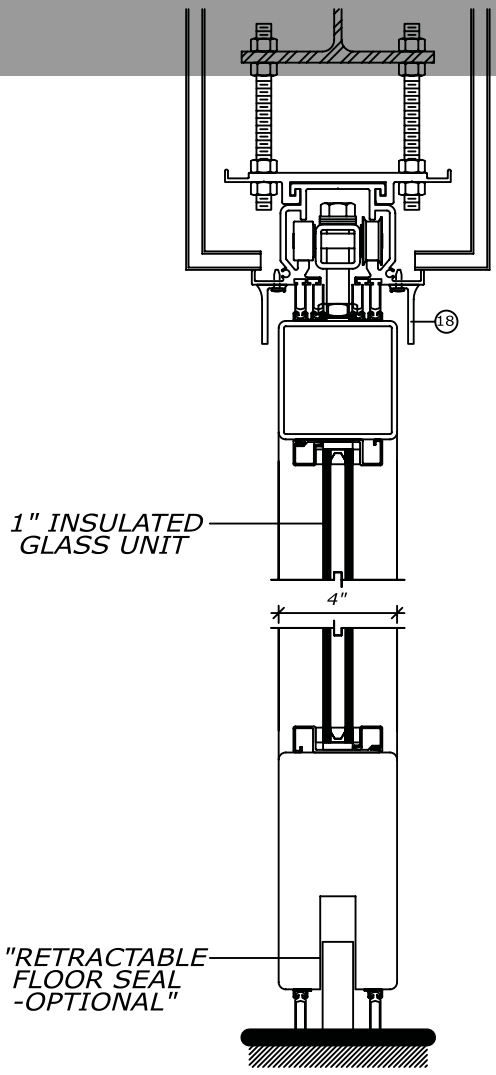
BLRB ARCHITECTS, TACOMA, WASHINGTON
IMAGE panel with one piece welded steel frame, custom powder coat finish, manual operation.
Architect: BLRB Architects
Installed: 2009



OLYMPIA CITY HALL, OLYMPIA, WASHINGTON
IMAGE panel with "Lumicor" resin panels, manual operation.
Architect: Belay Architecture
Installed: 2010







Curve®

ELECTRIC OR MANUAL OPERATION

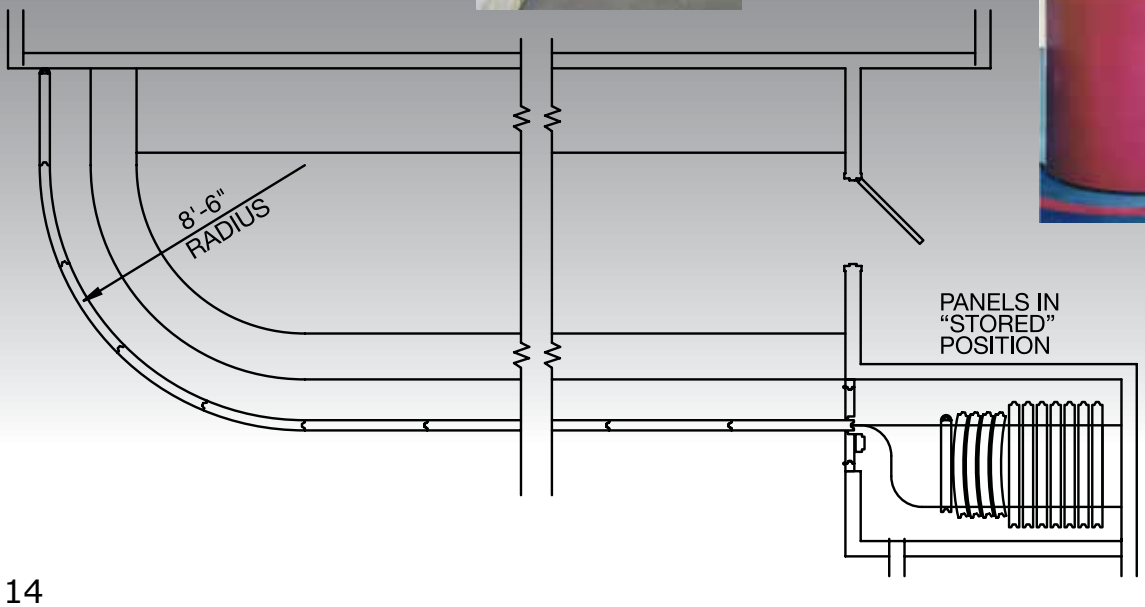
The use of CURVE panel construction on curved tracks of the same radius provides the designer with a space division option that may be more compatible with the room design than can be achieved with the typical straight-line operable wall.

Electrically operated curved systems typically consist of one or more sliding elements that store in a deep narrow pocket or parallel to an adjacent room wall. If the electric wall consists of several moving elements then it is typical to have each element travel on its own track with elements storing parallel to each other.

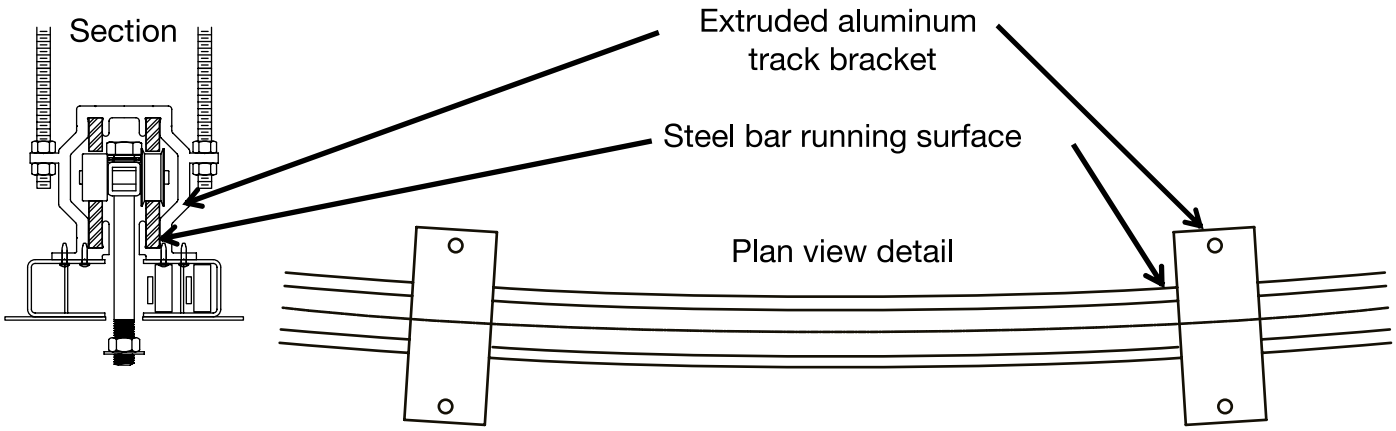
When manually operated, the designer can utilize all curved panels or can incorporate both curved and flat panels within the same operable wall. Panels are moved individually. Panel storage for manual operation is much the same as with a traditional operable wall but pocket depth may be somewhat deeper in order to accommodate the curved elements

G.E. CAPITAL, UNIVERSITY OF CONNECTICUT, STORRS, CONNECTICUT
Bi-parting, electrically operated, curved panels and track with four panel elements traveling on two parallel tracks.
Perforated sound absorptive panel faces with paint finish, inset pass door with lite also by AEC.
Architect: CPG Architects and Planners

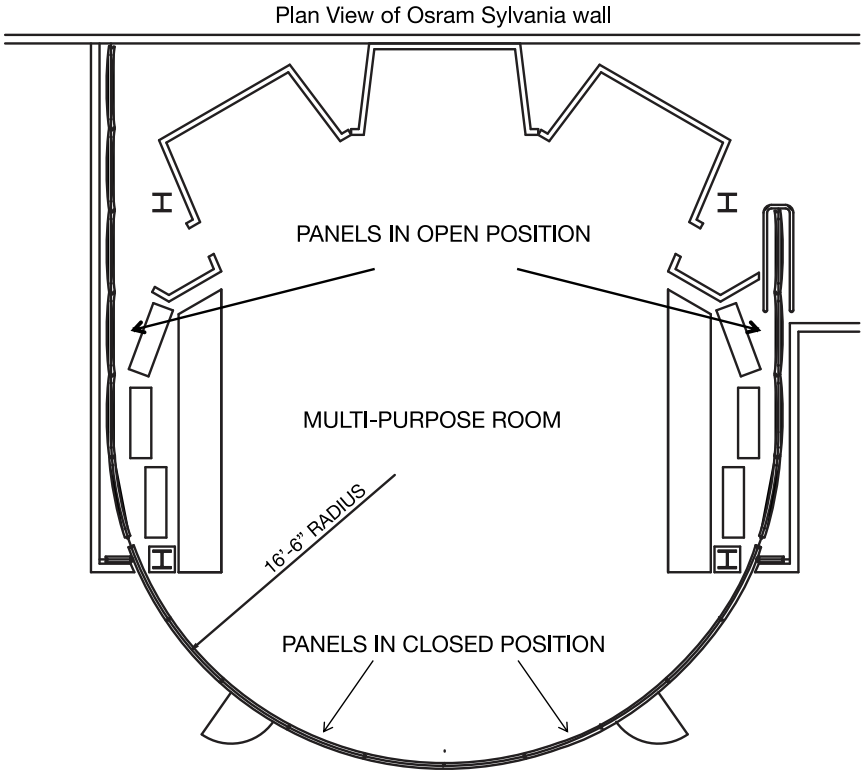
SAN DIEGO CONVENTION CENTER, SAN DIEGO, CALIFORNIA
Curved panels and track. Perforated sound absorptive panel faces, NRC 0.65, manual operation.



Advanced Equipment No. 4 curved track



OSRAM SYLVANIA LIGHTING LABORATORY, DANVERS, MASSACHUSETTS
Curved ALPHA welded steel panels hinged in trains using "SOSS" fully concealed hinges suspended on single track, electrically operated, bi-parting, fabric finish with powder coat trim, custom color seals and inset pass doors.
Architect: Design +
Installed: 1994



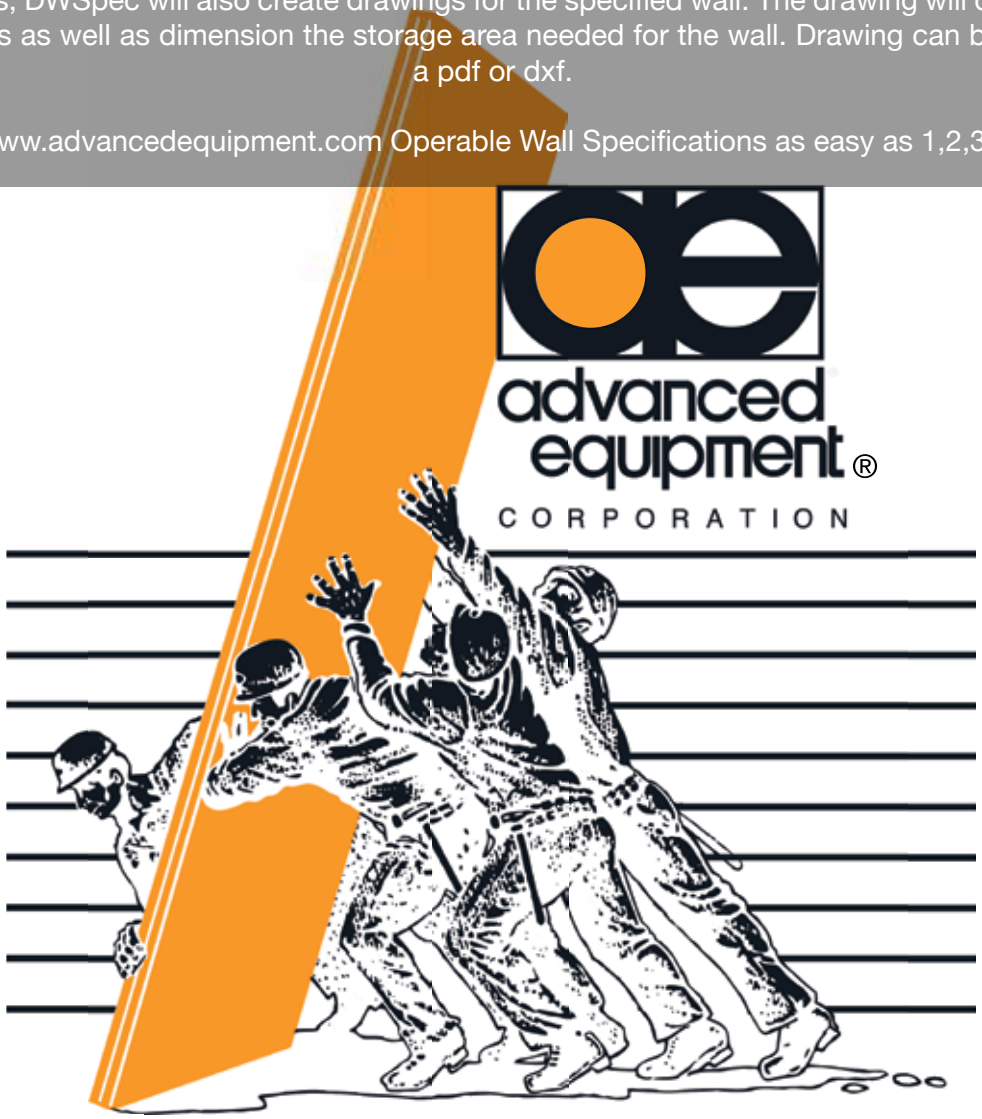
DWSpec™

DWSpec™ provides Architects and Specification Developers with a fully interactive tool for developing operable wall specifications. As a Web-based application, DWSpec requires no special software or downloads. DWSpec produces one specification for your project even if your project has several walls each with differing characteristics. The user need not be familiar with Advanced Equipment products or their individual characteristics in order to produce a valid, error-free specification.

In some instances, DWSpec will also create drawings for the specified wall. The drawing will depict the number and size of panels as well as dimension the storage area needed for the wall. Drawing can be downloaded as a pdf or dxf.

www.advancedequipment.com Operable Wall Specifications as easy as 1,2,3...

advanced equipment®
CORPORATION



WORLD CLASS® OPERABLE WALLS

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