advanced equipment® CORPORATION

Established 1957

WORLD CLASS OPERABLE WALLS

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Company profile

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.

Perfil de la empresa

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.

Front Cover Photo: 12 Technologies, Inc.
Dallas, TX
ALPHA® panel, curved, electrically operated wall with groups of panels joined to create three wall elements. Wall elements are stacked when stored.
Architect: The Lauck Group

Los Angeles Convention Center
Los Angeles, California. USA
ALPHA, welded steel construction "P", 14 Gauge perforate steel faces, panels 36 feet high, absorptive, NRC 0.65 field sound tested NIC 44. Approximate height is 11 m.
Installed: June, 1994
Architect: Gruen Associates

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Versatility / *Versatilidad*

Conventions Centers / *Centros de Convenciones*

Moscone Convention Center
San Francisco, California. USA
ALPHA, welded steel panel construction type "U".
14 gauge face sheets robotically fusion welded to 14 gauge frame members, field sound tested, minimum 42 NIC.
Installed: September 2002
Architects:
Gensler, Michael Willis, Kwan Henmi

Colorado Convention Center
Denver, Colorado. USA

Exhibit Hall:
14-gauge (1.9 mm) thick panel faces
100 mm bottom seal travel paint finish.
Pass Doors equipped with "Von Duprin"
hardware, concealed door closers and
self-illuminated Exit Sign.
Longest wall in Exhibit Hall is 244 meters.

Ballroom wall:
Same as Exhibit Hall except that finish is
fabric.

Installed: March 2005
Architect: Fentress Bradburn

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Elegance / *Elegancia*

Hotels */Hoteles*

Imperial Ballroom at Sheraton Hotel
Seattle, Washington. USA
ALPHA welded steel panels with fabric finish and power coated trim.
Installed 2006
Architect: Callison Architecture

San Gabriel Hilton
San Gabriel, California. USA
ALPHA, welded steel, panel construction guaranteed to achieve minimum 42 NIC; #1A SUPERTRACK, bronze anodized panel trim, standard wall carpet finish.
Installed: January 2004
Architect: JWDA Architects

Riverwalk Marriott
San Antonio, Texas. USA
ALPHA, welded steel construction, type "S" panel, 53 STC. Panel trim is AEC standard clear satin anodized. Panel finish is fabric supplied by others to AEC for fabric application. Chair rail installed in field to insure alignment with rail on adjacent room walls. Storage pocket doors by AEC. Panels furnished with 10-year limited warranty.

Installed: November, 2003
Architect: Mitchell Carlson Stone

Functional / *Funcional*

Schools & Colleges / *Escuelas y Universidades*

Yelm High School Auditorium, Outside
Yelm, Washington. USA
Alpha welded steel panel, type "S". Electrical operation. Finishes outside red carpet and inside vinyl with porcelain/steel liquid marker boards permanently affixed to the panels
Installed: 2006.
Architect: Erickson, Mc Govern

Yelm High School Auditorium, Inside
Yelm, Washington
USA

Medina Elementary School
Medina, Washington. USA
Alpha welded steel panel, type "S". Electrical operation.
Installed: 2006
Architect: McGranahan Architects

Rosa Parks Elementary School
Redmond, Washington. USA
Alpha welded steel panel, type "S". Manual operation
Installed: 2006
Architect: Mahlum Architects

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Dynamic / *Dinámico*

Calty Automotive Design Group
Newport Beach, California. USA
Six element VISION®, factory applied fabric finish.
Fabric finish over tackable surface.
Installed: January, 1991.
Architect: Rosgetti Associates

Special Projects / *Proyectos Especiales*

G.E. Capitol, University of Connecticut
Connecticut, Connecticut. USA
Electrically Operated, Curved Panels and Track. Perforated panel faces, inset pass door with light also by AEC.
Installed: November 2000.
Architect: CPG Architects & Planners

Banks / *Bancos*

Wachovia Bank
Charlotte, North Carolina. USA
Electrically operated, curved, welded tubular steel frames with lumber finish, curved aluminum track. Water jet cut aluminum grill with custom power coat finish.
Installed: December, 1999.
Architects: Fishero, McGuire, Krueger Architects

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Esthetic / *Estético*

Special Projects / *Proyectos Especiales*

Nixon Library
Yorba Linda, California. USA
ALPHA, welded steel panel construction, type "U".
Panels are nominally 2.4 meter wide.
Special track work and closure panel allows operable wall to seal acoustically with adjacent room walls without unsightly closure panel or expandable jamb element. Millwork field applied by others.
Opposite side of the wall has fabric finish. One set of pass doors is active while the others are not. Track is AEC #8 SUPERTRACK.
Installed: August, 2003.
Architects: Langdon Wilson.

Osram Sylvannia
North American Headquarters Lighting Studio
Danvers, Massachusetts. USA
Curved ALPHA panels, curved extruded aluminum track, electric operation, power coated panel trim and track.
Installed 08/31/1994
Architects: Design Plus

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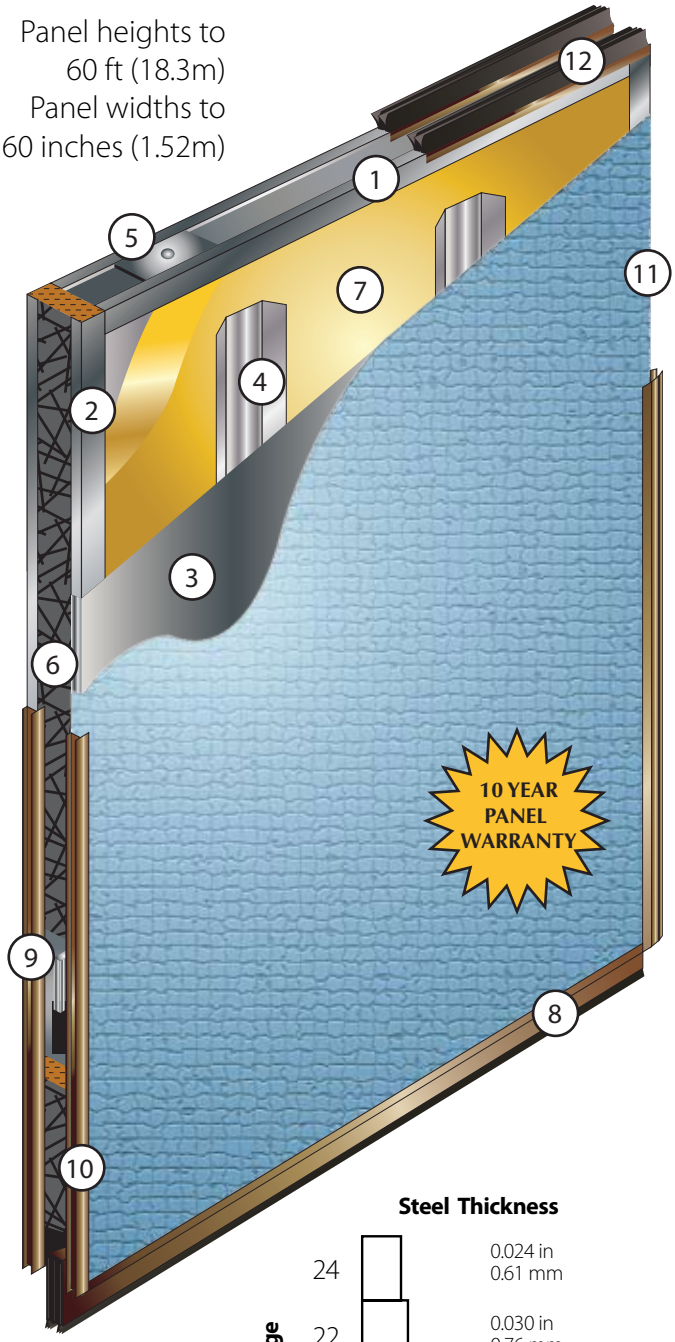
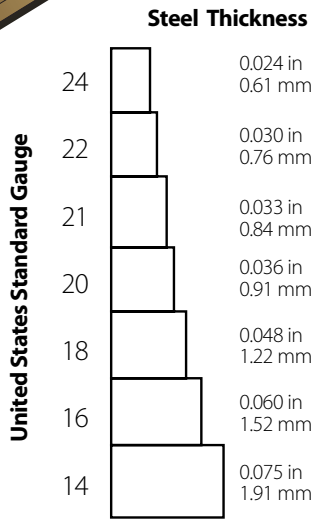
WORLD CLASS® - ALPHA® SERIES

All welded, all steel panels designed to last the life of your building.

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





Aprox. thickness. inches and milimeters (nts)

Thicker steel used by AEC produces superior panel strength

Discover Advanced Equipment's Measurable Performance

- 42 NIC guaranteed when SPECIFIED (ASTM E 336-97)
- 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

www.advancedequipment.com

Compare 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. Built-in handle for bottom seal activation*
10. Protective, tongue and groove, extruded aluminum edge trim** with acoustical seals.
11. Optional edge trim-finish wraps around vertical edge and is secured under edge trim** that does not overlap panel face
12. Multi-fin, fixed top seals

*Individual panel operation

**Anodized or powder coated

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.

Be it ELECTRIC or MANUAL operation, AEC offers a wide range of panel constructions and tracks designed to fit your specific need and budget. For life-of-the-building durability select one of the ALPHA® panel constructions.

	Panel Type	Weight #/SQ. FT	Weight KG/M2	S.T.C	N.I.C.*	N.R.C.	Panel Thickness	Maximum Width	Maximum Height	Panel Face Sheet
Alpha	S	8.5	41.6	53	42	-	3.5" (89mm)	60" (1.52M)	35FT (10.7M)	16-Ga. Steel or optional 14-Ga.
	T	9.1	44.5	54	42	-	3.5" (89mm)	60" (1.52M)	35FT (10.7M)	Minimum 16-Ga. Steel
	U	9.7	47.5	53	42	-	4" (102mm)	60" (1.52M)	60FT (18.3M)	14-Ga. Steel
	P	12	58.7	49	42	0.65	4" (102mm)	60" (1.52M)	60FT (18.3M)	14-Ga. Perforated Steel
	X	10	48.9	53	42	-	3.5" (89mm)	60" (1.52M)	35FT (10.7M)	14 or 16-Ga. Steel (1-Hr fire)
Sigma	A	5.9	28.9	49	40	-	3.5" (89mm)	54" (1.37M)	24FT (7.3M)	Minimum 20-Ga. Steel
	B	6.4	31.3	50	41	-	3.5" (89mm)	54" (1.37M)	24FT (7.3M)	Minimum 20-Ga. Steel
	C	6.9	33.8	51	41	-	3.5" (89mm)	54" (1.37M)	35FT (10.7M)	Minimum 18-Ga. Steel
	D	7.4	36.2	52	42	-	3.5" (89mm)	54" (1.37M)	35FT (10.7M)	Minimum 18-Ga. Steel

N.I.C.* when tested in accordance with ASTM E 336-97; Deduct 2 points when using ASTM E 336-05

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

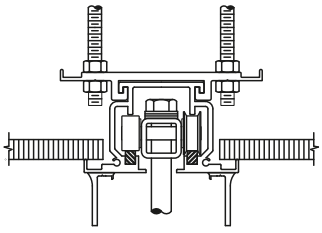
With the exception of "X" (fire rated), all ALPHA and SIGMA panel constructions are available as curved panels

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

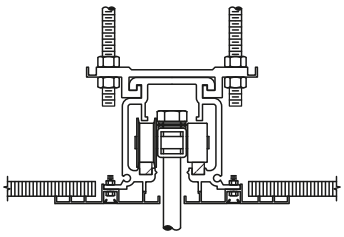
Maximum heights are for individual panel operation and may be less for hinged groups or electric operation

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.

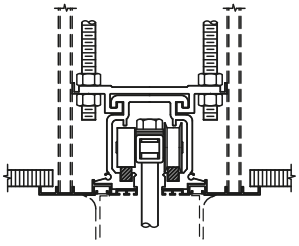
SUPERTRACK®



#1a 900-pound trolley capacity
Composite track: Aluminum case with CR steel bar running surface. Maunual or electric operation.
5-YEAR WARRANTY

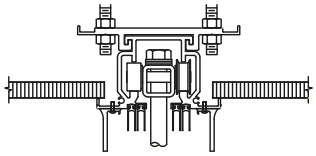


#8 1700-pound trolley capacity
Composite track: Aluminum case with CR steel bar running surface. Manual or electric operation.
10-YEAR WARRANTY

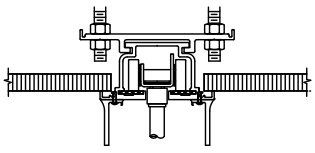


#8b 1500-pound trolley capacity
Composite track: Aluminum case with CR steel bar running surface. Manual or electric operation.
10-YEAR WARRANTY

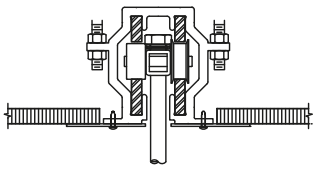
TRACK®



#1 800-pound trolley capacity
Composite track: Aluminum alloy track incorporating soffit trim. Manual or electric operation.
1-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

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.

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



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