



Established 1957

WORLD CLASS OPERABLE WALLS

COMPANY PROFILE

Engaging in the design, manufacture, installation and service of operable walls for over 50 years, Advanced Equipment Corporation (AEC) is the most senior company currently producing this product in the USA.

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

AEC utilizes quality materials and advanced production methods, produces products with measurable performance - physical load testing and field sound testing. Our operable walls complies with the strength to resist forces generated by earthquakes thus insuring the Public's Safety.

The fabrication of panels entirely in welded steel enables AEC to offer 20 and 10 year limited warranty for the ALPHA® panel and 5 year limited warranty for the SIGMA® panel. This panels provides superior, field tested, sound stopping performance, incombustible construction and durability in a wall that is easy to operate.

Our panels are designed to last the life of your building.







CONVENTIONS CENTERS

DTijuana Convention Center, México



Alpha®, manual and electrical operation, welded steel construction "U" STC 53, 14 gauge steel frames and faces. Height 47'-7'' (14.5 m). Installed 2012.

CONVENTIONS CENTERS

Jacobs Javits Convention Center, New York, USA.



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SPACEMATIC ® power assist operation, ALPHA ®welded steel panel construction "U" STC 53, 14 gauge steel frames and faces. Height 39´-4" (12.0 m). Installed 2017.

CONVENTIONS CENTERS

Centro Nacional de Congresos y Convenciones, Heredia, Costa Rica



ALPHA®, manual operation, welded steel construction "U" STC 53, 14 gauge steel frames and faces. Height 39⁻⁴" (12.0 m). Installed 2018.

HOTELS

Hotel Marriott San Francisco Airport, San Francisco, California 📒



ALPHA®, manual and electric operation, welded steel construction "S" STC 53, 16 Gauge steel faces. Installed 1985. Refurbished 2006.





Bogotá, Colombia



SIGMA®, manual operation, welded steel construction "E" STC 53, 16 gauge steel faces. Height 18´-0" (5.5 m). Installed 2018.



HOTELS

Hotel Grand Hyatt Macao, City of Dreams, China 🛑



ALPHA®, manual operation, welded steel construction "S" STC 53, 16 Gauge steel faces. Height 26´-3" (8.0 m). Installed 2013.

📙 Hotel Hilton, Panamá



Hotel Estelar, Cartagena, Colombia



ALPHA®, manual operation, welded steel construction "S" STC 53, 16 Gauge steel faces. Height 14´-9" (4.5 meters). Installed 2011.



welded steel construction "E" STC53, 16 gauge steel

Installed 2016.

HOTELS

Hotel W Conchal, Guanacaste, Costa Rica 📒



ALPHA®, manual operation, welded steel construction "S" STC 53, 16 Gauge steel faces. Height 10´-8" (3.15 m). Installed 2017.



Hotel Marriott, Medellín, Colombia 👂



SIGMA®, manual operation, welded steel construction "E" STC53, 16 gauge steel faces. Height 16-4" (5.0 m). Installed 2017.



EDUCATIONAL CENTERS

Queens University of Charlotte, North Carolina, USA



ALPHA®, electric operation, welded steel construction "U" STC 53, 14 Gauge steel faces. Height 43´-0" (13.0 m). Installed 2012.

EDUCATIONAL CENTERS

Universidad de Piura, Piura, Perú 🛑



Texas Tech University, Escazú, Costa Rica 👂



SIGMA®, manual operation, welded steel construction "B" STC 50, 18/20 gauge steel faces. Height 9´-10" (3.0 m). Installed 2018.



Offices Roche Services America SRL, San José, Costa Rica



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SIGMA® , manual operation, welded steel construction "D", 16/18 gauge steel faces Height 8´-4″ (2.55 meters). Installed 2018.

Offices Chilena Consolidada, Santiago, Chile



SIGMA [®], manual operation, welded steel

construction, welded steel construction "C", 18 gauge steel faces. Height 11'-6" (3.5 meters). Installed 2015.



SPECIAL PROJECTS

Museo de Arte Moderno Medellin (MAMM), Colombia 📒



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SIGMA®, manual operation, welded steel construction "C" STC 51, 18 gauge steel faces. Height 19'-8" (6.0 m). Installed 2015. Photo courtesy from MAMM.



Capitol Visitor Center, Washington DC, USA



VISION®, rear projection screen shield, welded steel panels with wood venner finish. Height 28'-4" (8.7 m). Installed 2008.



PARTITIONS TYPES

AEC operables walls are available in paired, individual (omni-directional) and continuously hinged configurations.

PAIRED PANELS Type 3MC

Panels are hinged in group of two, each top supported by one trolley of four radial type, steel ball bearing wheels may be conveniently manually operated and "center" stacked along a single overhead track. Recommended for meeting rooms, classrooms and training centers. Available in heights to 20 feet (6.0m).





INDIVIDUAL PANELS

Type 5MR/5MS

Individual panels, each top supported with two trolleys of four radial type, steel ball bearing wheels assemblies are the easiest of all panels systems to manually operate. Panels may be moved one at a time to and from side, lateral or remote storage areas. Panels are pre-programmed to roll effortlessly through track diverters to create multiple use room layouts. Recommended for: Conventions Centers, Hotel Ballrooms, School multi -use areas. Available in heights to 60 feet (18.3 m).







CONTINUOUSLY HINGED PANELS

Type 2EC



WORLD CLASS[®] - ALPHA[®] SERIES

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



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	STC	NIC	NRC	PANEL THICKNESS	MAXIMUM WIDTH	Maximum Height	PANEL FACE SHEET	
	S	8.5	41.6	53	40	-	3.5"(89mm)	60"(1.52M)	35FT(10.7M)	16 Ga. Steel or optional 14 Ga.	
	Т	9.1	44.5	54	40	-	3.5"(89mm)	60"(1.52M)	35FT(10.7M)	Minimum 16 Ga. Steel	
₹	U	9.7	47.5	53	40	-	4" (102mm)	60"(1.52M)	60FT(18.3M)	14 Ga. Steel	
<u> </u>	Р	12	58.7	49	40	0.65	4" (102mm)	60"(1.52M)	60FT(18.3M)	14 Ga. Perforated Steel	
∟ ∀	х	10	48.9	53	40	-	3.5"(89mm)	60"(1.52M)	35FT(10.7M)	14 or 16 Ga. Steel (1-Hr. fire)	
	А	5.9	28.9	49	38	-	3.5"(89mm)	54"(1.37M)	24FT(7.3M)	Minimum 20 Ga. Steel	
∢	В	6.4	31.3	50	39	-	3.5"(89mm)	54"(1.37M)	24FT(7.3M)	Minimum 20 Ga. Steel	
Ś	С	6.9	33.8	51	39	-	3.5"(89mm)	54"(1.37M)	35FT(10.7M)	Minimum 18 Ga. Steel	
5	D	7.4	36.2	52	40	-	3.5"(89mm)	54"(1.37M)	35FT(10.7M)	Minimum 18 Ga. Steel	
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	With the	With the exception of 'X' (fire rated), all ALPHA and SIGMA panels are suitable for electric operation.									
	With the	Nith the exception of 'X' (fire rated), all ALPHA and SIGMA panel construction are available as curved panels.									
	ALPHA 8	LPHA & 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.



#1 800-pound for level of the second second



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



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



#2 600-pound trolley capacity Composite track: Aluminum case with steel running surface. Manual operation.



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...



WORLD CLASS_® OPERABLE WALLS

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