



**advanced
equipment**[®]

[®] CORPORATION

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 exceptional 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 this is easy to operate.

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

Our Advantage

Manufacturing in the US

Competitive Pricing

Exceptional Customer Service

The Best in Guaranteed Sound Stopping

Sustainability

Deliver Quality

Since 1957 ● Family Owned and Operated ● World Wide Quality



*Jacob Javitz Convention Center
New York, NY*

*Tijuana Convention Center
Tijuana, Mexico*





*Margaret Mead Elementary
Sammamish, WA*



*Maltby Elementary
Maltby, WA*



*Kimball Elementary
Seattle, WA*



*Sartori Elementary
Renton, WA*



*Bailey Gatzert Elementary
Seattle, WA*



*Hyatt Regency Lake Washington
Renton, WA*





*Hilton
Columbia*



*Hotel Mandarin
Santiago, Chile*



*Gibbs Studio
Malibu, CA*





*Oak Harbor CWF
Oak Harbor, WA*



*Three River Convention Center
Kennewick, WA*



*Daniel's Broiler Steak House
Bellevue, WA*

AEC offers operable walls in a wide type of panel has been sound tested tical engineer in an independent established minimum NIC values for each type of panel should the and providing that the surrounding ible with the specified rating. The appropriate) can be found on below.

NIC - NOISE ISOLATION CLASS

A single number rating derived acoustical test procedure. The test pressure lever differences on each adjusted to compensate for am- of the value is made to compen- “receiving room”. Thus, the result the human ear. A NIC rating of operable wall. As with STC, the operable wall is at stopping sound

Acoustical Engineers consider NIC and widely used method of de- effectiveness of operable walls. by field testing the actual product Operator, usually predicts Custom- of field measurement of NIC is the sound leakage not related to the be holes in sound barrier above conduit.

AEC considers field measure- mandatory testing, to be the way to effectiveness of operable walls. It is rely on STC to predict Customer contact your acoustical consultant.



range of panel constructions. Each for STC value by a licensed acous- acoustical laboratory. AEC has which one can expect to achieve operable walls be field sound tested building construction is compat- STC, NIC and NRC values (where the PANEL FEATURES CHART

from a standardized ASTM field is based on measurement of sound side of the field installed product, bient noise levels. No adjustment sate for sound absorption in the is comparable to that perceived by 40 is considered very good for an higher the rating the better the transmission.

measurement the most utilitarian terminating the sound reducing The NIC value, being determined purchased for use by the Owner/ er Satisfaction. A further advantage ability to locate, define and correct operable wall. Examples would ceiling, or common ductwork or

ment of NIC, either optional or determine and control acoustical recommended that one should not Satisfaction. Learn more at z or

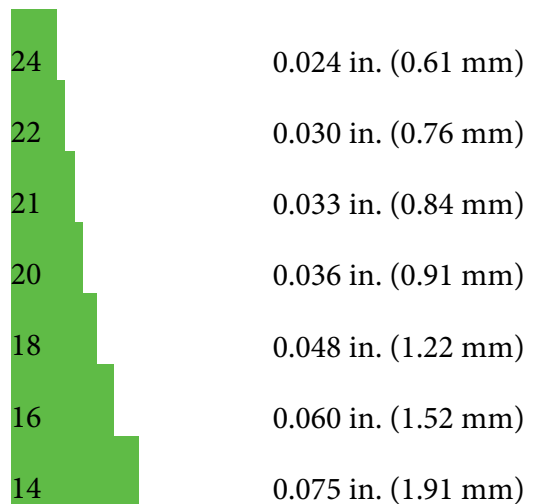
	PANEL TYPE	WEIGHT #/SQ.FT	WEIGHT KG/M2	STC	NIC	NRC	PANEL THICKNESS	MAXIMUM WIDTH	MAXIMUM HEIGHT	PANEL FACE SHEET
	ALPHA	S	8	39.1	53	40	-	3.5" (89mm)	60" (1.52M)	40FT (12.2M)
T		8.6	42	54	40	-	3.5" (89mm)	60" (1.52M)	40FT (12.2M)	Minimum 16 Ga. Steel
U		9.2	45	53	40	-	4" (102mm)	60" (1.52M)	60FT (18.3M)	14 Ga. Steel
P		11	53.8	49	40	0.65	4" (102mm)	60" (1.52M)	60FT (18.3M)	14 Ga. Perforated Steel
X		9.5	46.5	53	40	-	3.5" (89mm)	60" (1.52M)	40FT (12.2M)	14 or 16 Ga. Steel (1-Hr.Fire Rated)
SIGMA	A	5.9	28.9	49	38	-	3.5" (89mm)	54" (1.37M)	18FT (5.49M)	Minimum 20 Ga. Steel
	B	6.4	31.3	50	39	-	3.5" (89mm)	54" (1.37M)	18FT (5.49M)	Minimum 20 Ga. Steel
	C	6.9	33.8	51	39	-	3.5" (89mm)	54" (1.37M)	25FT (7.62M)	Minimum 18 Ga. Steel
	D	7.4	36.2	52	40	-	3.5" (89mm)	54" (1.37M)	25FT (7.62M)	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 panels are available as curved panels.										
ALPHA and 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.										

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)

UNITED STATES STANDARD GUIDE STEEL THICKNESS



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.



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.



Simple Point-and-Click Specifications

Writing a valid operable wall specification is as easy as 1-2-3, with DWSpec™, our new web-enabled Specification writing application. As a web-based program, it requires no special software or downloads, and will produce a single, complete, error-free specification of your project– even for projects that have multiple walls with differing characteristics.

All you have to do is enter the project name, the opening dimensions and the proposed location of the operable wall, and point and click your way to a valid, error-free specification. You can enter characteristics for multiple walls of differing sizes and get one comprehensive specification identifying each wall and its features by location. There is now no need to edit a spec or merge multiple specs in order to create a complete project specification.

The application constantly updates itself based upon your previous entries and presents only valid options for continued selection. Therefore, common errors such as opening height exceeding limits of panel construction, panel weight exceeding trolley capacity, panel finish inappropriate for panel type or panel construction inappropriate for configuration are completely eliminated. When generated, the finished specification is then formatted as a rich-text-format document, (such as Microsoft Word) and emailed to the user. Launch DWSpec™.



Design Wall Specification

This web-based application enables you to design a system of operable walls and create a spec based on your entries. Please enter a project name to get started.

Project Name:

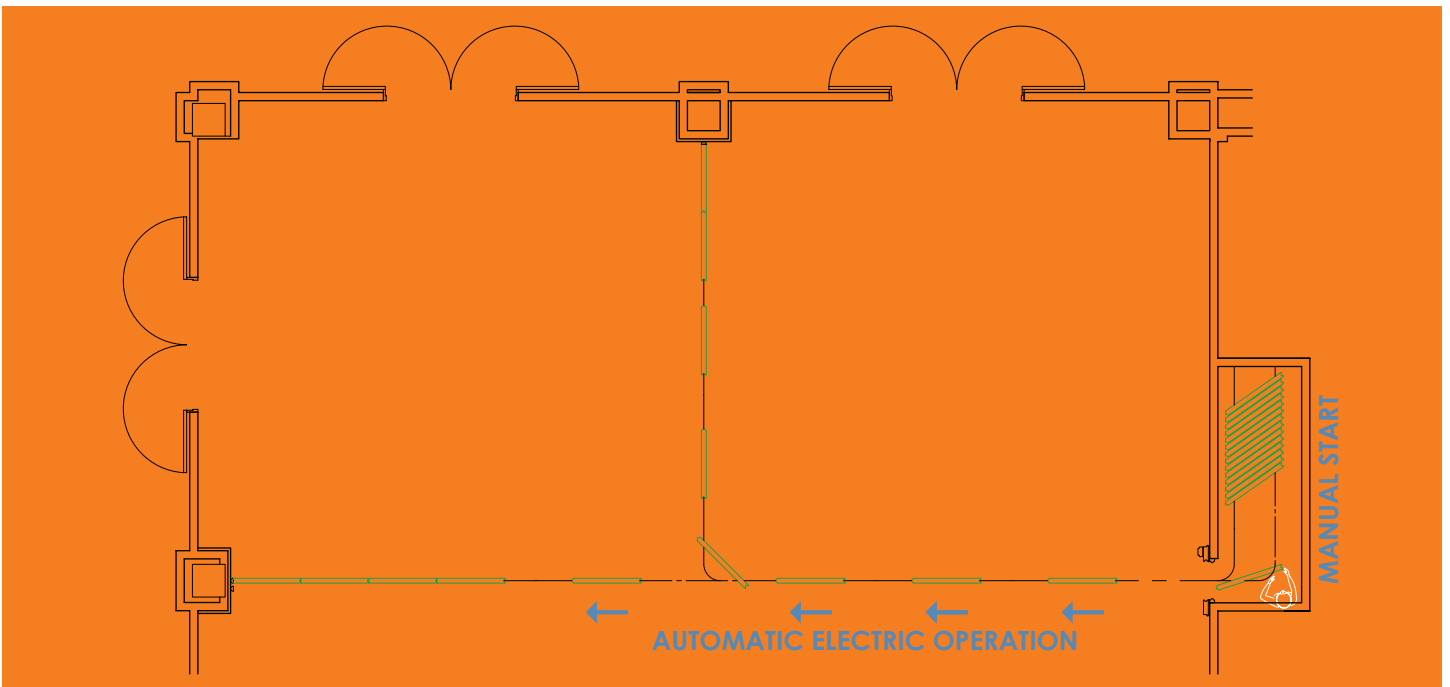
Project Units:
 Feet and Inches
 Meters

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SPACEMATIC



Introducing a unique method to move individual panels automatically to virtually any configuration required. Low voltage planetary gear motor drive controlled by programmable processor. A great time saver for large ball-rooms and exhibit spaces. *patent pending.
See video on website www.advancedequipment.com



Image

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

No floor track required for most models. Heights up to 30', widths for single panels 60", 96" and 180"

- Manual or Electric Operation
- Welded Tube Steel Frame
- Single or Double Glazed
- Panel Weight may range between 6.5 psf and 12 psf
- Powdercoat and Wood finish options
- Tynemic finish available



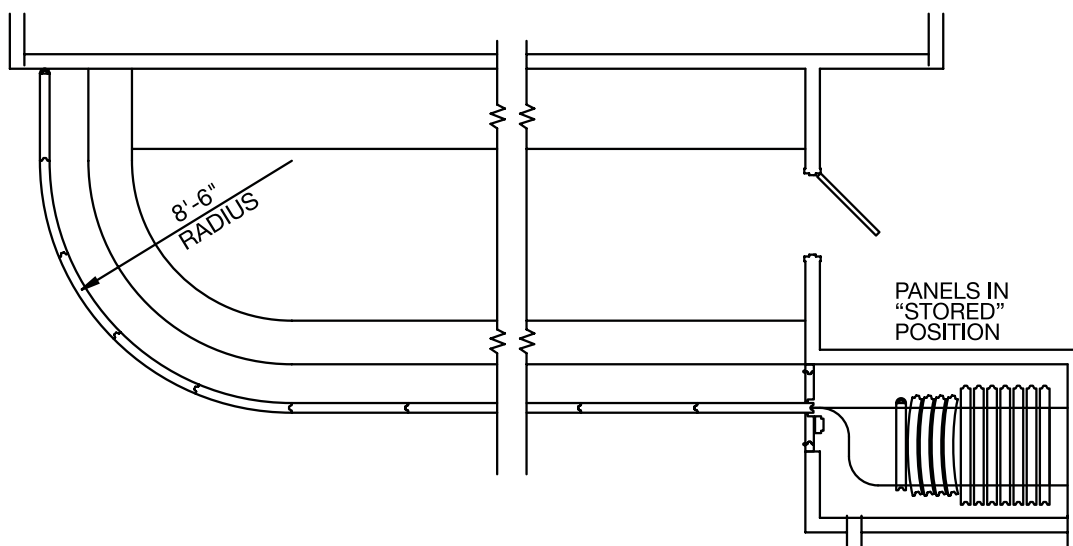
CURVE

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 that can be achieved with typical straight-line operable walls.

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.



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.





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equipment

C O R P O R A T I O N



WORLD CLASS[®] OPERABLE WALLS

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