PRODUCT DETAILS AND SPECIFICATIONS

ENVIRONMENTAL:

The E2 Walls, Inc. Series 225 Movable Wall System is constructed using ecologically sound materials and manufacturing processes. The Series 225 Movable Wall System may contribute to LEED (Leadership in Energy and Environmental Design) certification as part of a comprehensive process dedicated to sustainable site planning, water efficiency, energy efficiency, material conservation and overall environmental quality. Series 225 Movable Wall System is designed for sustainability and can be relocated many times throughout the life of a building. This greatly reduces construction landfill debris from a job site while reducing construction schedules. Series 225 Movable Wall System helps to minimize the office footprint by saving up to fifty percent of floor space required for conventional construction. Additionally, glass options bring natural daylight into the interior space through the use of Series 225, Chair Rail, and Full Height Glass fronts.

PRODUCT:

The E2 Walls, Inc. Series 225 Movable Wall System is a unique 24" wide all-gypsum unitized panel system with a (STC-37) sound rating; the panels can be manufactured to a maximum height of 12'-0". The panels are pre-finished in our manufacturing facility and can utilize a wide variety of Eco-Friendly vinyl and fabric wall coverings. All system components are extruded aluminum and have an anodized or paint finish on all exposed surfaces. The system utilizes a 4" rigid vinyl snap-on reusable base. The system incorporates Clerestory, Chair Rail, Sidelights, and Full Height Glass. The system also has the capability of providing Eco-Friendly pre-finished wood or glass, hinged or sliding door units. The system is 90 to 100 percent reusable.

SERVICE:

E2 Walls, Inc. is a service company committed to maintain a strategic inventory of raw materials. We are able to manufacture and deliver high quality products quickly, efficiently and economically. This "Service" commitment is continued by providing the initial, ongoing and future installations when changes are required. Our installation crews are highly trained in delivering and servicing our products.
ISOMETRIC ILLUSTRATION

SERIES 225
2\(\frac{1}{2}\)" MOVABLE PARTITION
FLAT PROFILE

Numbers in callouts refer to detail numbers on the pages that follow.

Note: The isometric illustration shown is for reference only. It depicts many common conditions, but not every condition is illustrated. Glazing is optional.
TYPICAL DETAILS

DETAIL 1
UNITIZED PANEL SECTION

PRE-FINISHED LAMINATED GYPSUM PANEL

DETAIL 2
TONGUE & GROOVE PANEL CONNECTION

PRE-FINISHED LAMINATED GYPSUM PANEL

DETAIL 2A
DOUBLE GROOVE PANEL WITH COREBOARD SPLINE (OPTIONAL)

PRE-FINISHED LAMINATED GYPSUM PANEL

COREBOARD SPLINE
DETAIL 6
FLOOR TRACK WITH SNAP-ON BASE

DETAIL 6A
FLOOR TRACK WITH GLUE-ON BASE (OPTIONAL)

DETAIL 6B
FLOOR TRACK WITH PANEL SHIM

DETAIL 6C
FLOOR TRACK WITH 3" PANEL LIFTER
DETAIL 10
90° SUB MODULE CORNER WITH RADIUS SNAP-ON

DETAIL 10A
90° SUB MODULE CORNER WITH SQUARE SNAP-ON

DETAIL 10B
90° SUB MODULE CORNER CONVERTED TO 3-WAY INTERSECTION

DETAIL 11
135° CORNER WITH GLAZING CLOSURE
DETAIL 15
CEILING RUNNER WITH FLUSH DOOR HEAD FILLER

DETAIL 15A
CEILING RUNNER WITH RECESSED DOOR HEAD FILLER

DETAIL 16
DOOR JAMB WITH GYPSUM PANEL

DETAIL 16A
DOOR JAMB WITH INTERSECTION EXTENSION AT DRYWALL
DETAIL 24
GLAZING MULLION WITH GYPSUM PANEL

DETAIL 25
GLAZING MULLION WITH GLAZING CLOSURE

DETAIL 26
SEAMLESS (BUTT-JOINT) GLAZING IN LIEU OF MULLIONS

DETAIL 27
HORIZONTAL GLAZING SILL WITH GLAZING CLOSURE
ELEVATIONS

DETAIL 34
WOOD DOOR & GLASS TRANSOM W/ SIDE LIGHT OPTIONS

A. WOOD DOOR W/ CLERESTORY TRANSOM & SIDE LIGHT
B. WOOD DOOR W/ GLASS TRANSOM & FULL HEIGHT SIDE LIGHT

DETAIL 35
ALUMINUM GLASS DOOR WITH GLASS TRANSOM & SIDE LIGHT OPTIONS

A. ALUMINUM GLASS DOOR W/ CLERESTORY TRANSOM & SIDE LIGHT
B. ALUMINUM GLASS DOOR W/ GLASS TRANSOM & FULL HEIGHT SIDE LIGHT

DETAIL 36
FULL HEIGHT WOOD DOOR & WOOD TRANSOM W/ SIDE LIGHT OPTIONS

A. FULL HEIGHT WOOD DOOR
B. WOOD DOOR W/ MATCHING WOOD TRANSOM
C. WOOD DOOR W/ NON-MATCHING WOOD TRANSOM

DETAIL 36A
WOOD DOOR VISION KIT OPTIONS

A. VISION KIT
B. VISION KIT (HALF-GLASS)
C. VISION KIT (FULL)
E2 WALLS SERIES 225
FLAT PROFILE SPECIFICATIONS

GENERAL:

The partition contractor shall furnish all labor, materials, tools and equipment necessary for the complete furnishing and installation of all relocatable partitions as shown on the drawings and/or schedules and as specified in accordance with provisions of the contract documents.

All work and installation of relocatable partitions shall be completely coordinated with that of all other trades.

All supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a sound, secure and complete installation shall be furnished as part of this work.

Partition contractor shall furnish all cutouts for switches, receptacles and data.

All conduits, devices and wiring furnished and installed by others.

Partition contractor shall furnish and install wall with the finishes as specified or as shown on the finish schedule.

QUALITY ASSURANCE:

Partition systems shall be installed by partition system contractor with minimum of five (5) years experience. Installers shall be thoroughly knowledgeable on installation of system and components.

APPROVED MANUFACTURERS:

E2 WALLS, INC.
TAMPA, FL
(888) 816-9816

Suppliers wishing to bid relocatable partitions other than the one herein specified as equal may do so with prior approval. Written request for approval must be received by the architect-engineer-owner seven (7) days prior to bid date. It will be the supplier's responsibility to coordinate their product with all other work.

JOB CONDITIONS:

Care will be exercised during installation to prevent any damage to the system and surrounding work already complete.

All work relating to floor finish materials and ceilings shall be complete before partition installation begins.

Coordinate work with other contractors to permit installation of electrical, data and communication systems.

General contractor shall furnish hoisting equipment and operating engineer at no expense to the partition contractor.

ENVIRONMENTAL CONDITIONS:

Temperature within the building shall be above a constant minimum of 55°F during erection of partition. When required, heat shall be furnished by the general contractor. Erection of the partition system shall not begin until building exterior provides complete protection from the outside weather. Gypsum face panels shall not be stored where they shall be subject to temperature, moisture or humidity extremes.

MATERIALS:

Wall system shall include all components, base, wall panels, stops, ceiling and floor tracks, anchors for floor and ceiling, trims, door frames, doors, finish hardware and miscellaneous materials required for installation of wall system.

Wall face panels shall be 5/8" thick (15.8 mm), Type "X" gypsum board and ribs shall be 1" thick gypsum manufactured by United States Gypsum Corporation. Note: Face panels manufactured from inorganic mineral fiber-board are not acceptable. 1" thick gypsum ribs formed by laminating together two (2) or more pieces of gypsum are not acceptable.

Doors shall be 1 3/4" thick. Doors to be supplied by the partition manufacturer. See door schedule for type and size.

Base shall be 4" high, rigid snap-on vinyl, attached to continuous floor runner. Color to be selected by owner and/or representative.

Aluminum extrusions shall be extruded from either a 6063T5 controlled alloy or 5010 billet, or equal. Standard profile for extrusions is flat. Projected profile extrusions are also available. Ask your sales representative.

EXTRUSION FINISHES:

ANODIZED:
Standard Commercial Clear Anodized
Medium Bronze Anodized

MECHANICAL:
C1 - Directional finish applies to exposed surfaces prior to anodizing.

Standard paint finishes and custom colors are available.
MISCELLANEOUS:

All attaching devices, screws, angles, clips, etc. shall be either aluminum, stainless steel or other non-corrosive material compatible with aluminum. Cadmium or zinc plated fasteners to be in accordance with ASTM Specifications #4-164-71 or A-165-71.

Two (2) sound and light seals, ½” x ½” polyurethane gasketing, shall be applied to all ceiling runners and all wall intersection extrusions.

Ceiling runner shall be pre-punched 12” O.C.

Where partitions are installed over carpeting; floor with carpet teeth shall be required, fasteners shall only be required at door openings.

DOOR FRAMES:

Frames shall be factory pre-mortised for all hinges and lock strikes. Hinge and strike reinforcements shall be factory pre-drilled and tapped. Job-site tapping or the use of self-drilling screws is unacceptable.

Jamb legs are to be a minimum of one inch (1”) longer than the specified length to allow for field cutting.

Light and sound seals shall be applied continuously around the perimeter of the head and jambs.

Angles and clips necessary to assure accurate joining of door head to jamb legs shall be factory installed.

All door frames and extrusions shall be delivered to the job-site paper-sleeved to protect the selected finishes and in cardboard cartons, securely banded, to protect against possible damage in transit.

PARTITION CONSTRUCTION:

Relocatable partitions shall consist of E2 Walls’ unitized gypsum board panels, factory laminated, 24” wide, 2½” thick, and shall provide a minimum of 1” x 12” of internal space to accommodate utilities.

Two and one-quarter inch (2¼”) thick chase wall unitized panels shall be faced both sides with ½” beveled edge gypsum board on 1” x 6” gypsum core board spaced 12” apart.

Panels shall be laminated with non-flammable adhesive.

POWER, DATA, AND COMMUNICATION SYSTEMS:

Partition system shall be capable of providing vertical and horizontal raceways.

All systems may be conventionally wired or cabled by use of the 12” wide vertical panel chase or vertical aluminum components, per local codes. The horizontal wireway is an optional feature that allows for the location of the systems in the base raceway. The raceway is accessible by the removal of the snap-on base.

A pre-engineered “quick” disconnect power system is available as an optional feature.

TESTS:

FIRE RATING - PANELS AND PANEL COMPONENTS:

Movable wall partitions, where indicated on the plans, shall have achieved a one-hour fire rating by an independent testing laboratory. (Limitation: Ceiling Height Maximum 12'-0”).

ACOUSTICAL PERFORMANCE:

Two and one-quarter inch (2¼”) relocatable partitions, so designated in the partition schedule, shall have been tested by an independent testing laboratory and achieved a sound transmission class (STC) of 37.

CLEAN-UP:

Clean all surfaces, touch up minor scratches and replace defective or damaged panels. Remove from the premises all rubbish and accumulated materials not usable. Leave work area in clean, orderly and acceptable condition.

WARRANTY:

Installation of all materials and workmanship furnished or performed to be free of defects for a period of one year.
<table>
<thead>
<tr>
<th>Product Description</th>
<th>INSIDE COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isometric Illustration</td>
<td>PG. 1</td>
</tr>
</tbody>
</table>

Panel Details
- 1. Unitized Panel Section  PG. 2
- 2. Tongue & Groove Panel  PG. 2
  - 2A. Double Groove Panel  PG. 2

Ceiling Details
- 3. Ceiling Runner  PG. 3
  - 3A. Ceiling Trim  PG. 3
- 4. Ceiling Runner w/ Blank Closure  PG. 3
- 5. Ceiling Runner w/ Glazing Closure  PG. 3

Floor Details
- 6. Floor Track w/ Snap-On Base  PG. 4
  - 6A. Floor Track w/ Opt. Glue-On Base  PG. 4
  - 6B. Floor Track w/ Panel Shim  PG. 4
  - 6C. Floor Track w/ 3" Panel Lifter  PG. 4

Intersection Details
- 7. Panel Intersection  PG. 5
- 8. Post Intersection  PG. 5
  - 8A. 3-way Post Intersection  PG. 5
- 9. Post Intersection w/ Radius Cap  PG. 5

Corner Details
- 10. Sub Module Corner w/ Radius Snap-on  PG. 6
  - 10A. Sub Module w/ Square Snap-On  PG. 6
  - 10B. Sub Module w/ 3-Way Conversion  PG. 6
- 11. 135° Corner  PG. 6
- 12. Post Corner w/ Blank Closure  PG. 7
- 13. 90° Corner  PG. 7

Finished End Details
- 14. Partition End Cap  PG. 7
  - 14A. H-Mullion w/ Radius Cap  PG. 7

Door Details
- 15. Ceiling Runner w/ Flush Door Head  PG. 8
  - 15A. Ceiling Runner w/ Recessed Head  PG. 8
- 16. Door Jamb w/ Gypsum Panel  PG. 8
  - 16A. Door Jamb w/ Int. Ext. at Drywall  PG. 8
- 17. Door Jamb w/ Glazing Closure  PG. 9
- 18. Sliding Door Hardware  PG. 9

Mullion Details
- 19. 1½" H-Mullion  PG. 9
  - 19A. 2½" H-Mullion  PG. 9

Glazing Details
- 20. Standard Glazing Riser w/ Snap-On Base  PG. 10
- 21. Glazing Head w/ Gypsum Panel  PG. 10
- 22. Glazing Sill at Floorline  PG. 10
- 23. Glazing Sill w/ Gypsum Panel  PG. 10
- 24. Glazing Mullion w/ Gypsum Panel  PG. 11
- 25. Glazing Mullion w/ Glazing Closure  PG. 11
- 26. Seamless Effect Glazing  PG. 11
- 27. Horizontal Glazing Sill w/ Glazing Closure  PG. 11

Cornice Height Details
- 28. Cornice Height Partition Cap  PG. 12
- 29. Cornice Ht. Part. Cap w/ Flush Door Head  PG. 12
- 30. Cornice Ht. Part. Cap w/ Blank Closure  PG. 12
- 31. Cornice Height Part. Cap w/ Glaz. Closure  PG. 12

Communications Details
- 32. Phone/Data Rough-In Section  PG. 13
- 33. Electrical Rough-In Section  PG. 13
  - 33A. Horizontal Wiring Raceway  PG. 13

Typical Door and Glazing Elevations
- 34. Wood Door w/ Glass Transom Options  PG. 14
- 35. Aluminum Glass Door Options  PG. 14
- 36. Full Height Wood Door & Wood Transom  PG. 14
  - 36A. Wood Door Vision Kit Options  PG. 14
- 37. Sliding Double Aluminum Glass Doors  PG. 15
  - 37A. Simple Sliding Barn-Door  PG. 15
- 38. Simple Pass-Thru  PG. 15
  - 38A. Operable Pass-Thru  PG. 15
- 39. F/H Glazing  PG. 16
- 40. Chair Rail Glazing  PG. 16
- 41. Clerestory Glazing  PG. 16
- 42. Box Glazing  PG. 16

Product Specifications (cont)  PG. 17

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SERIES 225 - MOVABLE WALL SYSTEM