

All M-Series Optima Stantron cabinets are designed and tested to withstand the shock and vibration of several mobile, seismic and mil-aero applications. This includes meeting earthquake Seismic Zone 4 event as defined in GR-63-CORE, without displaying any permanent deformation which impairs performance or operation. The M1 (single wall extrusion) meets NEBS Level 3 requirements and its modular construction makes it ideal for customizing to specific needs. For server applications requiring seismic performance in excess of industry standards the M2's double cavity, aluminum extrusion provides a substantial increase in seismic performance. Each application requires engineering review for equipment loads and rack position. Doors, side panels, top covers and bottom are available and designed to remain in place during a seismic event.

### Features:

- Heavy duty single or double walled extrusions
- Internal reinforcing corner keys, four way crimped and welded
- Corner sockets & corner members welded to meet: ANSI 329, BellcoreTR-63
- 7 gauge welded steel base with 11 gauge rails (10 gauge rails optional)
- Universal hard mounting to floor – bolt down base (ceiling or wall bracing optional)
- Vibration resistant hardware
- Standard Sizes:
  - Widths: 19", 23" and 24"
  - Heights: 12U, 16U, 20U, 24U, 30U, 35U, 40U, 44U (custom available)
  - Depths: 24", 30", 36", 42"
- Independent, removable side, top panel, bottom panel and doors
- Integrated cable management, power conditioning & cooling options

### Benefits:

- Meets seismic zone 4 per GR-63-CORE
- Customized engineering review based on customer specific load requirements
- EMC and NEMA rated versions (optional)
- Modular design reduces installation, upgrade and service time
- Wide range of industry standard sizes, cabling, cooling and power options
- Selection of contemporary color choices (custom color matching also available)
- Proven paint adhesion provides durable aesthetics

## Applications and Related Products

Optima Stantron's M-Series cabinets can be used in a wide range of applications.

- Mobile
- Computer / Server
- Test / Measurement
- Scientific
- MIL/Aero



# M-Series

## Reinforced Seismic Cabinets



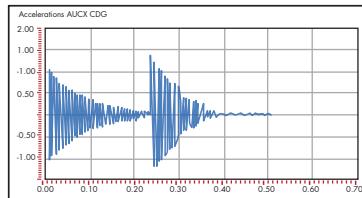
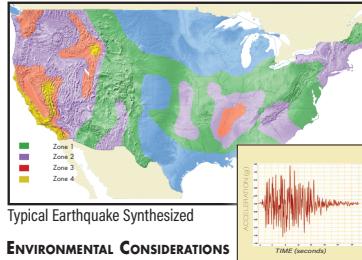
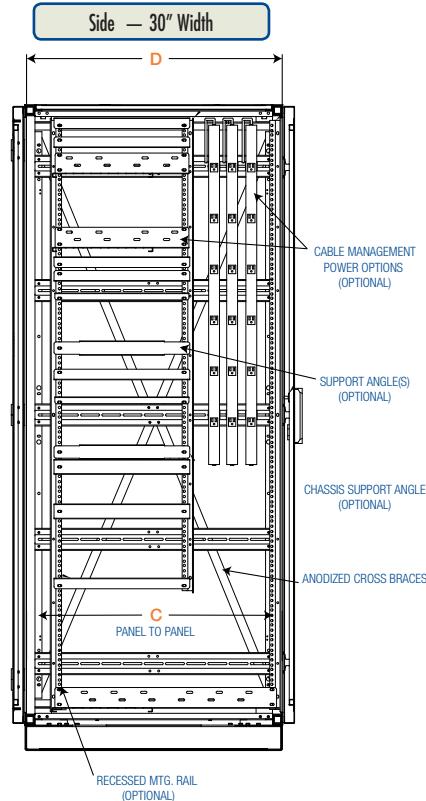
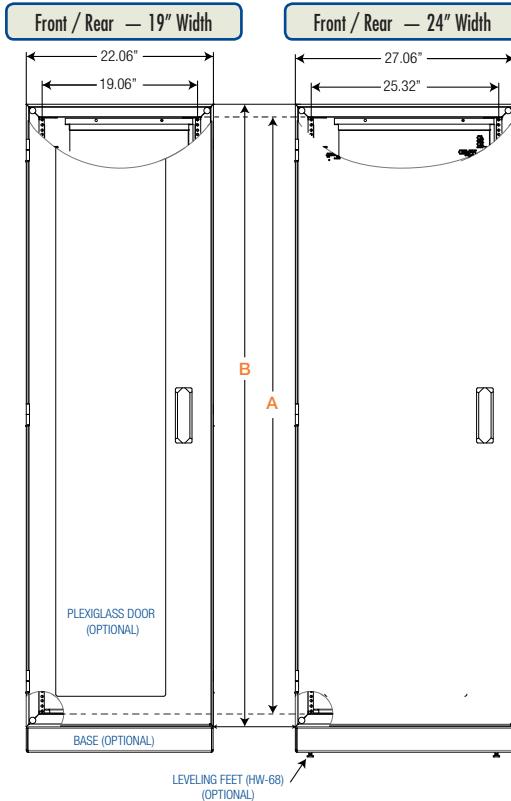
Shielded



Industrial



Military



U	A	B	C	D		
	inch	mm	inch	mm	Inch / mm	Inch / mm
12	21.12	536.45	24.12	612.65	24.00"	24.40"
16	28.12	714.25	31.12	790.45	(609.60mm)	(619.76mm)
20	35.12	892.05	38.12	968.25		
24	42.12	1069.85	45.12	1146.05	30.00"	30.40"
30	52.62	1336.55	55.62	1412.75	(762.00mm)	(722.16mm)
35	61.38	1559.05	64.38	1635.25		
40	70.12	1781.05	73.12	1857.25	36.00"	36.40"
44	77.12	1958.85	80.12	2035.05	(914.40mm)	(924.56mm)

**SCOPE OF SUPPLY:** Basic cabinet includes: 1 x frame, 2 x mounting rails (pairs, with 10A clip nuts and panel screws), 1 x base, 1 x top panel, painted and assembled

Please contact us at [sales@elma.com](mailto:sales@elma.com) or 770-496-4000 for more details

Optima Stantron's M-Series cabinet is compliant with the following specifications:

- Seismic Zone 4 • EMC • NEMA
- MIL-STD-901D • MIL-STD-461 • MIL-STD-810F
- MIL-STD-167 • MIL-STD-188