VMRK Series
19" video rack enclosure

designed to maximize space and take full advantage of ceiling height, the VMRK-54 gangable broadcast video rack provides 54 spaces of racking height while still maintaining a slim 22" standard width

features:

- Fully welded construction provides the following weight capacities - UL Listed load capacity: 2,500 lbs. - Seismic certified load capacity: 640 lbs.

- 54 spaces of racking height - extra height allows for the mounting of additional equipment in the same floor space

- Fully adjustable, 10-32 threaded front and rear rackrail with numbered rackspace increments

- 1/2", 3/4", 1", & 1-1/2", electrical knockouts on split rear plates top & bottom easily removable for cable pass-through, top plates additionally include UHF / VHF knockouts

- Latching rear door standard

- Optional keylocked split side panels available

- Optional solid, fully vented, & plexi front doors available

- Open top with configurable top panel options

- Top rail option available

- Seismic Certified (when used with MRK-Z4 option) with an Ip value of 1.5

- Durable black textured powder coat finish

- UL Listed in the US and Canada

VMRK-54

specifications:

EIA compliant 19" equipment rack shall be Middle Atlantic Products model #VMRK-54 (-36). Overall dimensions of rack shall be 100.625" H x 22" W x ___ " D (31.4", 36"), with 54 useable rackspaces. Fully welded construction provides a UL Listed 2,500 lb. weight capacity. Rackrail shall be 11-gauge steel with tapped 10-32 holes in universal EIA spacing. Rack shall include a locking, latching rear door. Rackrail shall have numbered spaces. VMRK-54 shall be of fully welded construction, finished in a durable black powder coat. The VMRK-54 shall have a solid latching rear door. Rack shall have removable top and bottom split rear knockout panels with 1/2", 3/4", 1" and 1-1/2" electrical knockouts and BNC knockouts for UHF/VHF antennae in the top only. Grounding and bonding stud shall be 1/4-20 threaded, installed in base of enclosure. VMRK Series enclosures shall satisfy the 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity, Seismic Use Group III, Zone 4 or Seismic Design Category (SDC) "D" with lateral force requirements for protecting 640 lbs. of essential equipment in locations with the highest level of seismicity and top floor or rooftop installations with an Importance factor (Ip) of 1.5 when used with MRK-Z4 seismic floor anchor bracket. Rack shall be UL Listed in the US and Canada. VMRK shall be GREENGUARD Gold Certified. VMRK shall be RoHS EU Directive 2002 / 95 / EC compliant. VMRK shall be manufactured by an ISO 9001 and ISO 14001 registered company. Rack shall be warrantied to be free from defects in material or workmanship under normal use and conditions for the lifetime of the rack.

Customizable specification clips available at middleatlantic.com

RoHS | c(UL)us LISTED | (UL) GREENGUARD GOLD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818

SEISMIC CERTIFIED

options:

- Front doors shall be model # FD-54 (solid), VFD-54 (vented), PFD-54 (plexi)

- Keylocked side panels shall be model # SPN-54-(312,36) (side panels are split into 2 panels per side and come in 4 pieces)

- Top panels, multiple styles available including model # MW-ST (solid top), MW-VT (vented top), MW-4FT (accepts four 4 1/2" fans), MW-6FT (accepts three 6" fans), MW-10FT (accepts one 10" fan) # MW-LA (accepts 6" & 12" wide cable ladders) and MV-PVT (31, 36) (vented pagoda adds 1.41" to top of rack) See A&E spec 96-01063 for more details

- Additional rail kit, 54 space 10-32 threaded pair, model # VRR-54

- Lacer strip, heavily perforated, 77" long, 11-gauge steel, model # LACE

- Top rail option, 13 space - model # MW-TR

- Riser bases, model # RIB-X-MRK-(31,36) (X= number of bays)

- Seismic compliancy floor anchor brackets shall be model # MRK-Z4

what **great systems** are built on.™

MIDDLE ATLANTIC PRODUCTS

VMRK Series
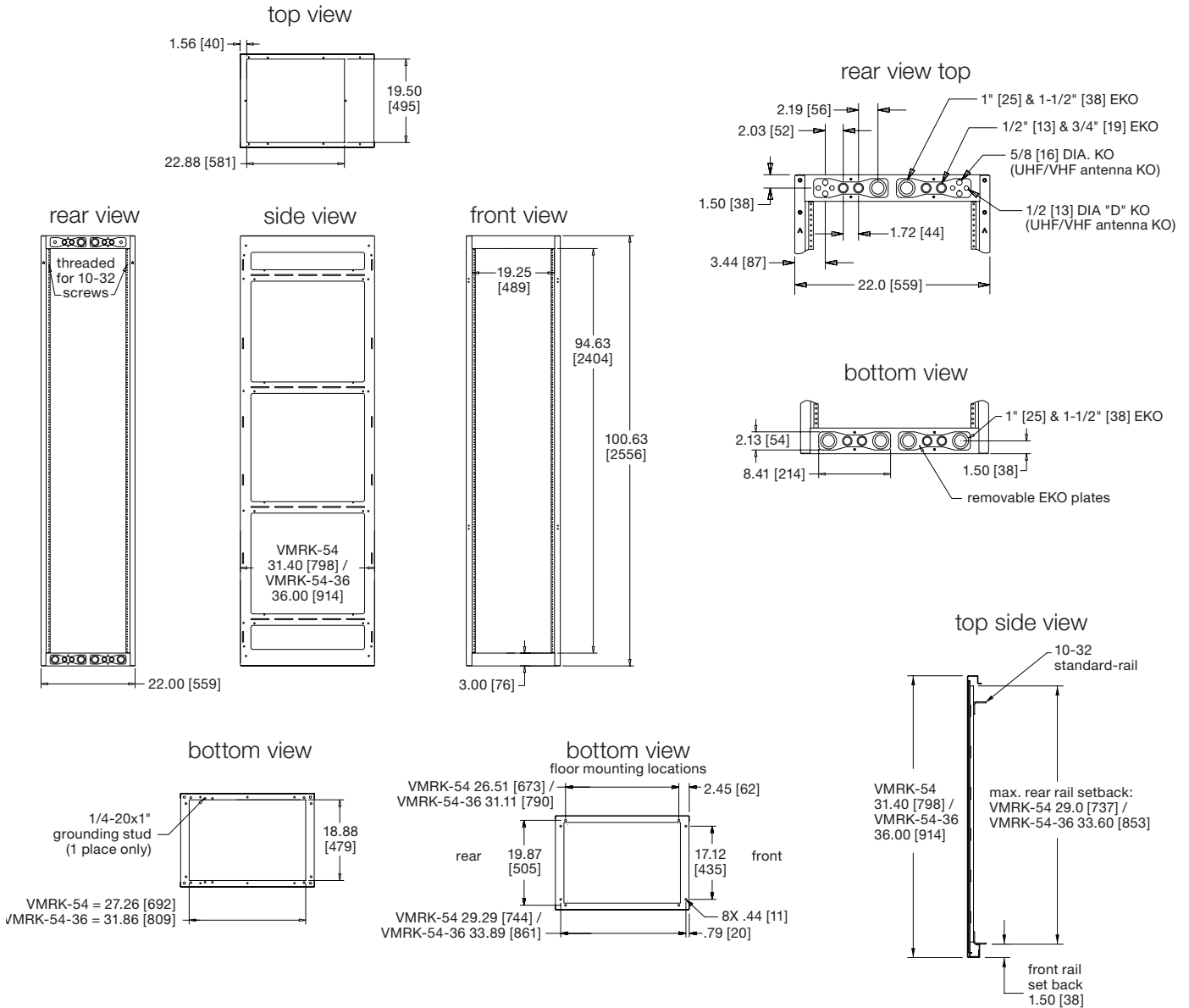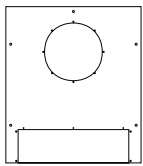## basic dimensions

all dimensions in inches unless otherwise noted [all dimensions in brackets are in millimeters]

top view

1.56 [40]
19.50 [495]
22.88 [581]

rear view top

2.19 [56]
2.03 [52]
1.50 [38]
3.44 [87]
1.72 [44]
22.0 [559]

1" [25] & 1-1/2" [38] EKO
1/2" [13] & 3/4" [19] EKO
5/8 [16] DIA. KO (UHF/VHF antenna KO)
1/2 [13] DIA "D" KO (UHF/VHF antenna KO)

rear view

threaded for 10-32 screws

22.00 [559]

side view

VMRK-54 31.40 [798] /
VMRK-54-36 36.00 [914]

front view

19.25 [489]
94.63 [2404]
100.63 [2556]
3.00 [76]

bottom view

1" [25] & 1-1/2" [38] EKO
2.13 [54]
8.41 [214]
1.50 [38]
removable EKO plates

top side view

10-32 standard-rail

VMRK-54 31.40 [798] /
VMRK-54-36 36.00 [914]

max. rear rail setback:
VMRK-54 29.0 [737] /
VMRK-54-36 33.60 [853]

front rail set back 1.50 [38]

bottom view

1/4-20x1" grounding stud (1 place only)

18.88 [479]

VMRK-54 = 27.26 [692]
VMRK-54-36 = 31.86 [809]

bottom view
floor mounting locations

VMRK-54 26.51 [673] /
VMRK-54-36 31.11 [790]
2.45 [62]
rear
19.87 [505]
17.12 [435]
front
VMRK-54 29.29 [744] /
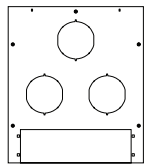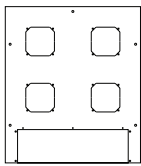VMRK-54-36 33.89 [861]
8X .44 [11]
.79 [20]

Top Options
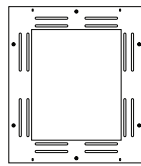(removable plate opening accomodates 2 space panel)

MW-10FT accepts 10" fan
MW-10FT-550CFM includes 10" fan
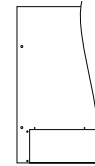MW-10FT-FC includes 10" fan and fan controller

MW-6FT accepts 6" fans
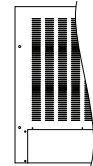MW-6FT-660CFM includes 6" fans

MW-4FT accepts 4-1/2" fans
MW-4FT-380CFM includes 4-1/2" fans
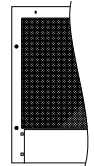MW-4QFT-FC includes 4-1/2" quiet fans and fan controller

MW-LA accepts 6", 9" and 12" width cable ladder

MW-ST solid

MW-VT slot vent

MW-LVT 64% open area

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