

## BGR SERIES 19" GANGABLE ENCLOSURES

The #1 AV Enclosure with innovative installation and servicing features designed to save time and labor.

#### **FEATURES**

- All BGRs are now equipped with the revolutionary Forward rackrail giving you the ability to use Forward blank panels, vent panels horizontal cable management and vertical cable management
- Provides more rackspace in a smaller overall height than similar racks
- Accepts patented Lever Lock™ tool free and hardware free internal device and cable management system accessories
- Fully welded construction provides the following weight capacities: UL Listed load capacity: 3,000 lbs., Seismic certified capacity: 1,175 lbs.
- Pre-threaded ganging holes allow for rack joining after loading
- Rackrail depth indicators
- 1/2", 3/4", 1" & 1-1/2" electrical knockouts and 5/8" and 1/2" D UHF/VHF antennae knockouts on rear top and bottom, easily removable for cable pass-through. Top cable management plate (38 space and up) includes 1/2", 3/4", 1" 1-1/2" & 3" electrical knockouts and 5/8" and 1/2" D UHF/VHF antennae knockouts
- 23" OD width, multiple depths
- Two pairs of 11-gauge, Forward rackrail with numbered rackspace increments
- Optional stackable 3" extender bay available for front and rear
- Optional curved and beveled front doors in solid, vented and plexiglass styles
- Front and Rear Doors include a swing handle installed in an industry standard 25mm wide x 150mm high cutout.
- Attractive interior bevels
- Configurable open top with vertical cable management entry points
- Durable black textured powder coat finish
- Seismic certified (when used with BGR-Z4 or BGR-ISO-Z4 option) with an Ip value of 1.5
- UL Listed in the US and Canada









BGR shown with beveled door and side panels



## BGR SERIES 19" GANGABLE ENCLOSURES

#### **OPTIONS**

- Lever Lock "tool free and hardware free internal device and cable management system accessories shall be model # LL-XXYY (XX = type, YY = size, refer to legrandav.com for additional details)
- Curved front doors shall be model # VFD-XXA (vented, 64% open area), PFD-XXA (plexi), (XX= # of rackspaces)
- Beveled front doors shall be model # BFD-XX (solid), BVFD-XX (vented, 64% open area), BPFD-XX (plexi), (XX= # of rackspaces)
- Front or Rear Extender, adds 3" of usable depth, model # BGR-\_\_-EXT3 (41,45)
- Cable Chase option mounts in between BGR racks and has
  a 4.4" width. Model # shall be BGR-CC-XXFB (XX = # of
  rackspaces) for the Front and Back panels and BGR-CC-YYLT
  (YY = Rack Depth) for the Top panel with LKOs
- Cable entry rear door, shall be model # BGR-RDC\_\_\_ (19, 25, 38, 41, 45)
- Inner platform base shall be BS-BGR
- Forward UPS Caster Base shall be FWD-CBS-2KVA-BGRXX and have a weight capacity of 1,038 lbs. and raise total rack height 7.42" (XX=Depth)
- Forward UPS Base shall be FWD-BS-2KVA-BGRXX and raise total rack height 5.66" (XX=Depth)
- Caster kit shall add 1" to overall height, include four casters with a 1,100 lb. weight capacity, and shall be model # CBS-BGR
- Rear rail kit shall be model # FWD-BGR-RRXX (XX=# of rackspaces)
- Removable keylocked side panels shall be model # BSPN-XX-YY (XX=rackspaces, YY=depth)
- Seismic Zone 4, Seismic Use Group III and Seismic Design Category "D" compliancy kit shall be model # BGR-Z4
- Seismic Zone 4, Seismic Use Group III and Seismic Design Category "D" compliancy and isolation kit shall be model # BGR-ISO-Z4
- Seismic Zone 4, Seismic Use Group III and Seismic Design Category "D" riser bases shall be SRB-(1,2,3)-BGR-(32, 38)24
- Isolation kit shall be model # BGR-ISO
- Front decorative trim shall be BGR-TRIM\_\_(45,41,38, 25, 19) and shall include the following colors: Green (pre-installed), Red, Black, Blue & White



## BGR SERIES 19" GANGABLE ENCLOSURES

#### **SPECIFICATIONS**

EIA compliant 19" gangable equipment rack shall be Middle Atlantic Products model #BGR-\_\_-\_(see chart for available models). Overall dimensions of BGR shall be (refer to chart). Useable height of BGR shall be \_\_ rackspaces, useable depth shall be\_\_" (refer to chart). BGR shall come equipped with two pairs of fully adjustable steel rackrail with two 10-32 threaded holes per side of each marked rackspace, and a cage-nut style mount that is compatible with tool-free Forward Series rackmount accessories. BGR rackrail shall include cable management lacing provisions and accept tool-free Forward Series cable management accessories. BGR shall have .100"thick steel along rackrail brackets, .310" thick steel at corners. BGR shall include vented locking and latching rear door, which shall be capable of accepting up to six 4-1/2" fans. Top and bottom of BGR shall feature vertical slotted vent pattern for ventilation. BGR shall have two 1" x 7"rear obround knockouts with 1/2", 1", 1-1/4" and 1-1/2" electrical knockouts and 5/8" and 1/2" D UHF/ VHF antennae knockouts in base and top. BGR shall have a configurable open top with vertical cable management entry points. BGR shall accept patented LeverLock™ tool free and hardware free internal cable and device management system accessories. BGR shall have pre-threaded 5/16"-18 ganging holes. BGR shall be capable of ganging while fully loaded, using bolts only. BGR shall have marked rackrail depth indicators. BGR shall be of fully welded construction. BGR shall be finished in an environmentally friendly, durable black powdercoat. Grounding and bonding studs shall be 1/4-20 threaded, installed in top and base of enclosure (19 and 25 space have stud in bottom only). Fully welded construction shall provide a UL Listed load capacity of 3,000 lbs. BGR Series enclosures shall satisfy the 1997 UBC; 2001, 2007 & 2010 CBC; 2000, 2003, 2006 & 2009 IBC; ASCE 7-02, ASCE 7-05, ASCE 7-10 and the 2003, 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 1,175 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 BGR-Z4 or BGR-ISO-Z4 (isolated) seismic floor anchor bracket. BGR is OSHPD OPM pre-approved for installations in California healthcare facilities. BGR shall be UL Listed in the US and Canada. BGR shall be GREENGUARD Gold Certified. BGR shall be manufactured by an ISO 9001 and ISO 14001 registered company. BGR enclosure shall be warrantied to be free from defects in material or workmanship under normal use and conditions for the lifetime of the rack.

PART#	RACKSPACES	"A" OVERALL HEIGHT	"B" RACKING HEIGHT	"C" DEPTH	"D" USEABLE DEPTH
BGR-1927	19	37.375 [949]	33.375 [848]	27 [686]	24.4 [620]
BGR-2527	25	47.875 [1216]	43.875 [1114]	27 [686]	24.4 [620]
BGR-3827	38	70.625 [1794]	66.625 [1692]	27 [686]	24.4 [620]
BGR-4127	41	75.875 [1927]	71.875 [1826]	27 [686]	24.4 [620]
BGR-4527	45	82.875 [2105]	78.875 [2003]	27 [686]	24.4 [620]
BGR-2532	25	47.875 [1216]	43.875 [1114]	32 [812]	29.4 [747]
BGR-3832	38	70.625 [1794]	66.625 [1692]	32 [812]	29.4 [747]
BGR-4132	41	75.875 [1927]	71.875 [1826]	32 [812]	29.4 [747]
BGR-4532	45	82.875 [2105]	78.875 [2003]	32 [812]	29.4 [747]
BGR-4138	41	75.875 [1927]	71.875 [1826]	38 [965]	35.4 [899]
BGR-4538	45	82.875 [2105]	78.875 [2003]	38 [965]	35.4 [899]











# BGR SERIES PRE-CONFIGURED FOR AV SYSTEMS

A pre-configured BGR Built for today's AV systems. The accessories and options included with the Pre-Configured BGR for AV are exactly what you need to deliver an optimized AV system.

#### **INCLUDES**

#### **PANELS**

- (4) Forward 1RU flanged blank panels (FWD-EB1)
- (2) Forward 2RU flanged blank panels (FWD-EB2)

#### HORIZONTAL CABLE MANAGEMENT

- (1) 4pk of Forward straight horizontal lacer bar (FWD-LB-1A-4PK)
- (1) 4pk of Forward 2" offset horizontal lacer bar (FWD-LB-2A-4PK)

#### VERTICAL CABLE MANAGEMENT

- (1) Forward Vertical Wire Grid Lace (FWD-LACE-WB3-XX-XX\*)
- (1) Forward Vertical Cable Management Lace (FWD-LACE-UMV-XX-XX\*)
- (2) Lever Lock<sup>™</sup> vertical channel (LL-VC21)

#### CABLE MANAGEMENT ACCESSORIES

- (1) 15pk of Forward tie saddles (FWD-TSW-15)
- (2) Velcro<sup>®</sup> straps for tie saddles (TW12)

#### SMALL DEVICE MOUNTING

- (2) 4pk of Forward small device clamps (FWD-SIDECLMP-4)
- (1) Lever Lock" plate for small device mounting (LL-VP2110)

#### THERMAL MANAGEMENT

• (1) DC fan top (IBGR-276FT-FC)

#### **OPTIONS**

- (1) Solid front door (BFD-XX\*)
- (1) Pair of side panels (BSPN-XX-YY\*)
- (1) set of leveling feet (LF-HD)

#### HARDWARE

• (100) 10-32 threaded rackscrews (HP)











<sup>\*</sup>See compatibility matrix for full part number.



## BGR SERIES PRE-CONFIGURED FOR AV SYSTEMS

#### **SPECIFICATIONS**

EIA compliant pre-configured 19" gangable AV equipment rack shall be Middle Atlantic Products model #BGR-\_\_-AV (see chart for available models). Overall dimensions of BGR shall be  $\_$  "H x 23"W x  $\_$  "D (refer to chart). Useable height of BGR shall be \_ \_ rackspaces, useable depth shall be \_ \_"D (refer to chart). BGR shall come equipped with two pairs of fully adjustable steel rackrail with two 10-32 threaded holes per side of each marked rackspace, and a cage-nut style mount that is compatible with tool-free Forward Family rackmount accessories. BGR rackrail shall include cable management lacing provisions and accept tool-free Forward Family cable management accessories. BGR shall have .100"thick steel along rackrail brackets, .310" thick steel at corners. BGR shall include vented locking and latching rear door, which shall be capable of accepting up to six 4-1/2" fans. Top and bottom of BGR shall feature vertical slotted vent pattern for ventilation. BGR shall have two 1" x 7"rear obround knockouts with 1/2", 1", 1-1/4" and 1-1/2" electrical knockouts and 5/8" and 1/2" D UHF/ VHF antennae knockouts in base and top. BGR shall accept patented Lever Lock™ tool free and hardware free internal cable and device management system accessories. BGR shall have pre-threaded 5/16"-18 ganging holes. BGR shall be capable of ganging while fully loaded, using bolts only. BGR shall have marked rackrail depth indicators. BGR shall be of fully welded construction. BGR shall be finished in an environmentally friendly, durable black powdercoat. Grounding and bonding studs shall be 1/4-20 threaded, installed in top and base of enclosure. BGR shall include side panels, leveling feet, 276 CFM fan top, solid front door, rackscrews, Lever Lock™ panels and Forward Family blank panels, lacer bars, lace strips, lighting and other cable management accessories. Fully welded construction shall provide a UL Listed load capacity of 3,000 lbs. BGR shall be UL Listed in the US and Canada. BGR shall be GREENGUARD Gold Certified. BGR enclosure shall meet the RoHS EU Directive 2011/65/EU. BGR shall be manufactured by an ISO 9001 and ISO 14001 registered company. BGR enclosure and sheet metal accessories shall be warrantied to be free from defects in material or workmanship under normal use and conditions for the lifetime of the product, power shall be warrantied for a period of 3 years.



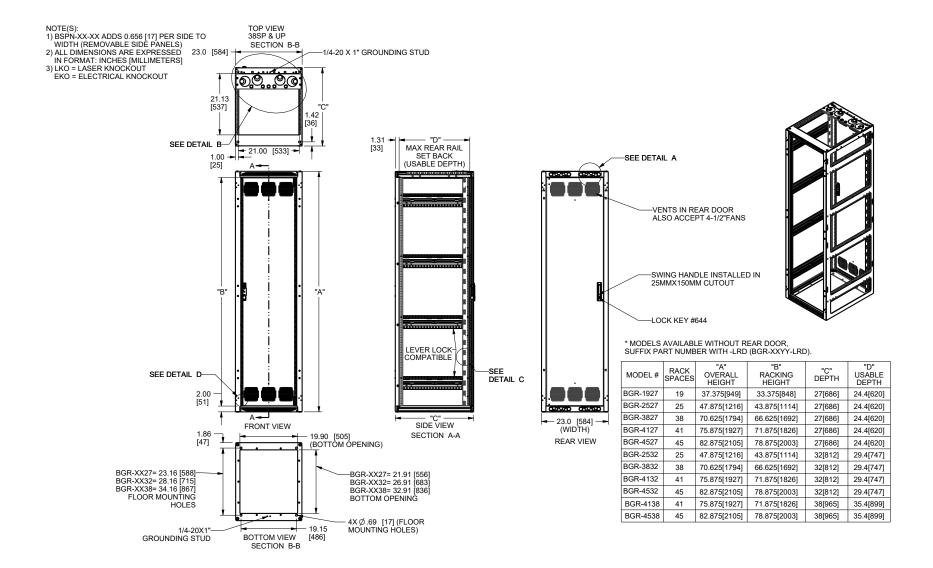






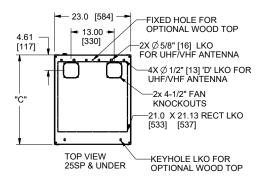


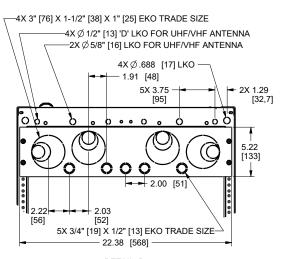
#### **BASIC DIMENSIONS**



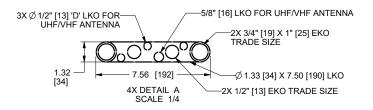


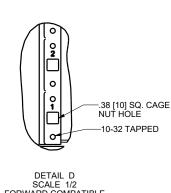
#### **BASIC DIMENSIONS**





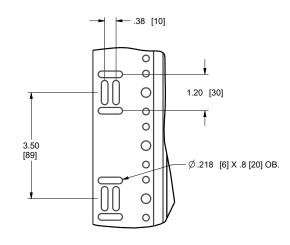
DETAIL B SCALE 5/32 TOP PANEL DETAIL 38SP & UP ACCEPTS TOP PANELS ONLY NOT STANDARD RACK PANELS





FORWARD COMPATIBLE RACKRAIL

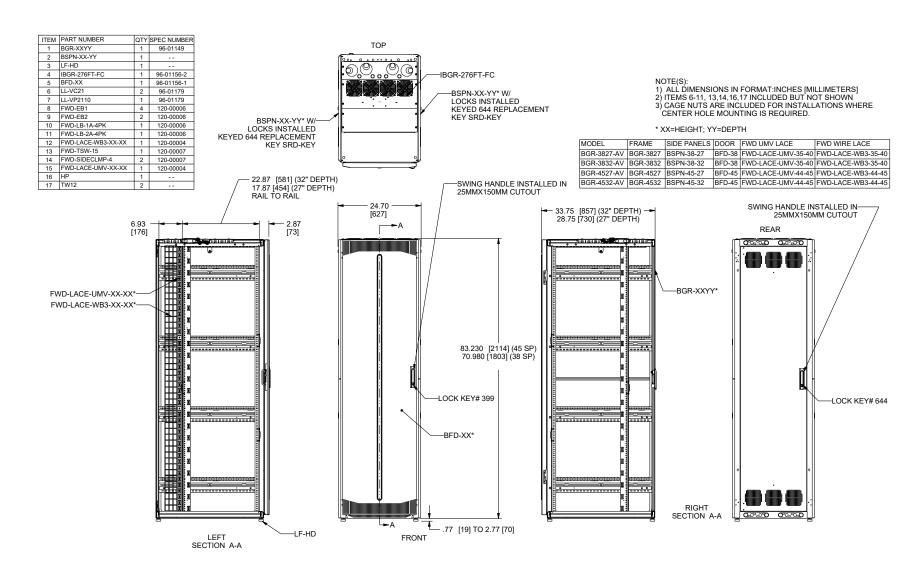
CAGE NUTS ARE INCLUDED FOR INSTALLATIONS WHERE CENTER HOLE MOUNTING IS REQUIRED.



DETAIL C SCALE 1/2 REAR RACKRAIL COMPATIBLE WITH ALL FORWARD CABLE MANAGEMENT ACCESORIES

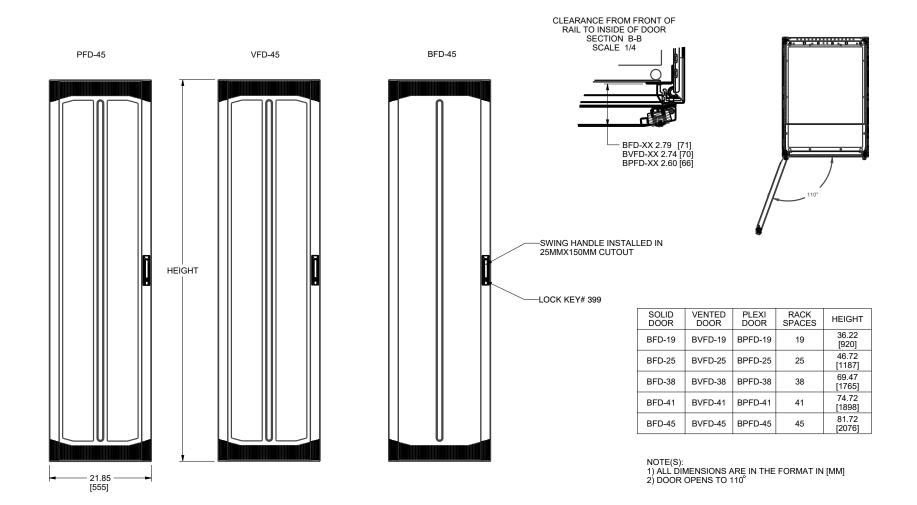


#### PRE-CONFIGURED FOR AV BASIC DIMENSIONS



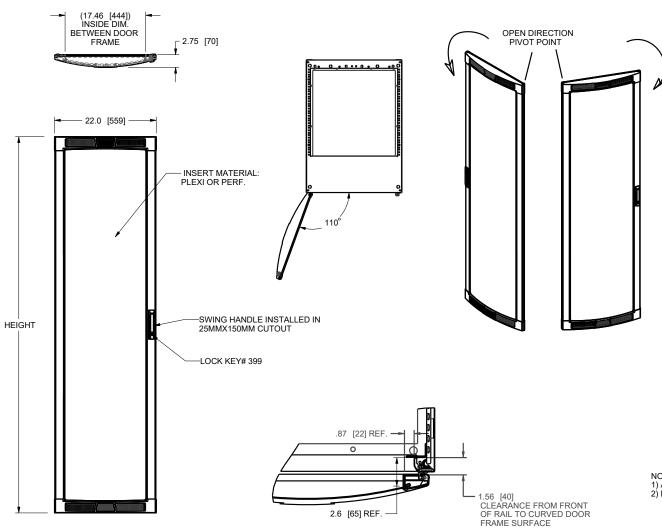


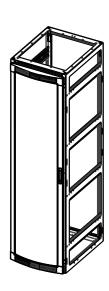
#### **DOOR BASIC DIMENSIONS**





#### **DOOR BASIC DIMENSIONS**





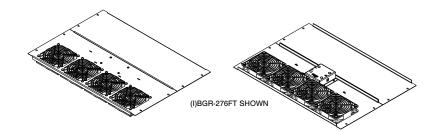
VENTED DOOR	PLEXI DOOR	RACK SPACES	HEIGHT
BVFD-19A	BPFD-19A	19	35.97 [913]
BVFD-25A	BPFD-25A	25	46.47 [1180]
BVFD-38A	BPFD-38A	38	69.22 [1758]
BVFD-41A	BPFD-41A	41	74.47 [1891]
BVFD-45A	BPFD-45A	45	81.47 [2069]

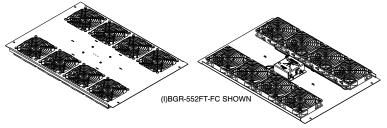
NOTE(S): 1) ALL DIMENSIONS ARE IN THE FORMAT IN and [mm] 2) DOOR OPENS TO 110°

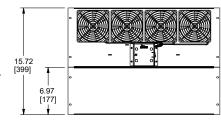


#### FAN TOP BASIC DIMENSIONS

PART NUMBER	FAN CONTROL	FAN QUANTITY	AIRFLOW CFM [M3/MIN]	NOISE @ FULL SPEED	CURRENT DRAW
(I)BGR-276FT		4	276 [7.8]	35 dBA	620mA @ 12VDC
(I)BGR-276FT-FC	x	4	276 [7.8]	35 dBA	620mA @ 12VDC
(I)BGR-552FT		8	552 [15.6]	38 dBA	1.24A @ 12VDC
(I)BGR-552FT-FC	х	8	552 [15.6]	38 dBA	1.24A @ 12VDC
BGR-276FT-EU		4	276 [7.8]	35 dBA	620mA @ 12VDC
BGR-552FT-EU		8	552 [15.6]	38 dBA	1.24A @ 12VDC



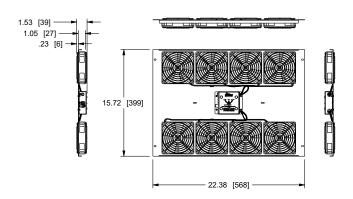


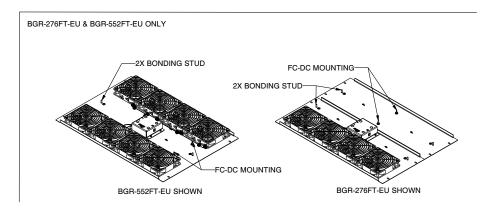


NOTE(S):

1. ALL DIMENSIONS SHOWN: IN [MM]

2. TURN ON TEMPERATURE FOR FAN CONTROLLED
MODELS CAN BE SET AT 75F (24C), 80F (27C), 85F (29C),
OR 90F (32C). ALARM CAN BE SET AT 95F (35C) OR 100F (38F).
3. "I" PREFIX INDICATES INTERNATIONAL FAN TOP MODELS.
"-EU" SUFFIX INDICATES EUROPEAN FAN TOP MODELS.
INTERNATIONAL & EUROPEAN MODELS COME WITH A UNIVERSAL
VOLTAGE PLUG-IN POWER SUPPLY AND ADAPTERS.



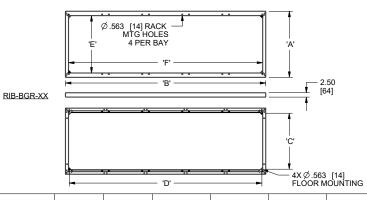




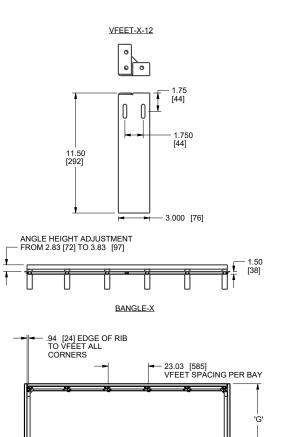
#### RISER BASE BASIC DIMENSIONS

NOTE(S):

1. DIMENSION FORMAT SHOWN IN [MM]
2. 27", 32" AND 38" DEEP MODELS ARE
REPRESENTED IN THIS DRAWING.
(RIB-X-BGR-27 / RIB-X-BGR-32 / RIB-X-BGR-38)



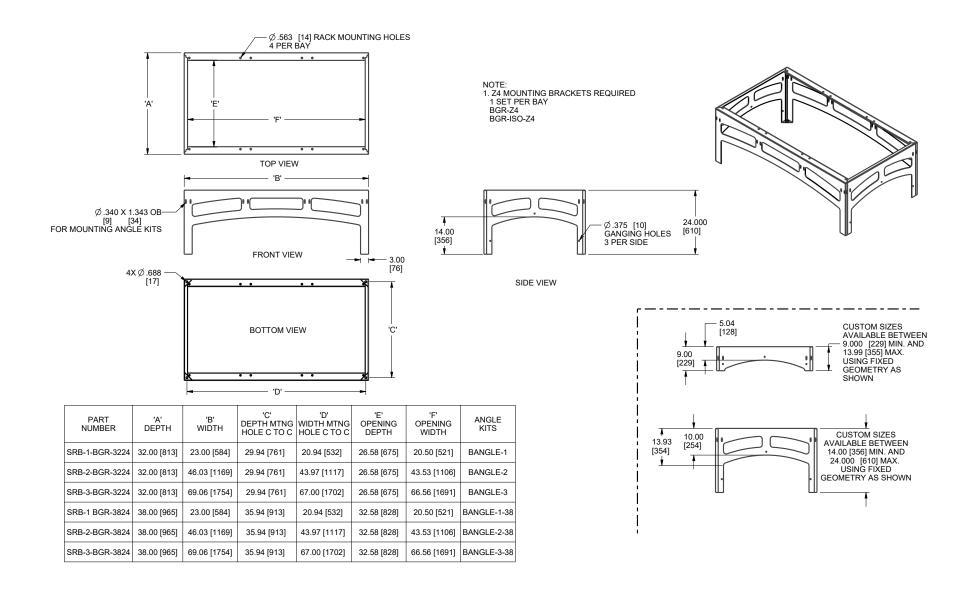
PART NUMBER	'A' DEPTH	'B' WIDTH	'C' DEPTH MTNG HOLE C TO C	'D' WIDTH MTNG HOLE C TO C	'E' OPENING DEPTH	'F' OPENING WIDTH	VFEET (QTY OF FEET)	ANGLE	'G' ANGLE DEPTH	'H' ANGLE WIDTH
RIB-1-BGR-27	27.00 [686]	23.00 [584]	21.18 [538]	18.62 [473]	22.00 [559]	19.5 [495]	VFEET-1-12 (4)	BANGLE-1	30.00 [762]	22.75 [578]
RIB-1-BGR-32	32.00 [813]	23.00 [584]	26.18 [665]	18.62 [473]	27.00 [686]	19.5 [495]	VFEET-1-12 (4)	BANGLE-1	30.00 [762]	22.75 [578]
RIB-1-BGR-38	38.00 [965]	23.00 [584]	32.18 [817]	18.62 [473]	33.00 [838]	19.5 [495]	VFEET-1-12 (4)	BANGLE-1-38	41.00 [1041]	22.75 [578]
RIB-2-BGR-27	27.00 [686]	46.03 [1169]	21.18 [538]	41.65 [1058]	22.00 [559]	42.53 [1080]	VFEET-2-12 (6)	BANGLE-2	30.00 [762]	45.78 [1163]
RIB-2-BGR-32	32.00 [813]	46.03 [1169]	26.18 [665]	41.65 [1058]	27.00 [686]	42.53 [1080]	VFEET-2-12 (6)	BANGLE-2	30.00 [762]	45.78 [1163]
RIB-2-BGR-38	38.00 [965]	46.03 [1169]	32.18 [817]	41.65 [1058]	33.00 [838]	42.53 [1080]	VFEET-2-12 (6)	BANGLE-2-38	41.00 [1041]	45.78 [1163]
RIB-3-BGR-27	27.00 [686]	69.06 [1754]	21.18 [538]	64.68 [1643]	22.00 [559]	65.56 [1665]	VFEET-3-12 (8)	BANGLE-3	30.00 [762]	68.81 [1748]
RIB-3-BGR-32	32.00 [813]	69.06 [1754]	26.18 [665]	64.68 [1643]	27.00 [686]	65.56 [1665]	VFEET-3-12 (8)	BANGLE-3	30.00 [762]	68.81 [1748]
RIB-3-BGR-38	38.00 [965]	69.06 [1754]	32.18 [817]	64.68 [1643]	33.00 [838]	65.56 [1665]	VFEET-3-12 (8)	BANGLE-3-38	41.00 [1041]	68.81 [1748]
RIB-4-BGR-27	27.00 [686]	92.09 [2339]	21.18 [538]	87.71 [2228]	22.00 [559]	88.59 [2250]	VFEET-4-12 (10)	BANGLE-4	30.00 [762]	91.84 [2333]
RIB-4-BGR-32	32.00 [813]	92.09 [2339]	26.18 [665]	87.71 [2228]	27.00 [686]	88.59 [2250]	VFEET-4-12 (10)	BANGLE-4	30.00 [762]	91.84 [2333]
RIB-4-BGR-38	38.00 [965]	92.09 [2339]	32.18 [817]	87.71 [2228]	33.00 [838]	88.59 [2250]	VFEET-4-12 (10)	BANGLE-4-38	41.00 [1041]	91.84 [2333]
RIB-5-BGR-27	27.00 [686]	115.12 [2924]	21.18 [538]	110.74 [2813]	22.00 [559]	111.62 [2835]	VFEET-5-12 (12)	BANGLE-5	30.00 [762]	114.87 [2918]
RIB-5-BGR-32	32.00 [813]	115.12 [2924]	26.18 [665]	110.74 [2813]	27.00 [686]	111.62 [2835]	VFEET-5-12 (12)	BANGLE-5	30.00 [762]	114.87 [2918]
RIB-5-BGR-38	38.00 [965]	115.12 [2924]	32.18 [817]	110.74 [2813]	33.00 [838]	111.62 [2835]	VFEET-5-12 (12)	BANGLE-5-38	41.00 [1041]	114.87 [2918]



Ø.69 [17] FLOOR MOUNTING IN VFEET

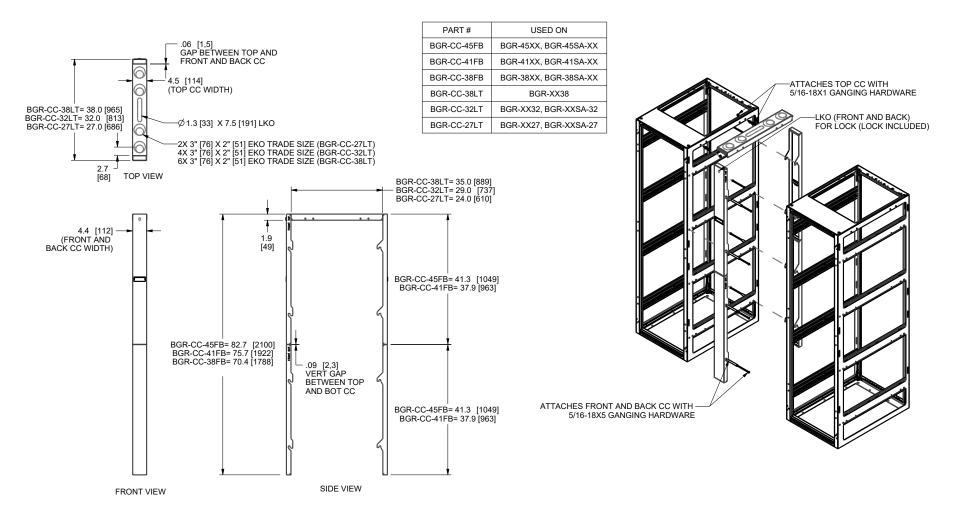


#### SEISMIC RISER BASE BASIC DIMENSIONS





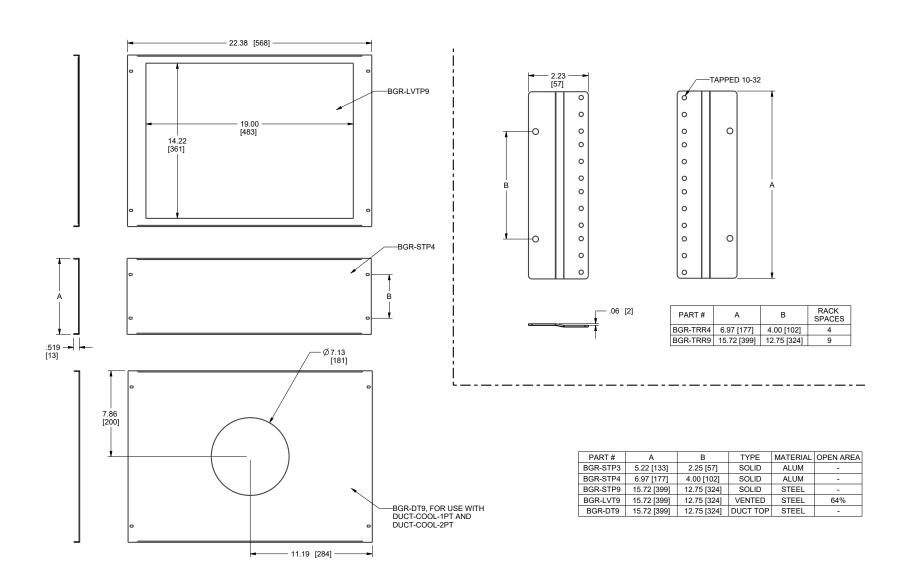
#### CABLE CHASE BASIC DIMENSIONS



NOTE:
DIMENSION FORMAT SHOWN:IN [MM]
BGR-CC-45FB,BGR-CC-41FB INCLUDES FOUR PIECES AND
BGR-CC-38FB INCLUDE TWO PIECE.
LKO = LASER KNOCKOUT
EKO = ELECTRICAL KNOCKOUT

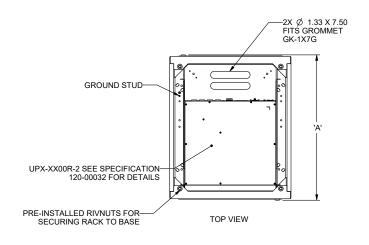


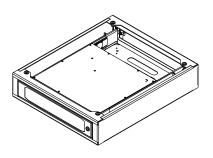
#### TOP PANEL / RAIL BASIC BASIC DIMENSIONS

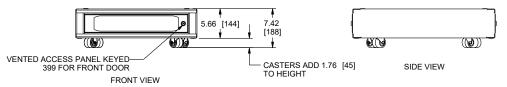


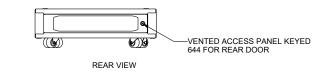


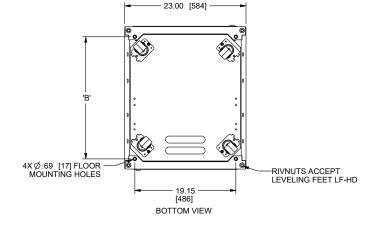
#### **UPS BASE BASIC DIMENSIONS**







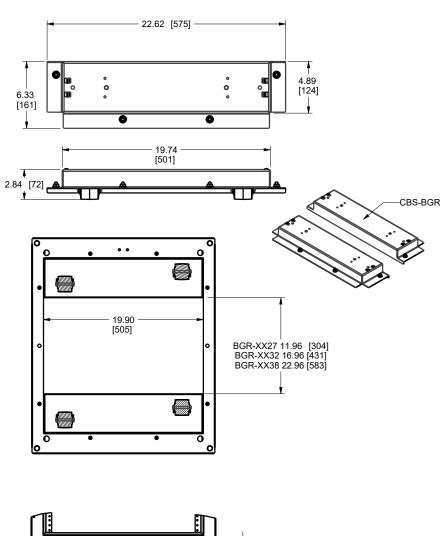


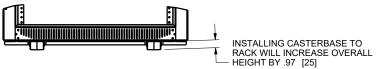


MODEL	'A' DEPTH	'B' FLOOR MOUNTING DEPTH	CASTERS	INCLUDED UPS
FWD-CBS-1.5KVA-B27	27.56 [700]	23.16 [588]	YES	UPX-1500R-2
FWD-CBS-2KVA-BGR32	32.56 [827]	28.16 [715]	YES	UPX-2000R-2
FWD-CBS-2KVA-BGR38	38.56 [979]	34.16 [868]	YES	UPX-2000R-2



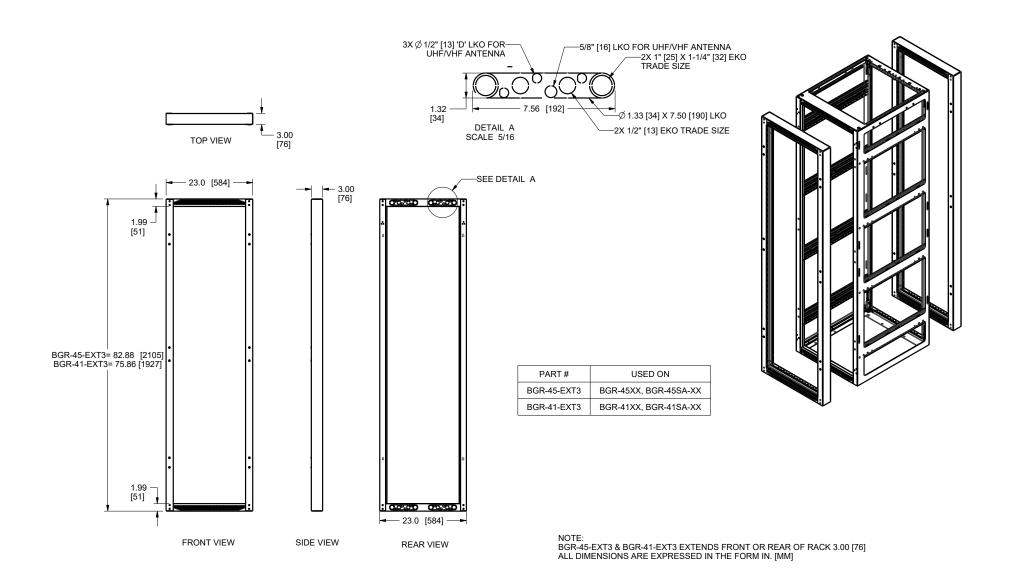
### CASTER BASE BASIC DIMENSIONS





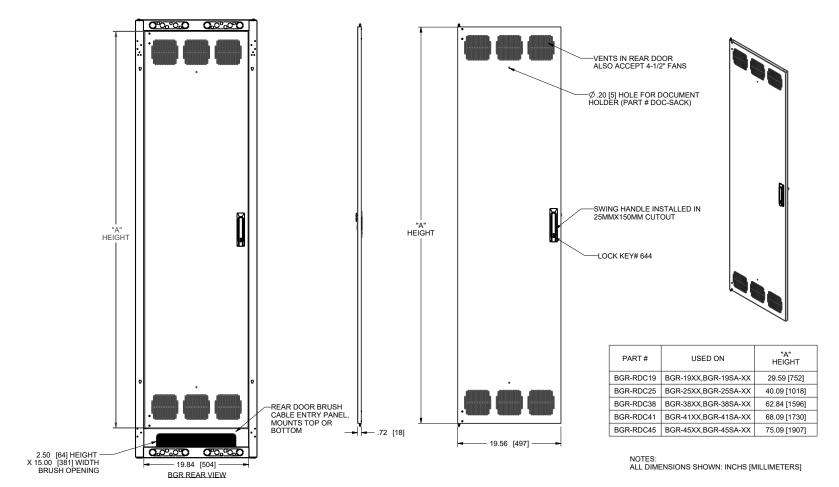


#### FRONT / REAR EXTENDER BASIC DIMENSIONS





#### CABLE ENTRY REAR DOOR BASIC DIMENSIONS



LEGRAND | AV COMMERCIAL BRANDS

C2G | Chief | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold

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