



LGR-4422 shown

LGR Series



19" Gangable Rack – Fully Welded, Open-Frame

Panel Space:	44, 40, 35, and 24U
Overall Depth:	42" [1067], 36" [914], 32" [813], 27" [686], and 22" [559]
Overall Width:	23.06" [586]
Load Capacity:	3150 lbs. [1429 kg] – UL Listed

FEATURES

MATERIAL: Fully welded certified U.S. steel, 16-gauge frame with seamless side frame construction and 14-gauge bottom reinforced at load-bearing junctions for robust support, strength equivalent to 11-ga. steel. Beveled edge corners front and rear.

FINISH: Black textured powder coat finish.

FRONT: Upper and lower vents. Frame nutserts are ready to add optional surface-mount door (left or right swing).

REAR: Knockout panels in frame above and below door with combination EKO for conduit (1/2"–3/4" and 1"–1-1/2") and KOs for wireless antennae (1/2") above door. Includes recessed rear door with vents and key lock (left or right swing).

SIDES: Open with rear vertical array of 2" dia. holes plus 4" x 1.5" obround openings along base for cabling between racks. Optional side panels extend .625"

BOTTOM: Open, includes 10-32 threaded grounding stud in corner, 3/8"-16 threaded T-nuts for (optional) leg levelers, and holes for anchor bolts (by others).

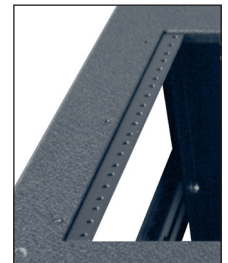
CONFIGURABLE TOP: Features a 7U or 12U opening with riveted 10-32 threaded rails on 19" EIA spacing (model dependent, see series summary chart).

CABLE MANAGEMENT: Abundant cable lacing points and generous wire management space of nearly 2" between front rails and front-to-rear rail supports.

RACK RAILS (fully adjustable): 11-gauge steel 10-32 threaded rails on EIA spacing with bi-directional numbered RU increments (rails mount in either direction). Smooth black finish. Clearance from front rail to outside frame (1.75"), from front rail to optional surface-mount front door (2.5").

HARDWARE: Black pilot point screws with captive washers for quick installation. (50)

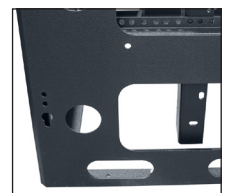
COMPLIANCE: EIA/TIA compliant; UL 2416 Listed in US and Canada; TAA Compliant; BAA Compliant



Threaded rails included in open top LER models.



Fully-adjustable front rails with printed RU increments.



Rear vertical array with 2" dia. holes and obrounds along base for cabling.

OPTIONAL ACCESSORIES – LGR SERIES

- Surface-mount front door with key lock: LFD Series (solid steel), LFD--FV Series (fully-vented), or LFD--P Series (plexiglass)
- Recessed rear door with key lock: LRD--FV Series (fully-vented), or RCD Series (vented w/bottom brush panel).
- Side panels: SDP Series (solid steel)
- Mobile bases: LMB Series, or LMSB Series
- Stationary bases: LSB Series, or LSSB Series
- Additional pair of mounting rails: RRD Series
- Z-rails for 44U racks: ZR-44
- Leg levelers: LL (set of 4)
- Plastic bushings: LGRB-12 (12 pk)

A&E SPECIFICATIONS – LGR SERIES

The EIA/TIA compliant 19" gangable equipment rack shall be Lowell model LGR-_____ with overall dimensions of _____"H x _____"D x 23.06"W; usable height of _____ rack units, and usable depth of _____". Rack construction shall be fully welded certified US steel with 16-gauge frame and 14-gauge bottom reinforced at load-bearing junctions, all with black wrinkle powder coat finish. Open sides shall feature rear vertical arrays of 2" dia. holes plus 4" x 1.5" obround openings along bottom. The rack shall include a recessed rear door with vents and key lock, knockout panels above and below door with 1/2"-3/4" and 1"-1-1/2" EKO for conduit, and 1/2" KO for wireless antennae above door. The front shall feature vents along top and bottom, and provisions to accept an (optional) surface-mount door with left or right hand swing. The top shall feature a _____U opening with riveted 10-32 threaded rails on 19" EIA spacing, and 1/2" KO for wireless antennae. Rack bottom shall have an opening measuring _____"D x 19.94"W and include a grounding stud. Rack shall include (_____)U adjustable 11-gauge steel rails tapped 10-32 on 19" EIA spacing with black finish and numbered rack unit increments. The UL 2416 Listed rack shall be manufactured in the USA with a UL Listed load capacity of 3150 lbs., and shall be Trade Agreement Act (TAA) and Buy American Act (BAA) compliant. Use chart to fill in blank information.

ORDER WITHOUT REAR DOOR

Add -LRD at the end of model number shown below to order (ex. LGR-4022LRD).

LGR SERIES SUMMARY

Model No.	Units	"A" Overall Depth	Usable Depth	"B" Overall Height	"C" Usable Height	"D" Overall Width	Top Opening	"E" - Bottom Opening Depth	"F" - Bottom Opening Width	Adj. Rails	UL Load Capacity	UL Listed
LGR-4022	40 U	22.00 [559]	19.34 [491]	76.13 [1934]	70.13 [1781]	23.06 [586]	7 U	17.88 [454]	19.94 [506]	1 pr	3150	Yes
LGR-4422	44 U	22.00 [559]	19.34 [491]	83.13 [2111]	77.13 [1959]	23.06 [586]	7 U	17.88 [454]	19.94 [506]	1 pr	3150	Yes
LGR-2427	24 U	27.00 [686]	24.34 [618]	48.13 [1222]	42.13 [1070]	23.06 [586]	12 U	22.88 [581]	19.94 [506]	2 pr	3150	Yes
LGR-3527	35 U	27.00 [686]	24.34 [618]	67.38 [1711]	61.38 [1559]	23.06 [586]	12 U	22.88 [581]	19.94 [506]	2 pr	3150	Yes
LGR-4027 ◊	40 U	27.00 [686]	24.34 [618]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	22.88 [581]	19.94 [506]	2 pr	3150	Yes
LGR-4427 ◊	44 U	27.00 [686]	24.34 [618]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	22.88 [581]	19.94 [506]	2 pr	3150	Yes
LGR-3532	35 U	32.00 [813]	29.34 [745]	67.38 [1711]	61.38 [1559]	23.06 [586]	12 U	27.88 [708]	19.94 [506]	2 pr	3150	Yes
LGR-4032 ◊	40 U	32.00 [813]	29.34 [745]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	27.88 [708]	19.94 [506]	2 pr	3150	Yes
LGR-4432 ◊	44 U	32.00 [813]	29.34 [745]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	27.88 [708]	19.94 [506]	2 pr	3150	Yes
LGR-4036 ◊	40 U	36.00 [914]	33.34 [847]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	31.88 [810]	19.94 [506]	2 pr	3150	Yes
LGR-4436 ◊	44 U	36.00 [914]	33.34 [847]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	31.88 [810]	19.94 [506]	2 pr	3150	Yes
LGR-4042	40 U	42.00 [1067]	39.34 [999]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	37.88 [962]	19.94 [506]	2 pr	3150	Yes
LGR-4442	44 U	42.00 [1067]	39.34 [999]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	37.88 [962]	19.94 [506]	2 pr	3150	Yes

Rack dimensions (rounded) – inches and [mm]; 1U = 1.75"; ◊ seismic-certified (LSGR series) racks available, see pg. 3



LSGR Series

19" Gangable Rack –
 Seismic Certified, Fully Welded

Panel Space:	44, and 40U
Overall Depth:	36" [914], 32" [813], and 27" [686]
Overall Width:	23.06" [586]
Load Capacity:	3150 lbs. [1429 kg] – UL Listed
Seismic Load Capacity:	Ip = 1.0 : 1200 lbs.; Ip = 1.5 : 900 lbs.

FEATURES

CONSTRUCTION: Fully welded certified US steel, 16-gauge frame with 14-ga. bottom reinforced at load-bearing junctions for robust support, strength equivalent to 11-ga. steel. Black textured powder coat finish. Beveled edge corners front and rear.

FRONT: Upper and lower vents. Frame nutserts are ready to add optional surface-mount door (left or right swing).

REAR: Two knockout panels in frame above and below door with combination EKO for conduit (1/2"–3/4" and 1"–1-1/2") and KO for wireless antennae (1/2"). Includes recessed door with vents and key lock (left or right swing).

SIDES: Open with seamless X-frame construction with multiple openings for cable runs between racks. Rear vertical array of 2" dia. holes plus 4" x 1.5" obround openings along base. Optional side panels (order separately).

BOTTOM: Open with welded bracket in each corner with hole for anchor bolt (by others). 10-32 threaded grounding stud.

CONFIGURABLE TOP: Features a 7U or 12U opening with riveted 10-32 threaded rails on 19" EIA spacing (model dependent, see series summary chart).

CABLE MANAGEMENT: Combination knockouts in top and rear. Abundant cable lacing points and generous wire management space of nearly 2" between front rails and front-to-rear rail supports.

RACK RAILS (fully adjustable): 11-ga. steel 10-32 threaded rails on EIA spacing with bi-directional numbered RU increments (rails mount in either direction). Smooth black finish. Clearance from front rail to outside frame (1.75"), from front rail to optional surface-mount door (2.5").

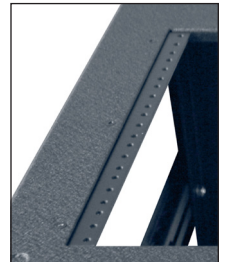
HARDWARE: Black pilot point screws with captive washers for quick installation. (50)

COMPLIANCE: EIA/TIA compliant; UL 2416 Listed in US and Canada; TAA Compliant; BAA Compliant. Ships with PE Certified documentation.

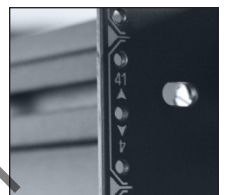
SEISMIC CERTIFICATION: Professional Engineer (PE) certified* to meet or exceed requirements for Category 1 (Ip = 1.5, Life Safety/Essential System) and Category 2 (Ip = 1.0, NOT identified as a Life Safety/Essential System) as specified in:

- International Building Code: IBC 2009, Sect. 1613
- California Building Code: CBC 2010, Sect. 1613
- California Office of Statewide Health Planning and Development: OSHPD 2010

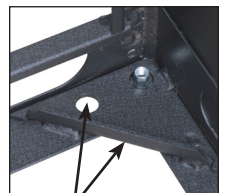
* Seismic certified when anchored in accordance with IBC/CBC/OSHPD seismic summary and installation manuals available for download at Lowellmfg.com.



Threaded rails included in open top LSER models.



Fully-adjustable front rails with printed RU increments.



Welded bracket, and anchor holes in seismic rack base.

OPTIONAL ACCESSORIES – LSGR SERIES

- Surface-mount front door with key lock: LFD Series (solid steel), LFD--FV Series (fully-vented), or LFD--P Series (plexiglass)
- Recessed rear door with key lock: LRD--FV Series (fully-vented), or RCD Series (vented w/ bottom brush panel).
- Side panels: SDP Series (solid steel)
- Additional pair of mounting rails: RRD Series
- Z-rails for 44U racks: ZR-44
- Plastic bushings: LGRB-12 (12 pk)

NOTE: Seismic racks and cabinets will not accept a mobile or stationary base.

A&E SPECIFICATIONS – LSGR SERIES

The EIA/TIA compliant 19" floor rack shall be Lowell model LSGR-_____ with overall dimensions of _____"H x _____"D x 23.06"W, usable height of ____ rack units, and usable depth of _____". Rack construction shall be fully welded certified US steel with 16-gauge frame and 14-gauge bottom reinforced at load-bearing junctions, all with black textured powder coat finish. Open sides shall feature X-frame construction, rear vertical arrays of 2" dia. holes, and 4" x 1.5" obround openings along bottom. The rack shall include a recessed rear door with vents and key lock, two knockout panels above and below door with 1/2" KO for wireless antennae, 1/2"-3/4" and 1"-1-1/2" EKO for conduit. The front shall feature vents along top and bottom, and provisions to accept an (optional) surface-mount door with left or right hand swing. The top shall feature a _____U opening with riveted 10-32 threaded rails on 19" EIA spacing and 1/2" KO for wireless antennae. The bottom shall have an opening measuring _____" x 19.94", corner weldments, and a grounding stud. The rack shall include (____U) adjustable 11-gauge steel rails tapped 10-32 on 19" EIA spacing with black finish and numbered rack unit increments. The UL 2416 Listed rack shall be manufactured in the USA with UL Listed load capacity of 3150 lbs. The rack shall be PE certified* to meet or exceed requirements for Category 1 (Ip=1.5, Life Safety/Essential System) and Category 2 (Ip=1.0, NOT identified as a Life Safety/Essential System) as specified in IBC 2009 Sect. 1613, CBC 2010 Sect. 1613, and OSHPD 2010, with seismic-certified load capacity of 1200 lbs. (Ip=1.0) and 900 lbs. (Ip=1.5).

**Seismic certified when anchored in accordance with IBC/CBC/OSHPD seismic summary and installation manuals available for download at Lowellmfg.com.*

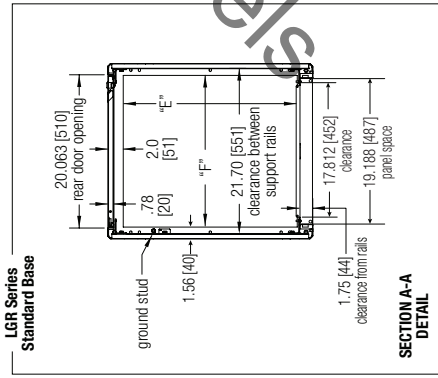
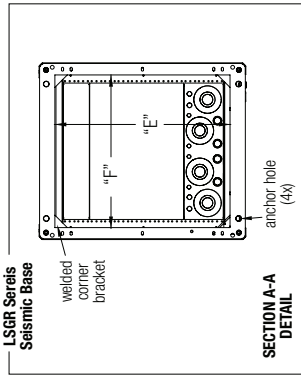
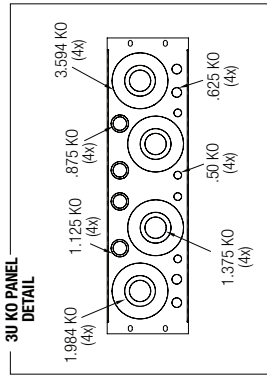
LSGR SERIES SUMMARY

Model No.	Units	"A" Overall Depth	Usable Depth	"B" Overall Height	"C" Usable Height	"D" Overall Width	Top Opening	"E" - Bottom Opening Depth	"F" - Bottom Opening Width	Adj. Rails	Seismic Load Cap.*	UL Listed Capacity	UL Listed
LSGR-4027	40 U	27.00 [686]	24.34 [618]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	22.88 [581]	19.94 [506]	2 pr	900-1200	3150	Yes
LSGR-4427	44 U	27.00 [686]	24.34 [618]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	22.88 [581]	19.94 [506]	2 pr	900-1200	3150	Yes
LSGR-4032	40 U	32.00 [813]	29.34 [745]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	27.88 [708]	19.94 [506]	2 pr	900-1200	3150	Yes
LSGR-4432	44 U	32.00 [813]	29.34 [745]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	27.88 [708]	19.94 [506]	2 pr	900-1200	3150	Yes
LSGR-4036	40 U	36.00 [914]	33.34 [847]	76.13 [1934]	70.13 [1781]	23.06 [586]	12 U	31.88 [810]	19.94 [506]	2 pr	900-1200	3150	Yes
LSGR-4436	44 U	36.00 [914]	33.34 [847]	83.13 [2111]	77.13 [1959]	23.06 [586]	12 U	31.88 [810]	19.94 [506]	2 pr	900-1200	3150	Yes

*Rack dimensions (rounded) – inches and [mm]; 1U = 1.75"; * Seismic certified load capacity, Ip = 1.0 : 1200 lbs.; Ip = 1.5 : 900 lbs.*

TECHNICAL DRAWINGS

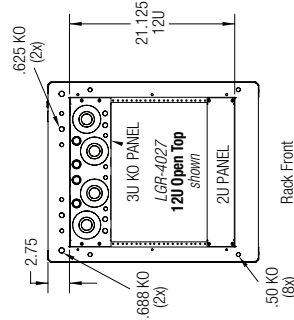
Dimensions are inches and [mm] unless stated otherwise.



TOP VIEWS

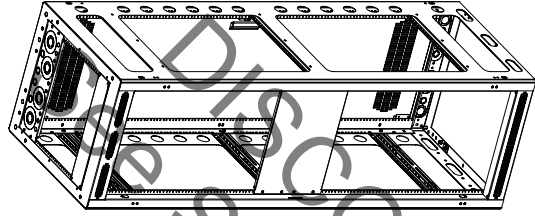
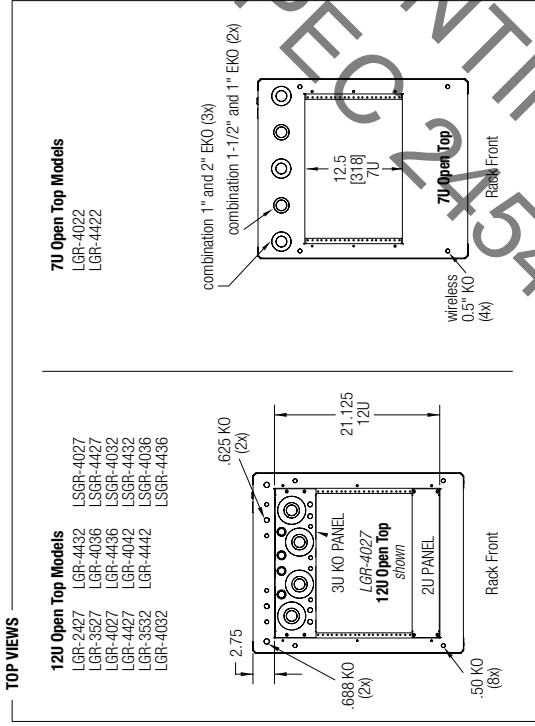
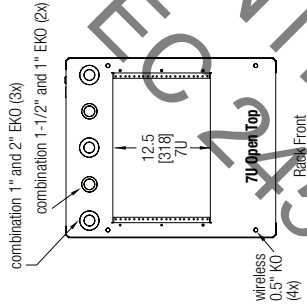
12U Open Top Models

- LGR-2427
- LGR-3527
- LGR-4027
- LGR-4427
- LGR-3532
- LGR-4032



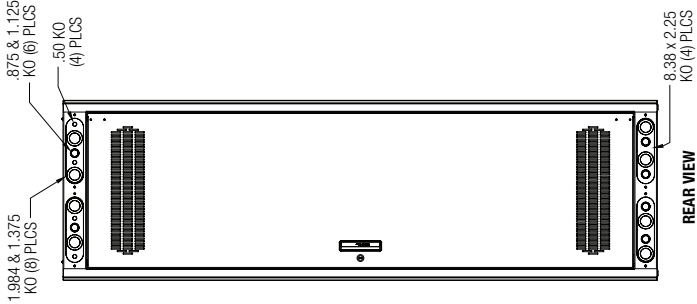
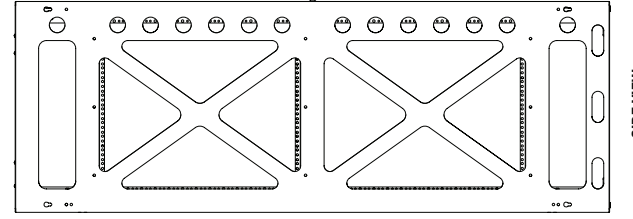
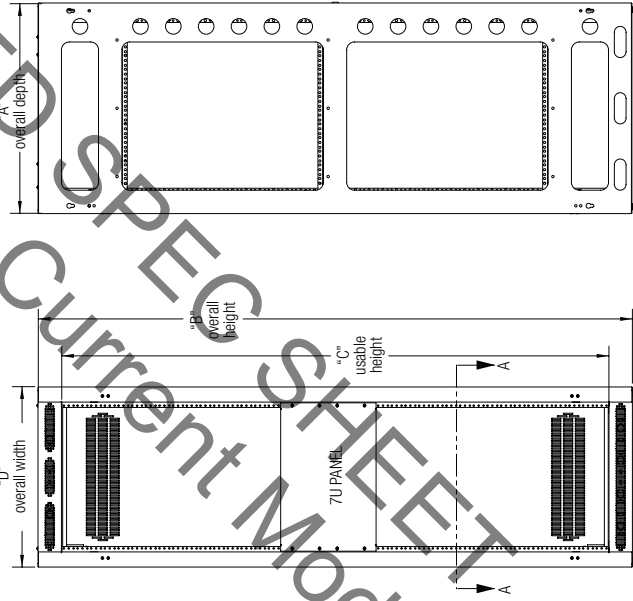
7U Open Top Models

- LGR-4022
- LGR-4422



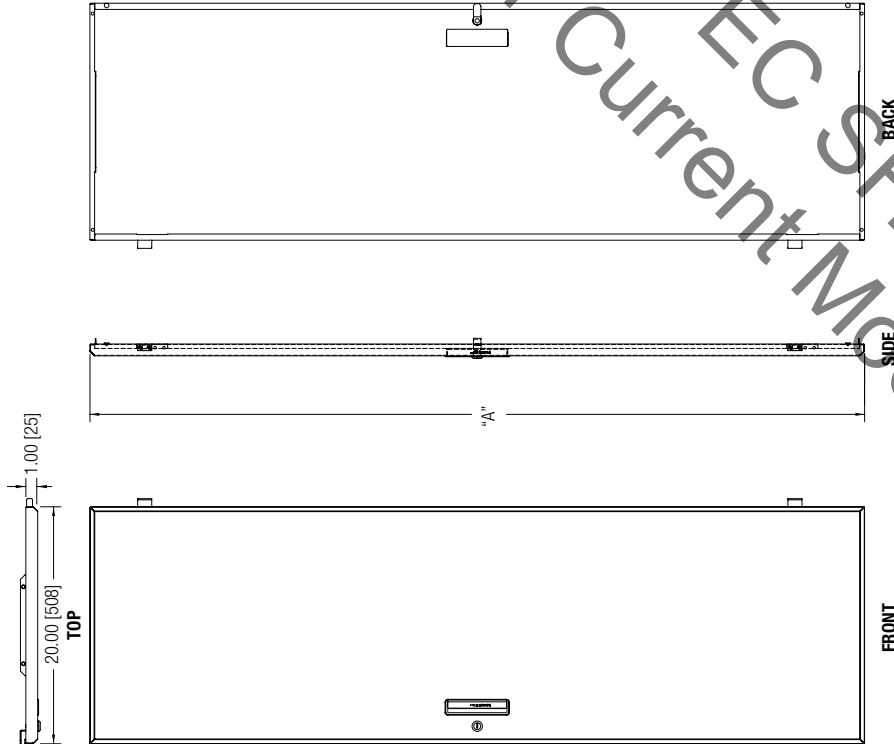
ISO VIEW

ISO VIEW

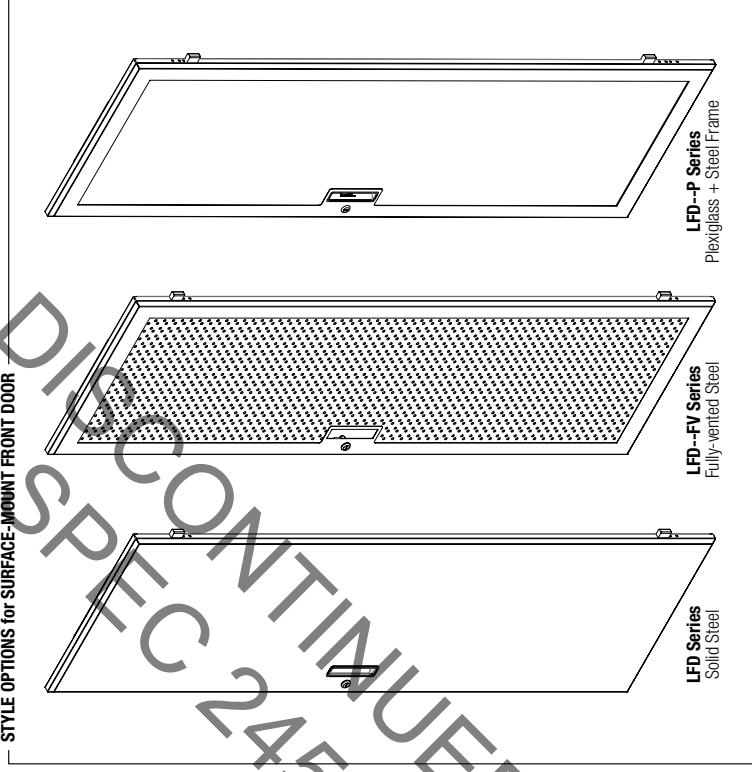


SERIES SPECIFIC ACCESSORIES — SURFACE-MOUNT FRONT DOORS

Dimensions are inches and [mm] unless stated otherwise.



STYLE OPTIONS for SURFACE-MOUNT FRONT DOOR



LFD Series Summary "A" = RU

Model No.	"A" = RU
LFD-7	7 U
LFD-10	10 U
LFD-12	12 U
LFD-14	14 U
LFD-16	16 U
LFD-18	18 U
LFD-21	21 U
▲ LFD-24	24 U
▲ LFD-35	35 U
LFD-37	37 U
▲ LFD-40	40 U
▲ LFD-44	44 U
LFD-54	54 U

LFD-FV Series Summary "A" = RU

Model No.	"A" = RU
LFD-7FV	7 U
LFD-10FV	10 U
LFD-12FV	12 U
LFD-14FV	14 U
LFD-16FV	16 U
LFD-18FV	18 U
LFD-21FV	21 U
▲ LFD-24FV	24 U
▲ LFD-35FV	35 U
LFD-37FV	37 U
▲ LFD-40FV	40 U
▲ LFD-44FV	44 U

LFD-P Series Summary "A" = RU

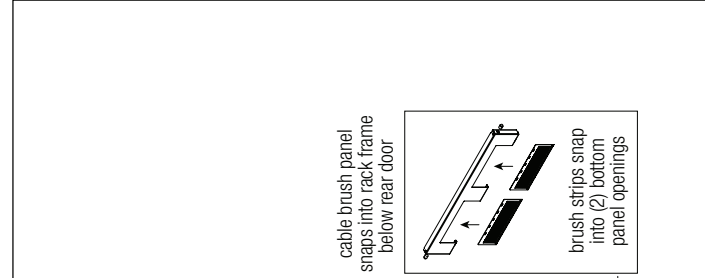
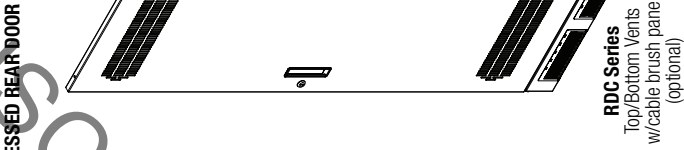
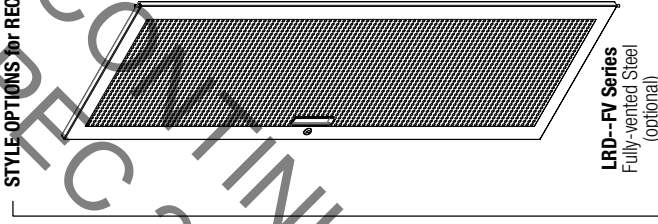
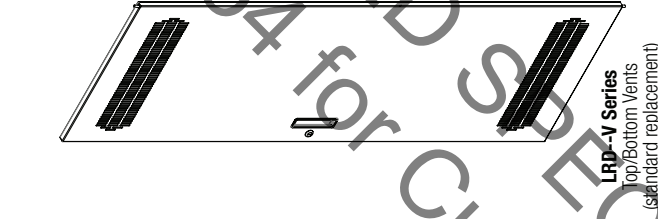
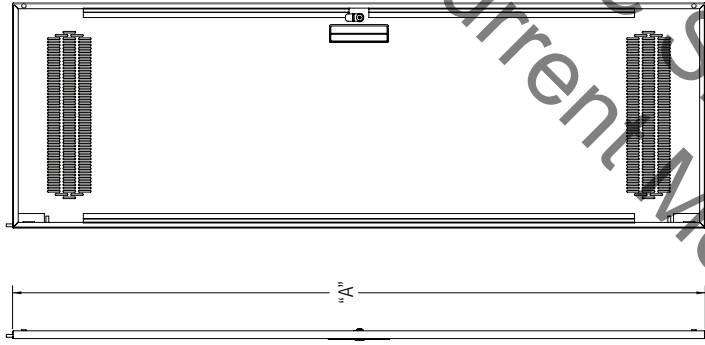
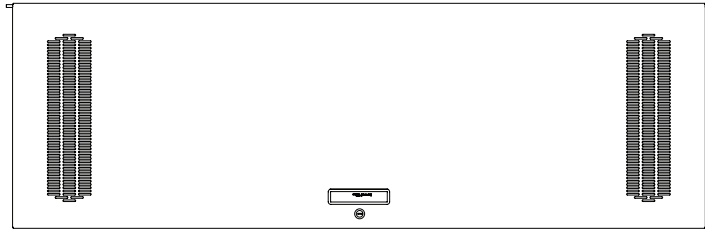
Model No.	"A" = RU
LFD-7P	7 U
LFD-10P	10 U
LFD-12P	12 U
LFD-14P	14 U
LFD-16P	16 U
LFD-18P	18 U
LFD-21P	21 U
▲ LFD-24P	24 U
▲ LFD-35P	35 U
LFD-37P	37 U
▲ LFD-40P	40 U
▲ LFD-44P	44 U

▲ = accessory fits LGR / LSGR Series models



SERIES SPECIFIC ACCESSORIES — RECESSED REAR DOORS

Dimensions are inches and [mm] unless stated otherwise.



See DISCONTINUED SPEC 2454 for Current Models

LRD--V Series Summary

Model No.	"A" = RU	"B" = Depth
▶ LRD-24V	24 U	.688 [18]
▶ LRD-35V	35 U	.688 [18]
▶ LRD-40V	40 U	.688 [18]
▶ LRD-44V	44 U	.688 [18]

LRD--FV Series Summary

Model No.	"A" = RU	"B" = Depth
▶ LRD-35FV	35 U	.688 [18]
▶ LRD-40FV	40 U	.688 [18]
▶ LRD-44FV	44 U	.688 [18]

RDC Series Summary

Model No.	"A" = RU	"B" = Depth
▶ RCD-35	35 U	.743 [19]
▶ RCD-40	40 U	.743 [19]
▶ RCD-44	44 U	.743 [19]

▶ = accessory fits LGR / LSGR Series models

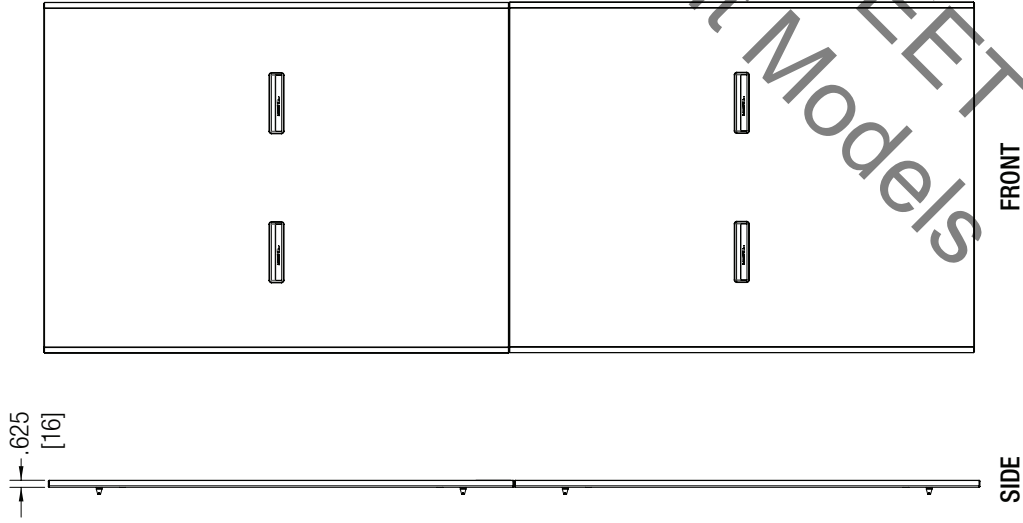
▶ = accessory fits LGR / LSGR Series models





SERIES SPECIFIC ACCESSORIES — RECESSED REAR DOORS

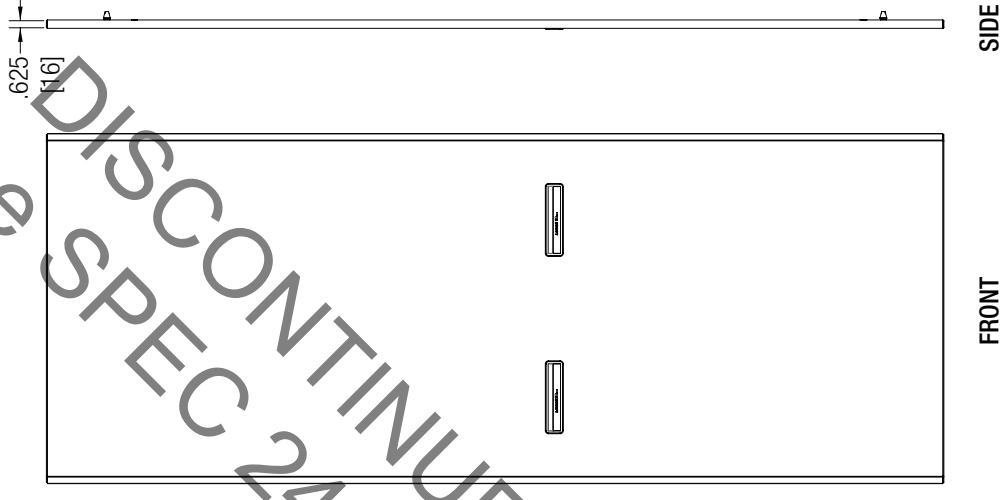
SPLIT SIDE PANEL (2 PIECES PER SIDE)



Model No.	RU	Rack Depth
▶ SDP-3532	35	32"
▶ SDP-3732	37	32"
▶ SDP-4032	40	32"
▶ SDP-4432	44	32"
▶ SDP-5432	54	32"
▶ SDP-4036	40	36"
▶ SDP-4436	44	36"
▶ SDP-5436	54	36"
▶ SDP-4042	40	42"
▶ SDP-4442	44	42"

▶ = accessory fits LGR / LSGR Series models

FULL SIDE PANEL (1 PIECE PER SIDE)



Model No.	RU	Rack Depth
▶ SDP-4022	40	22"
▶ SDP-4422	44	22"
▶ SDP-2427	24	27"
▶ SDP-3527	35	27"
▶ SDP-3727	37	27"
▶ SDP-4027	40	27"
▶ SDP-4427	44	27"
▶ SDP-2432	24	32"

▶ = accessory fits LGR / LSGR Series models

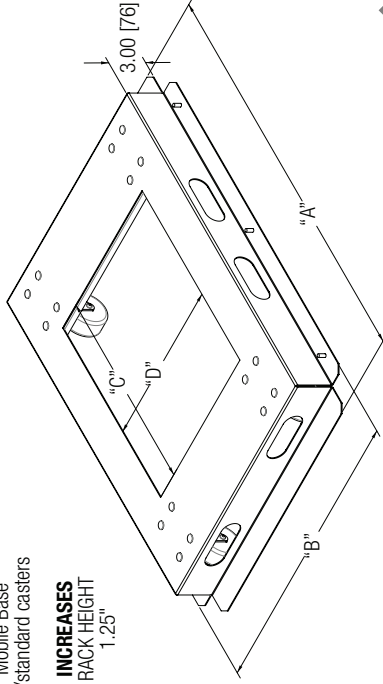


SERIES SPECIFIC ACCESSORIES — MOBILE BASES

Dimensions are inches and [mm] unless stated otherwise.

LMB Series
Mobile Base
w/standard casters

INCREASES
RACK HEIGHT
1.25"



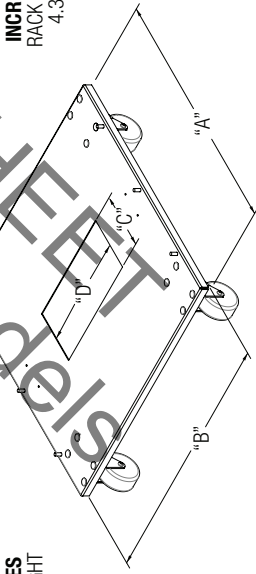
LMB Series Summary

Model No.	Rack Depth	"A" Overall Depth	"B" Overall Width	"C" Opening Depth	"D" Opening Width	Total Caster Load Rating
▶ LMB-27	27	26.75 [679]	22.81 [579]	12.97 [329]	11 [279]	1400 lbs.
▶ LMB-32	32	31.75 [806]	22.81 [579]	12.97 [329]	16 [406]	1400 lbs.
▶ LMB-36	36	35.75 [908]	22.81 [579]	12.97 [329]	20 [508]	1400 lbs.
▶ LMB-42	42	41.75 [1060]	22.81 [579]	12.97 [329]	26 [660]	1400 lbs.

▶ = accessory fits LGR Series models

LMSB Series
Shallow Mobile Base
w/standard casters

INCREASES
RACK HEIGHT
4.075"

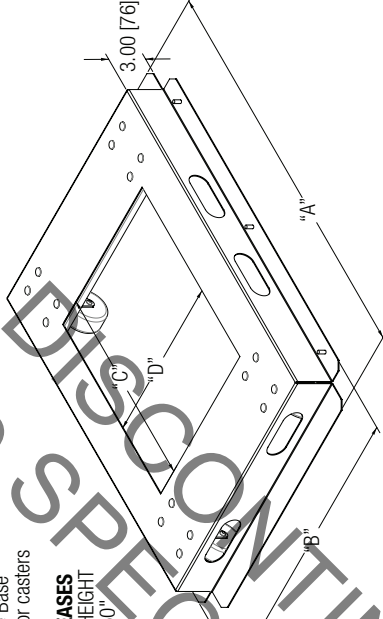


LMSB--FL Series
Shallow Mobile Base
w/fine-floor casters

INCREASES
RACK HEIGHT
4.315"

LMB--F Series
Mobile Base
w/fine floor casters

INCREASES
RACK HEIGHT
1.50"



LMB--F Series Summary

Model No.	Rack Depth	"A" Overall Depth	"B" Overall Width	"C" Opening Depth	"D" Opening Width	Total Caster Load Rating
▶ LMB-27F	27	26.75 [679]	22.81 [579]	12.97 [329]	11 [279]	800 lbs.
▶ LMB-32F	32	31.75 [806]	22.81 [579]	12.97 [329]	16 [406]	800 lbs.
▶ LMB-36F	36	35.75 [908]	22.81 [579]	12.97 [329]	20 [508]	800 lbs.

▶ = accessory fits LGR Series models

DO NOT USE WITH SEISMIC CERTIFIED RACKS

LMSB(-FL) Series Summary

Model No.	Rack Depth	"A" Overall Depth	"B" Overall Width	"C" Opening Depth	"D" Opening Width	Total Caster Load Rating
▶ LMSB-22	22	21.88 [556]	23.31 [567]	5 [127]	10 [254]	1400 lbs.
▶ LMSB-22FL*	22	21.88 [556]	23.31 [567]	5 [127]	10 [254]	800 lbs.

▶ = accessory fits LGR Series models



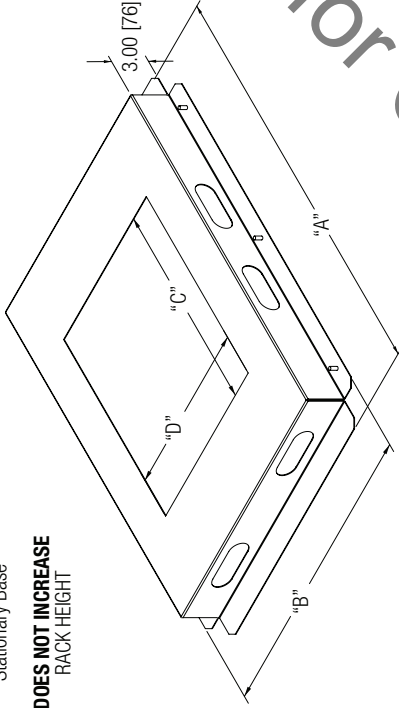


SERIES SPECIFIC ACCESSORIES — STATIONARY BASES

Dimensions are inches and [mm] unless stated otherwise.

LSB Series
Stationary Base

DOES NOT INCREASE
RACK HEIGHT



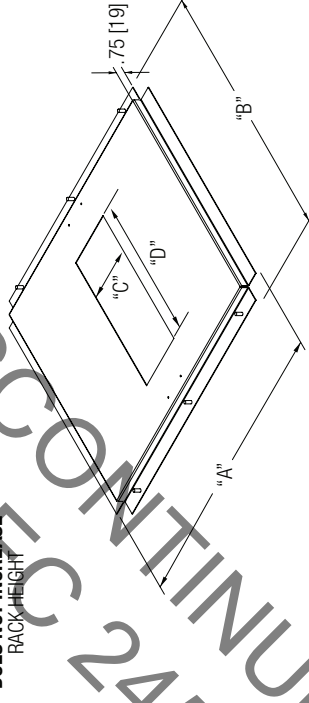
LSB Series Summary

Model No.	"A"		"B"		"C"		"D"	
	Rack Depth	Overall Depth	Overall Width	Opening Depth	Opening Depth	Opening Width	Opening Width	
▶ LSB-22	22	20.75 [527]	22.81 [579]	12.97 [329]	5	1 [27]	5	1 [27]
▶ LSB-27	27	26.75 [679]	22.81 [579]	12.97 [329]	11	1 [27]	11	1 [27]
▶ LSB-32	32	31.75 [806]	22.81 [579]	12.97 [329]	16	1 [27]	16	1 [27]
▶ LSB-36	36	35.75 [908]	22.81 [579]	12.97 [329]	20	1 [27]	20	1 [27]
▶ LSB-42	42	41.75 [1060]	22.81 [579]	12.97 [329]	26	1 [27]	26	1 [27]

▶ = accessory fits LGR Series models

LSSB Series
Shallow Stationary Base

DOES NOT INCREASE
RACK HEIGHT



LSSB Series Summary

Model No.	"A"		"B"		"C"		"D"	
	Rack Depth	Overall Depth	Overall Width	Opening Depth	Opening Depth	Opening Width	Opening Width	
▶ LSSB-22	22	20.39 [518]	22.45 [570]	5	1 [27]	5	1 [27]	
▶ LSSB-27	27	25.39 [645]	22.45 [570]	5	1 [27]	5	1 [27]	

▶ = accessory fits LGR Series models

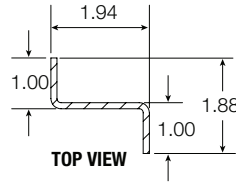
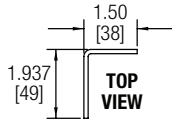
DO NOT USE WITH SEISMIC CERTIFIED RACKS

See SPEC 2454 for CUPRO SHEET Models

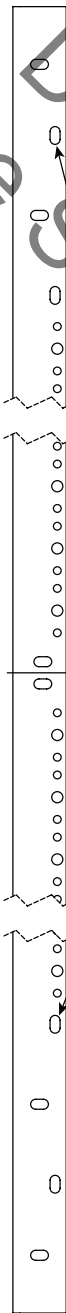
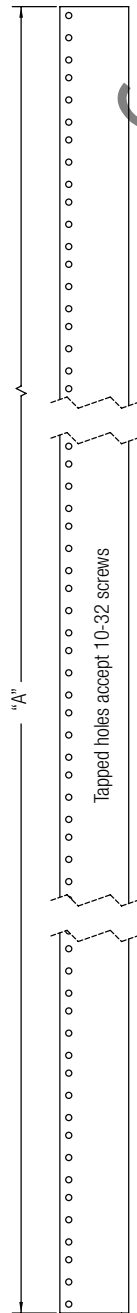


SERIES SPECIFIC ACCESSORIES — ADDITIONAL RACK RAILS

RRD Series
Rack Rails



ZR-44
44U Z-Rail

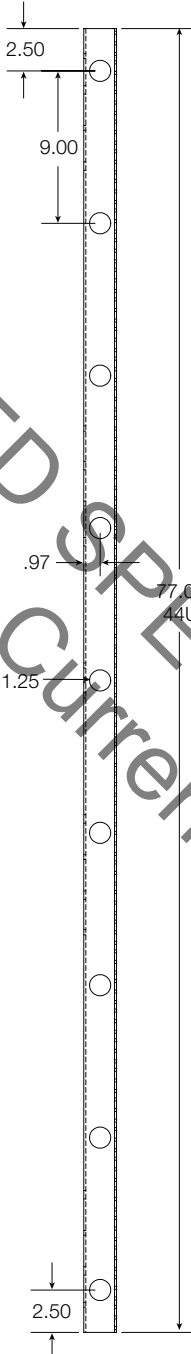


Obrounds position will vary depending on overall rail height

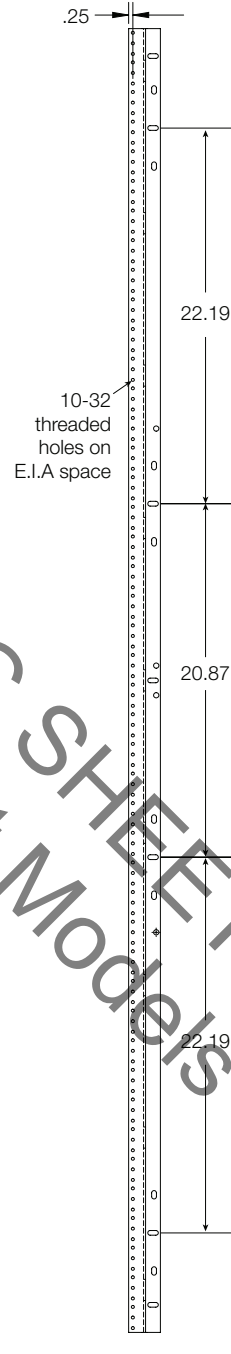
RRD Series Summary

Model No.	"A" = RU
RRD-7	7 U
RRD-10	10 U
RRD-12	12 U
RRD-14	14 U
RRD-16	16 U
RRD-18	18 U
RRD-21	21 U
▶ RRD-24	24 U
▶ RRD-35	35 U
▶ RRD-40	40 U
▶ RRD-44	44 U

▶ = accessory fits LGR / LSGR Series models



FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW

See SPEC 2454 for Current Models