

**NEWTON SUPER SEISMIC SYMMETRIC EQUIPMENT RACK**

Sales Sheet Modified:02/16/2017



**Underwriters  
 Laboratories**

NEBS Seismic Zone 4 Certified  
 tested to 1200 lbs

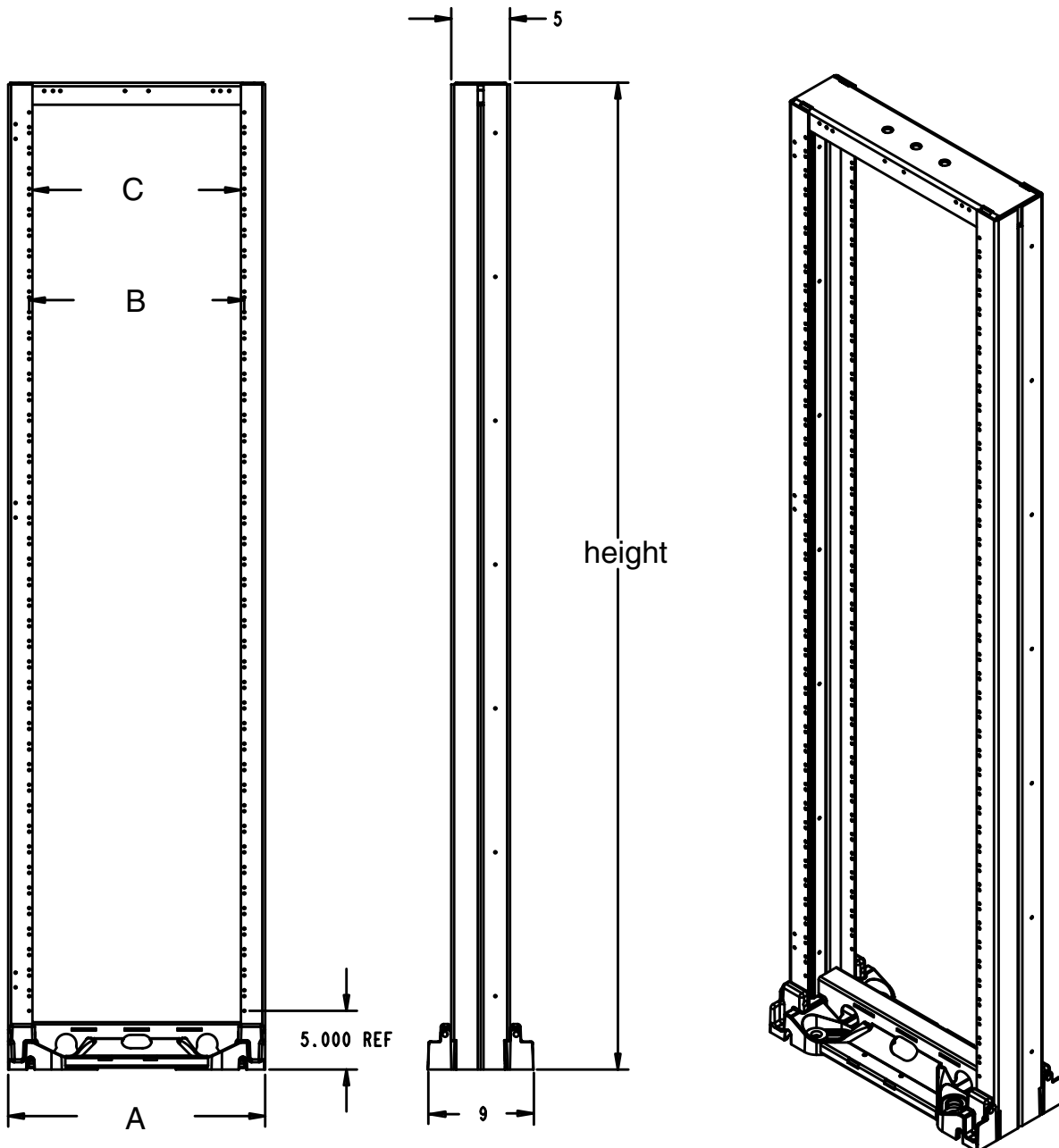
**Ordering Table**

Part Number	Height	A	B	C
22099900xx	7'-0"	25.875"	22.313	21.75

Notes:

- **EIA** compliant (19" version)
- All dimensions are for reference only

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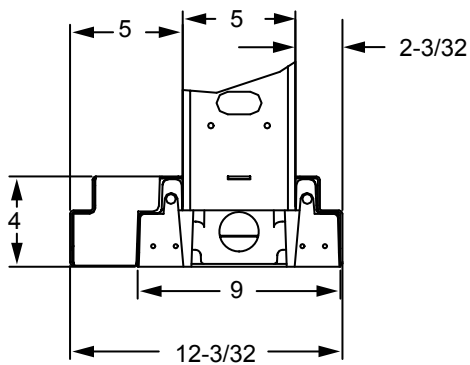
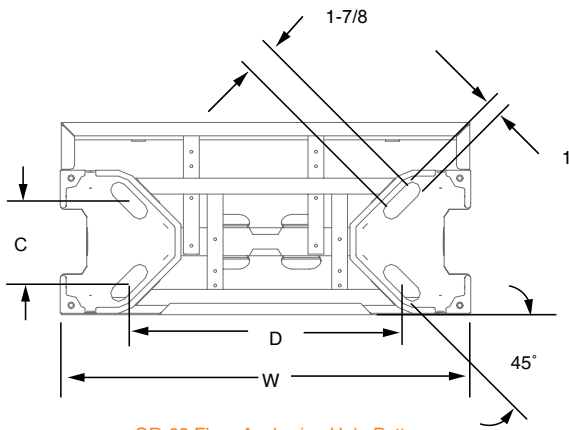
**NEWTON SEISMIC SYMMETRIC EQUIPMENT RACK**

Modified:06/08/2016

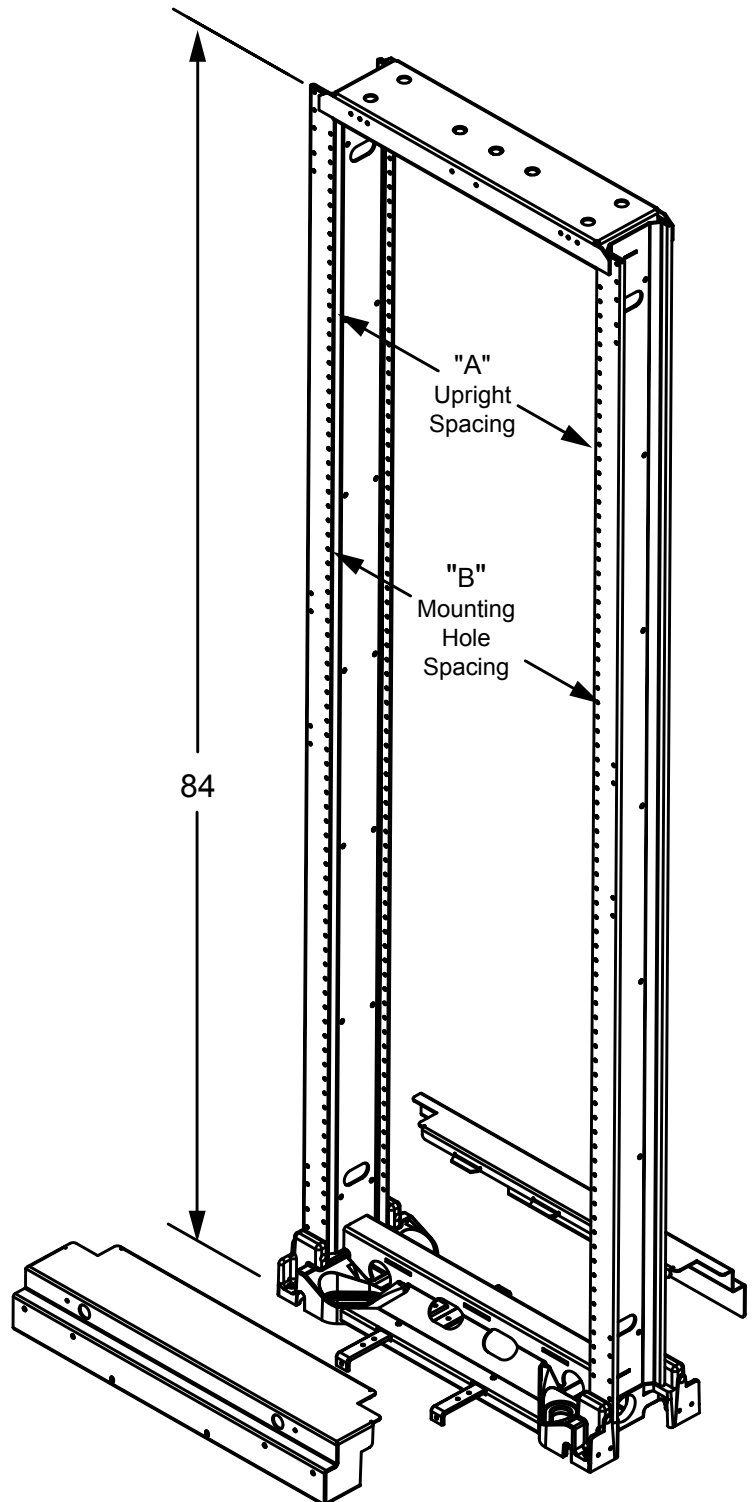


NEBS Seismic Zone 4 certified  
Underwriters Laboratory, Inc.

C2



Side view shown with 5-5-2 network bay cover



**Notes:**

- Patent pending
- EIA compliant (19" version)

	Rack width	A	B	C	D	W
<b>Ordering Table</b>	23"	21-3/4"	22-5/16"	5-3/16"	17-3/16"	26"
	19"	17-3/4"	18-5/16"	5-3/16"	13-3/16"	22"

**Features**

- This is Newton’s second strongest two post frame, tested to GR 63-CORE with 875 lbs\* and still meeting the GR 63 footprint. It incorporates most of the advantages of the NGN and transitional rack, open base access, 17.75” between uprights, and a choice of different front a rear guard boxes are but a few of the features of this premium frame.
- Rack must be secured to concrete floor using seismic floor mounting kit (222128xxxx, 004615xxxx Or equivalent). Installing this rack in any other manner may impact load . capacity and seismic performance.
- \* Testing with steel weight plates to simulate equipment does add some strength to the frame under a seismic event.

1. An overall load rating of 875 pounds\*\* equipment, sections 4.4 and 5.4 when loaded with 835 pounds to simulate rack mounted. Meets the earthquake resistance criteria (Zone 4) of Telcordia document GR-63-CORE,
2. Standard finish codes are 30 (TE gray), 31 (Telco, ADC gray) and 64 (Telco blue)6.Product weight: Approximately 100 lbs.5.
3. It may be necessary to add stiffener panels in some equipment configurations.\*\* Tested in accordance to GR-63-CORE using steel plates to simulate equipment weight
4. The first mounting hole for any Network Bay option is 5” above floor level.and 6-3/4” above floor level for EIA spacing.
5. SY84 19 1 3 1 4 30: a seismic mounting kit and cable tie bars in Telco Gray, 7 foot height, 19” width UFER with EIA Wide hole spacing, 6” front cover, 2” rear cover with SY84 23 0 2 0 3 64: a seismic mounting kit in blue :1.7 foot height, 23” width Network Bay with 1” hole spacing, 5” front cover, 2” rear cover.

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**Notes**

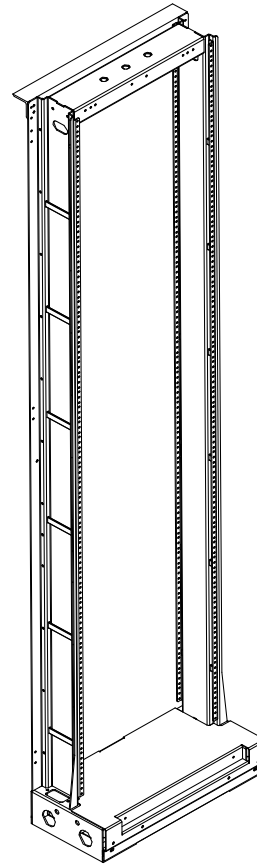
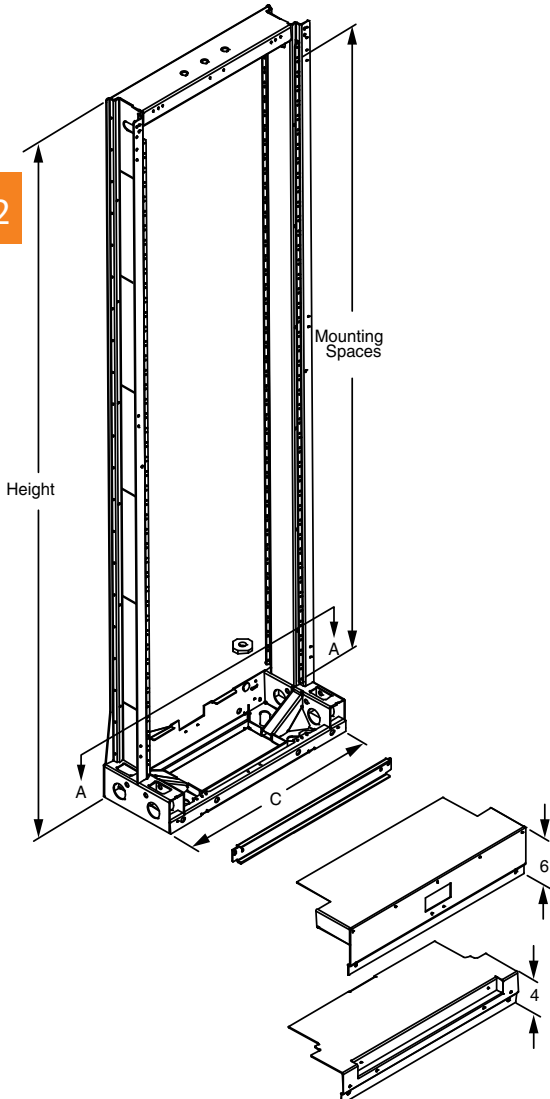
- The symmetric design allows the racks to be installed in either closed or open duct
- The symmetric equipment rack does not offer a version with a top angle configurations. Two covers (front and rear) will be required in either arrangement.
- The symmetric design always provides a 2” rear guard in either open or closed duct
- For the UFER option, the first mounting hole is 7” above floor level on the 1” hole pattern configuration. This is a minimum clearance in either direction.

SY84	AA	B	C	D	E	XX
<p><b>SY84:</b> ( Symmetric Equipment Rack)</p>						<p><b>XX: FINISH CODE</b> 30 = TELCO GRAY 31 = GRAY 64 = BLUE</p>
<p><b>AA: RACK WIDTH</b> 19” = 19” mounting width overall height 84” 23” = 23” mounting width overall height 84”</p>						
<p><b>B: , Equipment Mounting Hole Pattern</b> 0 = Closed Duct, 1” Hole Pattern; 12-24 1 = Closed Duct, EIA Wide (1-1/4” x1/2”) Hole Pattern; 12-24 2 = Closed Duct, EIA Universal (5/8” x 5/8” x1/2”) Hole Pattern; 12-24 5 = Open Duct, 1” Hole Pattern; 12-24 6 = Open Duct, EIA Wide (1-1/4” x1/2”) Hole Pattern; 12-24 7 = Open Duct, EIA Universal (5/8” x 5/8” x1/2”) Hole Pattern; 12-24</p>				<p><b>E: , Equipment Mounting Hole Pattern</b> 0 = No mounting kit, no cable tie options 1 = No mounting kit with cable tie bar kit 2 = No mounting kit with cable mounting kit 3 = Seismic mounting anchor kit*, no cable tie options 4 = Seismic mounting anchor kit* and cable tie bar kit</p>		
<p><b>C: front cover type</b> 0 = Network Bay, extends 0” beyond base (equivalent to 2” front cover) 1 = Network Bay, extends 1” beyond base (equivalent to 3” front cover) 2 = Network Bay, extends 3” beyond base (equivalent to 5” front cover) 3 = Network Bay, extends 4” beyond base (equivalent to 6” front cover) 4 = Network Bay, extends 6” beyond base (equivalent to 8” front cover) 5 = UFER, extends 0” beyond base (equivalent to 2” front cover) 6 = UFER, extends 1” beyond base (equivalent to 3” front cover) 7 = UFER, extends 3” beyond base (equivalent to 5” front cover) 8 = UFER, extends 4” beyond base (equivalent to 6” front cover) 9 = UFER, extends 6” beyond base (equivalent to 8” front cover)</p>				<p><b>D: Rear Cover Type</b> 0 = Network Bay, Extends 0” Beyond Base (Equivalent To 2” Rear Cover) 1 = Network Bay, Extends 1” Beyond Base (Equivalent To 3” Rear Cover) 2 = Network Bay, Extends 3” Beyond Base (Equivalent To 5” Rear Cover) 3 = Network Bay, Extends 4” Beyond Base (Equivalent To 6” Rear Cover) 4 = Network Bay, Extends 6” Beyond Base (Equivalent To 8” Rear Cover) 5 = UFER, Extends 0” Beyond Base (Equivalent To 2” Rear Cover) 6 = UFER, Extends 1” Beyond Base (Equivalent To 3” Rear Cover) 7 = UFER, Extends 3” Beyond Base (Equivalent To 5” Rear Cover) 8 = UFER, Extends 4” Beyond Base (Equivalent To 6” Rear Cover) 9 = UFER, Extends 6” Beyond Base (Equivalent To 8” Rear Cover)</p>		

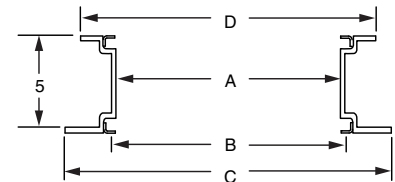
**CLOSED BAY**  
(GUARD BOX ON WIDE FLANGE)

**OPEN BAY**  
(GUARD BOX ON NARROW FLANGE)

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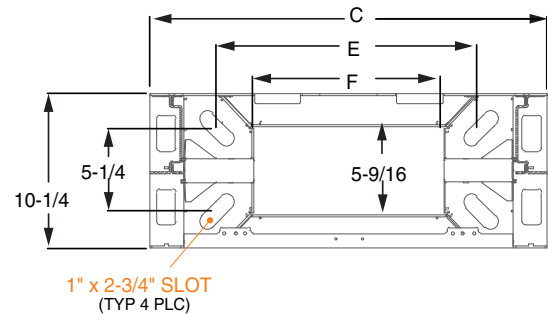
width	A	B	C	D	E	F
23"	21-3/4"	22-5/16"	25-7/8"	23-7/8"	17-7/16"	12-3/8"
19"	17-3/4"	18-5/16"	21-7/8"	19-7/8"	13-7/16"	8-3/8"



Upright Profile  
(Note)

	description	mounting spaces
UFER	WECO 1"; 12-24	74
	EIA Universal (5/8" x 5/8" x 1/2"); 12-24	42
	EIA Wide (1-1/4" x 1/2"); 12-24	42

	description	mounting spaces
Netbay	WECO 1"; 12-24	76
	EIA Universal (5/8" x 5/8" x 1/2"); 12-24	44
	EIA Wide (1-1/4" x 1/2"); 12-24	44



**Features**

- Designed specifically to cross the boundary of EIA and GR-63.
- This is a seismically tested (Zone 4) rack with 17.75" between the uprights on the 19" version (according to the EIA 310 guidelines). It provides open access to the base and integral cable tie bars for faster installation.

**Ordering information**

Use the following to determine the ten-character ordering number of the ngn type rack desired. The ordering number is constructed as follows

C2

**Examples:**

Ordering number 0049300131 specifies an ngn seismic unequal flange equipment rack (ufer), 19" equipment mounting, closed duct, 1" mounting hole pattern, 7'-0" height, without a top angle, finish code 31 (gray).

Ordering number 0049770264 specifies an NGN seismic network bay (sNetbay), open duct, 23" equipment mounting, eia universal hole pattern (5/8" – 5/8" – 1/2"), 7' – 0" height, with a top angle, finish code 64 (blue).

0049	A	B	C	D	XX
0049: Next Generation Network (NGN)	<b>A: RACK TYPE &amp; EQUIPMENT MOUNTING WIDTH</b> 2 = SEISMIC UNEQUAL FLANGE EQUIPMENT RACK (SUFER); 23" 3 = SEISMIC UNEQUAL FLANGE EQUIPMENT RACK (SUFER); 19" 7 = SEISMIC NETWORK BAY (sNetbay); 23" 8 = SEISMIC NETWORK BAY (sNetbay BAY); 19"	<b>B: DUCT TYPE, EQUIPMENT MOUNTING HOLE PATTERN</b> 0 = CLOSED DUCT, 1" HOLE PATTERN; 12-24 1 = CLOSED DUCT, EIA WIDE (1-1/4" – 1/2") HOLE PATTERN; 12-24 2 = CLOSED DUCT, EIA UNIVERSAL (5/8" – 5/8" – 1/2") HOLE PATTERN; 12-24 5 = OPEN DUCT, 1" HOLE PATTERN; 12-24 6 = OPEN DUCT, EIA WIDE (1-1/4" – 1/2") HOLE PATTERN; 12-24 7 = OPEN DUCT, EIA UNIVERSAL (5/8" – 5/8" – 1/2") HOLE PATTERN; 12-24	<b>C: SILK SCREEN OPTIONS</b> 0 = No Silk Screen 9 = Silk Screen	<b>D: RACK HEIGHT &amp; TOP ANGLE</b> 1 = 7' - 0" Height; With Out Top Angle 2 = 7' - 0" Height; With Top Angle 3 = 7' - 6" Height; With Out Top Angle 4 = 7' - 6" Height; With Top Angle 6 = 8' - 0" Height; With Top Angle	<b>XX: FINISH CODE</b> 31 = GRAY 64 = BLUE

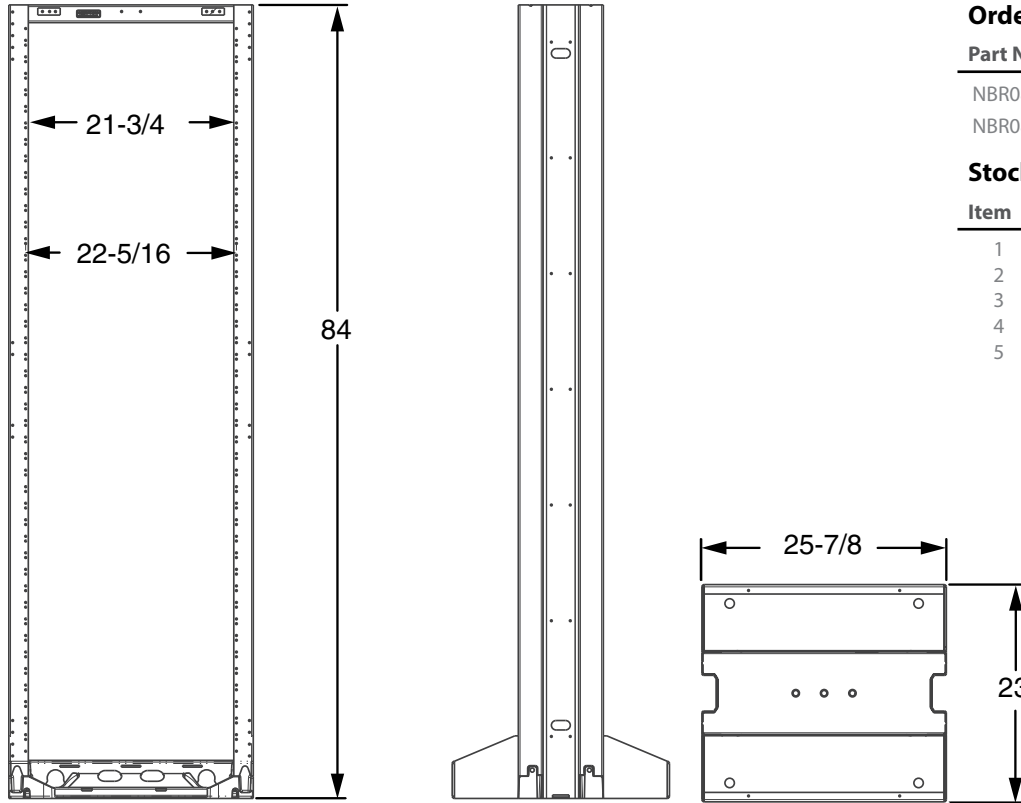
**Notes**

- Dimensional information: refer to table a.
- Equipment mounting: refer to tables for mounting hole spacing and mounting spaces. All racks are double side drilled and tapped as shown.
- Meets the earthquake criteria (seismic Zone 4) of Telcordia document . GR-63-core, issue 1, sections 4.4 And 5.4, When loaded with 500 pounds to simulate rack mounted equipment.
- Base mounting pattern (refer to section a-a) meets the criteria of GR-63-core.
- Product weight (pounds, approximate): 7'–0" (100).

**NEWTON BATTERY RACK**

Sales Sheet Modified:03/28/2019

C2



**Ordering Table**

Part Number	Description	Height
NBR0842300XX	only rack	7'-0"
NBR0842303XX	rack with shelves	7'-0"

**Stock List for NBR0842303XX**

Item	QTY	Description
1	1	Wire Guide Kit
2	2	Battery Bus Bar Kit
3	1	Battery Cover Kit
4	1	Battery Rack
5	3	Universal Battery Shelf

