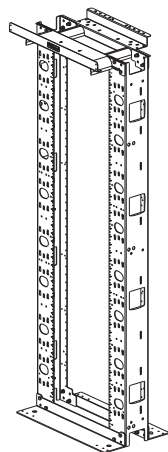


### INSTRUCTIONS CM281G

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**NFR84**

#### Modular *NETFRAME* Rack

- (2) Vertical Channels
- (2) Base Angles
- (1) Pack of (20) 3/8x1.00 Bolt, Lockwasher, Nut
- (1) Front Top Flange
- (1) Rear Top Flange
- (2) Center Waterfalls
- (1) Pack of (25) #12-24x1/2" Screws
- (1) Grounding and Hardware Kit

#### Optional Accessories



- (2) Rear Extender Bracket
  - (8) #12-24 Screws
- NFREB2**



- (1) Spool
  - (2) #12-24 Screws
- NFSK**



- (1) Vertical Slack Manager
- NFVSM4**



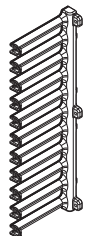
- (1) Center Door, with brackets
- NFD884**  
**NFD1284**



- (1) *NETFRAME* Extender Door Brackets for 23" Mtg
  - (4) #10-32 Screws
- NFEDB23**



- (16) Center D-rings
- NFCDRK**



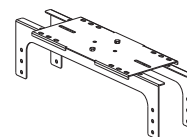
- (8) Bend Radius Fingers
- NFBRFK**



- (8) D-rings
- NFDR4X6K**



- (1) Shelf
  - (4) #12-24 Screws
- NFSHLF19x18**  
**NFSHLF19x25** (shown)

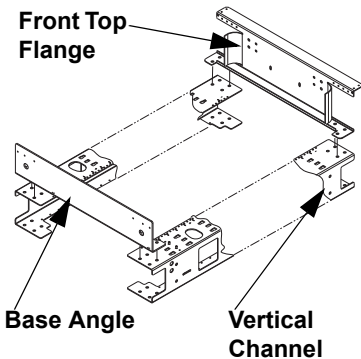


- (1) Ladder Rack Bracket
  - (2) 3/8"-16x1" Hex Bolts
  - 3/8"-16 Hex Nuts
  - 3/8" Split Lockwasher
- NFLRB**



- (1) Door, 4" wide w/ Mtg Brackets
  - (4) #10-32 Screws
- NFD484**

#### Rack Assembly

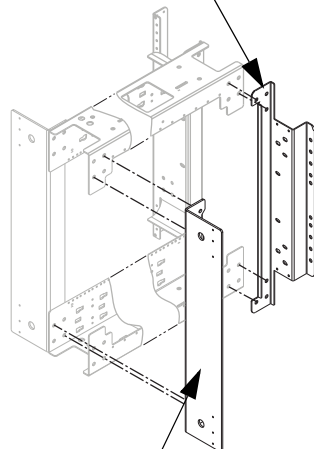


##### Step 1

Lay the two vertical channels on the floor or a pair of sturdy saw horses to ease installation.

Install (1) Base Angle and Front Top Flange on the vertical channels using (8) 3/8" bolts, lockwashers and nuts provided. **Do not tighten.**

#### Rear Top Flange

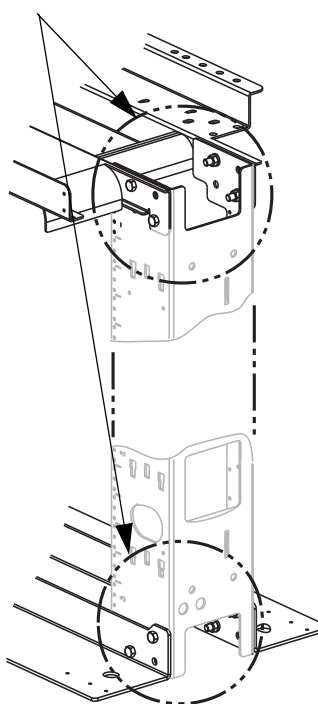


##### Base Angle

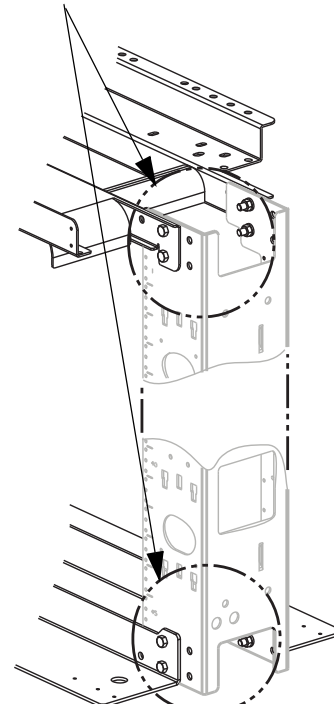
##### Step 2

Roll the rack on its side to install the other base angle and rear top flange using (8) 3/8" bolts, lockwashers and nuts provided. **Do not tighten.**

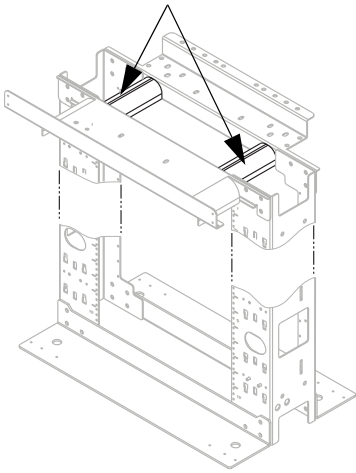
#### 19" Mounting



#### 23" Mounting



**Center Waterfall**

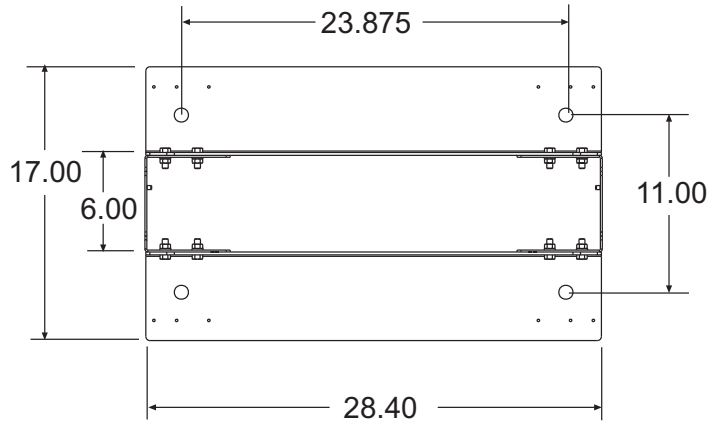


**Step 3**

Stand the rack upright. Verify #12-24 tapped holes are EIA spaced at 18.31", square the rack and tighten bolts. Install the two waterfalls with the #10-32 screws provided.

**Location Guide: 19" Rack**

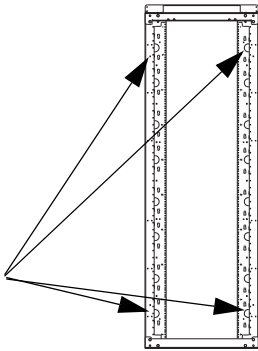
Mount rack to floor using the location guide below for mounting hole and overall size information.



**Grounding Kit**

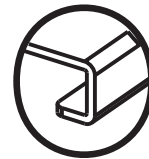
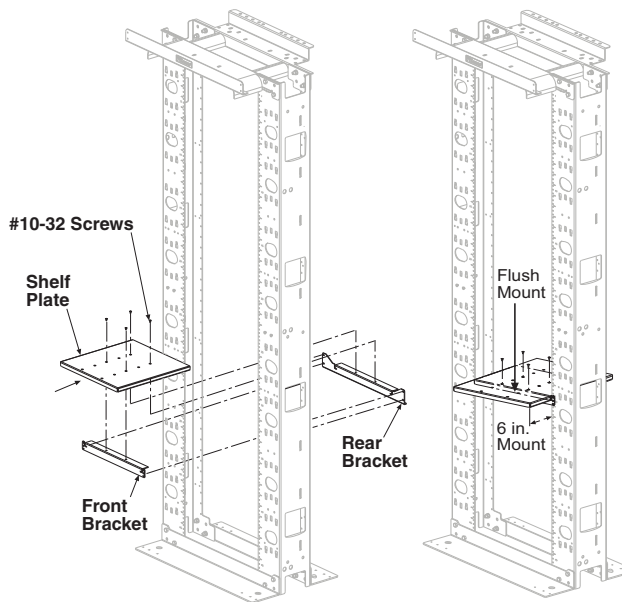
- (1) Barrel Lug
- (1) 1/4"-20 Screw

Barrel Lug and Grounding Screw mounts to rear of rack in one of four optional places.

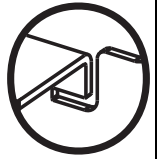


**Shelf Installation**

NFSLF19X18, NFHSLF19X25



"C" Channel

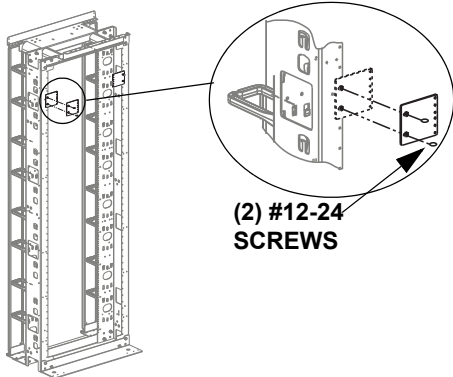


"J" Slot

Attach Rear Bracket to rear of rack at desired height with #12-24 screws. Attach Front Bracket to front of rack at desired height with #12-24 screws. Attach Shelf Plate to Front and Rear Brackets with the #10-32 screws. The Shelf Plate "C" Channel mates with the bracket "J" Slot to provide adjustable mounting. Can be mounted "flush" or extended 6 inches.

**Rear Extender Bracket Installation**  
NFREB2

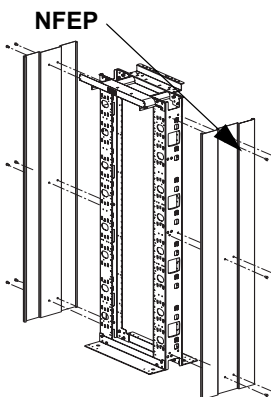
Use (2) #12-24 screws to secure each bracket in desired location



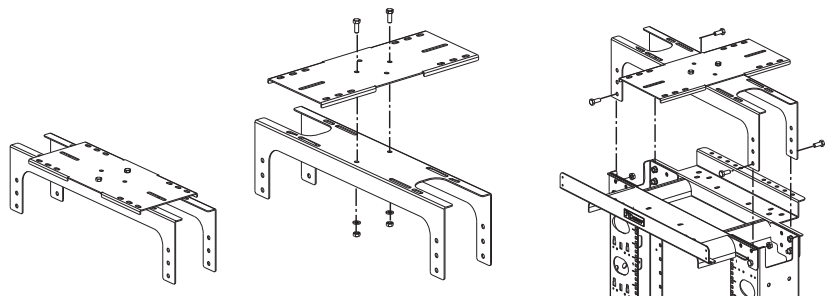
(2) #12-24  
SCREWS

**End Panel**  
NFEP

NFEP attaches to rack with (6) 3/8"-16x.625" Hex Bolts, 3/8"-16 Hex Nuts and 3/8" Split Lock-washers provided.



**Ladder Rack Bracket Installation**  
NFLRB

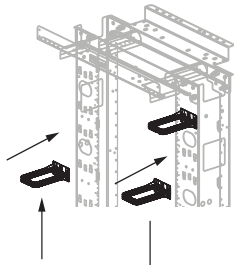


NFLRB Top Plate attaches to Main Bracket with (2) 3/8"-16x1" hex bolts, 3/8"-16 hex nuts and 3/8" split-lockwashers provided

NFLRB Top Plate can be assembled perpendicular to Main Bracket to support parallel runs of ladder rack.

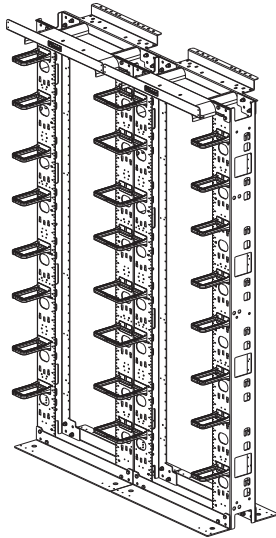
NFLRB assembles to NFR84 using 3/8"-16x1" hex bolt, nut, and lock-washer provided with NFR84

**D-Rings Installation:  
NFDR4X6K**

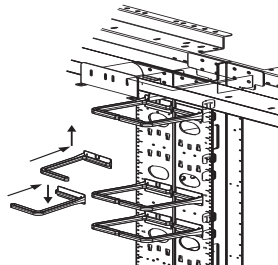


NFDR4x6K

Right side installation snaps down  
Left side installation snaps up



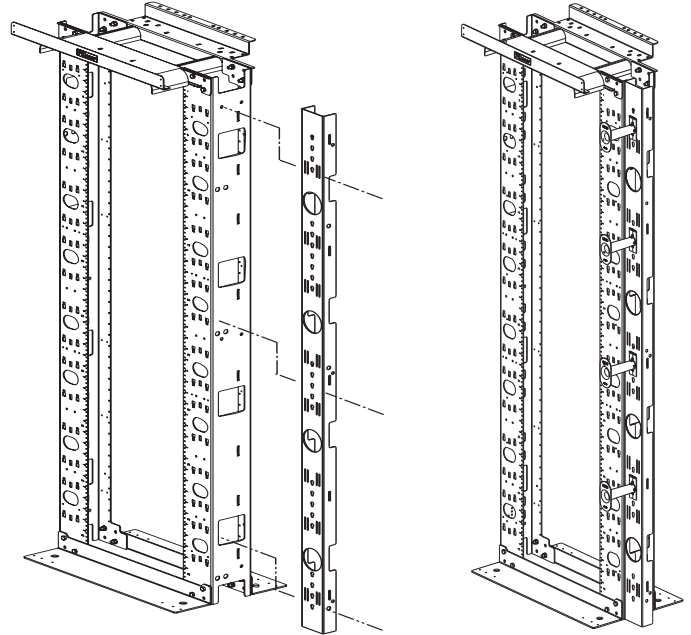
**Center D-Rings Installation:  
NFCDRK**



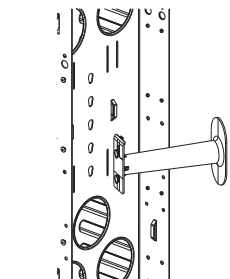
NFCDRK

**Side Mount EIA/NETFRAME Racks**

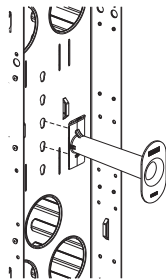
Vertical Slack Manager attaches to your frame with (3) 3/8" bolts, nuts and lock washers.



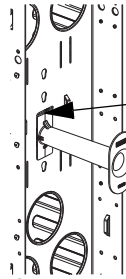
**NETFRAME Vertical Slack Manager: NFVSM4  
Spool Installation**



**Step 1**  
Align buttons with mounting leg slot



**Step 2**  
Push buttons through backbone until mounting face is flush with backbone.



**Step 3**  
Apply downward pressure until plastic spool clicks into place.

Angled Flange

**Removal/Replacement**

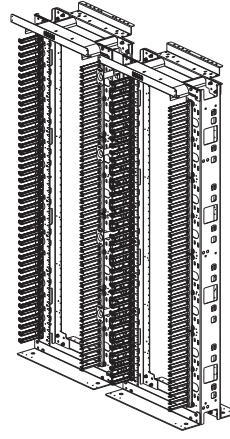
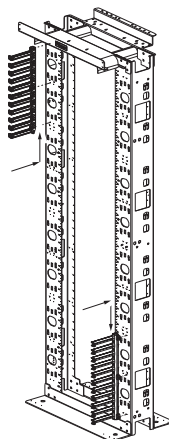
**Step 4**  
Pull back on angled flange while applying upward pressure  
**Step 5**  
Repeat steps 1-3

**Bend Radius Fingers Installation  
NFBRFK**

Fingers install by snapping (down right side) (up left side) use (3) #12-24 screws to secure each finger section in desired location.

**Note:**

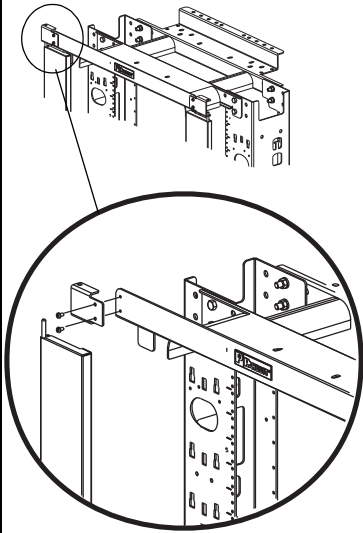
Start finger installation from bottom of rack and continue upwards on the right side. Start finger installation from top of rack and continue down on the left side.



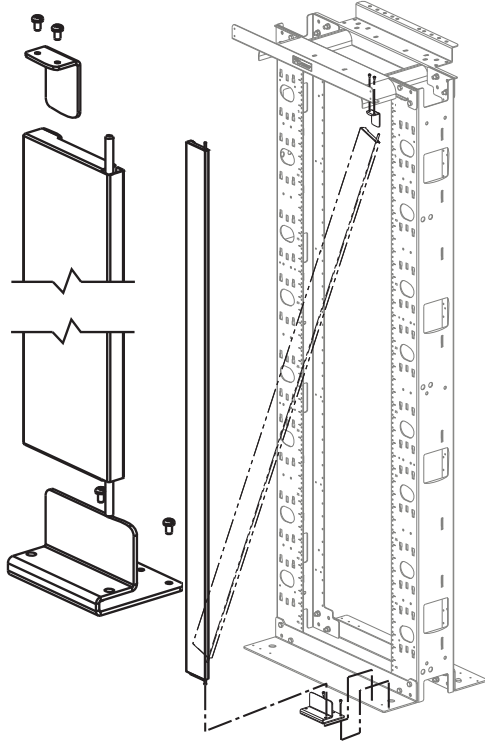
### Door Installation

**NFD484**  
**NFEDB23**

**NFEDB23** installed to *NETFRAME* Top Flange with #10-32 screws provided. To be used when rack is set-up for 23" mounting

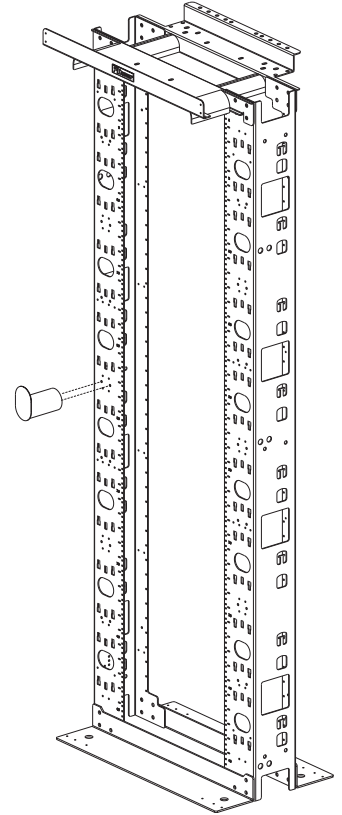


**NFD484** installed to *NETFRAME* with (4) #10x32 screws provided.



### Spool NFSK

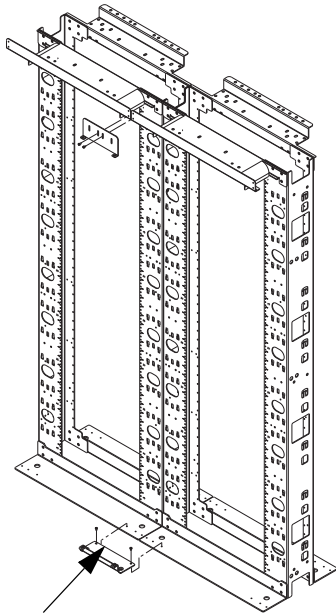
**NFSK** attaches to rack with (2) #12-24 screws provided



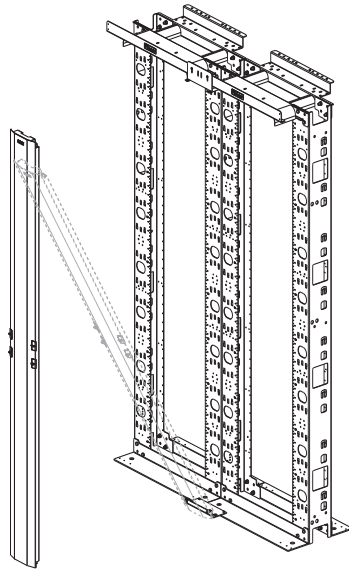
### Center Door

**NFD884**  
**NFD1284**

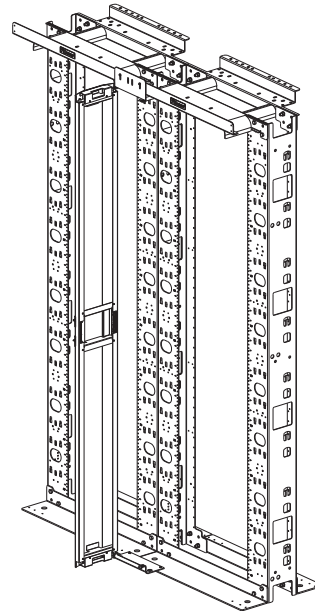
1. Use 3/8"-16x1" bolt, 3/8"-16 nut and 3/8" lockwasher provided with *NETFRAME* to gang two racks together using *NETFRAME* junction holes located on side of rack channels.
2. Straddling the two racks, fasten Top Bracket and Bottom Bracket with #10-32x5/16" screws provided.
3. Door installs to top and bottom brackets by aligning lower hinge pin to hinge pin mounting hole. Squeeze knobs together, then align upper hinge pin to upper hinge pin mounting hole. Release pressure on knobs to set door in place.



**Bottom Bracket**



**NFD884**



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and Technical Support:

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