



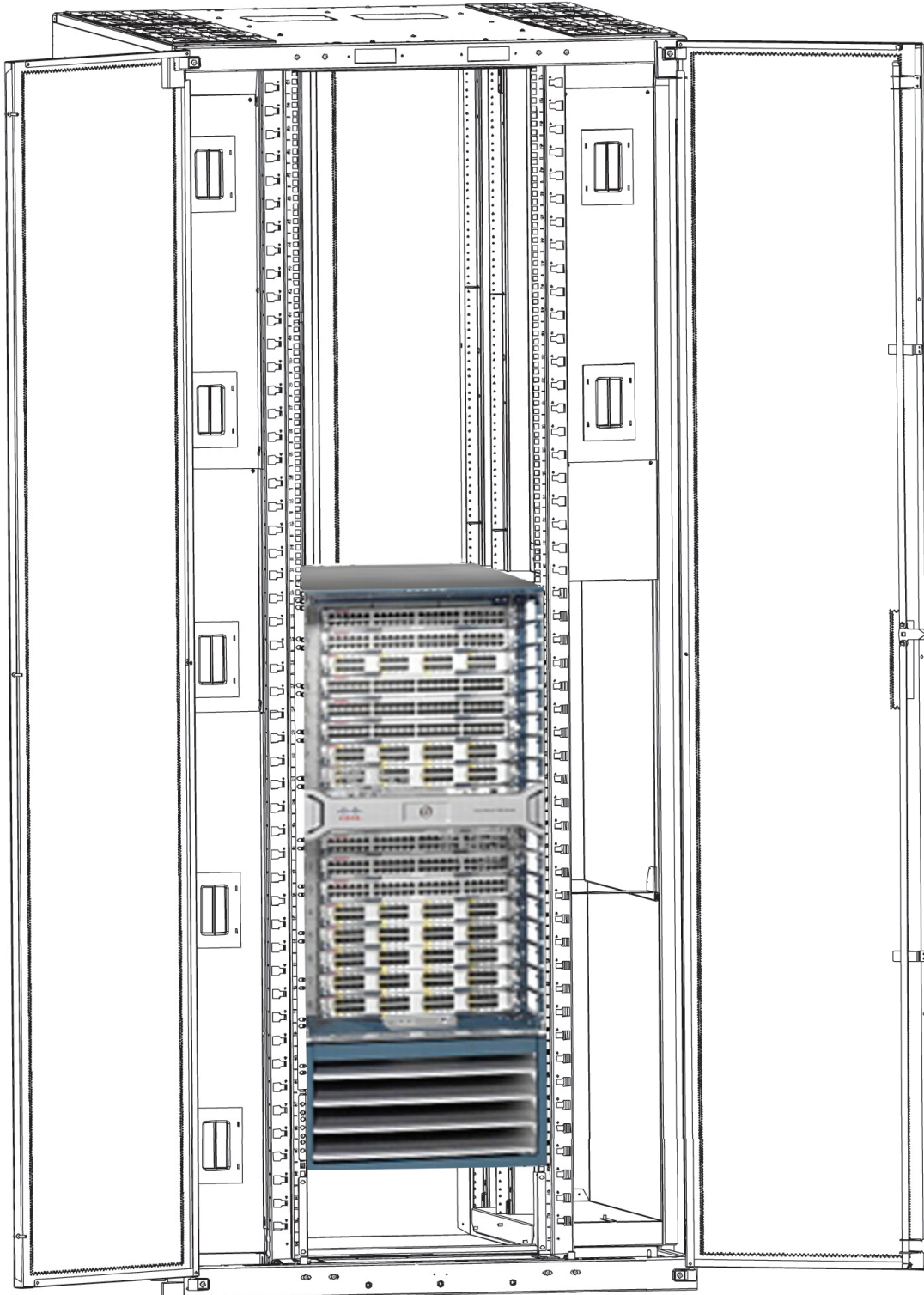
# Panduit Inlet Duct with Blanking Panels for Cisco Nexus 7018 Switch

PART NUMBERS: DIRLD0425S27W, DIRLC7018VP51 and DIRLC7018VP4248

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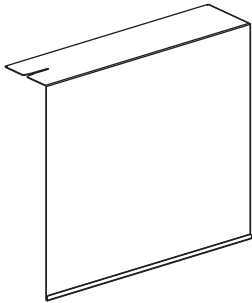
## INSTALLATION INSTRUCTIONS

V00029BR-REV.01

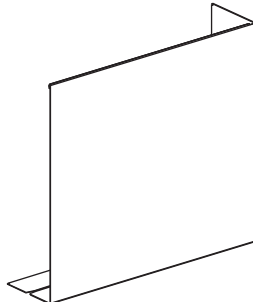


For Technical Support: [www.panduit.com/resources/install\\_maintain.asp](http://www.panduit.com/resources/install_maintain.asp)

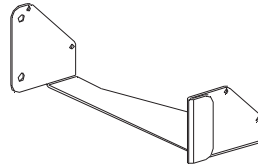
## INLET DUCT COMPONENTS



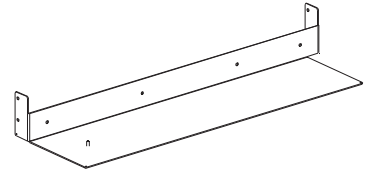
**Side Inlet Upper**  
(12V360BU)



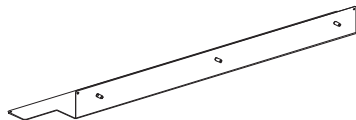
**Side Inlet Lower**  
(12V360BV)



**Inlet Stiffener  
Bracket**  
(12V360BW)



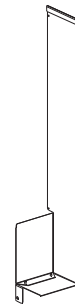
**Front-To-Back Bracket  
UR&LL**  
(12V360BJ)



**Inlet Duct Top Seal Plate**  
(12V360BN)



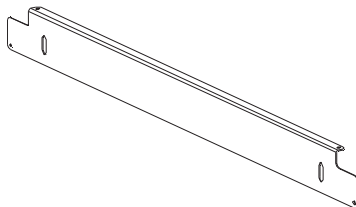
**Rear Inside Intake  
Upper**  
(12V360BY)



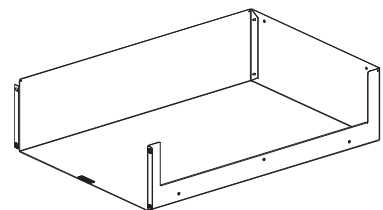
**Rear Inside Intake  
Lower**  
(12V360BZ)



**Front-To-Back Bracket  
LR**  
(12V360BM)

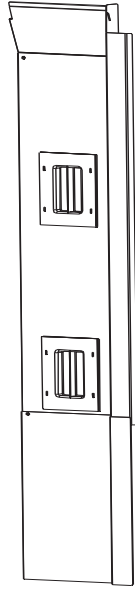


**Bottom Duct Rear Plate**  
(12V360BL)

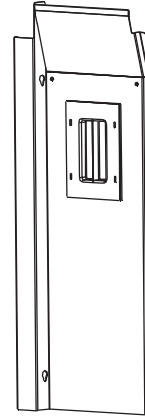


**Bottom Intake Duct**  
(12V360BK)

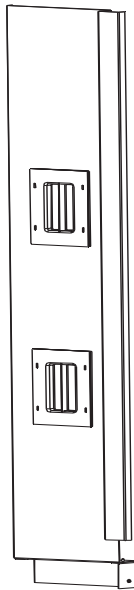
# Blanking Panel Components for 42, 45 and 48 RU Cabinets



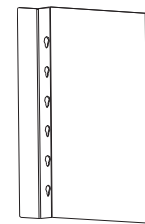
**Upper Left Air  
Dam  
(13V371ZA)**



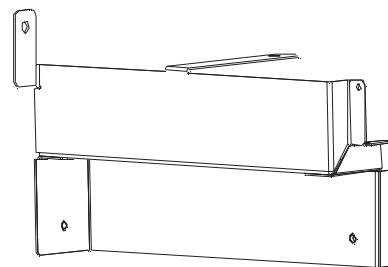
**Upper Right Air Dam  
(12V360AC)**



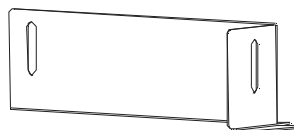
**Lower Left Air  
Dam  
(13V371ZB)**



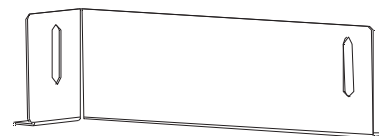
**Lower Right Air  
Dam  
(12V360BH)**



**Below Ducting  
Air Dam  
(12V360AA)**

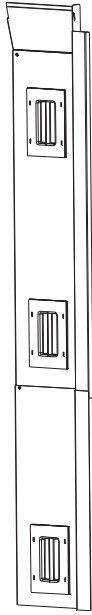


**Left Caster Seal Bracket  
(11V245HI)**



**Right Caster Seal Bracket  
(11V245HR)**

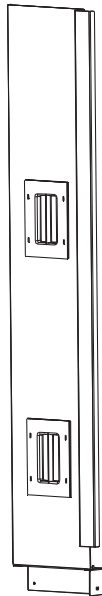
## Blanking Panel Components for 51 RU Cabinets



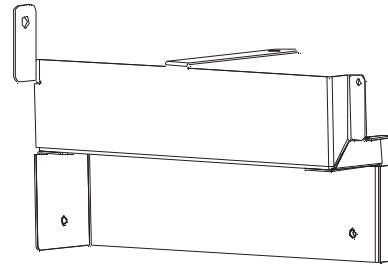
**Upper Left Air Dam  
(11V245HJ)**



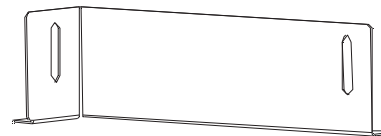
**Upper Right Air Dam  
(12V360AB)**



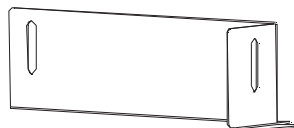
**Lower Left Air Dam  
(11V245HK)**



**Below Ducting  
Air Dam  
(12V360AA)**



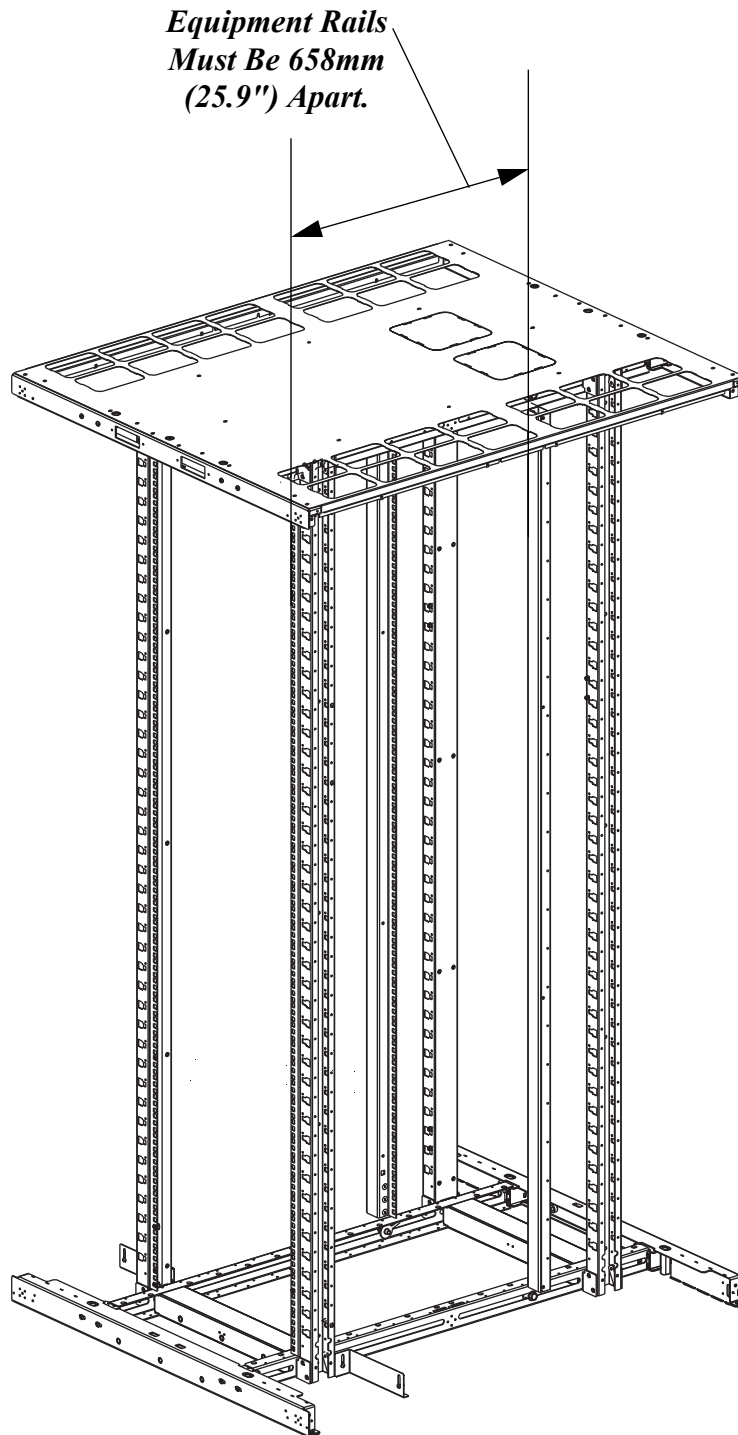
**Right Caster Seal  
Bracket  
(11V245HR)**



**Left Caster Seal  
Bracket  
(11V245HI)**

# STEP 1

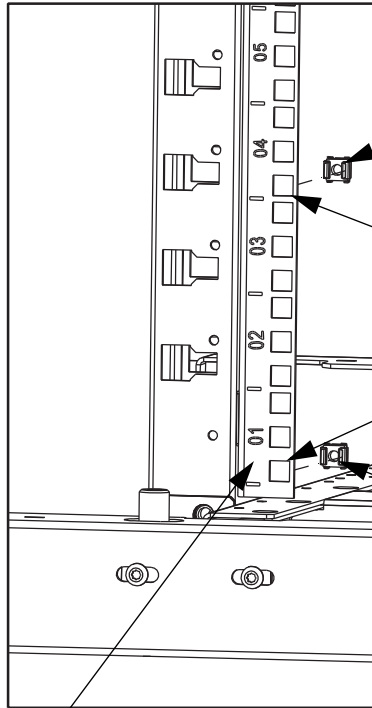
With the front equipment rails in the full forward position, front to back equipment rails must be set at 658mm (25.9") apart.



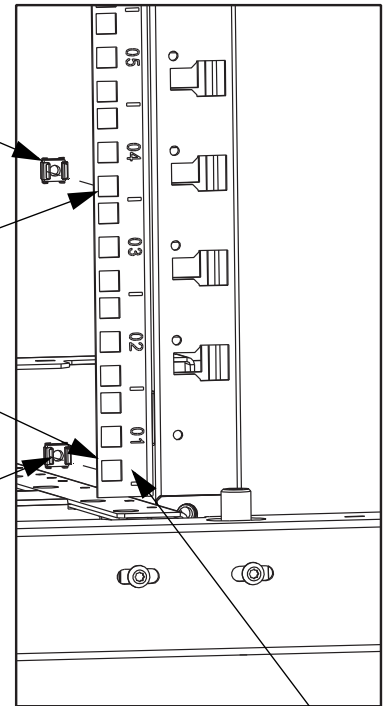
## STEP 2

Insert (5) cage nuts as shown in images A, B and C.

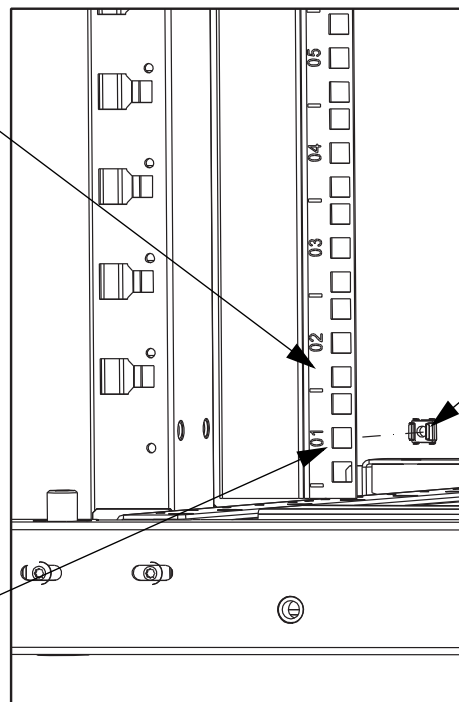
**Image A**



**Image B**



**Image C**



**Front Left  
Equipment Rail**

**Front Right  
Equipment Rail**

**Rear Left  
Equipment Rail**

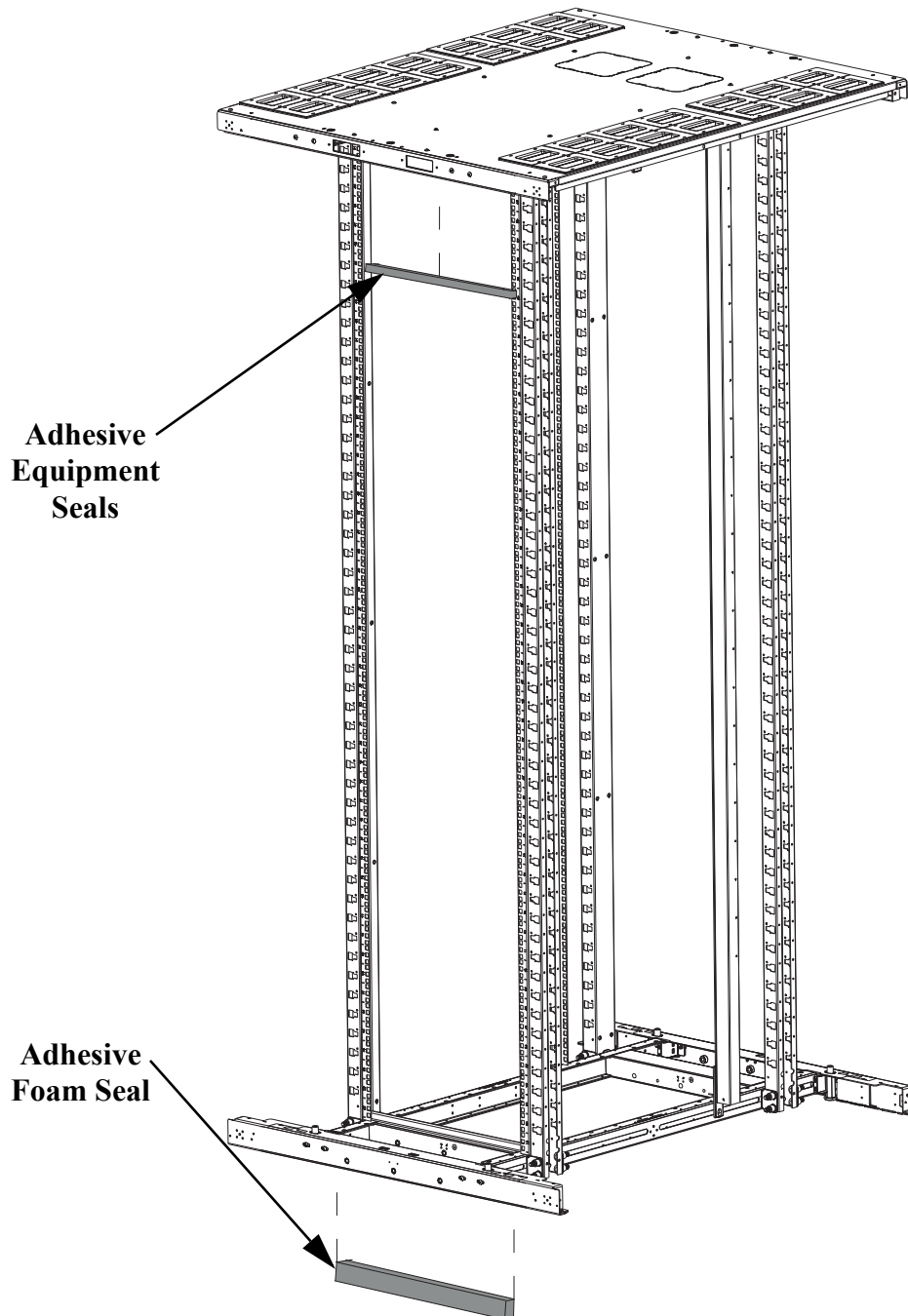
**RU 1**

**Cage Nut**

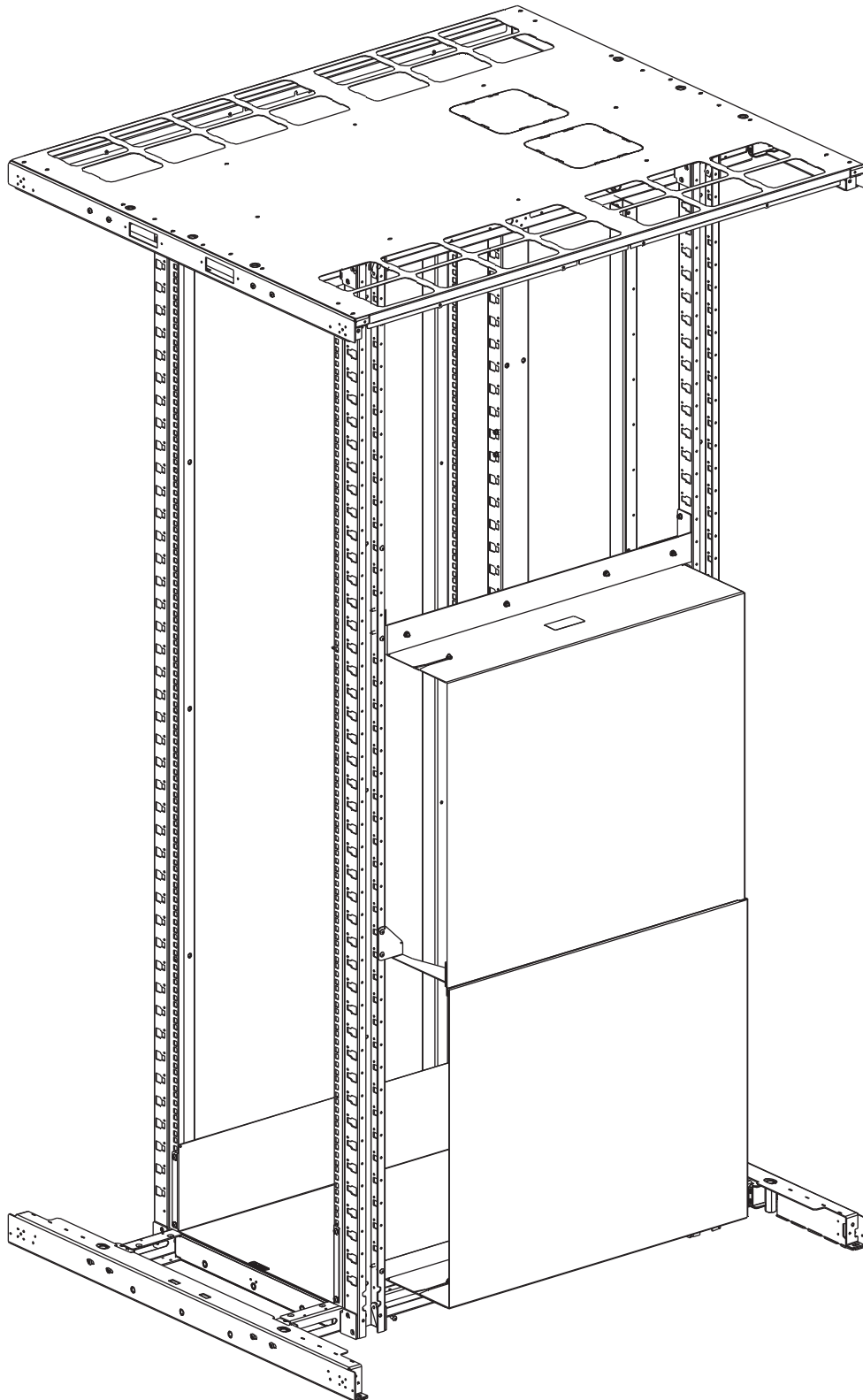
## STEP 3

- Attach (1) Adhesive Equipment Seal to the upper side-to-side beams between the front equipment rails.
- Install Adhesive Foam Seal to the underside of the front side to side beam.

\*When cabinet is level, adjust Left and Right Caster Seal Brackets (11V245HI and 11V245HR) to create an airtight seal to the floor. Tighten screws.



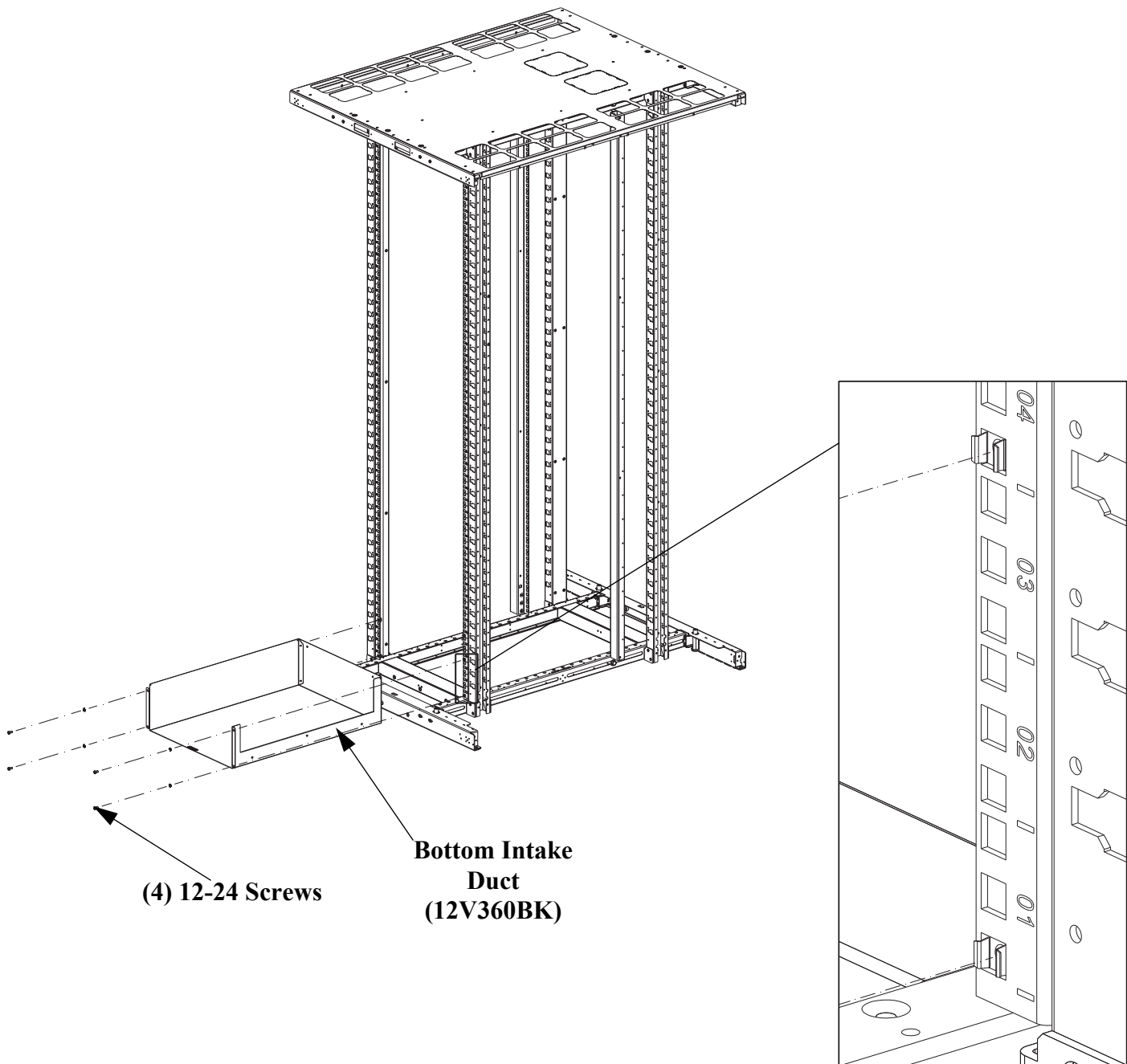
# Installing Inlet Duct





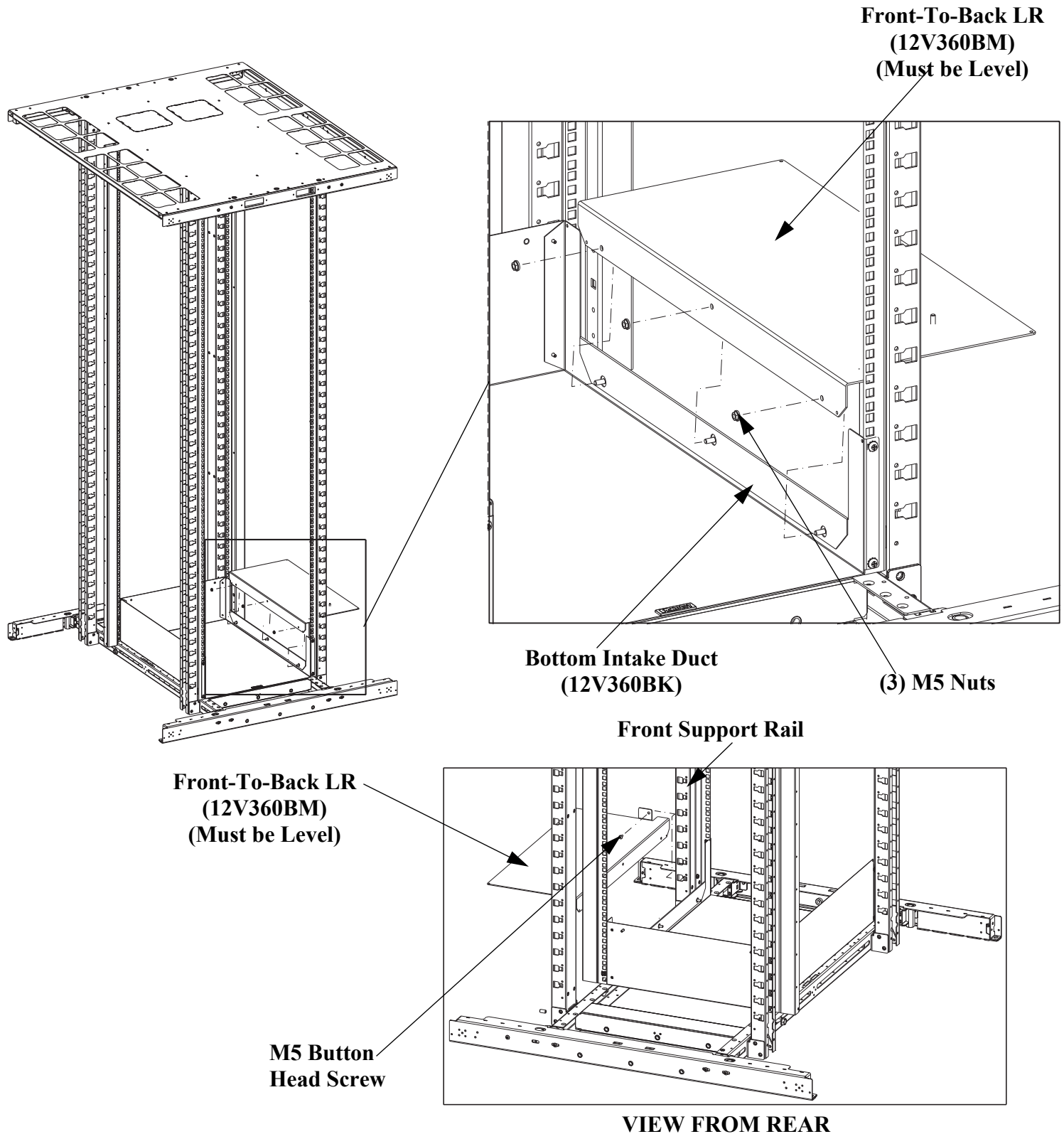
## STEP 4

Slide Bottom Intake Duct (12V360BK) into position in RU's 1-4 and fasten with (4) 12-24 screws.



## STEP 5

Attach Front-To-Back Bracket LR (12V360BM) to the (3) studs on the inside of 12V360BK (making sure that the long plate on 12V360BM is perfectly level) and secure with (3) M5 nuts. Then secure 12V360BM to the front support rail with (1) M5 button head screw.

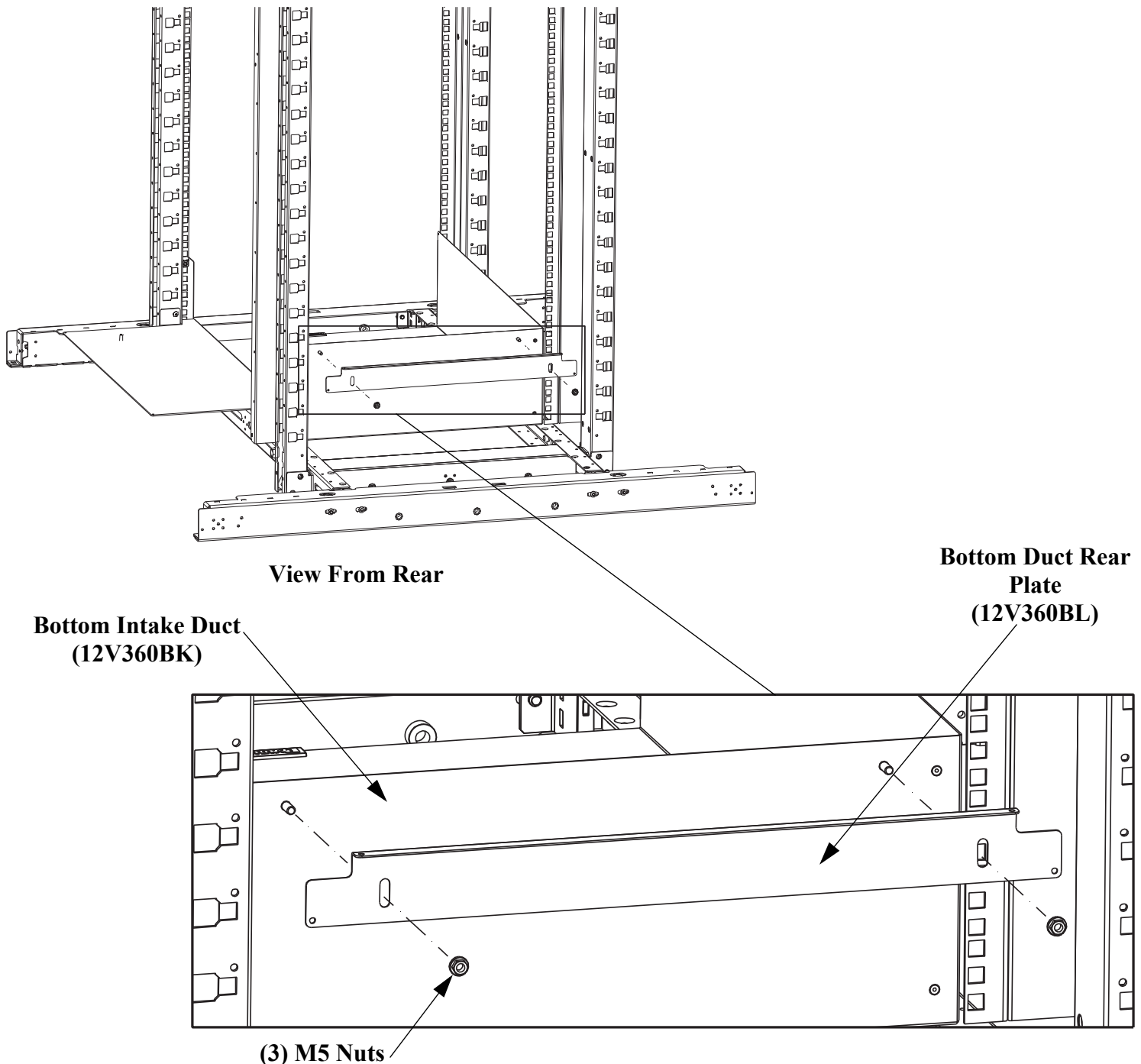


## STEP 6

Attach Bottom Duct Rear Plate (12V360BL) to the (2) studs on the back of Bottom Intake Duct (12V360BK).

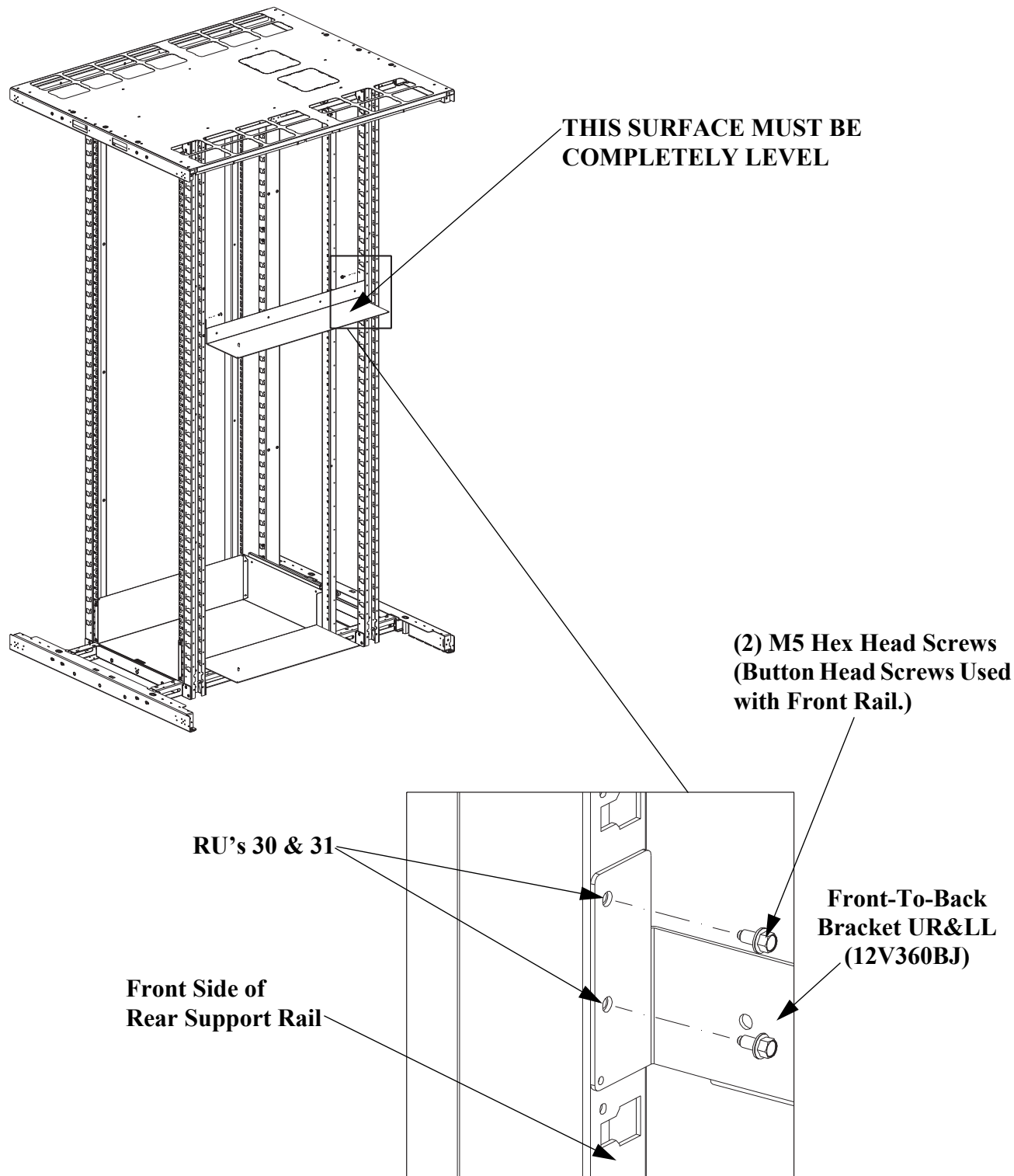
(A) If 7018 switch is in, raise Bottom Duct Rear Plate (12V360BL) up to meet the bottom of the switch and secure with (2) M5 nuts.

(B) If 7018 switch will be installed later, leave (2) M5 nuts loose until switch is in. When switch is in, perform step (A).



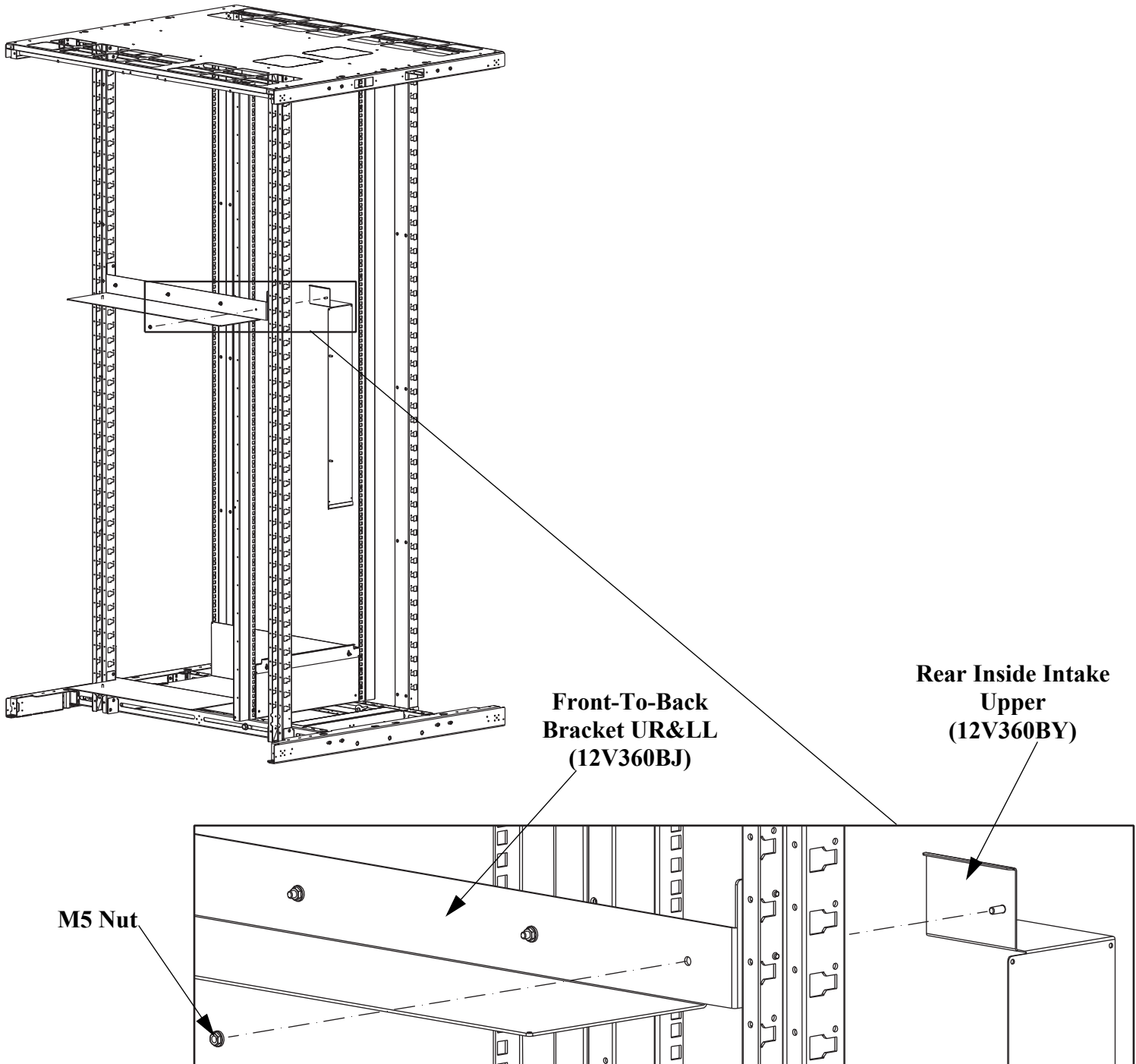
## STEP 7

Attach Front-To-Back Bracket UR&LL(12V360BJ) to the rear side of the front support rail of the cabinet at RU's 30 and 31 with (2) M5 button head screws and to the front side of the rear support rail at RU's 30 and 31 with (2) M5 hex head screws. The long plate facing out **MUST BE COMPLETELY LEVEL** before tightening screws.



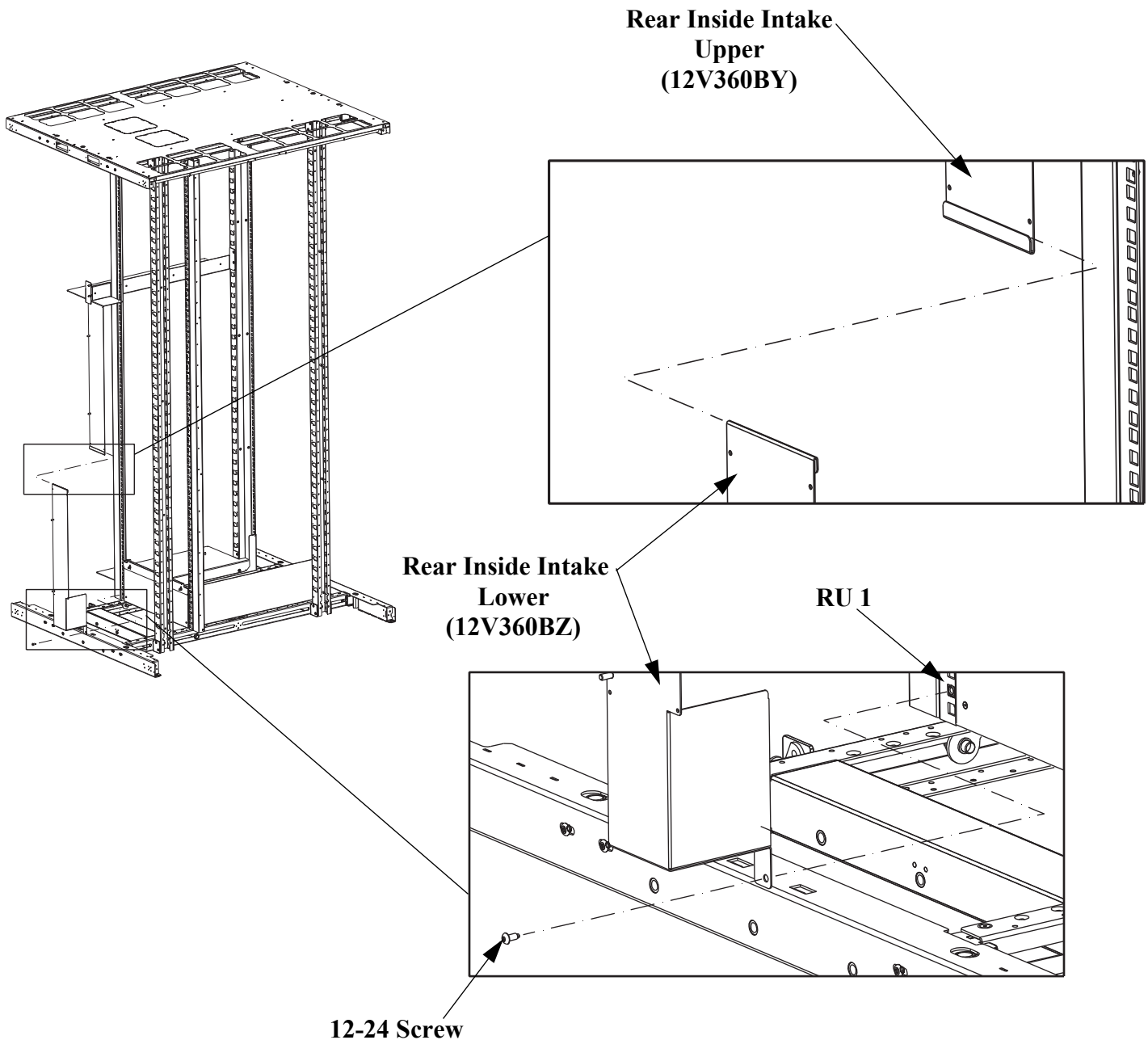
## STEP 8

From the inside of the cabinet slide the stud on Rear Inside Intake Upper (12V360BY) into Front-To-Back Bracket UR&LL (12V360BJ). Secure into place with (1) M5 nut.



## STEP 9

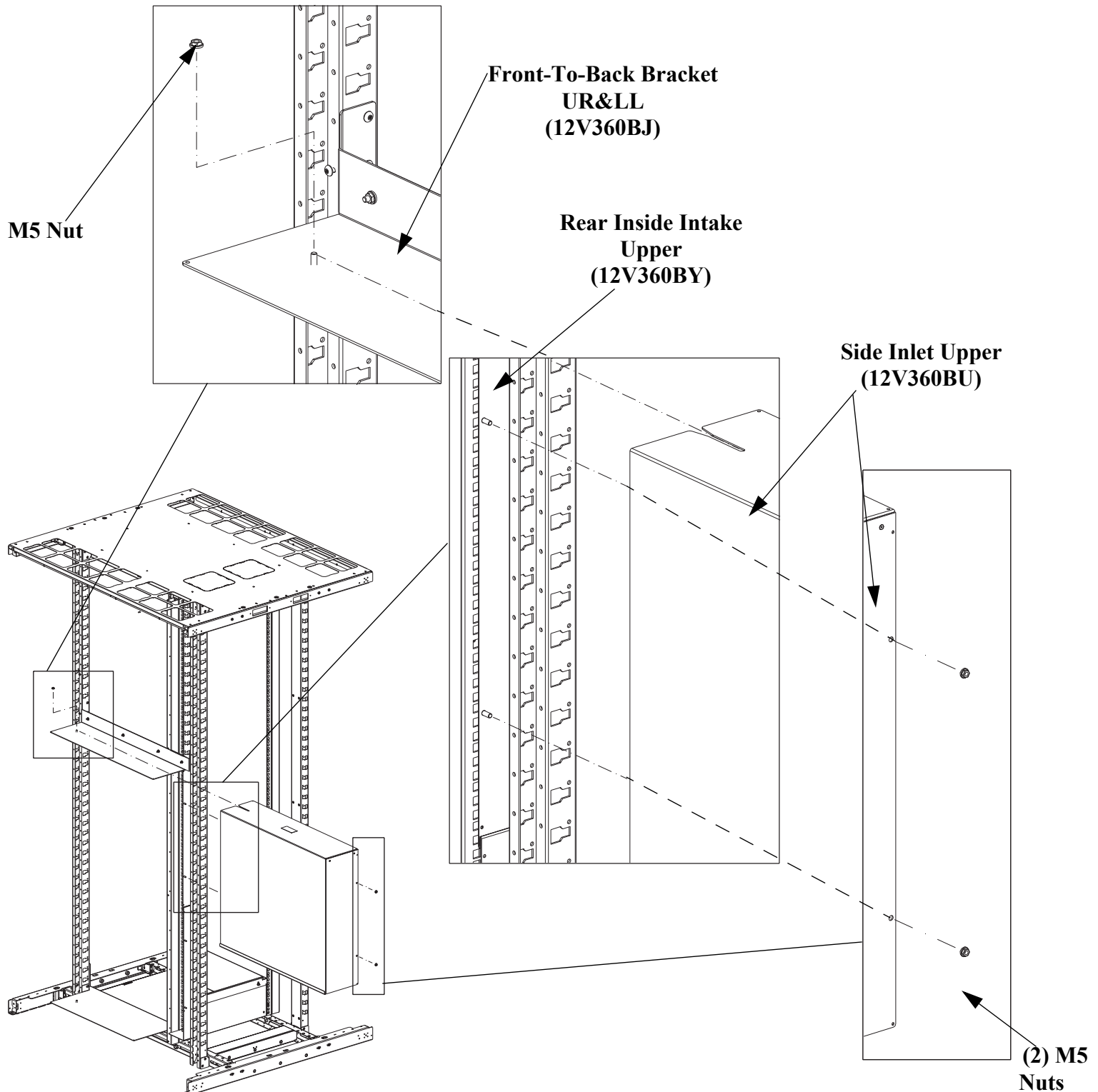
Slide the fold on the top of Rear Inside Intake Lower (12V360BZ) into the fold on the bottom of Rear Inside Intake Upper (12V360BY). Secure the bottom of 12V360BZ to the equipment rail at RU 1 with (1) 12-24 screw.



**NOTE:** Support post removed from view for clarity.

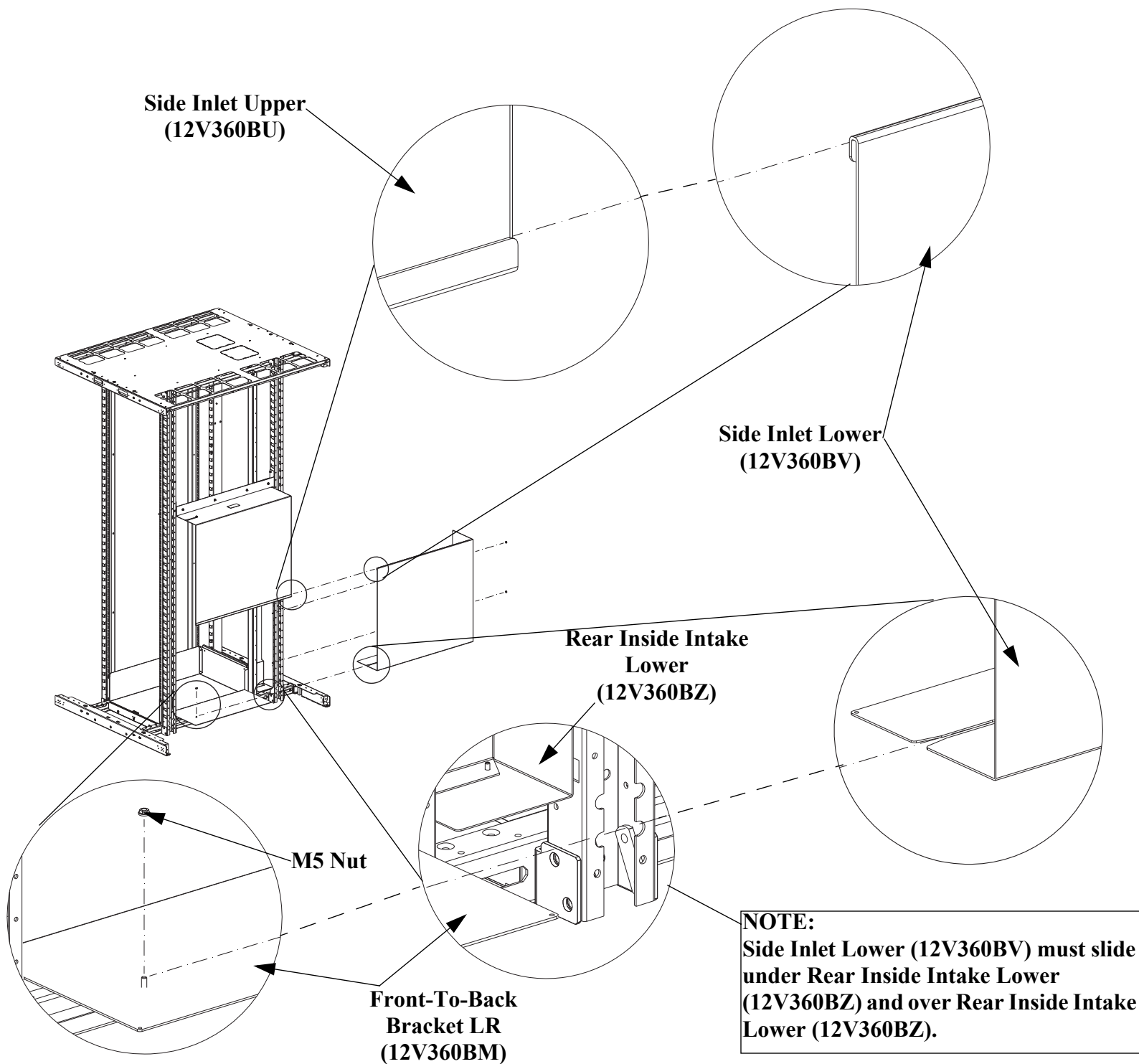
## STEP 10

Slide Side Inlet Upper (12V360BU) along the top of Front-To-Back Bracket UR&LL (12V360BJ) so that the stud on Front-To-Back Bracket UR&LL (12V360BJ) fits into the slot on Side Inlet Upper (12V360BU) and that the (2) studs on Rear Inside Intake Upper (12V360BY) fit into the (2) holes in Side Inlet Upper (12V360BU). Secure Side Inlet Upper (12V360BU) to Front-To-Back Bracket UR&LL (12V360BJ) with (1) M5 nut and to Rear Inside Intake Upper (12V360BY) with (2) M5 nuts.



## STEP 11a

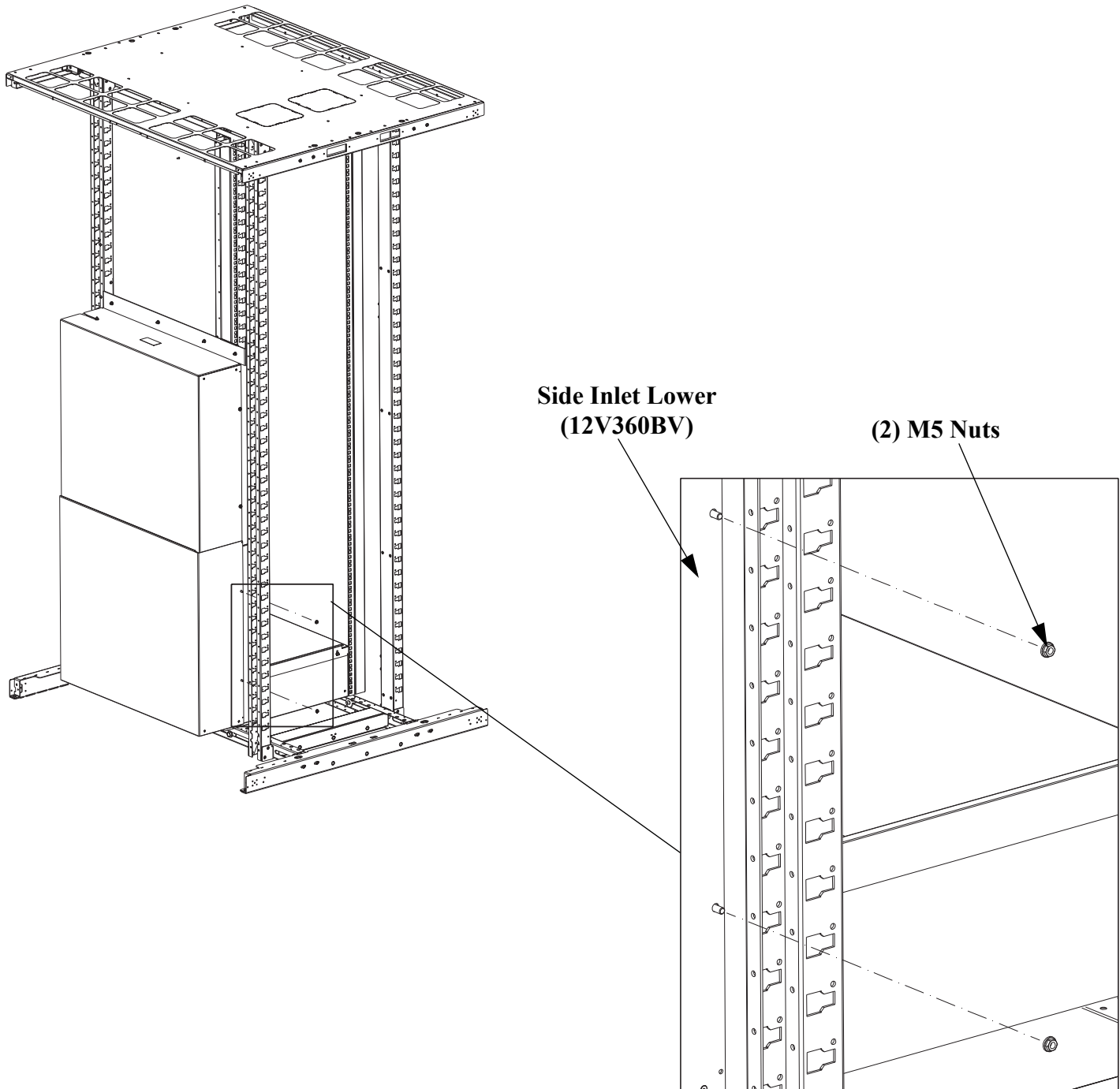
Slide the fold on the top of Side Inlet Lower (12V360BV) into the fold on the bottom of Side Inlet Upper (12V360BU). When sliding Side Inlet Lower (12V360BV) into place make sure that the bottom of Side Inlet Lower (12V360BV) passes under Rear Inside Intake Lower (12V360BZ) and over Front-To-Back Bracket LR (12V360BM) so that the slot in Side Inlet Lower (12V360BV) slides over the stud on Front-To-Back Bracket LR (12V360BM).





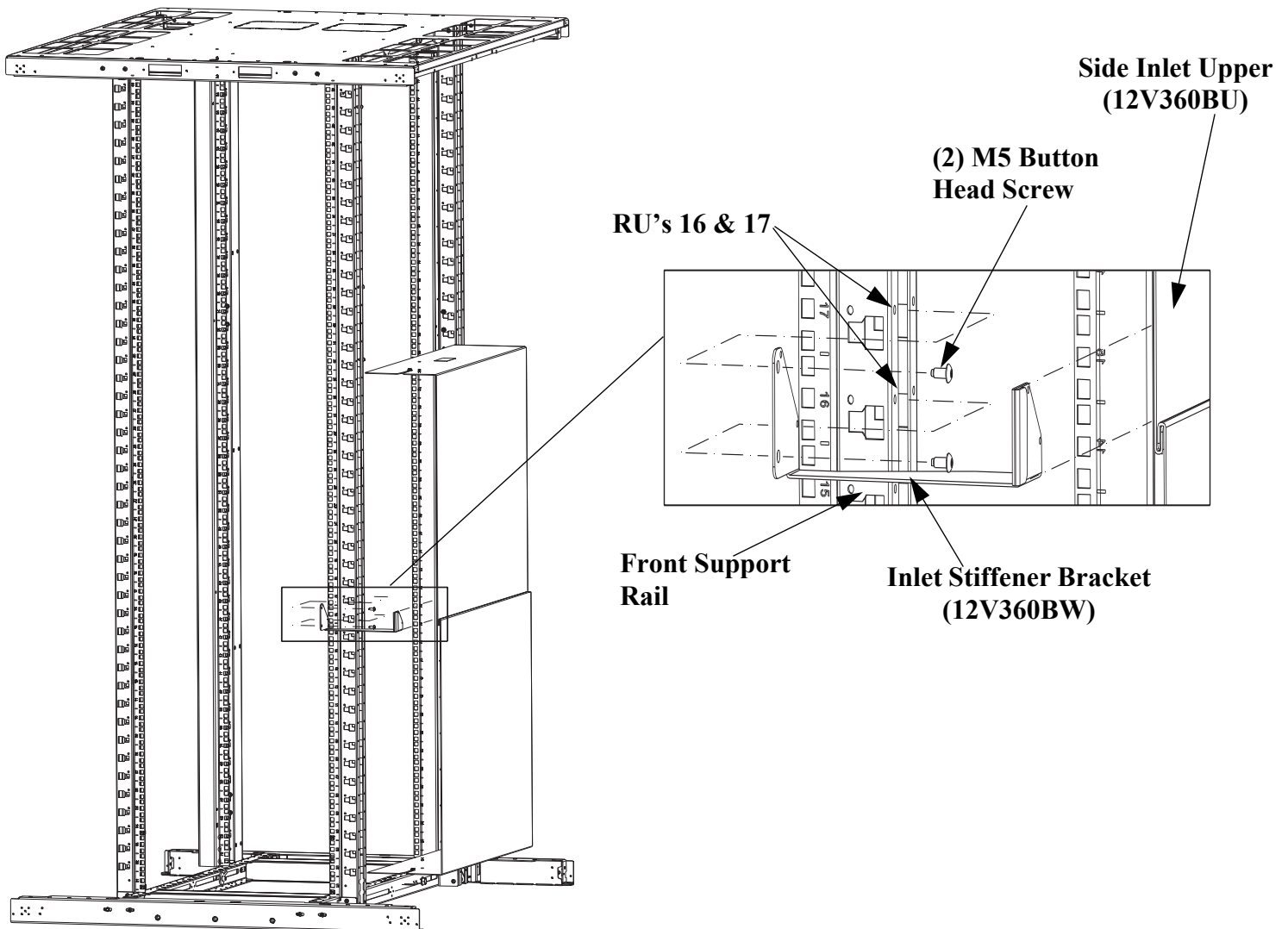
## STEP 11b

When in place the (2) studs on Rear Inside Intake Lower (12V360BZ) should pass through the (2) holes in Side Inlet Lower (12V360BV). Secure Side Inlet Lower (12V360BV) into place with (2) M5 nuts.



## STEP 12

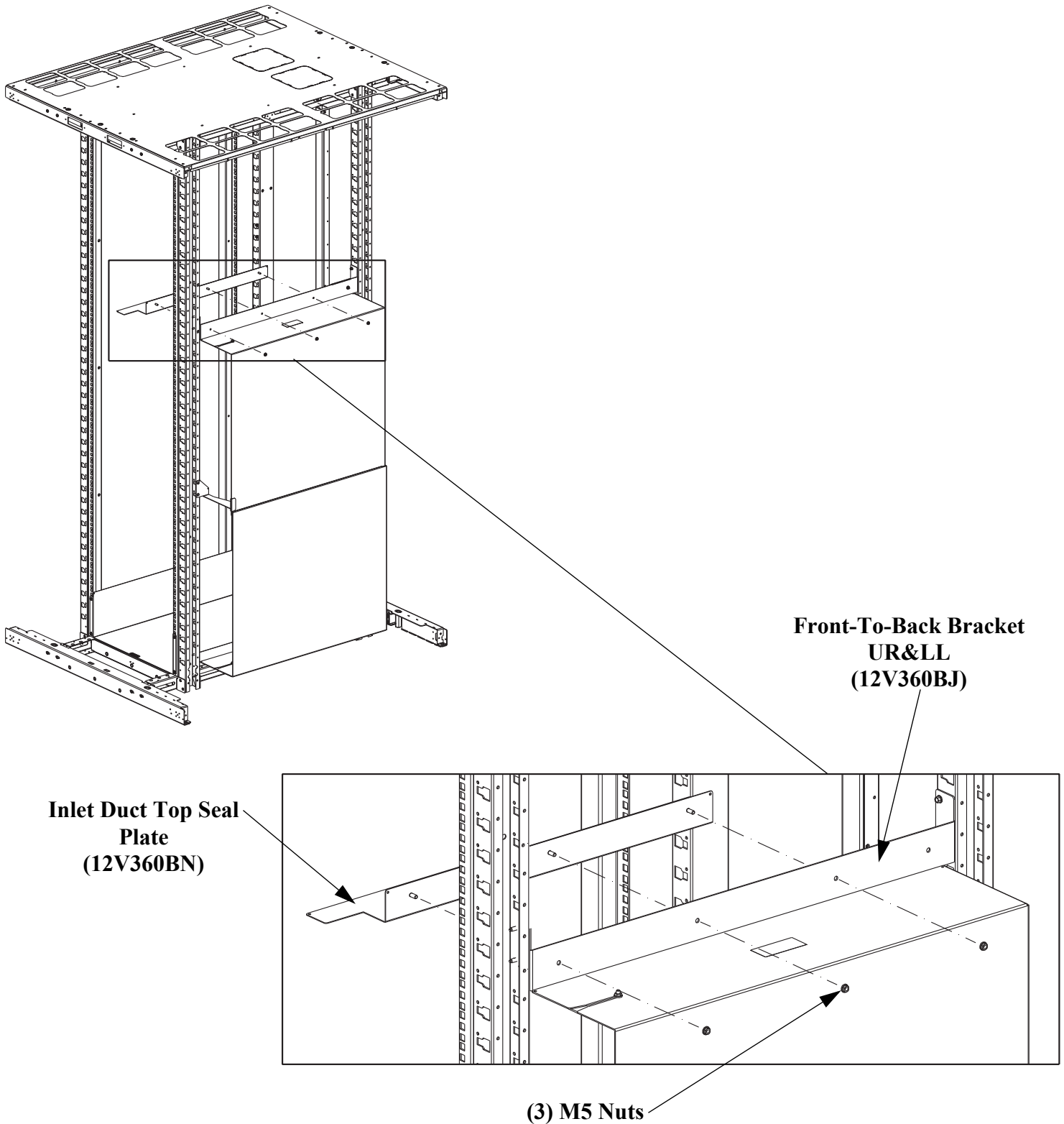
Slide the fold in Inlet Stiffener Bracket (12V360BW) over the edge of Side Inlet Upper (12V360BU). Secure to the front support rail at Ru's 16 and 17 with (2) M5 button head screws.



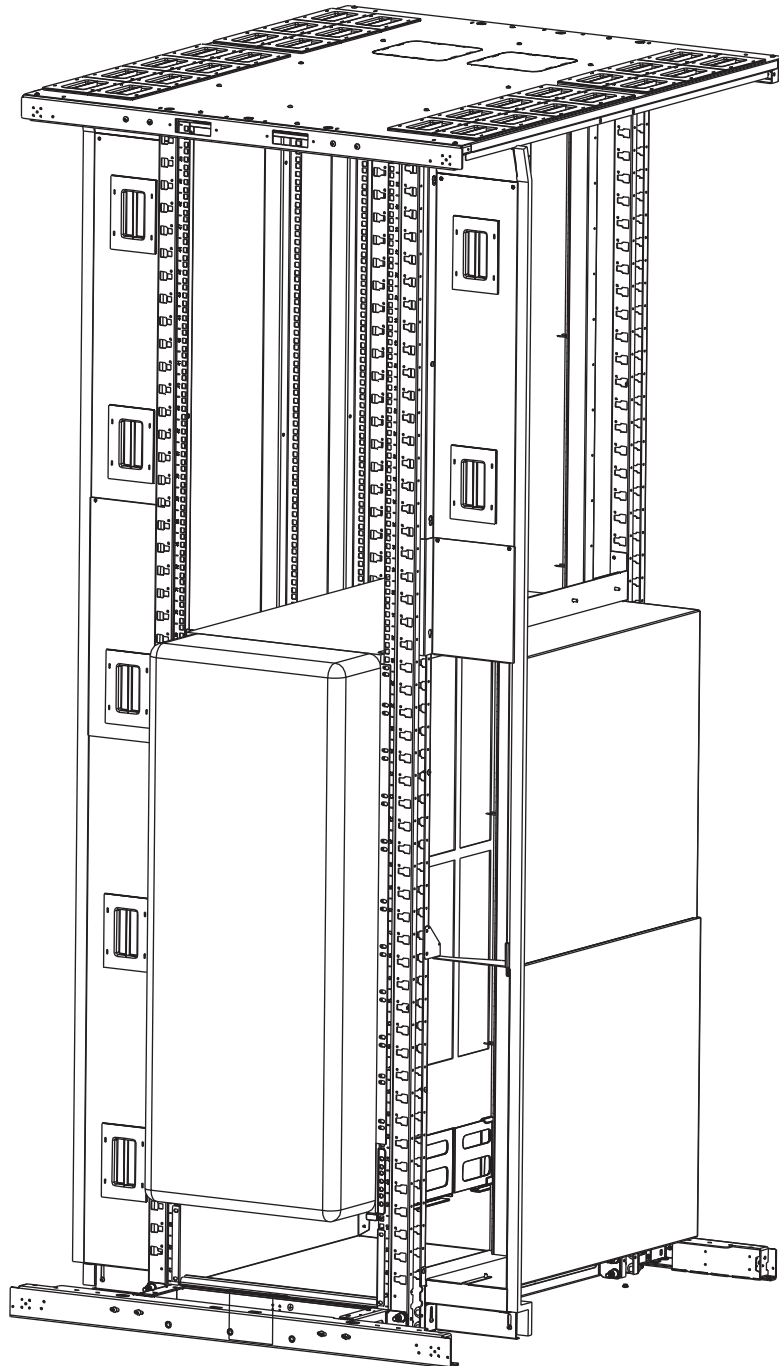
## STEP 13

Slide the (3) studs on Inlet Duct Stiffener Bracket (12V360BN) into Front-To-Back Bracket UR&LL (12V360BJ) and secure into place with (3) M5 nuts.

- (A) If switch is installed make sure plate "seals" down onto top of 7018 switch before tightening nuts.
- (B) If no 7018 switch, leave nuts loose. After switch is installed, perform step (A).

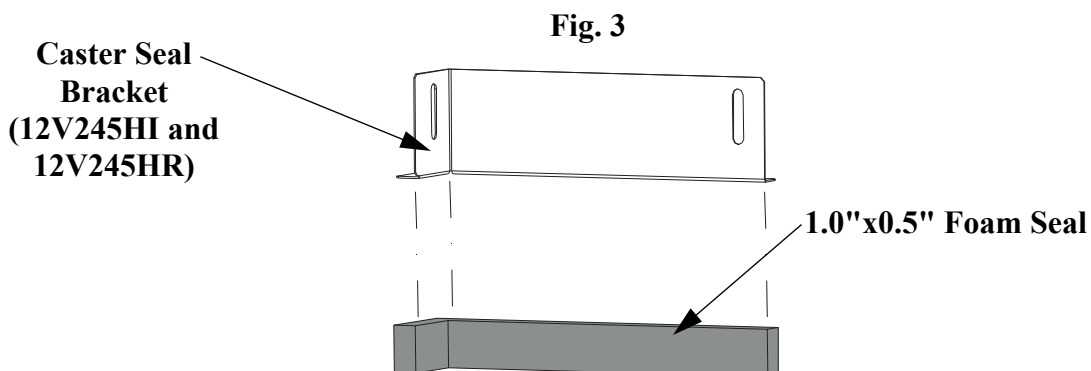
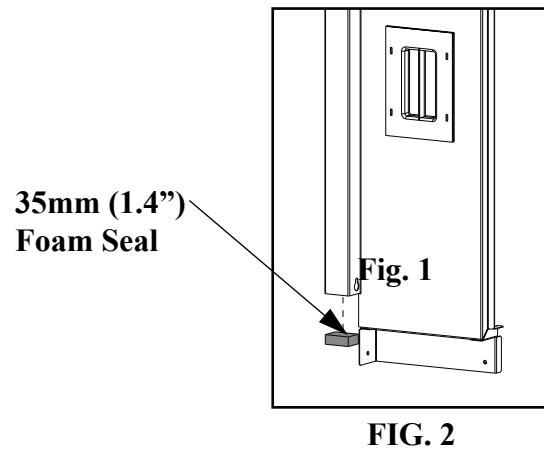
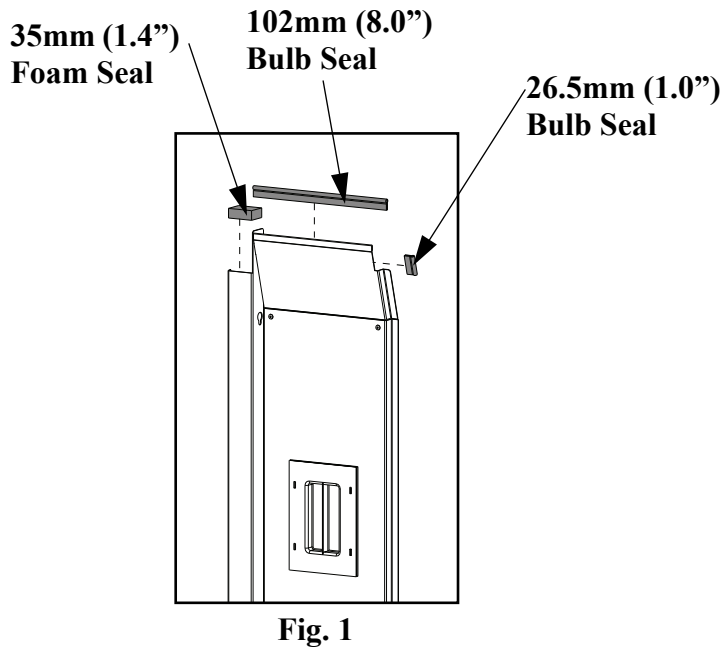


# Installing Blanking Panels



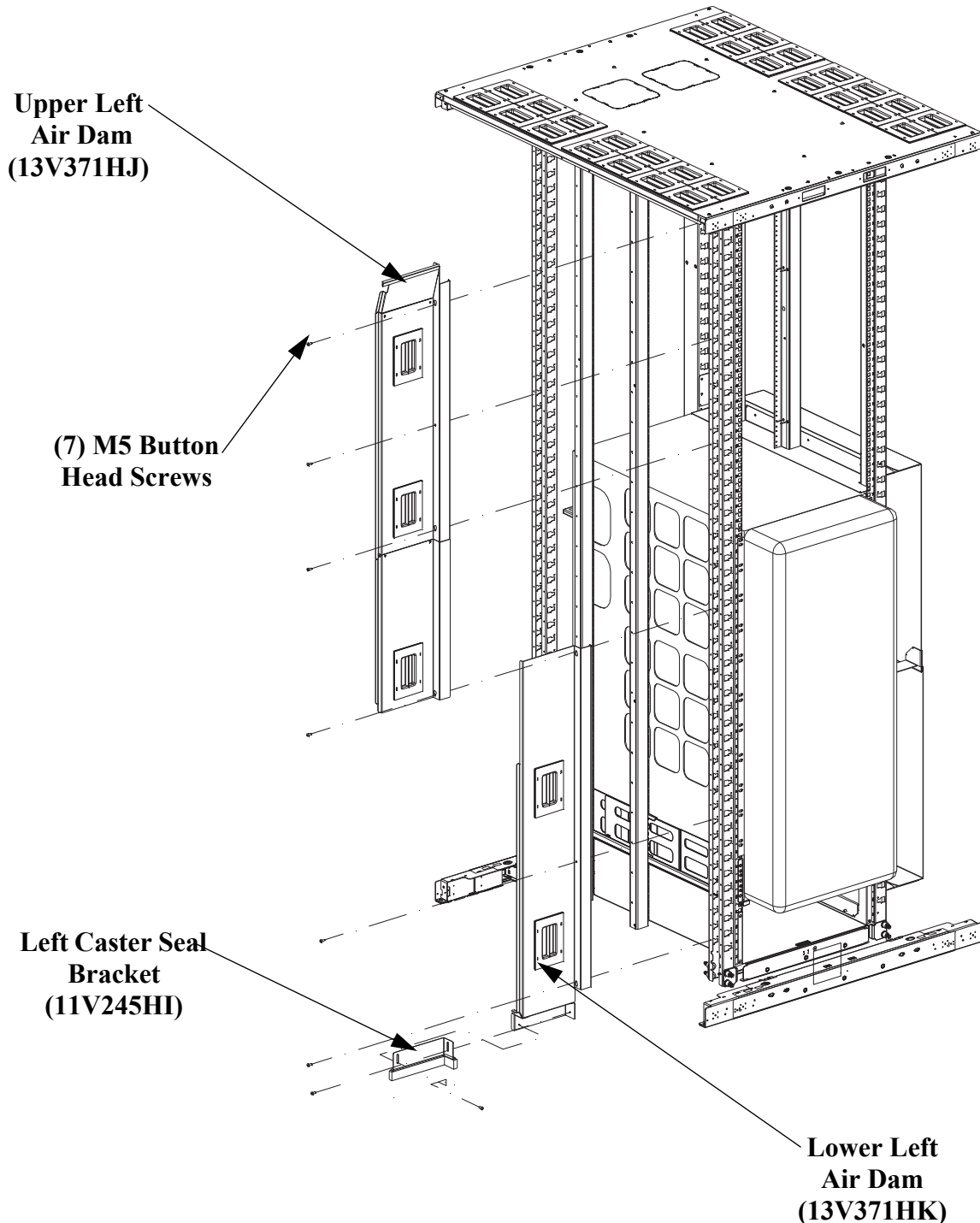
## STEP 14

- Install 102mm (8.0") Bulb Seal to the top of both Upper Air Dams. (shown in fig. 1)
- Install 26.5mm (1.0") Bulb Seal to the top side of the Upper Air Dams. (shown in fig. 1)
- Insert [2] 35mm (1.4") Foam Seals into the Upper and Lower Air Dams. (shown in figs. 1,2)
- Attach (1) strip of foam seal along the bottom of the Left and Right Caster Seal Brackets (12V245HI and 12V245HR). (As shown in Fig. 3)



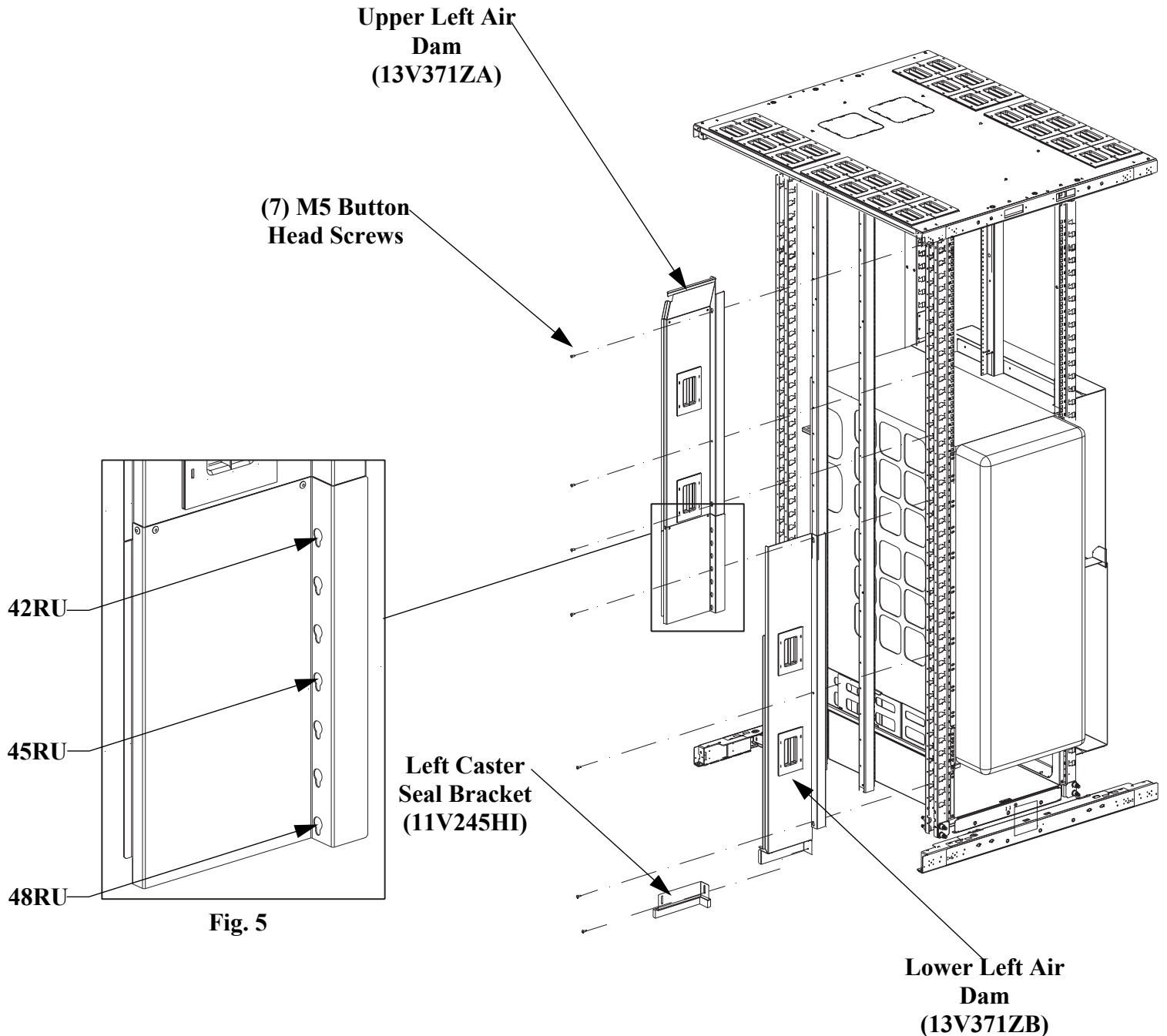
## STEP 15a (For 51 RU Cabinets Only)

- Install the Lower Left Air Dam (13V371HK) to the front cabinet support rail with (2) M5x12mm button head screws.
- Install the Caster Seal Bracket (11V245HI) to the bottom air dam with (1) M5x12mm button head screw. (Position Caster Seal Bracket (11V245HI) as far down as possible before securing into place.)
- Attach Caster Seal Bracket (11V245HI) to the front cabinet support rail with (1) M5x12mm button head screw.
- Attach the Upper Left Air Dam (13V371HJ) to the front cabinet support rail as shown with (4) M5x12mm button head screws.



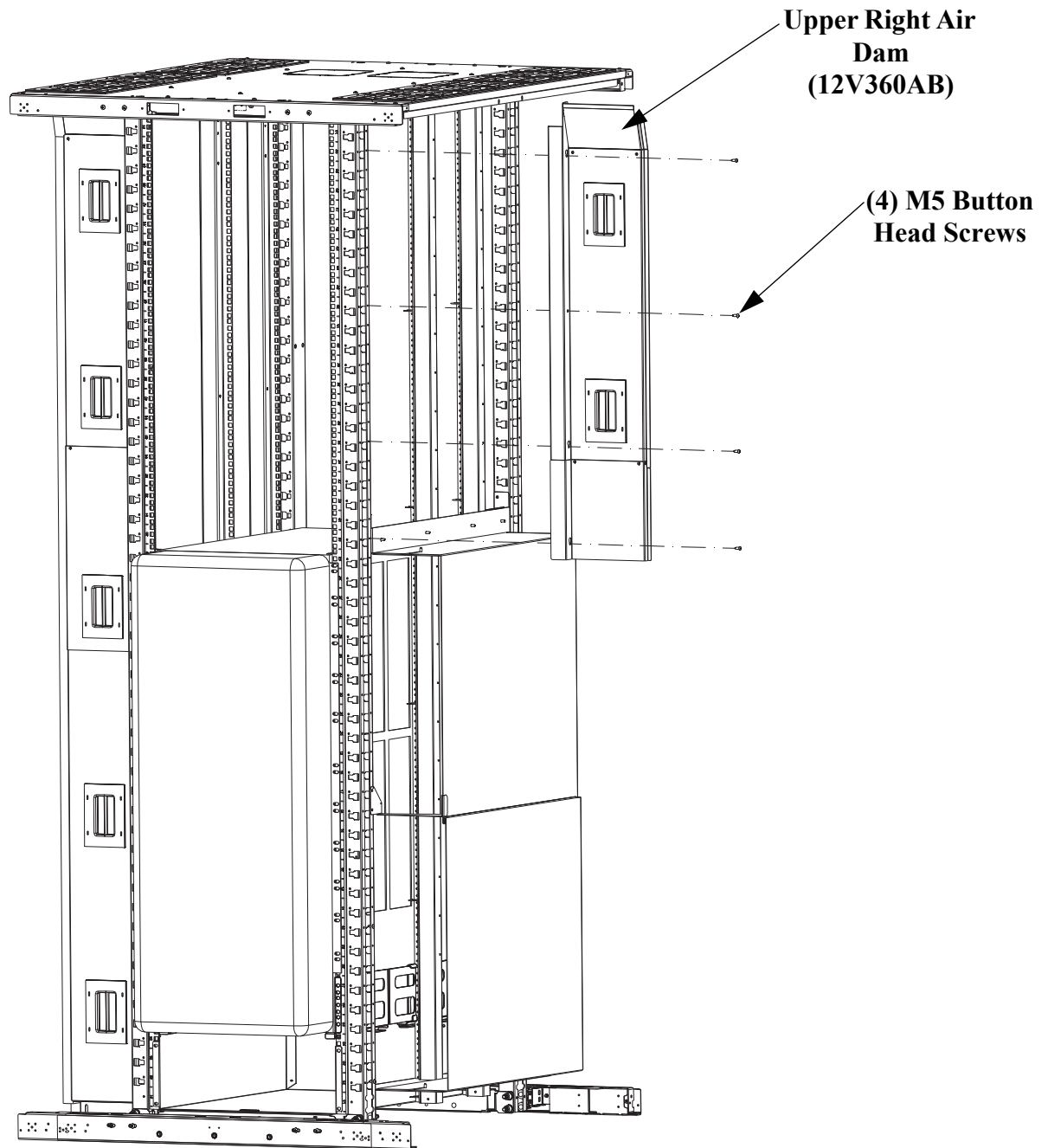
## STEP 15b (For 42, 45 and 48 RU Cabinets Only)

- Install the Lower Left Air Dam (13V371ZB) to the front cabinet support rail with (2) M5 button head screws.
  - Install the Caster Seal Bracket (11V245HI) to the Lower Left Air Dam with (1) M5 button head screw.
  - (Position Caster Seal Bracket (11V245HI) as far down as possible before securing into place.)
  - Attach Caster Seal Bracket (11V245HI) to the front cabinet support rail with (1) M5 button head screw.
  - Attach the Upper Left Air Dam (13V371ZA) to the front cabinet support rail as shown with (4) M5 button head screws. (The top of the Upper Left Air Dam (13V371ZA) should press against the top of the cabinet.
- Ref Fig. 5 for suggested hole positioning.)



## STEP 16a (For 51 RU Cabinets Only)

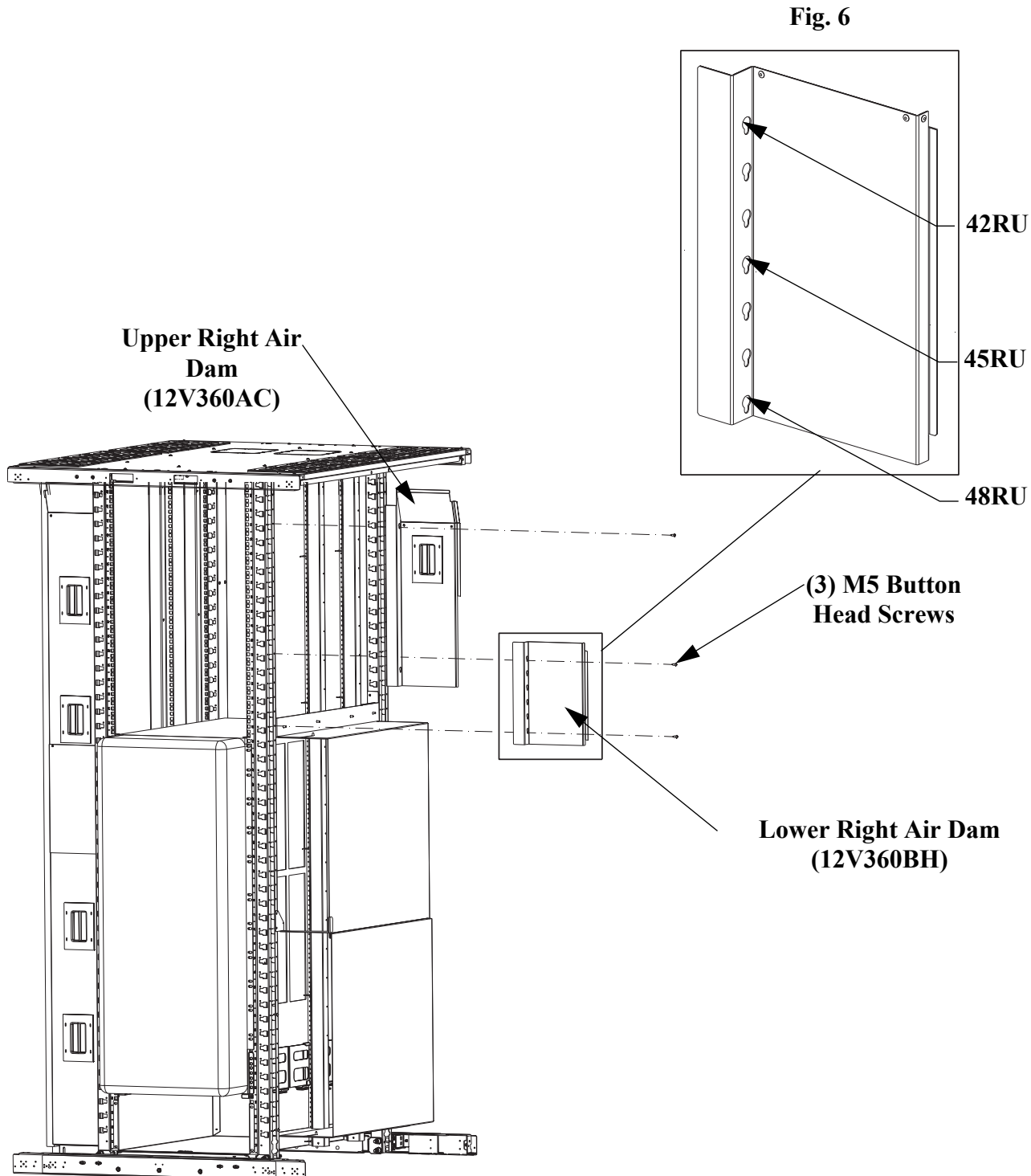
- Install the Upper Right Air Dam (12V360AB) to the cabinet support rail with (4) M5 button head screws.





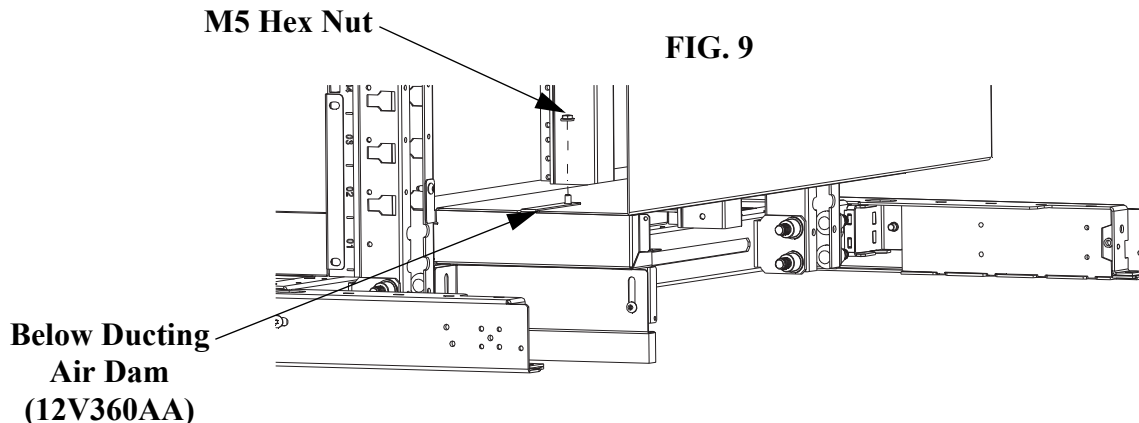
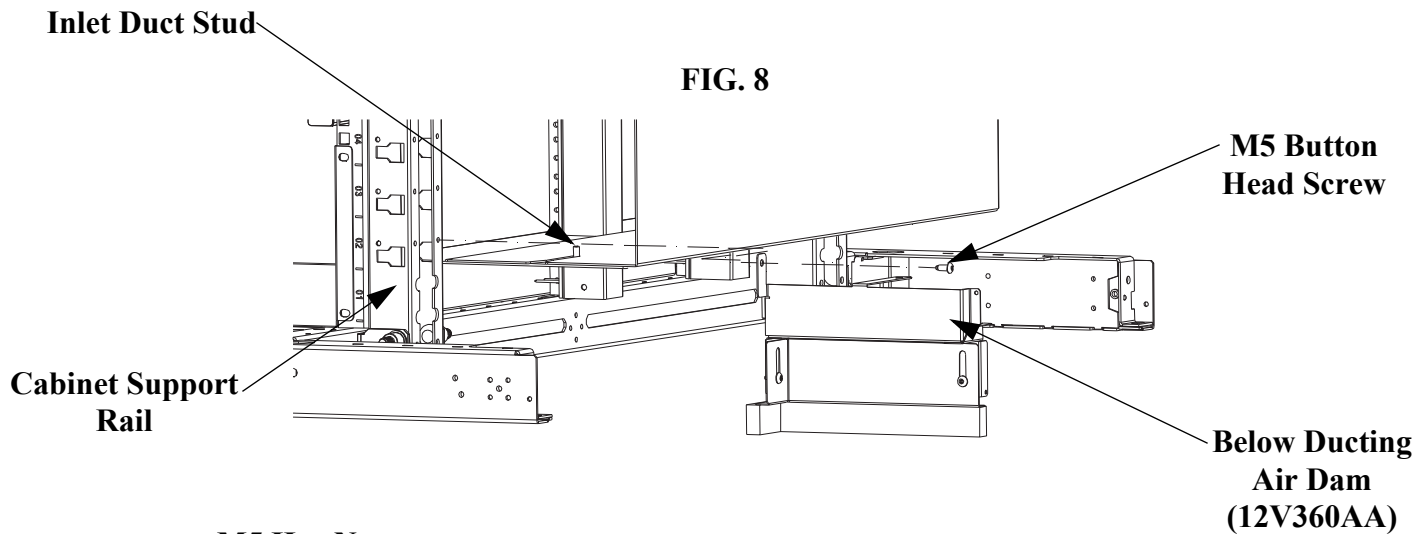
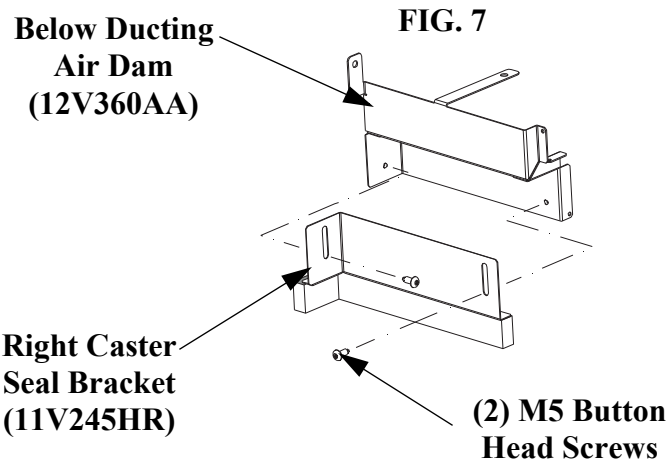
## STEP 16b (For 42,45 and 48 RU Cabinets Only)

- Install the Upper Right Air Dam (12V360AC) to the cabinet support rail with (1) M5 button head screw so that the top of the Upper Right Air Dam (12V360AC) pushes against the top of the cabinet.
- Install the Lower Right Air Dam (12V360BH) to the front cabinet support rail with (2) M5 button head screws. (Ref Fig. 6 for suggested hole positioning.)



## STEP 17

- Attach the Right Caster Seal Bracket (11V245HR) to the Below Ducting Air Dam (12V360AA) with (2) M5 button head screws. (Do not tighten screws.)
- Attach the Below Ducting Air Dam (12V360AA) to the front cabinet support rail with (1) M5 button head screw. The tab on the below ducting blanking panel should pass over the stud in the inlet duct.
- Secure the tab on the Below Ducting Air Dam (12V360AA) to the inlet duct stud with (1) M5 hex nut.



## STEP 18

- Attach the long Adhesive Foam Seal to the outside flange of the Air Dams. Start at the top by closing any gaps between the top cap and the air dam. Trim excess foam seal at bottom of Air Dams.

