

Beyond X™ Transformer Enclosure

1500, 2000, 2500, 5000 and 10000 KVA
Installation Manual



LS ELECTRIC

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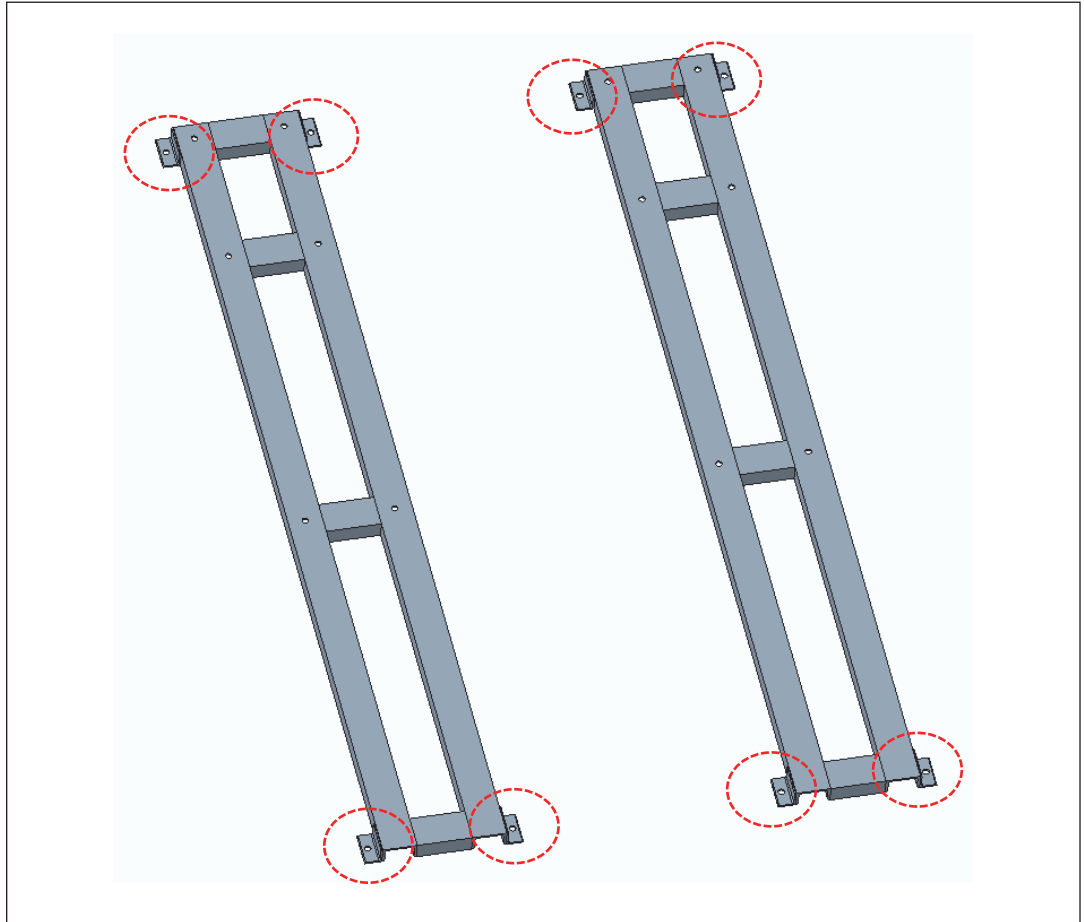
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INSTALLATION OF TRANSFORMER PANEL

1. INSTALLATION OF TRANSFORMER PANEL (1500, 2000 and 2500 KVA)

1.1 Install the base

Install the two- or three-base unit for the transformer using anchor bolts. The base is secured to the floor surface via the 8 or 12 mounting holes. Fix the base to the floor surface firmly using anchor bolts.



CAUTION

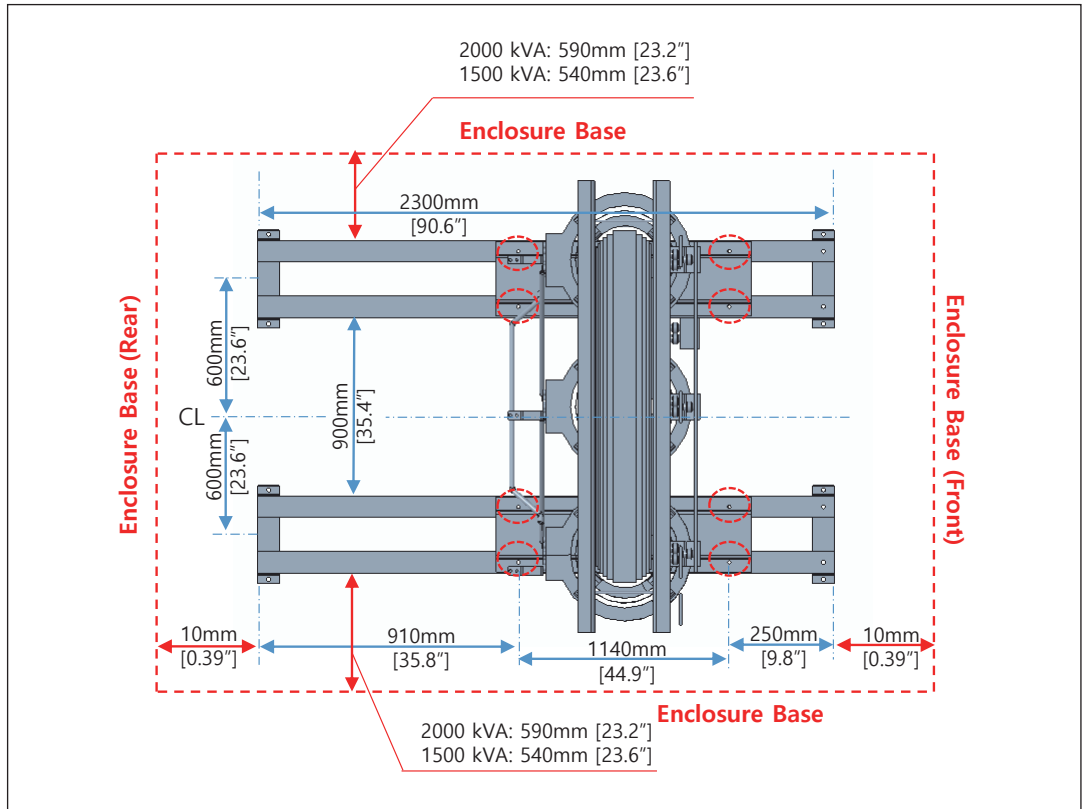
1. Be careful not to let the gloves get caught in the electric drill when using the tool.
2. Clean the debris thoroughly after using the electric drill.

1. INSTALLATION OF TRANSFORMER PANEL (1500 and 2000 KVA)

1.2 Secure anti-vibration pad

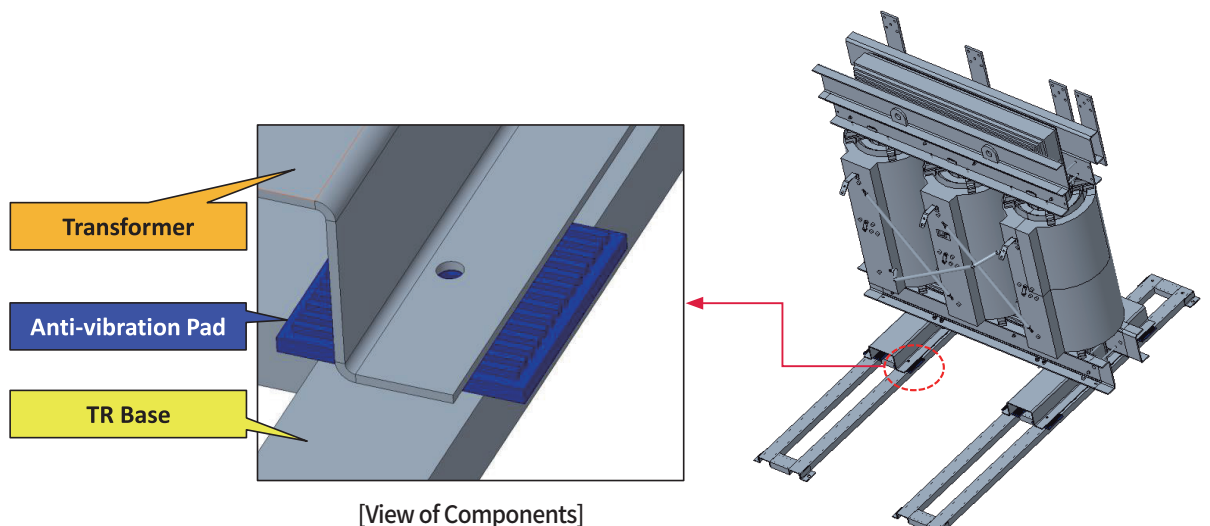
1.2.1 TR 1500 and 2000 KVA

Install the anti-vibration pad under TR and secure it to the base using bolts.
(Bolt size: 5/8 in. × 1-3/4 in. or M16 × 45 mm)



[Top View]

Includes distance between enclosure base and TR base



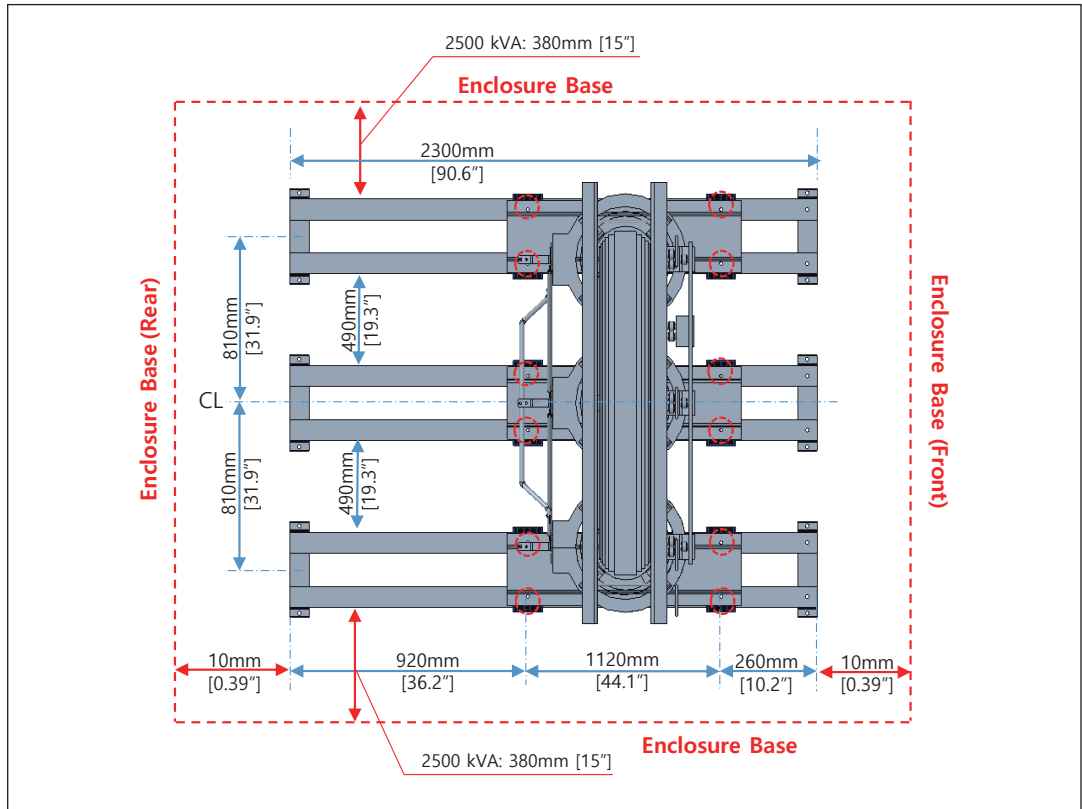
INSTALLATION OF TRANSFORMER PANEL

1. INSTALLATION OF TRANSFORMER PANEL (2500 KVA)

1.2 Secure anti-vibration pad

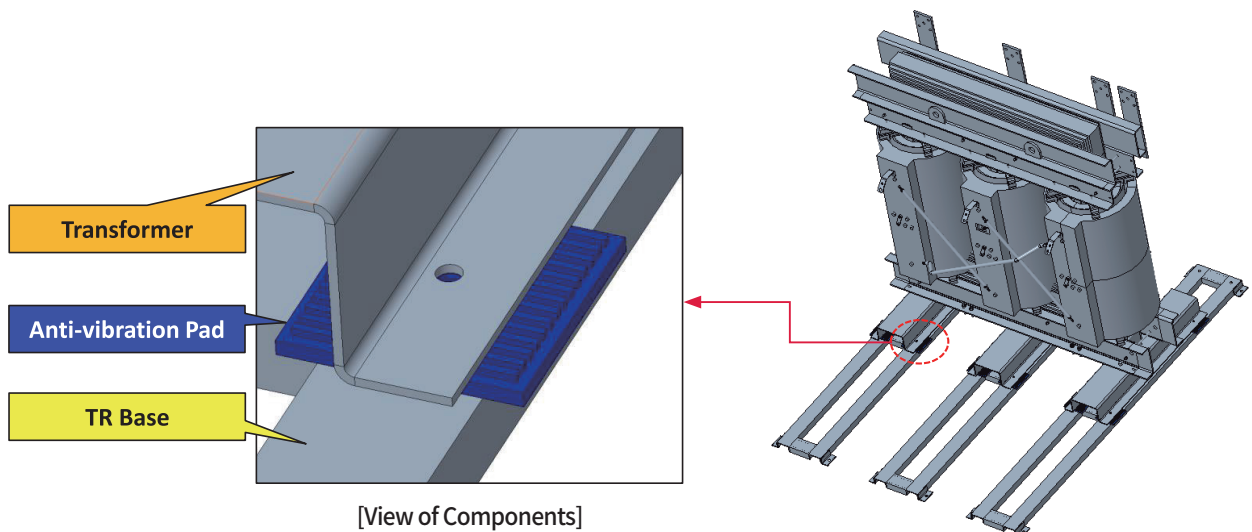
1.2.2 TR 2500 KVA

Install the anti-vibration pad under TR and secure it to the base using bolts.
 (Bolt size: 5/8 in. × 1-3/4 in. or M16 × 45 mm)



[Top View]

Includes distance between enclosure base and TR base

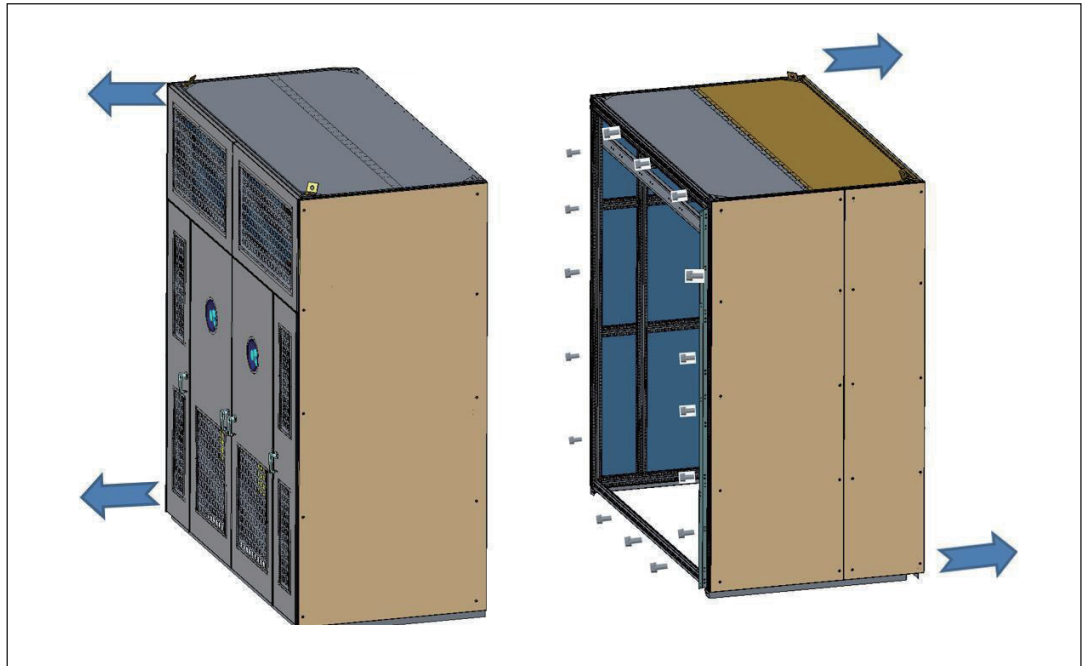


[View of Components]

1. INSTALLATION OF TRANSFORMER PANEL (1500, 2000 and 2500 KVA)

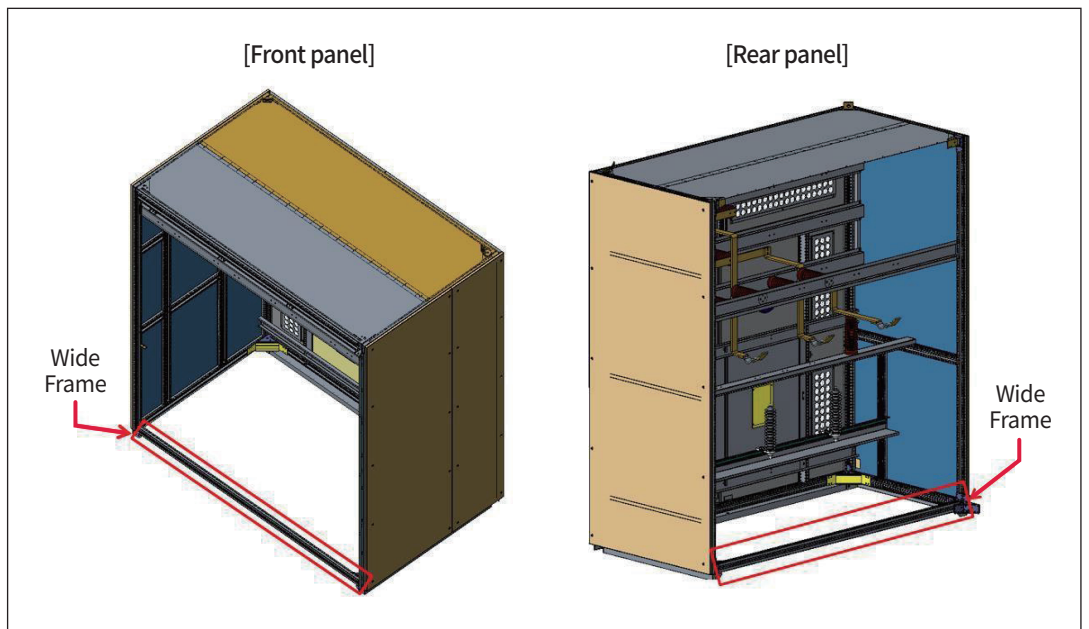
1.3 Separate transformer panel parts

Loosen the connection bolts (5/16 in.×1 in. or M8×25 mm) and separate the transformer panel in two pieces from the front and rear.



1.4 Remove the wide frame

Remove the bottom wide frame which was installed to prevent deformation during transportation.

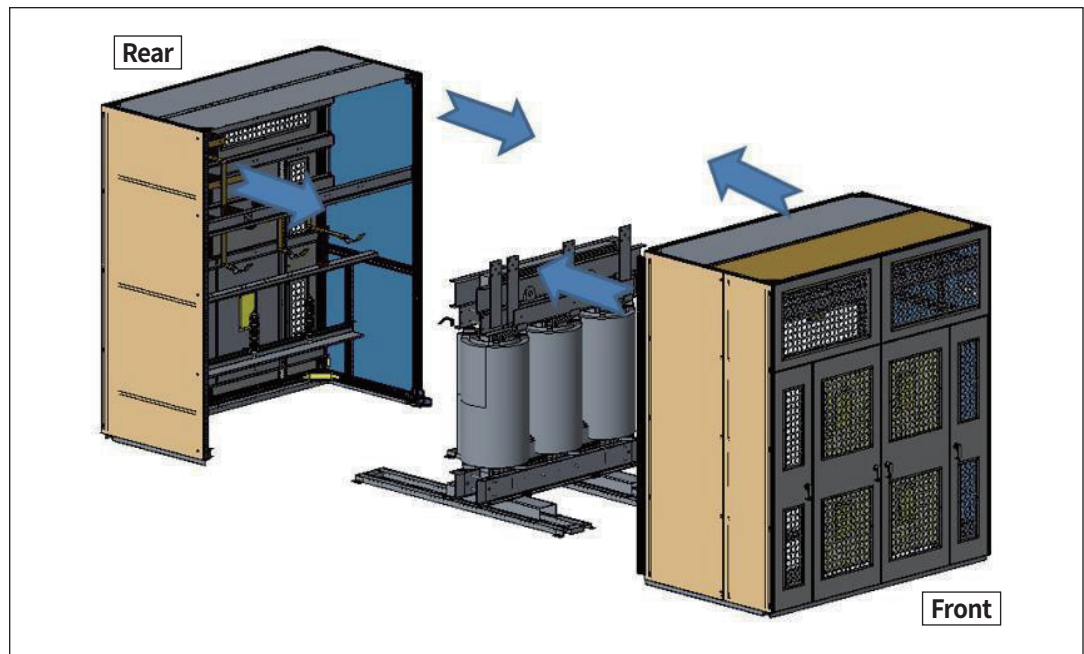


INSTALLATION OF TRANSFORMER PANEL

1. INSTALLATION OF TRANSFORMER PANEL (1500, 2000 and 2500 KVA)

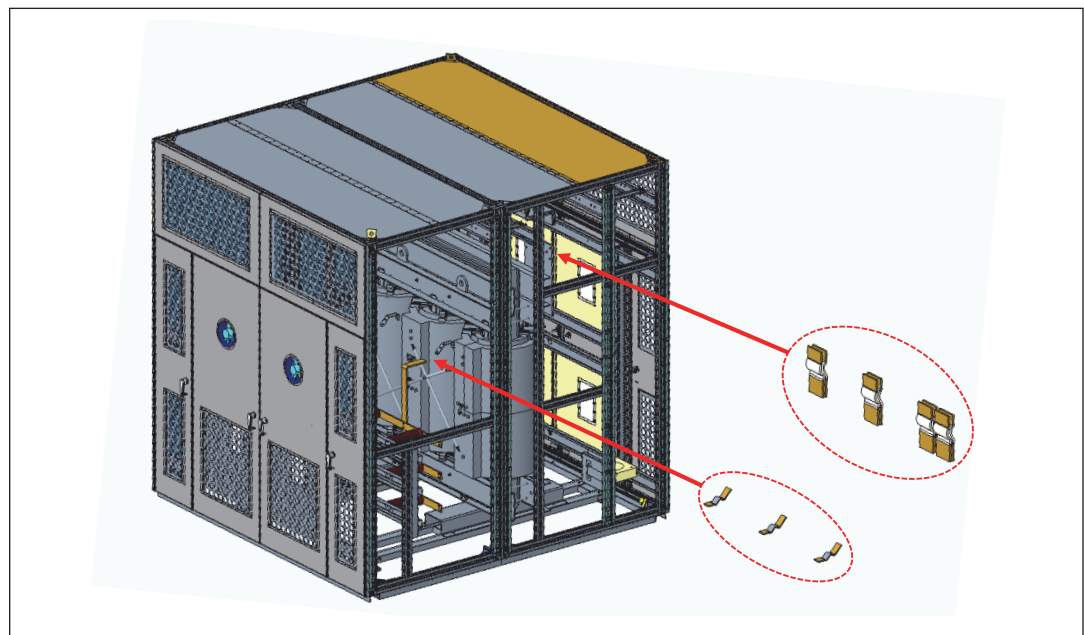
1.5 Combine transformer panel parts

Combine the front and rear panels to enclose the transformer using the connection bolts that were loosened in step 1.3.



1.6 Connect flexible busbar

Connect the flexible busbar to the transformer terminal. The flexible busbar is installed in the panel. (Primary bolt: 5/8 in. × 2 in. or M16 × 50 mm / Secondary bolt: 15/32 in. × 2-3/4 in. or M12 × 70 mm)

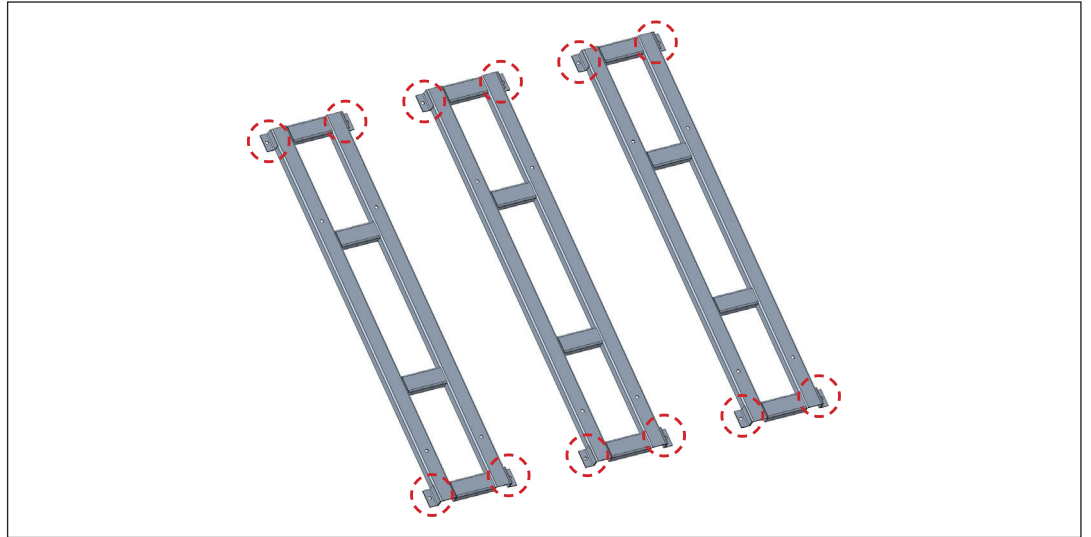


2. INSTALLATION OF TRANSFORMER PANEL (5000 and 10000 KVA)

2.1 Install the base

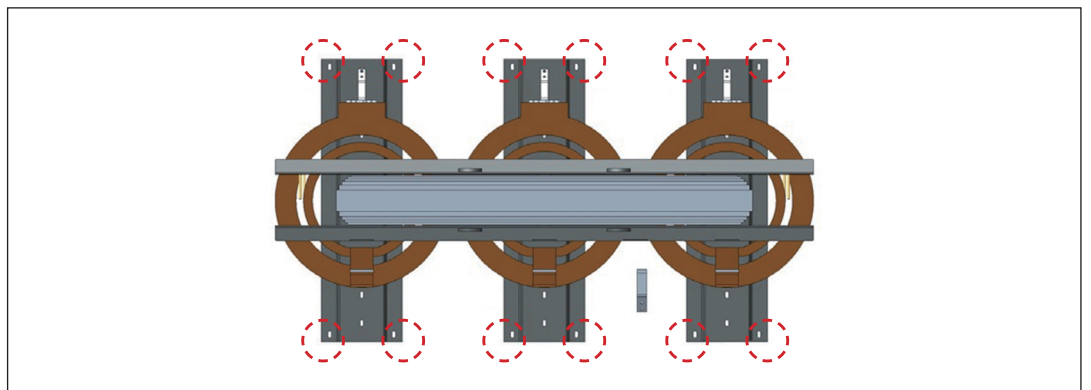
2.1.1 TR 5000 KVA

Install the three-base unit for the transformer using anchor bolts. The base is secured to the floor surface via 12 mounting holes. Fix the base to the floor surface firmly by using anchor bolts.



2.1.2 TR 10000 KVA

Since the transformer is heavy, only anti-vibration pads are installed under the transformer without a separate base frame and fixed with 12 anchor bolts.



CAUTION

1. Be careful not to let the gloves get caught in the electric drill when using the tool.
2. Clean the debris thoroughly after using the electric drill.

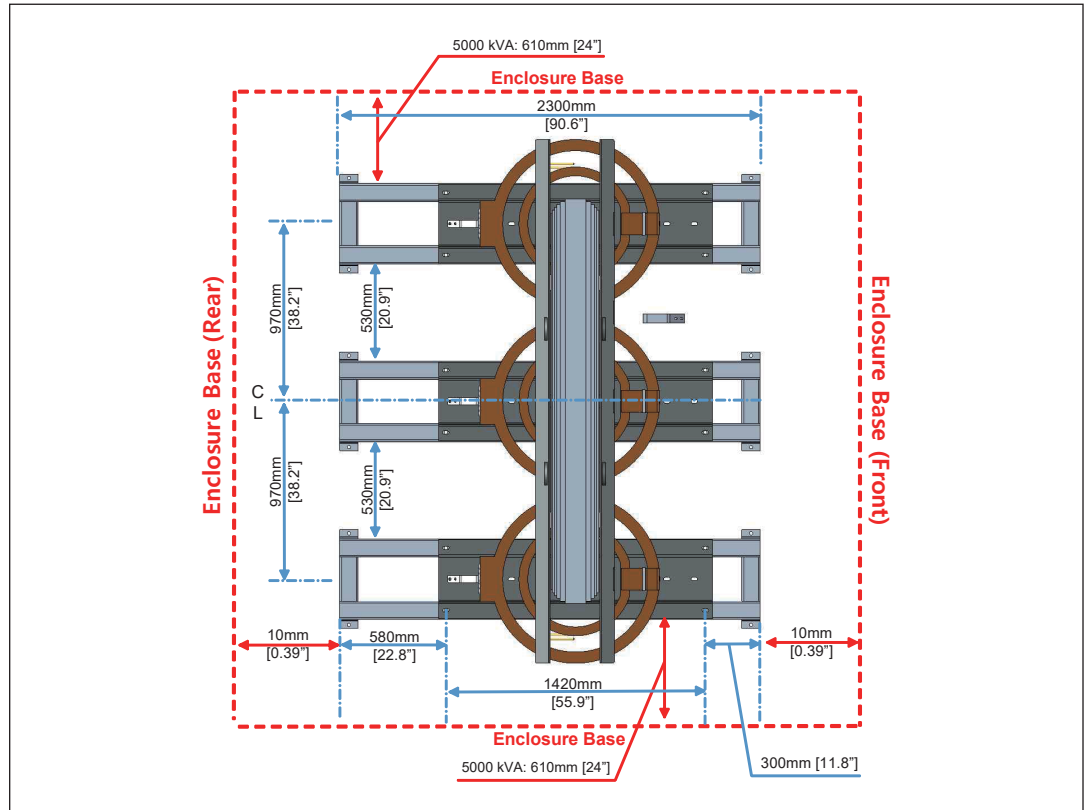
INSTALLATION OF TRANSFORMER PANEL

2. INSTALLATION OF TRANSFORMER PANEL (5000 KVA)

2.2 Secure anti-vibration pad

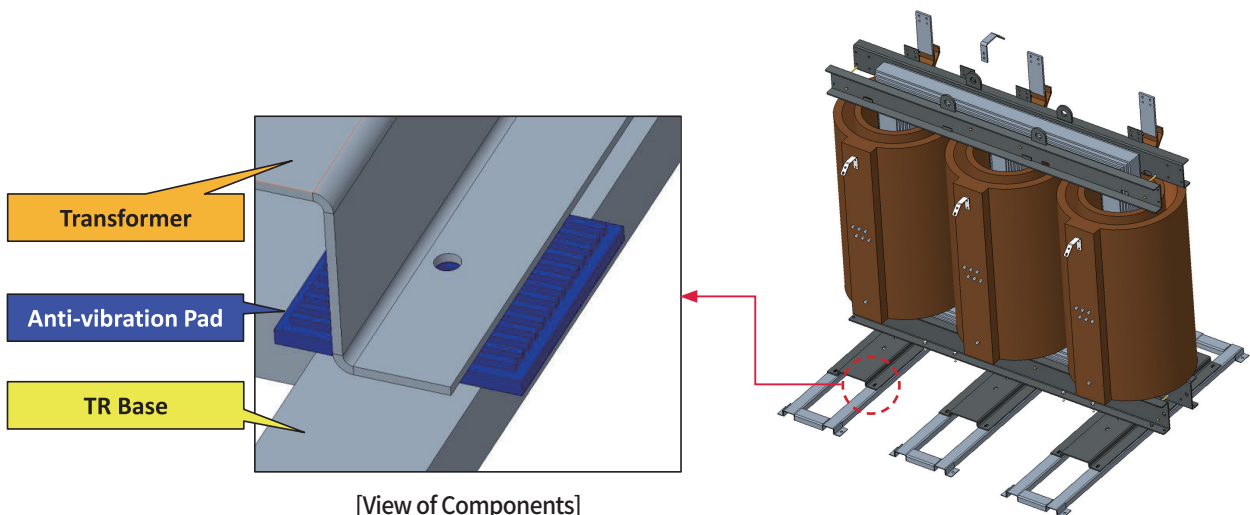
2.2.1 TR 5000 KVA

Install the anti-vibration pad under TR and secure it to the base using bolts.
(Bolt size: 5/8 in. × 1-3/4 in. or M16 × 45 mm)



[Top View]

Includes distance between enclosure base and TR base



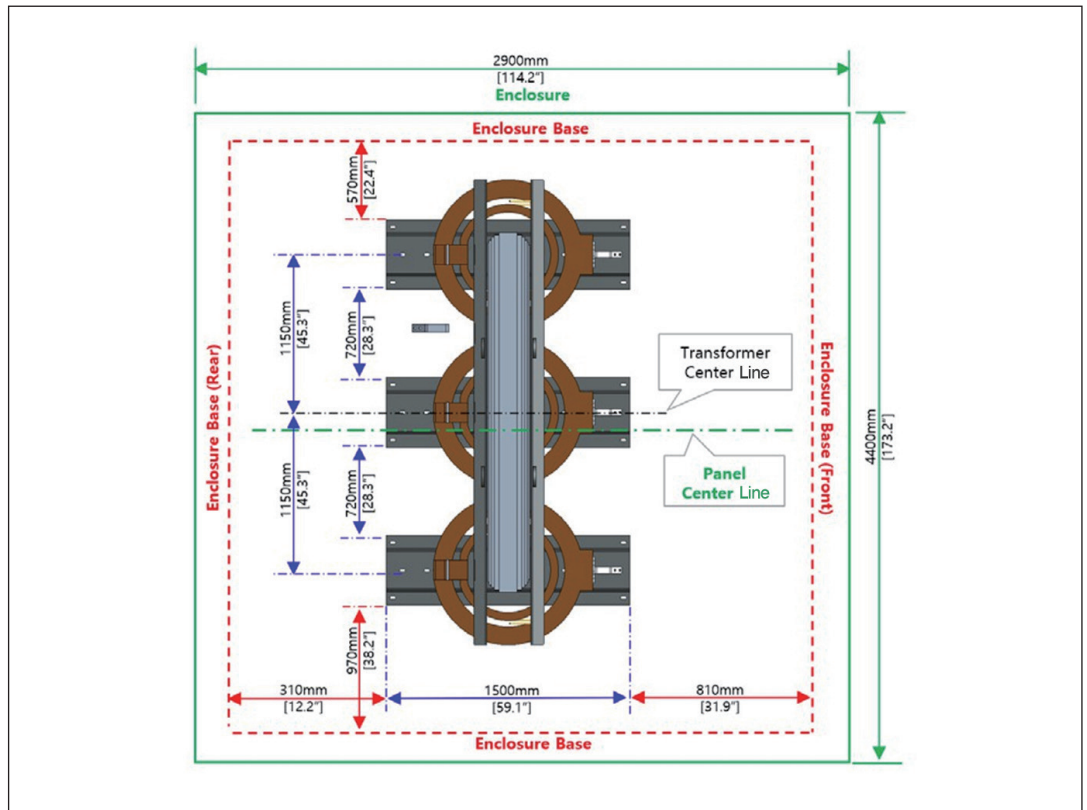
[View of Components]

2. INSTALLATION OF TRANSFORMER PANEL (10000 KVA)

2.2 Secure anti-vibration pad

2.2.2 TR 10000 KVA

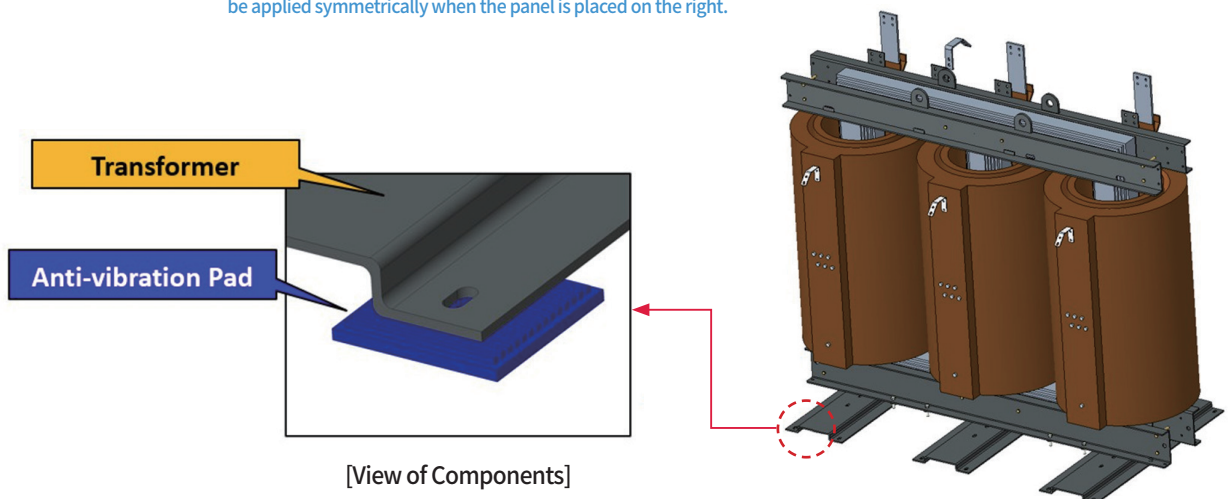
Install the anti-vibration pad under the transformer.



[Top View]

Includes distance between enclosure base and TR base

* NOTE: These dimensions are based on the panel placed on the left and should be applied symmetrically when the panel is placed on the right.



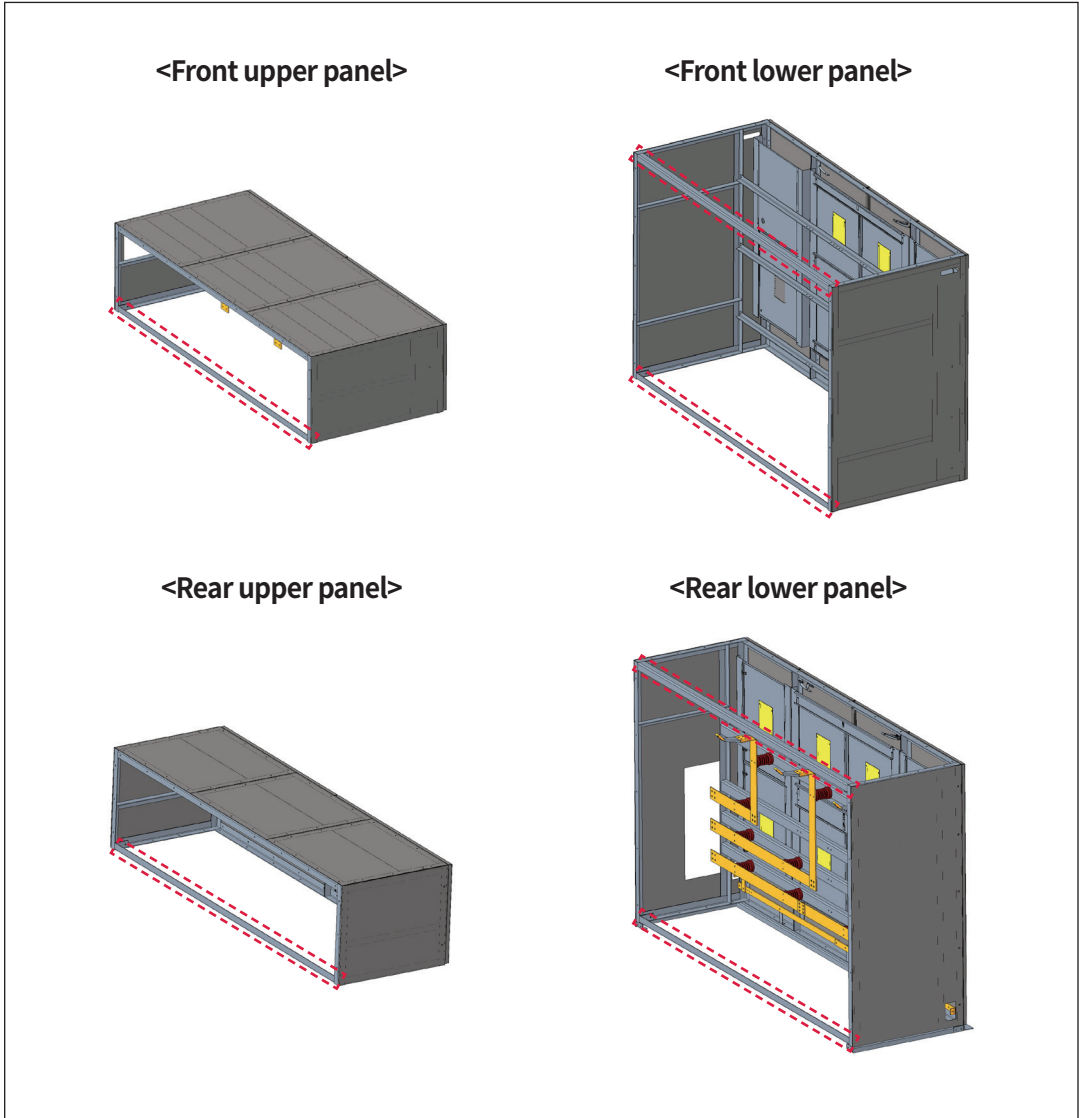
[View of Components]

INSTALLATION OF TRANSFORMER PANEL

2. INSTALLATION OF TRANSFORMER PANEL (5000 and 10000 KVA)

2.3 Remove the wide frame

Remove all wide frame parts that were installed to prevent deformation during transportation.

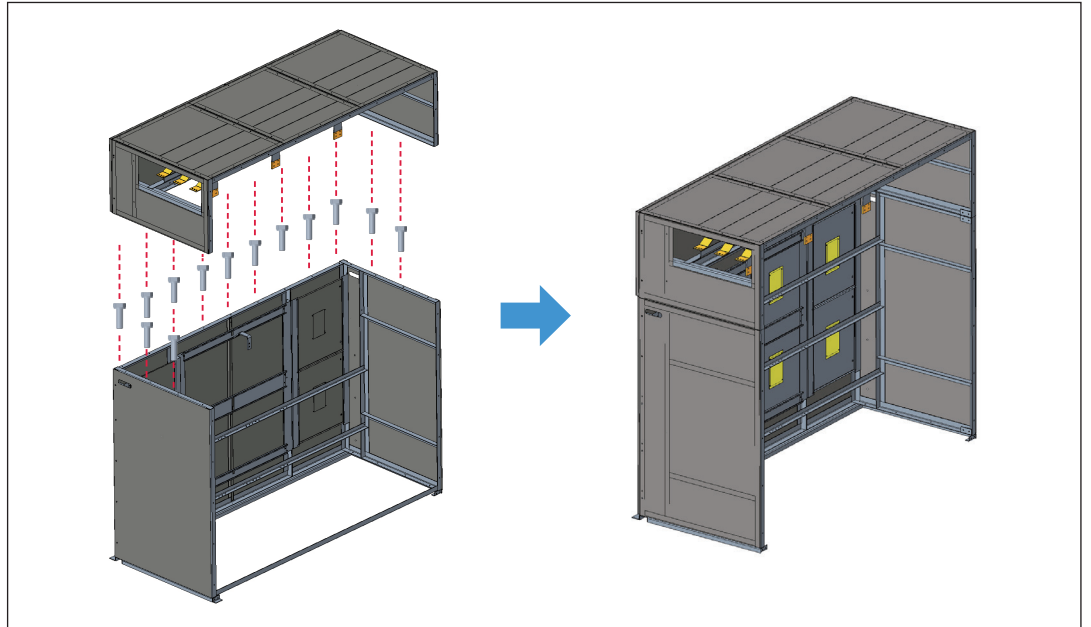


2. INSTALLATION OF TRANSFORMER PANEL (5000 and 10000 KVA)

2.4 Combine transformer panel parts

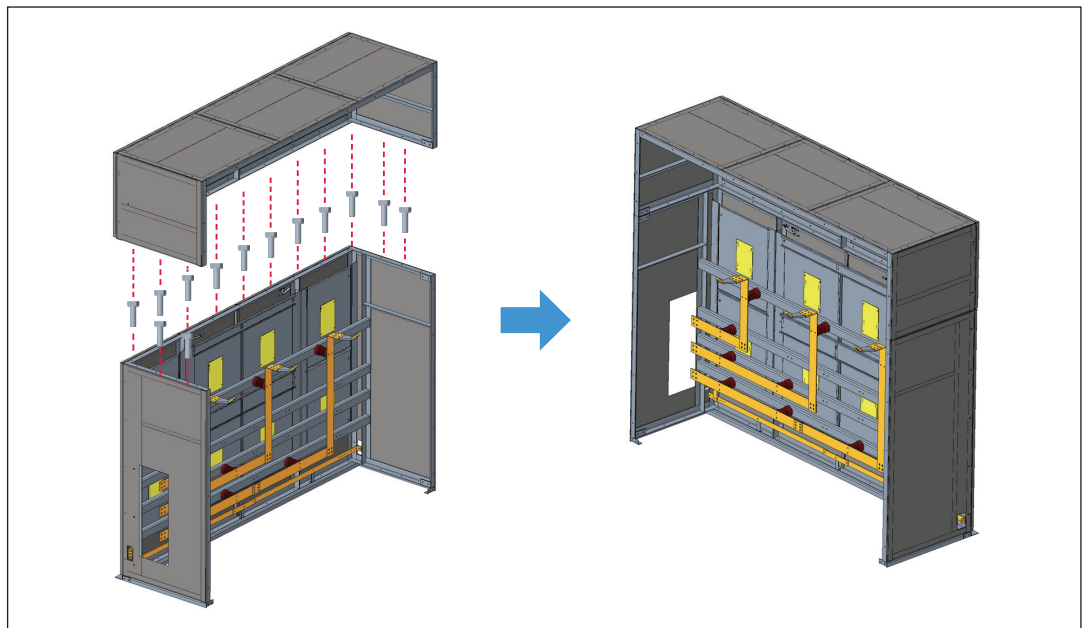
2.4.1 Combine the upper and lower parts of the front panel

Combine the upper and lower parts of the front panel and secure them with 13 connection bolts.
(Bolt size: 7/16 in. × 1-3/8 in. or M10 × 35 mm)



2.4.2 Combine the upper and lower parts of the rear panel

Combine the upper and lower parts of the rear panel and secure them with 13 connection bolts.
(Bolt size: 7/16 in. × 1-3/8 in. or M10 × 35 mm)



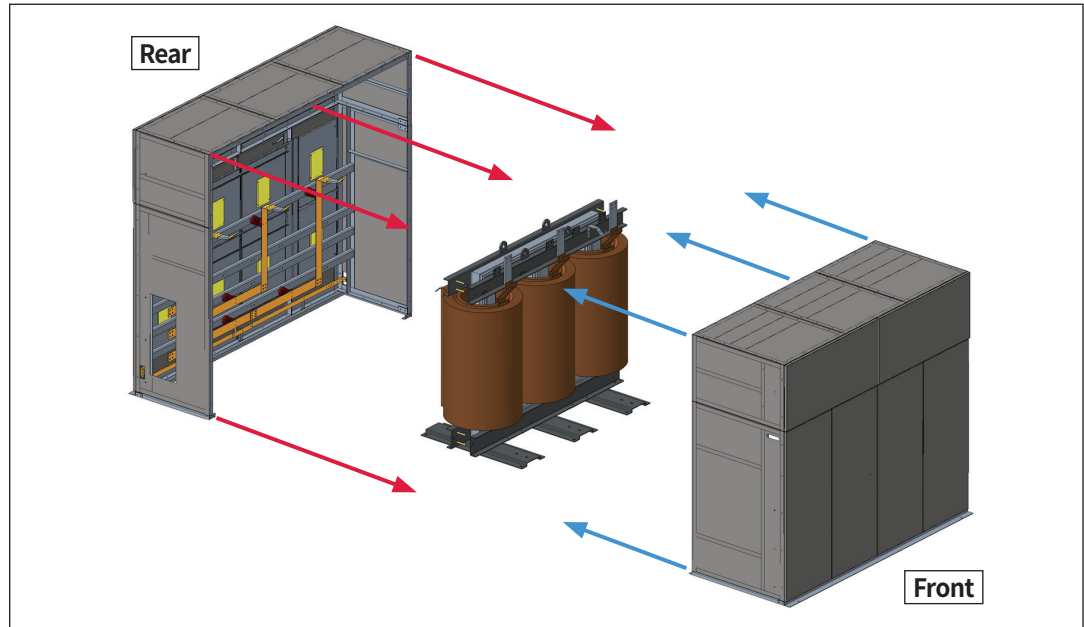
INSTALLATION OF TRANSFORMER PANEL

2. INSTALLATION OF TRANSFORMER PANEL (5000 and 10000 KVA)

2.4 Combine transformer panel parts

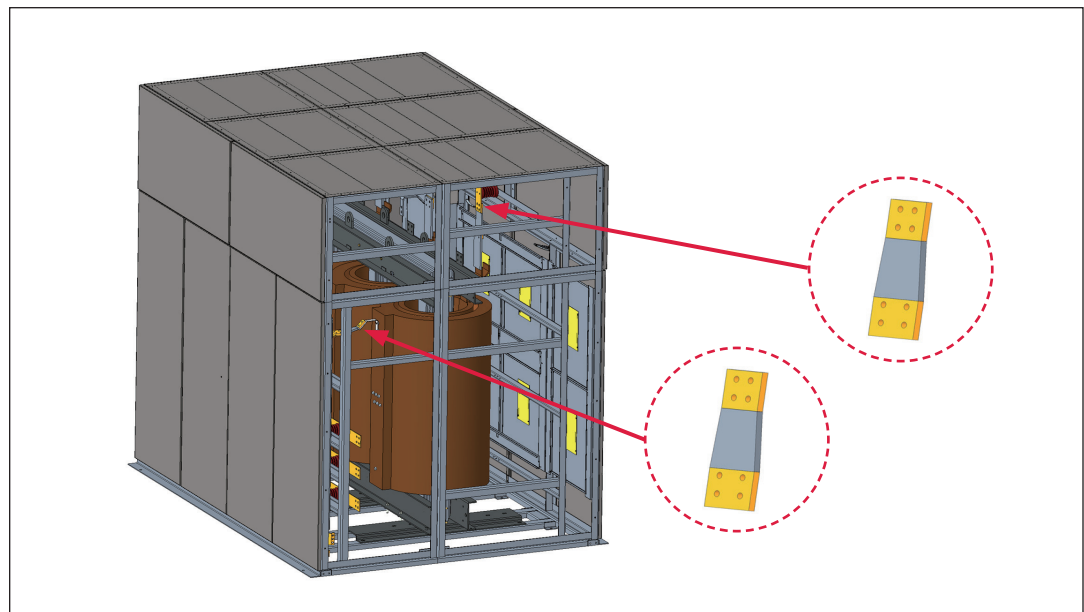
2.4.3 Combine the front and rear panels

Combine the front and rear panels to enclose the transformer using connection bolts.
(Bolt size: 7/16 in. × 1-3/8 in. or M10 × 35 mm)



2.5 Connect flexible busbar

Connect the flexible busbar to the transformer terminal. The flexible busbar is installed in the panel.
(Primary bolt: 5/8 in. × 1-3/4 in. or M16 × 45 mm / Secondary bolt: 5/8 in. × 2 in. or M16 × 50 mm)





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