

THE PURPOSE OF THIS SPECIFICATION IS TO SHOW THE PROPER LOCATION OF PADMOUNT TRANSFORMERS NEAR BUILDINGS THAT ARE CONSTRUCTED WITH COMBUSTIBLE AND NON-COMBUSTIBLE WALLS. THE DEFINITIONS OF THE TWO TYPES OF CONSTRUCTION ARE AS FOLLOWS:

COMBUSTIBLE WALL: ANY WALL NOT MEETING THE NON-COMBUSTIBLE WALL STANDARD AS STATED BELOW.

NON-COMBUSTIBLE WALL: CONSTRUCTED OF STEEL OR FIRE RETARDANT WOOD FRAME COVERED BY 5/8" SHEET ROCK ON THE INTERIOR WITH A BRICK, STONE OR METAL SIDING EXTERIOR. OR WITH 5/8" SHEET ROCK COVERED BY STUCCO FACING. THIS IS CLASSED AS TYPE 1 OR 2 BUILDING ACCORDING TO THE MINNESOTA STATE BUILDING CODE.

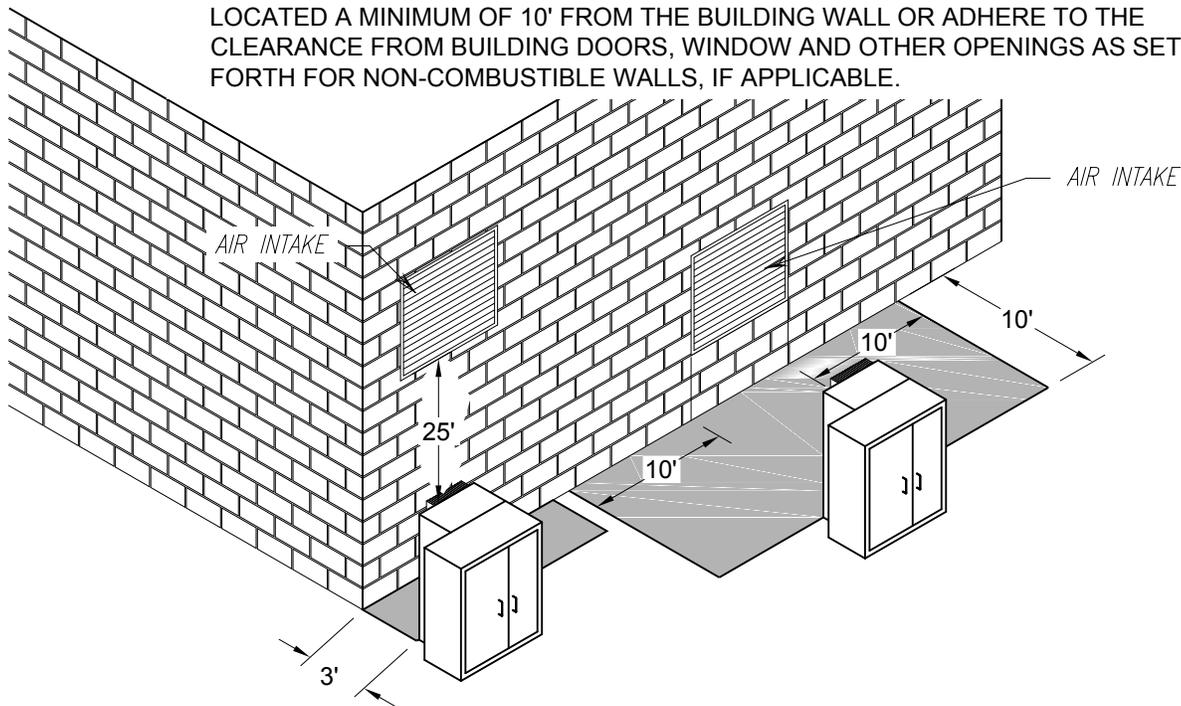
THE FOLLOWING ILLUSTRATES WHERE PADMOUNT OIL-INSULATED TRANSFORMERS MAY BE LOCATED NEXT TO COMBUSTIBLE AND NON-COMBUSTIBLE WALLS.

NON-COMBUSTIBLE WALLS:

- PADMOUNT OIL-INSULATED TRANSFORMERS SHALL NOT BE LOCATED WITHIN A ZONE THAT EXTENDS 10' OUTWARD AND 10' ON EITHER SIDE OF AN AIR INTAKE OPENING. SUCH TRANSFORMERS MAY BE LOCATED WITHIN SAID ZONE BENEATH AN AIR INTAKE OPENING PROVIDED THERE IS NOT LESS THAN 25' DIAGONAL SEPARATION BETWEEN THE TRANSFORMER AND SAID OPENING. IN ALL CASES THERE SHOULD BE A MINIMUM OF 3' OF CLEARANCE FROM BUILDING WALL TO TRANSFORMER CASE OR COOLING FINS FOR MAINTENANCE PURPOSES.
- LOCAL REQUIREMENTS MAY VARY CHECK WITH LOCAL BUILDING OFFICIAL

COMBUSTIBLE WALLS:

- PADMOUNT OIL-INSULATED TRANSFORMERS IN SIZES UP TO AND INCLUDING 100 KVA SHALL BE LOCATED ACCORDING TO THE PROVISIONS AS SET FORTH IN THE SUBSECTION FOR NON-COMBUSTIBLE WALLS.
- PADMOUNT OIL-INSULATED TRANSFORMERS IN SIZES ABOVE 100kVA SHALL BE LOCATED A MINIMUM OF 10' FROM THE BUILDING WALL OR ADHERE TO THE CLEARANCE FROM BUILDING DOORS, WINDOW AND OTHER OPENINGS AS SET FORTH FOR NON-COMBUSTIBLE WALLS, IF APPLICABLE.



SPECIFICATIONS
DULUTH, MINNESOTA

**CLEARANCE REQUIREMENTS FOR
PADMOUNT TRANSFORMER
OUTDOOR LOCATION - NEAR BUILDING AIR INTAKE**