

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.

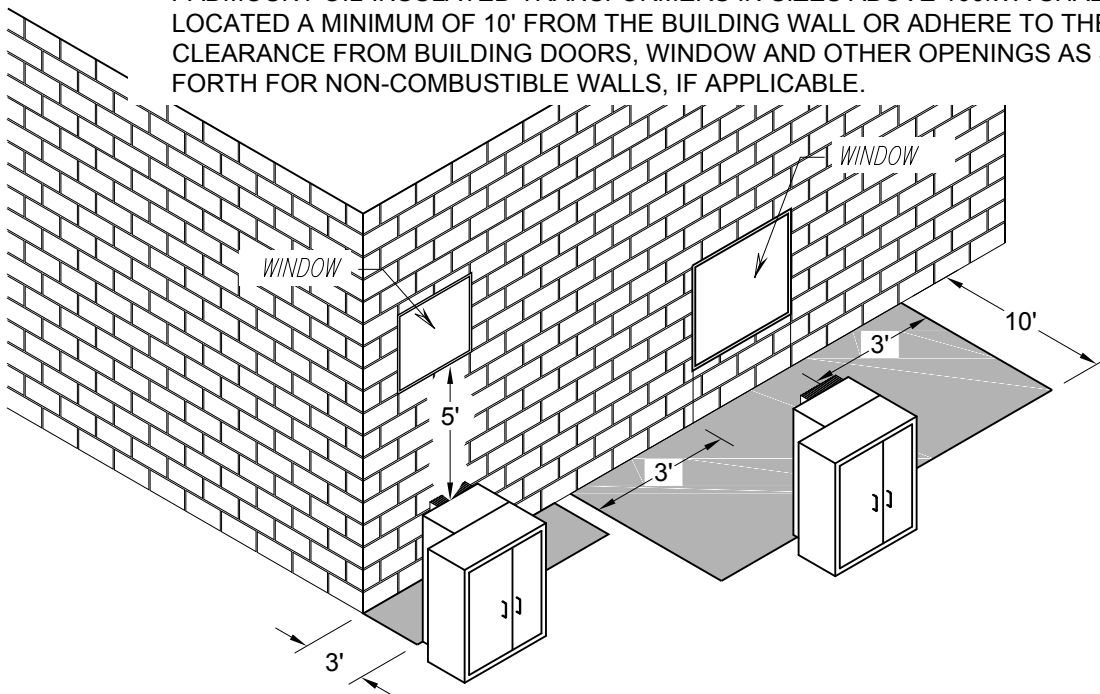
THE FOLLOWING ILLUSTRATES WHERE PADMOUNT OIL-INSULATED TRANSFORMERS MAY BE LOCATED NEXT TO COMBUSTIBLE AND NON-COMBUSTIBLE WALLS.

NON-COMBUSTIBLE WALLS:

- PADMOUNT OIL-INSULATED TRANSFORMERS SHALL NOT BE LOCATED WITHIN A ZONE EXTENDING 10' OUTWARD AND 3' ON EITHER SIDE OF THE BUILDING WINDOW OR OPENING OTHER THAN AN AIR INTAKE. SUCH TRANSFORMERS MAY BE LOCATED WITHIN SAID ZONE BENEATH A WINDOW PROVIDED THERE IS NOT LESS THAN 5' 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 WINDOW / OPENING**