## Pad Mount Locations

### Minimum Clearances

#### Walls
- **Fire Resistant Wall**: 9" brick wall, 12" hollow tile, 4" reinforced conc., 8" conc. block
- **Non-Combustible Wall**: 
  - Corrugated iron steel
  - Asbestos cement board
  - Plaster on metal lath
- **Combustible Wall**: 
  - 10' 75 kVA or less
  - 20' 76 to 300 kVA
  - 30' over 300 kVA

#### Windows
- Second story window (w/wired glass)

### Notes:
- See definitive design drawing Q2.06 Sheet 3 of 3 for screening detail.
- Maintain 20 ft. clearance from fire escapes.
- Maintain 10" clearance in front of pad (free from bushes, permanent fences, etc.) for trouble operation. Pad shall not be located in an area susceptible to flooding or sloped towards building.
- Design must be approved by PEPCO before construction and cannot be covered.

### Description

<table>
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<tr>
<th>Description</th>
<th>Standard Drawings</th>
<th>Overall Size</th>
<th>Max. # Ducts</th>
<th>Transformer Sizes</th>
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<td>30 75-500 KVA</td>
<td>4-1-983 &amp; 6-1-983</td>
<td>7'6&quot; &amp; 6'0&quot;</td>
<td>Space</td>
<td>75, 150, 300, 500</td>
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<td>30 500-1500 KVA</td>
<td>4-1-983 &amp; 6-1-983</td>
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<td>500, 750, 1000, 1500</td>
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<td>30 1500-2500 KVA</td>
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<td>7'6&quot; &amp; 9'0&quot;</td>
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<td>1500, 2000, 2500</td>
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### References
- D.W. STD'S, SECTION 19 FOR FUSING, B/M, DIMENSIONS

### Items Covered
- Pad Mount Transformer
- Maximum Dimensions
- Guide for locating transformer and protecting screen information

### Design Information

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1. Transformers shall be protected on all sides exposed to vehicular traffic.

2. Protection may consist of the following:
   A. Bumper pipes - 10 foot, concrete filled, 5 inch or larger (I.D.) galvanized iron pipe with minimum of \( \frac{1}{2} \) inch walls installed 5 feet in the ground. See Detail A for placement.
   B. Masonry wall - minimum of 8 inches thick and 4 feet high with area in front open for access. See Detail B for minimum clearances.

3. \( \text{WIDTH OPENING IN FRONT OF PAD WITH TOTAL OF 10 FEET OF UNOBSTRUCTED AREA TO FRONT OF PAD} \)

**Detail A**

**Detail B**

**NOTES:**
A. Minimum clearance from rear of pad.
B. Minimum clearance from side of pad.
C. Minimum clearance from front of pad.
D. Minimum clearance from rear of pad
E. 4' maximum clearance.
F. Right side protection same as left.
G. 10 feet of unobstructed area in front of pad, except for bumper pipe, shall be maintained.

**REFERENCES**
PHI POWER DISTRIBUTION STANDARD
DRAWING NUMBER 2-2-0983 DATED 2007-MOUNTED PADS FOR 3 PHASE PAI'D MOUNTED TRANSFORMERS.

**ITEMS COVERED**
Physical protection for 3 phase pad mounted transformer

**NOTES**

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**PHI POWER DISTRIBUTION STANDARD**

**PHI POWER DISTRIBUTION STANDARD DRAWING NUMBER 2-2-0983 DATED 2007-MOUNTED PADS FOR 3 PHASE PADMOUNT TRANSFORMERS.**

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