DISTRIBUTION STANDARD
PNM

DETAIL "A"

3 - 1 1/2" CIC Conduits
PVC, 45° radius
90° sweep with 5'
extension

Trough Area

6" Schedule 40

8'

1' 2"

4' 8"

1' 10"

See Note 12

Ground Rod

Trough Area

See Note 11

3' 6" \(\text{MIN}\)

4"

Primary Conduit

Secondary Conduit

Rebar

Section A-A

1" Chamfer

2"

1"

NOTES

(1) No concrete in trough area.
(2) Bring conduit up flush with pad.
(3) Guard Posts are required in traffic areas.
(4) Concrete pad shall be 3000 psi concrete, level within \(\pm 1/4"\) in 5' straight edge.
(5) Existing grade and back fill under concrete pad shall be compacted to 95% in accordance with
ASTM D1557.
(6) If the primary cable is direct buried contact engineer for secondary duct orientation prior to
installation.
(7) All stub outs must extend a minimum of 5" from edge of pad.
(8) For PNM direct buried primary system, customer shall install PVC elbows and PVC stub outs.
(9) For PNM primary duct system other than CIC, customer shall install rigid elbows and threaded
rigid stub outs or concrete encased rigid elbows with concrete encased rigid PVC stub outs.
Schedule 40 PVC may be used without concrete encasement provided customer installs a
10' length minimum rigid galvanized IMC duct at each vertical 45° or 90° elbow. Red warning
tape shall be placed 12" above any PVC that is not concrete encased.
(10) Customer shall include a polyethylene pull string with a minimum breaking strength of 210 lbs
in completed ducts for future use by PNM.
(11) Pad to be 1" thick if poured in place otherwise use 0100005826 for pre-engineered pad.
(12) Minimum of 1'10" x 14 to be maintained for secondary duct area to allow up to 8-4" secondary
duct.

REFERENCES

(1) See DS-7-16.6 Page 1 and 2 Transformer and Switchgear Pad Foundation
Preparation and Inspection
(2) See DS-7-16.10 Guard Post
(3) See DS-7-16.12 Minimum Working Space and Fire Safety Requirements for
Transformers.

750-1500 kVA Three-Phase Loop Fed Transformer Pad

Not to Scale

DS-7-16.7.1
06/01/18 E