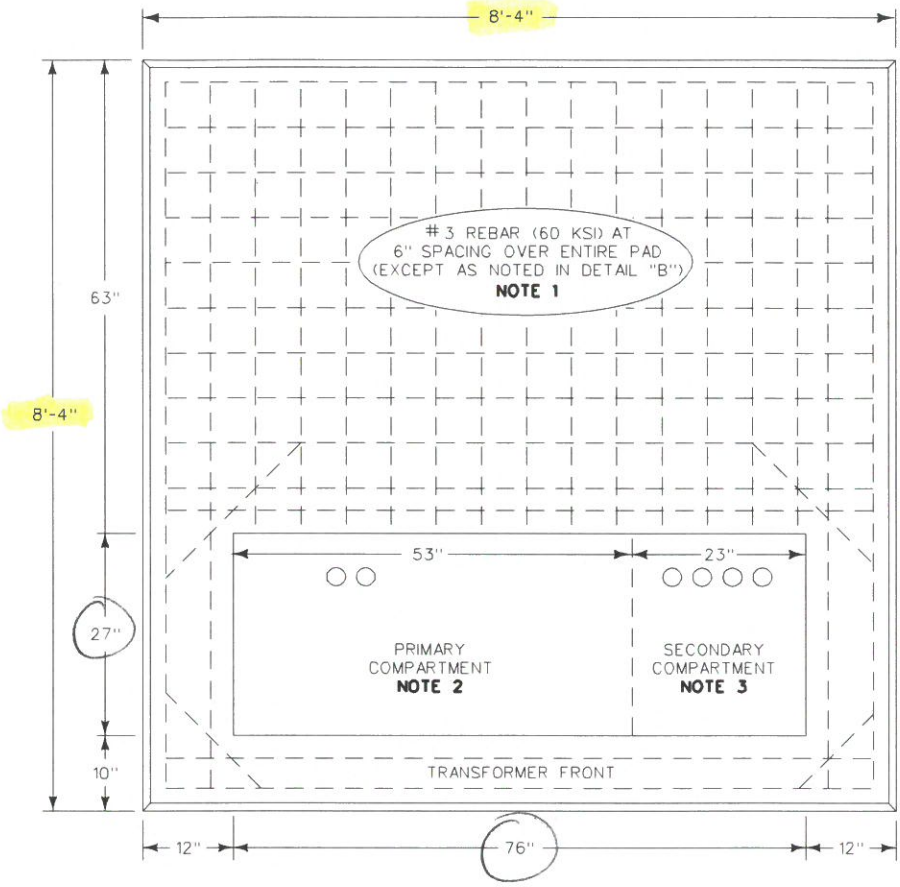
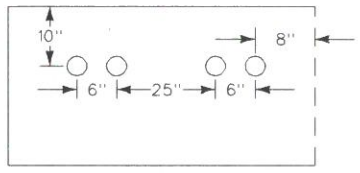
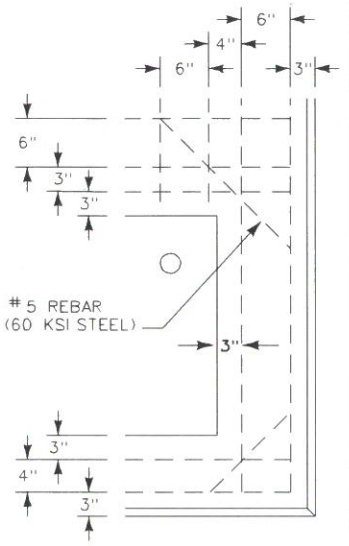
AMERICAN ELECTRIC POWER COMPANY
DISTRIBUTION STANDARDS

8'4"X8'-4"X8"

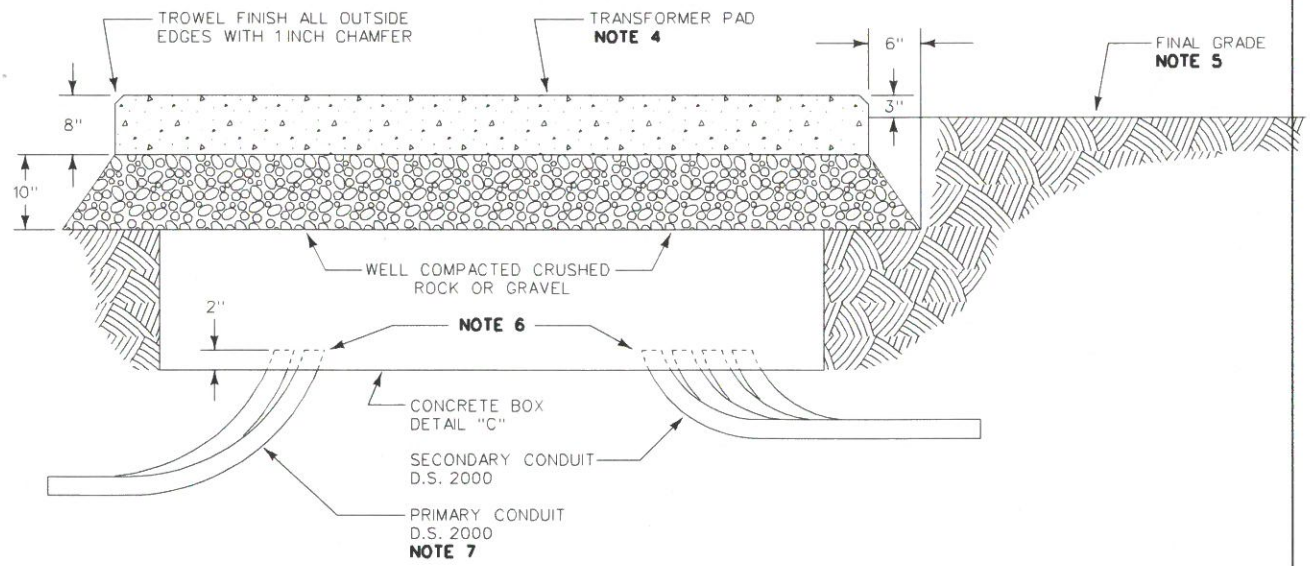




DETAIL "A"
PRIMARY COMPARTMENT



DETAIL "B"



CONCRETE PAD AND BOX FOR THREE PHASE PAD-MOUNTED TRANSFORMER

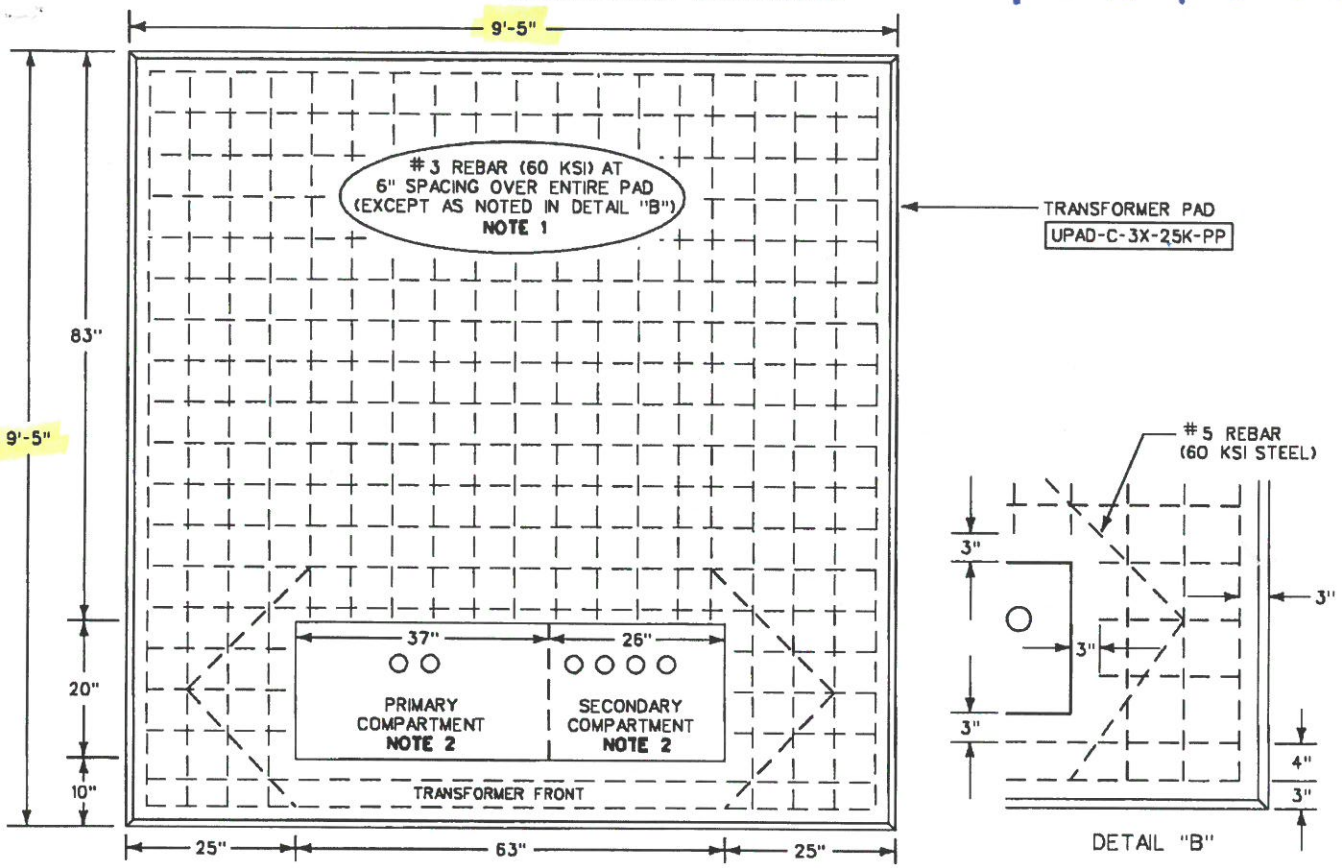
112.5 - 1000 kVA, 120/208 VOLT
35 kV

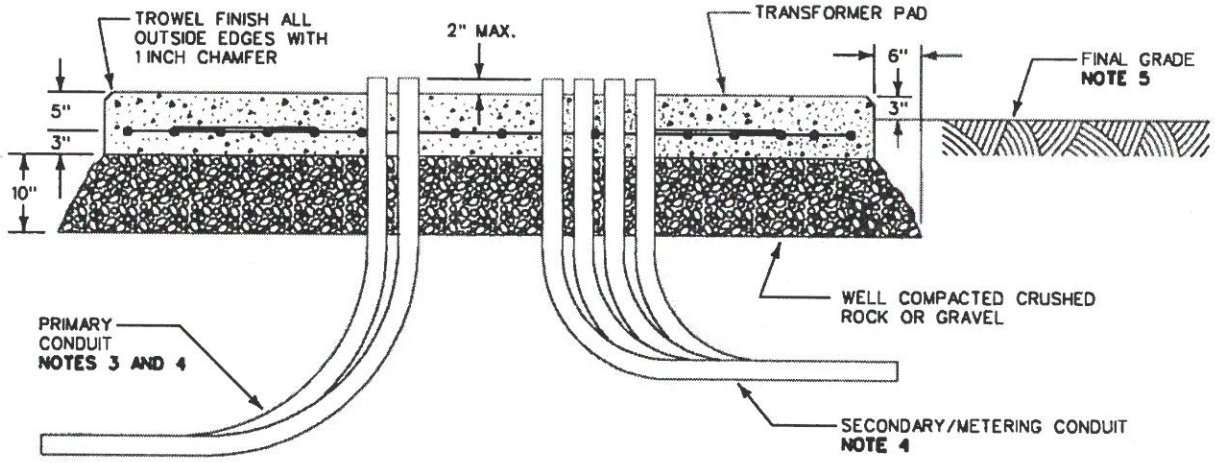
DECEMBER 15, 2010

D.S. 2024
PAGE 1 OF 2

AMERICAN ELECTRIC POWER COMPANY
DISTRIBUTION STANDARDS

9'-5" x 9'-5" x 8"





NOTES:

1. PROVIDE 3,500 PSI CONCRETE WITH A MINIMUM 3 INCH COVER OVER ALL REBAR. WIRE MESH WITH A MINIMUM CROSS SECTIONAL AREA OF 0.176 SQUARE INCHES PER FOOT OF PAD WIDTH MAY BE USED IN PLACE OF REBAR.
2. THE NUMBER AND PLACEMENT OF CONDUITS TO BE DETERMINED BY ENGINEERING. SECONDARY CONDUIT MAY EXTEND IN ANY DIRECTION AS REQUIRED BY THE CUSTOMER.
3. PRIMARY CONDUIT NUMBER, SIZE, LOCATION AND DIRECTION TO BE SPECIFIED BY ENGINEERING. CONDUIT CAN BE FLEXIBLE, TYPE EB, OR DB PVC. CONDUIT WITH 90°, 36 INCH RADIUS BENDS. TO AVOID DISTURBING THE GROUND UNDER THE REAR OF THE PAD AND TO MINIMIZE SETTLING, BRING CONDUITS TO THE FRONT OR SIDES WHENEVER POSSIBLE AND MARK THE CONDUIT END LOCATIONS.
4. BURIAL DEPTH IS DEFINED AS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. PRIMARY CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 3'-0" AND SECONDARY CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 2'-6". IT IS RECOMMENDED THAT PRIMARY CABLES AND SECONDARY CABLES MAINTAIN BURIAL DEPTHS OF 2'-6" AND 2'-0" RESPECTIVELY; THE INITIAL 3'-0" AND 2'-6" BURIAL DEPTHS ARE TO ALLOW FOR CHANGES IN SURFACE CONDITIONS.
5. FINAL GRADE SHALL BE ESTABLISHED BEFORE INSTALLATION OF PAD.

CONCRETE PAD FOR THREE PHASE PAD-MOUNT TRANSFORMERS

1000 kVA - 2500 kVA, 277/480 VOLT
25 kV AND BELOW

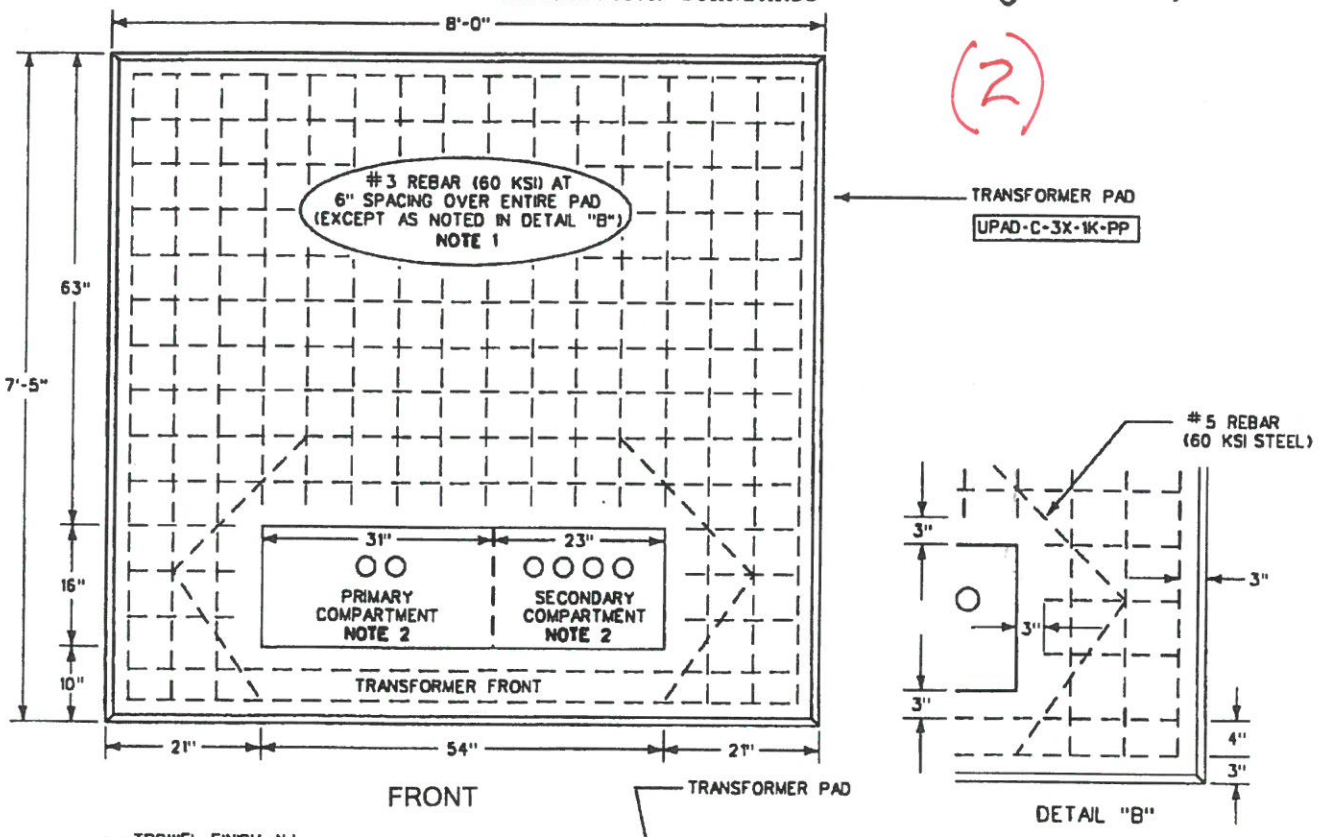
DECEMBER 15, 2010

D.S. 2021

AMERICAN ELECTRIC POWER COMPANY
DISTRIBUTION STANDARDS

8'-0" x 7'-5" x 8"

(2)



NOTES:

1. PROVIDE 3,500 PSI CONCRETE WITH A MINIMUM 3 INCH COVER OVER ALL REBAR. WIRE MESH WITH A MINIMUM CROSS SECTIONAL AREA OF 0.176 SQUARE INCHES PER FOOT OF PAD WIDTH MAY BE USED IN PLACE OF REBAR.
2. THE NUMBER AND PLACEMENT OF CONDUITS TO BE DETERMINED BY ENGINEERING. SECONDARY CONDUIT MAY EXTEND IN ANY DIRECTION AS REQUIRED BY THE CUSTOMER.
3. PRIMARY CONDUIT NUMBER, SIZE, LOCATION AND DIRECTION TO BE SPECIFIED BY ENGINEERING. CONDUIT CAN BE FLEXIBLE, TYPE EB OR DB PVC CONDUIT WITH 90°, 36 INCH RADIUS BENDS. TO AVOID DISTURBING THE GROUND UNDER THE REAR OF THE PAD AND TO MINIMIZE SETTLING, BRING CONDUITS TO THE FRONT OR SIDES WHENEVER POSSIBLE AND MARK THE CONDUIT END LOCATIONS.
4. BURIAL DEPTH IS DEFINED AS THE DISTANCE BETWEEN FINAL GRADE AND THE TOP OF THE BURIED CABLE OR CONDUIT. PRIMARY CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 3'-0" AND SECONDARY CABLES SHALL BE INSTALLED AT A BURIAL DEPTH OF NOT LESS THAN 2'-6". IT IS RECOMMENDED THAT PRIMARY CABLES AND SECONDARY CABLES MAINTAIN BURIAL DEPTHS OF 2'-6" AND 2'-0" RESPECTIVELY: THE INITIAL 3'-0" AND 2'-6" BURIAL DEPTHS ARE TO ALLOW FOR CHANGES IN SURFACE CONDITIONS.
5. FINAL GRADE SHALL BE ESTABLISHED BEFORE INSTALLATION OF PAD.

CONCRETE PAD FOR THREE PHASE PAD-MOUNT TRANSFORMERS

112.5 kVA - 1000 kVA, 120/208 VOLT
112.5 kVA - 750 kVA, 277/480 VOLT
25 kV AND BELOW

02/08/2020

D.S. 2020