3000 PSI CONCRETE WITH SINGLE MAT #4 REBAR @10" O.C.E.W. SEE CONCRETE NOTES BELOW

TRANSFORMER OUTLINE

1" SCH 40 CONDUIT (GROUND ROD)

NOTE 10

PRIMARY CONDUITS

SECONDARY CONDUITS

CUSTOMER SHALL INQUIRE WITH KEC FOR THE NUMBER OF CONDUITS REQUIRED

PLAN VIEW

CUSTOMER SHALL CAP END OF 1" CONDUIT. (METER INSTALLATION BY KEC)

3/4" CHAMFER (ALL TOP EDGES OF PAD)

1" SCH 40 CONDUIT (GROUND ROD)

3" ABOVE CONCRETE

2-MK-C SPACED 4" O.C.
5-MK-A SPACED 10" O.C.E.W.

SECTION A-A

3Ø TRANSFORMER PAD FOUNDATION (75-500kVA)

C3" X 54" X 1/8" GALVANIZED STEEL CHANNEL FURNISHED BY KEC (FLAT SIDE TOWARDS FRONT OF PAD)

12" MIN 8" LIMESTONE BASE

CONCRETE BOX 6" BELOW PAD

FINAL GRADE 1% SLOPE

TOP SOIL

MIN 6" LIMESTONE BASE

CONCRETE BOX 2" BELOW PAD

FINAL GRADE

24" MIN

10" O.C.E.W.

3" ABOVE CONCRETE

TOP SOIL

CONCRETE BOX 6" BELOW PAD

FINAL GRADE

24" MIN

8-MK-B SPACED 10" O.C.E.W.

3" ABOVE CONCRETE

TOP SOIL

CONCRETE BOX 6" BELOW PAD

FINAL GRADE

24" MIN

TOP SOIL

THREE-PHASE TRANSFORMER PAD
75-500 kVA
[TO BE PROVIDED BY CUSTOMER]
UNIT REQUIREMENTS:

CONCRETE = 1.25 CUBIC YARDS
RE-BAR: 6~MK-A #4 X 9'-9"
8~MK-B #4 X 8'-2"
2~MK-C #4 X 24'-0"

ISOMETRIC VIEW

3Ø TRANSFORMER PAD
FOUNDATION (75-500kVA)

CONCRETE NOTES

1. FOUNDATIONS MUST BE CAST-IN-PLACE (C). NO PRECAST FOUNDATIONS SHALL BE ALLOWED.
2. FOUNDATION SHALL NOT BE LESS THAN 6" IN THICKNESS.
3. CONCRETE SHALL HAVE A MIN. 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI WHEN TESTED IN ACCORDANCE WITH ASTM C39.
4. REINFORCING STEEL SHALL CONFORM TO THE LATEST REVISION OF ASTM A615, GRADE 60.
5. STEEL REINFORCING SHALL BE A SINGLE MAT OF #4 REBAR SECURELY TIED TOGETHER AT 10" O.C.C.W. ENDING 2" FROM OUTSIDE EDGE OF PAD.
6. CONTRACTOR SHALL ELEVATE REBAR 2" FROM GROUND USING SPACERS OR CHAIRS.
7. MAX CONCRETE COVER OVER REINFORCING STEEL 2.5 INCHES UNLESS NOTED.
8. WOOD FLOAT FINISH, LEAVING NO DEPRESSIONS.

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS WITH APPROVED VENDOR DRAWINGS PRIOR TO MOBILIZING THE JOB SITE OR POURING ANY CONCRETE.
2. FOUNDATION ASSEMBLIES INCLUDE PAD PREPARATION, BACKFILL, LIMESTONE BASE, COMPACTION, FOUNDATION, DRAINAGE AND TOP SOIL WHEN REQUIRED.
3. BACKFILL OF TRENCHING BELOW PROPOSED PAD SHALL BE IN ACCORDANCE WITH TRENCH DETAILS, UNLESS OTHERWISE SPECIFIED.
4. TOP OF PAD SHALL BE A MIN. OF 3" ABOVE FINAL GRADE AND CONTRACTOR SHALL ENSURE A MIN. OF 1% SLOPE AWAY FROM PAD IN ALL DIRECTIONS.
5. LIMESTONE BASE – SHALL BE TX-DOT TYPE A GRADE 1 OR 2 LIMESTONE BASE MATERIAL AND SHALL BE COMPACTED TO 95% MODIFIED PROCTOR, WHEN TESTED IN ACCORDANCE WITH ASTM 1557.
6. KEC SHALL INSTALL GROUND RODS IN 1” SCH 40 CONDUIT PROVIDED BY CUSTOMER, AS SHOWN. GROUND RODS SHALL NEVER BE CUT FOR ANY REASON.
7. EQUIPMENT SHALL BE SECURED TO PAD IN ACCORDANCE WITH MANUFACTURER’S RECOMMENDATIONS.
8. IT IS RECOMMENDED FOR THE CUSTOMER TO INSTALL SPARE CONDUIT FOR FUTURE SECONDARY SERVICES.
9. CONDUITS SHALL BE ENCASED IN CONCRETE WHEN POURING PAD FOR THE TRANSFORMER. CONDUITS AND REBAR MUST BE INSPECTED PRIOR TO POURING CONCRETE.
10. PRIMARY AND SECONDARY CONDUITS SHALL NOT BE LOCATED UNDER THE 1" GROUND ROD CONDUIT. PRIMARY AND SECONDARY CONDUITS SHALL BE STUBBED UP AS NOT TO INTERFERE WITH CONSTRUCTION OF REBAR (CONCRETE NOTE 5).

KARNES ELECTRIC COOPERATIVE

THREE-PHASE TRANSFORMER PAD
75-500 kVA
[TO BE PROVIDED BY CUSTOMER]