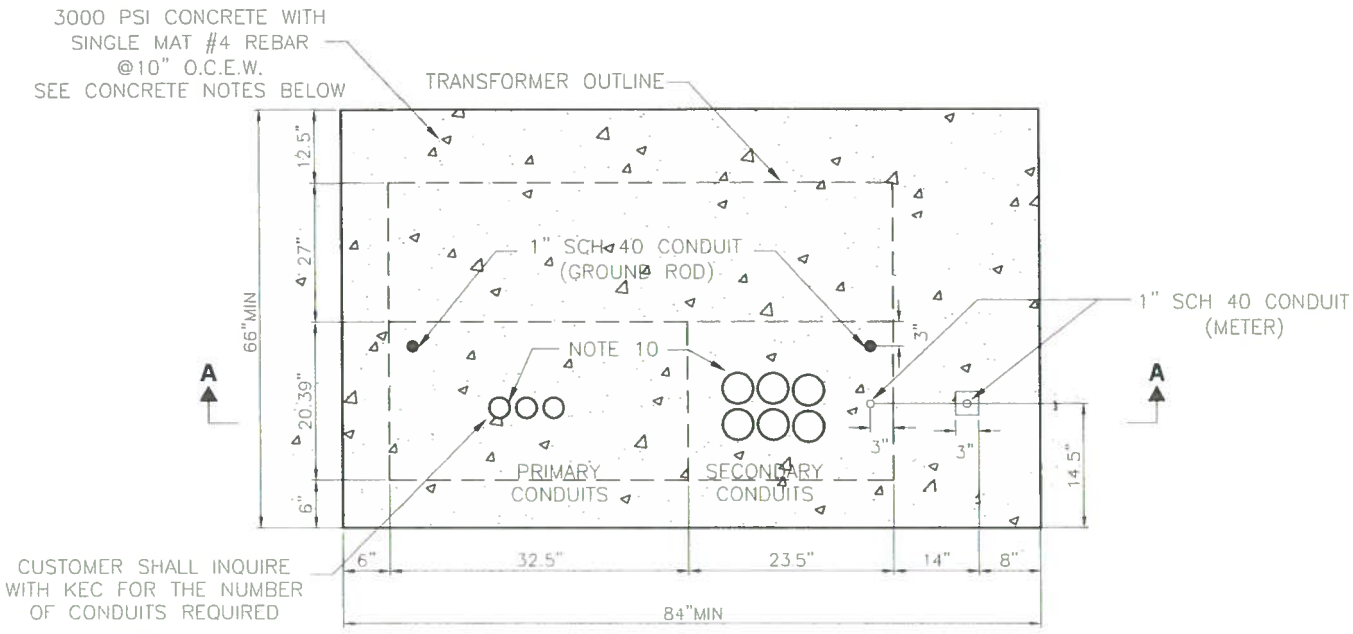
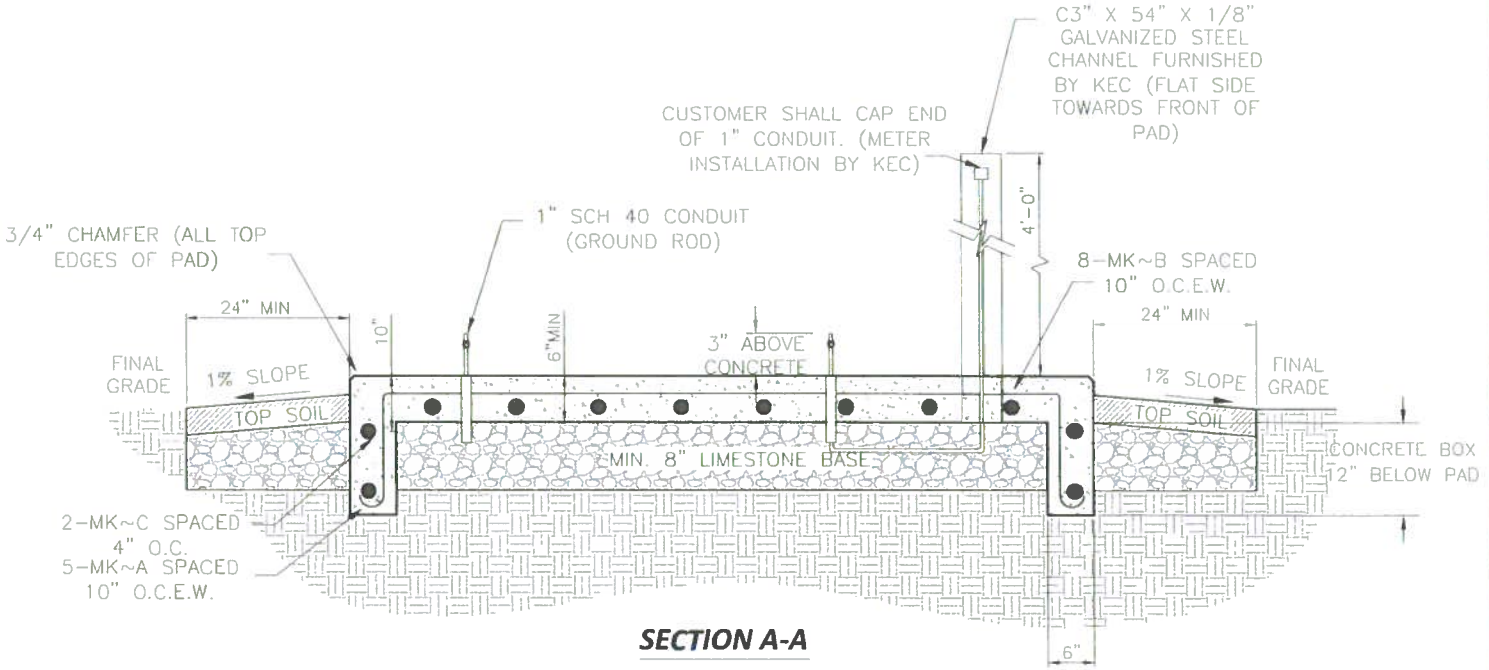


PLAN VIEW



SECTION A-A

3Ø TRANSFORMER PAD FOUNDATION (75-500kVA)

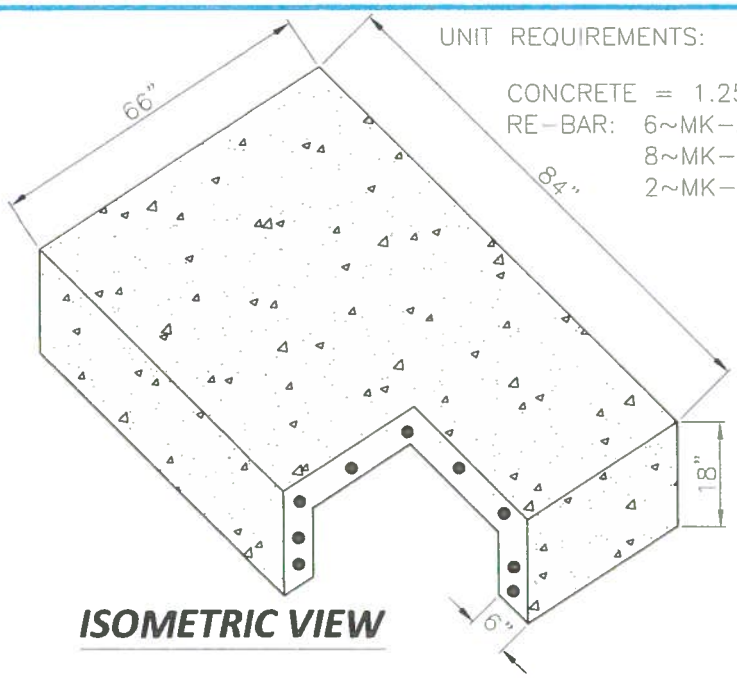
KARNES ELECTRIC COOPERATIVE

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

SCHNEIDER ENGINEERING

August 2014

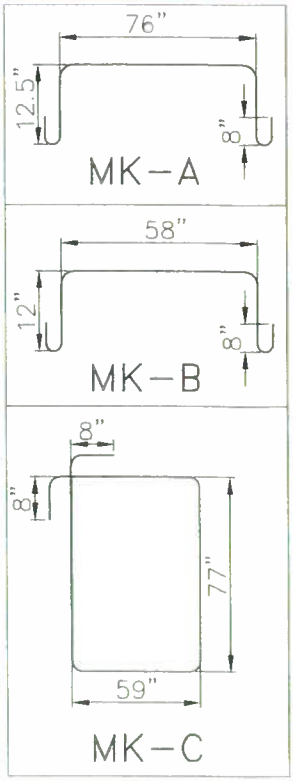
UM1-6C-75/500



ISOMETRIC VIEW

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"



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.E.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
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