



SECTION A-A

CONSTRUCTION AND INSTALLATION REQUIREMENTS:

- THE INTERIOR (OPEN) DIMENSIONS FOR THE PRECAST CABLE PITS ARE APPROXIMATELY 5 FEET WIDE X 10 FEET LONG X 4'6" DEEP. THERE IS SOME VARIATION FROM MANUFACTURER TO MANUFACTURER, HOWEVER, THE INTERIOR LENGTH SHOULD REMAIN CLOSE TO THE NOMINAL TO INSURE A PROPER FIT OF THE SWITCHGEAR AND COVER PLATES.
- EACH LONG WALL HAS A "UNISTRUT" FOR 1/2" SPRING NUT IMBEDDED ALONG THE LENGTH OF THE OPENING. THESE CHANNELS MUST BE LOCATED 61-1/2" APART (CENTER TO CENTER). THIS DIMENSION CAN NOT VARY.
- THE BOTTOM OF THE EXCAVATION FOR THE PRECAST MANHOLE SHOULD BE FILLED WITH AN 8" THICK LAYER OF CRUSHED ROCK. IT SHOULD BE LEVEL. A SUMP OR "FRENCH DRAIN", 3 FT. SQUARE AND 3 FT. DEEP AND FILLED WITH GRAVEL SHOULD BE PLACED UNDER THE SUMP HOLE KNOCKOUT IN THE MANHOLE. THE SUMP HOLE SHOULD BE OPENED AFTER THE MANHOLE IS SET.
- WALLS AND FLOOR MAY BE OF ANY THICKNESS AS LONG AS THE CABLE PIT IS STRUCTURALLY SOUND AND CAPABLE OF CARRYING THE WEIGHT OF THE SWITCHGEAR (2000 LBS MAX.).
- THERE ARE TO BE 4 - 1" ID PVC PIPE SLEEVES THROUGH THE FLOOR LOCATED 1' OUT FROM EACH CORNER FOR INSTALLING GROUND RODS.
- THE FLOOR SHOULD HAVE A 15" DIA. SUMP KNOCKOUT IN THE CENTER OF THE PIT.
- CONDUIT SHOULD ENTER THE CENTER OF THE END WALLS AND APPROXIMATELY 18" FROM THE ENDS OF THE LONG WALLS. KNOCKOUTS, SLEEVES, OR "FORMEX" INSERTS SHOULD ACCOMMODATE 4 - 6" ID SCH. 40 PVC DUCTS AT EACH LOCATION WHERE CONDUIT WILL ENTER THE PIT.
- THERE IS TO BE A PULLING BOLT OR IRON CAPABLE OF WITHSTANDING 25,000 POUNDS OF TENSION INSTALLED IMMEDIATELY ABOVE EACH CONDUIT ENTRY.
- INDIVIDUAL CONDUIT SHOULD BE SEPARATED FROM EACH OTHER BY 4" (OUTSIDE TO OUTSIDE) WHEN THEY ENTER THE PIT. ENDS OF CONDUIT SHOULD BE TERMINATED IN A "BELL END" FITTING THAT IS FINISHED FLUSH WITH THE INSIDE WALL OF THE CABLE PIT.