



- ANCHOR BOLTS IN EXISTING CONCRETE
  - SELECTION OF EPOXY ADHESIVE TYPE AND THE REQUIRED EMBEDMENT DEPTH INTO THE EXISTING CONCRETE IS THE CIVIL CONTRACTOR'S RESPONSIBILITY. TORQUE VALUES ARE BASED ON EMBEDMENT DEPTHS OF 9.00" OR GREATER.
  - AFTER THE EMBEDMENT DEPTH IS DETERMINED, CONTRACTOR TO CUT ANCHOR BOLTS (ITEM 08) TO LENGTH REQUIRED.
  - WRAP ADHESIVE TAPE OR AN EQUIVALENT BOND BREAKER TO COVER THE PARTS OF THE ANCHOR BOLT SO THAT GROUT DOES NOT ADHERE TO THE THREADS.
  - LAYOUT (4) ANCHOR BOLTS PER FOUNDATION DRAWING APL1000720 AND DRILL HOLES.
  - SECURE ANCHOR BOLTS WITH EPOXY ADHESIVE AS PER CIVIL CONTRACTOR AND ADHESIVE/ANCHOR MATERIAL SPECIFICATIONS.
  - PRIOR TO POSITIONING A BASEPLATE, LEVELING PADS (ITEM 06) ARE LOCATED AND GROUTED IN POSITION AT EACH LEVELING SCREW (ITEM 07) LOCATION.
  - GROUT MUST BE PREVENTED FROM ENTERING PRE-TAPPED HOLES IN THE BASEPLATES. PLASTIC PLUGS ARE RECOMMENDED.
  - CLEAN BASEPLATES AND PLACE OVER ANCHOR HOLES AND RE-CHECK LAYOUT.
- 3.) BASEPLATE MOUNTING INSTRUCTIONS
  - SET BASEPLATES USING THE SCRIBE LINES SPECIFIED BY DRAWING.
  - ROUGH LEVEL EACH BASEPLATE WITH LEVELING SCREWS. DURING MOUNTING, THE SHAPE OF THE PLATE SURFACE SHALL BE FOLLOWED BY USING A SPIRIT LEVEL AND STRAIGHT EDGE.
  - FINAL LEVELING OF BASEPLATES IS ACHIEVED WITH OPTICAL ALIGNMENT EQUIPMENT.
  - AFTER THE ANCHOR BOLTS HAVE FULLY CURED, PRE-TORQUE FOR Ø1.0-BNC HOLD DOWN BOLTS TO 120 FT-LBS

- GROUTING OF BASEPLATES
  - GROUTING THE BASEPLATES IS THE RESPONSIBILITY OF THE CIVIL CONTRACTOR WHOM SHALL SELECT THE GROUTING MATERIAL AND METHOD, AND ASSUME RESPONSIBILITY OF THE PERFORMANCE AND QUALITY OF THE WORK DONE.
  - A GOOD QUALITY NON-SHRINKING GROUT IS TO BE USED.
  - THE MINIMUM CLEARANCE BETWEEN FOUNDATION CONCRETE AND BOTTOM OF BASEPLATE IS 1.00" OR AS PER GROUT MANUFACTURER RECOMMENDATIONS.
- 5.) FINAL ANCHOR BOLT TIGHTENING
  - AFTER GROUT IS FULLY CURED, RELEASE TENSION ON LEVELING SCREWS (BACK-OFF 1/8 TURN) AND FINAL TORQUE Ø1.0-BNC ANCHOR BOLTS TO 235 FT-LBS.
  - SOUND TEST ALL BASEPLATES TO VERIFY INTEGRITY OF GROUTING.
- 6.) FINAL ACTION
  - AFTER ALL HOLD DOWN BOLTS ARE FINAL TORQUED AND ELEVATIONS ARE WITHIN PERMISSIBLE TOLERANCE, CUT ANCHOR BOLTS AND LEVELING SCREWS FLUSH WITH TOPS OF BASEPLATE AND FILL RECESSES WITH EPOXY TO WITHIN .06" (1.5MM) OF TOP OF BASEPLATE.
  - RECORD ALL FINAL BASEPLATE ELEVATIONS.

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