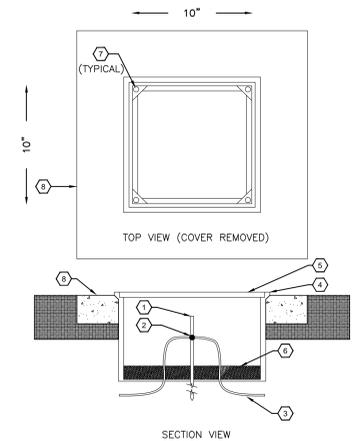


- NOTES:**
- SEE BUILDING POWER PLANS FOR GROUND CONDUCTOR SIZES.
  - ELECTRONIC EQUIPMENT ROOM GROUND BAR - WHERE THE SECURITY ELECTRONICS ROOM IS NOT ADJACENT TO THE ELECTRICAL ROOM, PROVIDE CONNECTIONS TO PIPING AND STRUCTURE.
  - REMOVABLE LINK.
  - PROVIDE #3/0 FROM GROUND BUS IN ELECTRICAL ROOM TO EQUIPMENT, STRUCTURAL STEEL, ETC., UNLESS OTHERWISE NOTED.
  - PROVIDE GROUND RODS AND GROUND CONDUCTOR AS REQUIRED TO MEET NEC ARTICLE 250 AND TO OBTAIN A 5 OHM MAXIMUM GROUNDING RESISTANCE.

**3 TYPICAL BUILDING AREA GROUNDING DETAIL**  
NTS

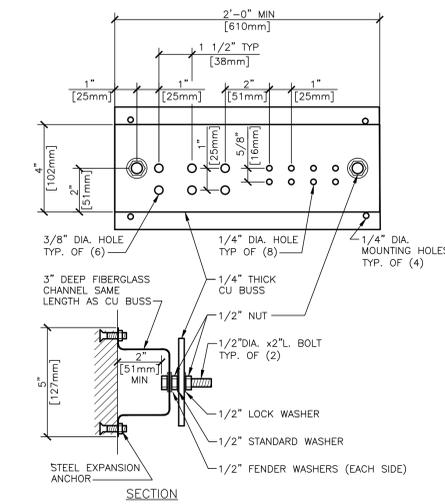


- KEYNOTES:**
- GROUND ROD.
  - EXOTHERMIC WELD.
  - GROUNDING CONDUCTOR (BARE COPPER)
  - POLYMER CONCRETE FIBERGLASS REINFORCED BOX.
  - COVER FOR ABOVE BOX.
  - GRAVEL OR CRUSHED STONE.
  - TAMPERPROOF FASTENERS FOR LID.
  - 3000 PSI CONCRETE IAW MANUFACTURER RECOMMENDATIONS.

**GENERAL NOTE:**

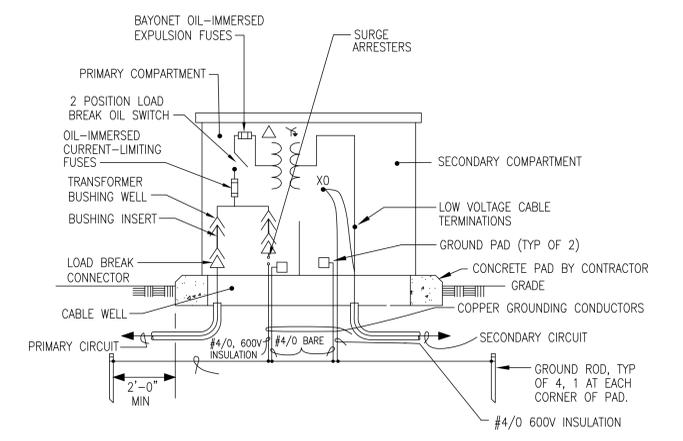
- ONE GROUND ROD TEST WELL REQUIRED AT EACH BUILDING WHERE THE MAIN GROUNDING ELECTRODE CONDUCTOR ENTERS THE SERVICE ENTRANCE EQUIPMENT.

**2 GROUND ROD TEST WELL DETAIL**  
NTS

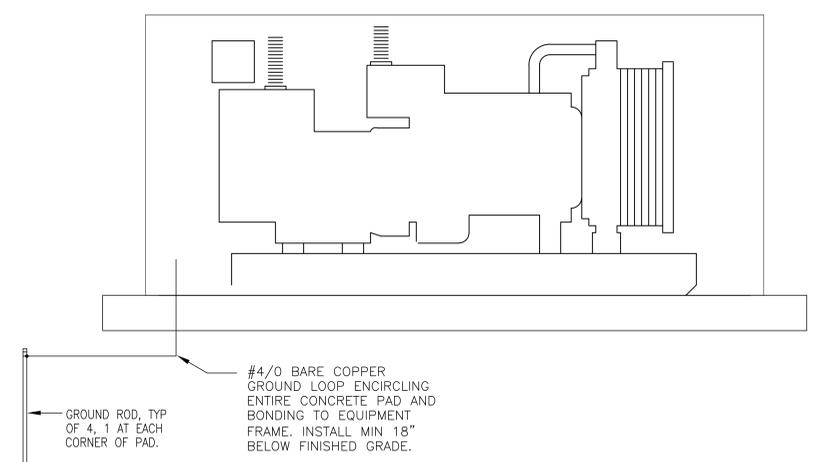


- GENERAL NOTES:**
- ALL HARDWARE SHOWN SHALL BE STAINLESS STEEL.
  - PROVIDE 1 MOUNTING POINT PER 12" OF BAR LENGTH.
  - HOLES MAY BE ADDED IF REQUIRED.

**4 GROUNDING BAR DETAIL**  
NTS



**1 PAD-MOUNTED TRANSFORMER DETAIL**  
NTS



**5 GENERATOR GROUNDING DETAIL**  
NTS

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one eighth inch = one foot

A  
B  
C  
D  
E  
F

FINAL SUBMISSION

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				Approved Project Director	Location <b>PANAMA CITY, FLORIDA</b>	Building Number -	
Revisions:	Date:	Date MARCH 2012	Checked -	Drawn GWS	Date MARCH 2012	Checked -	Drawn GWS