

GROUND WIRE LENGTH	
LINEAR FT.	SIZE (AWG)
LESS THAN 13	6 (0.162 IN)
13 TO 20	4 (0.232 IN)
20 TO 26	3 (0.260 IN)
26 TO 33	2 (0.292 IN)
33 TO 44	1 (0.332 IN)
44 TO 52	1/0 (0.373 IN)
52 TO 66	2/0 (0.419 IN)
67 TO 84	3/0 (0.470 IN)
85 TO 105	4/0 (0.528 IN)
106 TO 125	250 kcmil (0.575 IN)
126 TO 150	300 kcmil (0.630 IN)
151 TO 175	350 kcmil (0.681 IN)
176 TO 250	500 kcmil (0.813 IN)
251 TO 300	600 kcmil (0.893 IN)
GREATER THAN 300	750 kcmil (0.998 IN)

- PROVIDE (1) GROUND BUSBAR PER TELECOM ROOM (TR).
- BOND GROUND BUSBAR (TGB) TO THE MAIN GROUND BUSBAR (TMGB) WITH A GROUND WIRE, SIZED FROM CHART.
- BOND MAIN GROUND BUSBAR TO MAIN ELECTRICAL GROUND (MDP).
- BOND GROUND WIRES TO BUSBAR WITH TERMINAL BLOCKS.
 DO NOT BOND TR GROUND BUSBAR TO BUILDING STEEL.

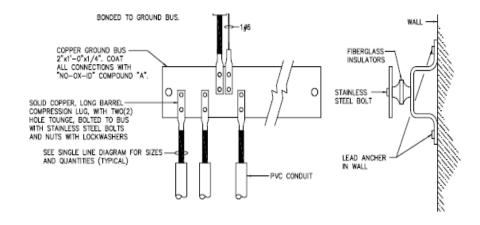
- HTAPS SHOULD NOT BE USED.

 MAINTAIN MINIMUM BENDING RADIUS IN ROUTING BONDING CONDUCTORS.
- MOUNT TELECOM GROUND BUSINGS OF BELOW CABLE RUNWAY IN EACH TELECOM ROOM.

 MOUNT TELECOM GROUND BUSBAR 6" BELOW CABLE RUNWAY IN EACH TELECOM ROOM.
- INSTALL EACH CONDUCTOR IN SEPARATE CONDUITS.
 PROVIDE GREEN SHEATHED BONDING CONDUCTORS.

TYPICAL TELECOM GROUND BUSBAR

NOT TO SCALE



DETAIL "TGB"
PRINCIPAL GROUND BAR