NYC 9/11 Public Portal Document

(4)

Table 1
System Ground Equipment Grounding and Bonding Conductors

Sizes of Largest Circuit Conductor or Equivalent for Multiple Conductors or Multiple Services		*Size of Grounding Conductor (AWG)*	
Copper	*Aluminum*	*Copper*	*Aluminum*
12	12	16*	12*
10	8	14*	12*
8	6	12*	10*
6	4	10*	8*
4 to 2	0	8	6
1 or 0	2/0 or 3/0	6	4
2/0 or 3/0	4/0 or 250 MCM	4	2
Over 3/0 to 350 MCM	Over 250 MCM to 500 MCM	2	0
Over 350 MCM to 600 MCM	Over 500 MCM to 900 MCM	0	3/0
Over 600 MCM to 1100 MCM	Over 900 MCM to 1750 MCM	2/0	4/0
Over 1100 MCM	Over 1750 MCM	3/0	250 MCM

* Permissible for equipment grounding only but shall not be attached to a circuit conductor. No. 18 copper or No. 14 aluminum wire shall be minimum used for portable or pendant equipment grounding if the branch circuit over-current device does not exceed fifteen amperes.

h. The grounded circuit conductor and/or neutral conductor of an interior wiring system shall not be used for grounding conduit, armored cable, other raceways or equipment.

i. Lightning rods shall not be used as grounding conductors.

j. Grounding conductors of lightning arresters shall not be smaller than No. 6 and shall meet the same installation requirements as grounding conductors of interior wiring systems. They shall not be used as system or equipment grounding conductors.

NYC-WTC_000172105