

September 26, 2012

Electrical—Lightning Protection

Condominium Associates
Slider Engineering Group
13575 58th Street North
Suite 172
Clearwater, Fl. 33760

ATT: Harold Sturm
Doug Jenkins

RE: Lightning Protection Systems Inspection and Test
Bel Mare Buildings 1 & 2
130 & 140

To Whom It May Concern:

The following report is submitted pertaining to the inspection of the Lightning Protection systems and grounds at the above named project. Systems were inspected to UL 96A Lightning Protection Installation Standards and reported as follows:
Building #2 140

Rooftop lightning protection is in overall excellent shape and conforms to UL96A.

1. All placement of air terminals are correct.
2. All down conductors are placed properly at least 100' apart
3. All secondary bonding of metal bodies of inductance is correct and all materials are UL listed and labeled.
4. Ground testing at all down conductor points are as follows:
 - a. NE Corner 1.7 ohms
 - b. NW Corner 1.6 ohms
 - c. SW Corner 1.8 ohms
 - d. SE Corner 1.9 ohms
4. Main Electric room Grounding busbar Service bond .7 ohms

Recommendations: Install 4 Clamps and 5' of wire from perimeter conductor to 2nd thru wall rod at each corner of building to increase number of paths to down conductor
Approx costs for this building: \$500.00 - See Page N. Req.

Overall: System is in good shape and no major faults found. Materials are not corroded and are installed per UL96A standards. Surge protection has been installed on all incoming Main electrical switchgear and sub panels per UL96A

JOHN BARBER
Windemuller Technical Services





September 26, 2012

Electrical—Lightning Protection

—Surge Protection—Fuel Management—Low Voltage—Instrumentation—Controls—Fluorescent Lamp Recycling—ER13013317

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Slider Engineering Group
13575 58th Street North
Suite 172
Clearwater, FL 33760

ATT: Harold Sturm
Doug Jenkins

RE: Lightning Protection Systems Inspection and Test
Bel Mare Buildings 1 & 2
130 & 140

To Whom It May Concern:

The following report is submitted pertaining to the inspection of the Lightning Protection systems and grounds at the above named project. Systems were inspected to UL 96A Lightning Protection Installation Standards and reported as follows:
Building #1 130

Rooftop lightning protection is in overall excellent shape and conforms to UL96A.

1. All placement of air terminals are correct.
2. All down conductors are placed properly at least 100' apart
3. All secondary bonding of metal bodies of inductance is correct and all materials are UL listed and labeled.
4. Ground testing at all down conductor points are as follows:
 - a. NE Corner 2.1 ohms
 - b. NW Corner 1.9 ohms
 - c. SW Corner 1.01 ohms
 - d. SE Corner 1.5 ohms
4. Main Electric room Grounding busbar Service bond .1 ohms

Recommendations: Install 4 Clamps and 5' of wire from perimeter conductor to 2nd thru wall rod at each corner of building to increase number of paths to down conductor
Approx costs for this building: \$500.00 - Per Engr. H. Barber

Overall: System is in good shape and no major faults found. Materials are not corroded and are installed per UL96A standards. Surge protection has been installed on all incoming Main electrical switchgear and sub panels per UL96A

JOHN BARBER
Windemuller Technical Services

