

· · T · · Mobile ·

15 Commerce Way, Suite B
Norton, MA 02766

ENGINEERING FINAL AFFIDAVIT

4PR0360A HARBOR TERRACE



Address:

**284 Danforth Street
Portland, ME 04102**

Date:

08 DECEMBER 2015



R.K. Executive Centre ■ 201 Boston Post Road West ■ Suite 101 ■ Mariborough, MA 01752

t. 508.481.7400 ■ www.chappellengineering.com ■ f. 508.481.7406



December 08, 2015

T-Mobile Northeast LLC
15 Commerce Way, Suite B
Norton, MA 02766
(508) 286-2700

**Reference: Engineering Field Visit and Completion Affidavit
Site Harbor Terrace
284 Danforth Street, Portland, ME 04102
CEA Job Number 1424.004**

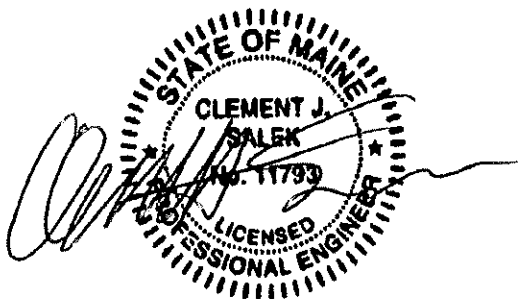
Site Description:

The site is an existing wireless communications facility in Portland, Maine. Three proposed panel antennas, three RRU's, & three TMA's were mounted to the three proposed ballast mounts with proposed mounts on the existing roof at 86'-0" AGL. The proposed antennas & RRU's were tied into the proposed ground system. The proposed equipment was mounted to the proposed equipment frame and tied into the proposed ground system.

Engineering Field Visit

On November 23, 2015 Chappell Engineering Associates performed a field inspection of the newly installed T-Mobile equipment in order to verify general conformance to the Engineering Construction Documents dated 11/24/14. The following site photos and field visit form documents our field visit, and the enclosed Construction Completion Affidavit is attached as requested.

Very truly yours,
CHAPPELL ENGINEERING ASSOCIATES, LLC



Clement J. Salek, P.E.

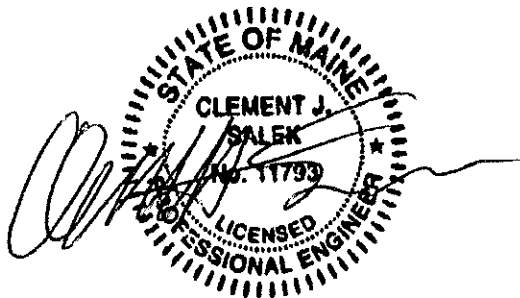
State of Maine

CONSTRUCTION COMPLETION AFFIDAVIT

PROJECT LOCATION: 284 Danforth Street, Portland, ME 04102
TENANT NAME: T-Mobile Northeast LLC
NATURE OF PROJECT: Installation of three (3) antennas & three (3) RRH's on new ballast mounts, installation of proposed equipment on proposed equipment frame inside proposed equipment area
ARCHITECT/ENGINEER: Chappell Engineering Associates, LLC
ADDRESS: 201 Boston Post Road West, Marlborough, MA 01752

I certify that the project located as described above has been built under my (or a duly appointed representative) supervision, the construction is in accordance with the approved construction plans and that such plans conform to all provisions of the State of Maine Uniform Building Code and IBC, Section 107.

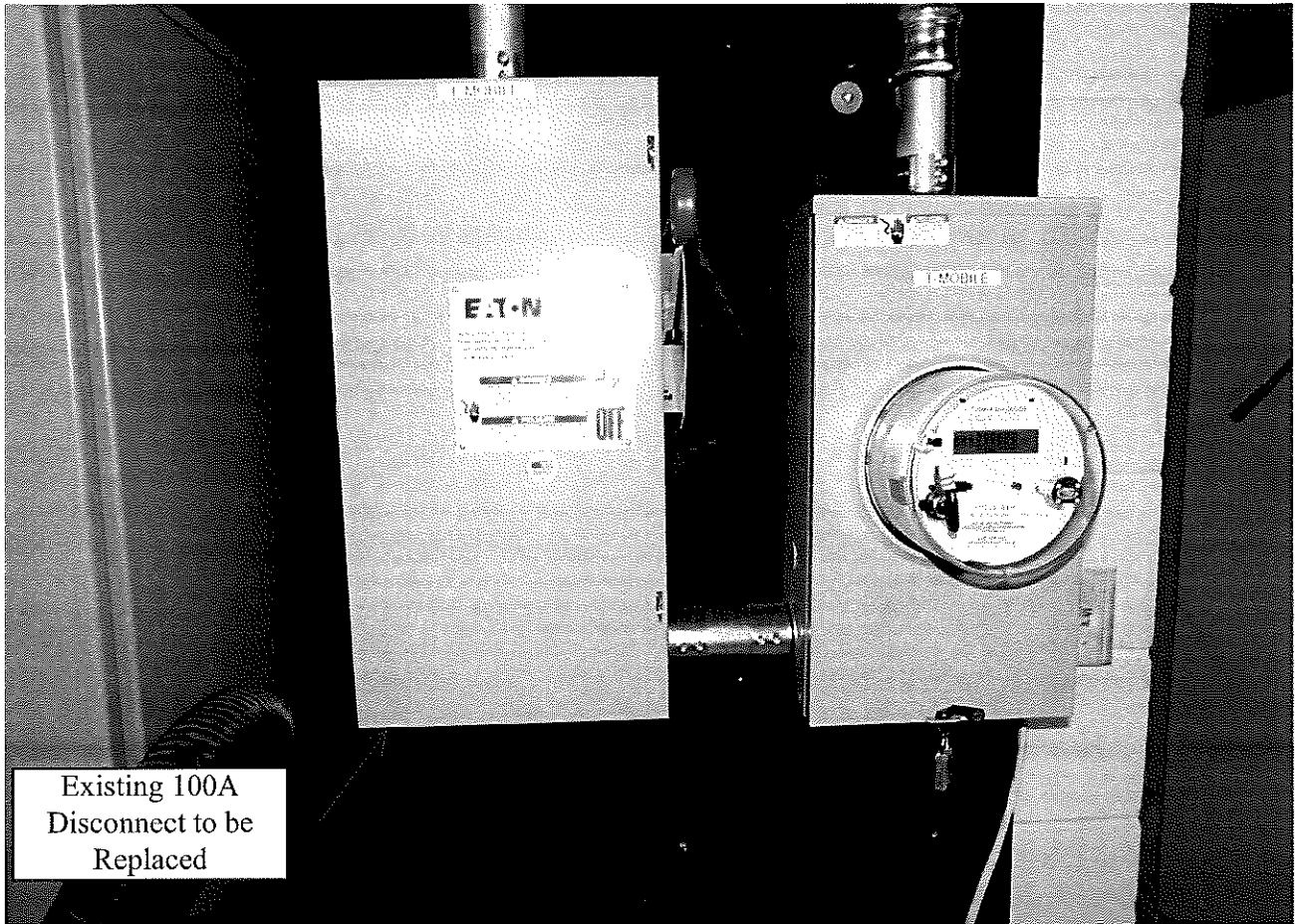
We have conducted our periodic inspections during the construction process, and have verified that the site has been constructed according to our Construction Drawings.



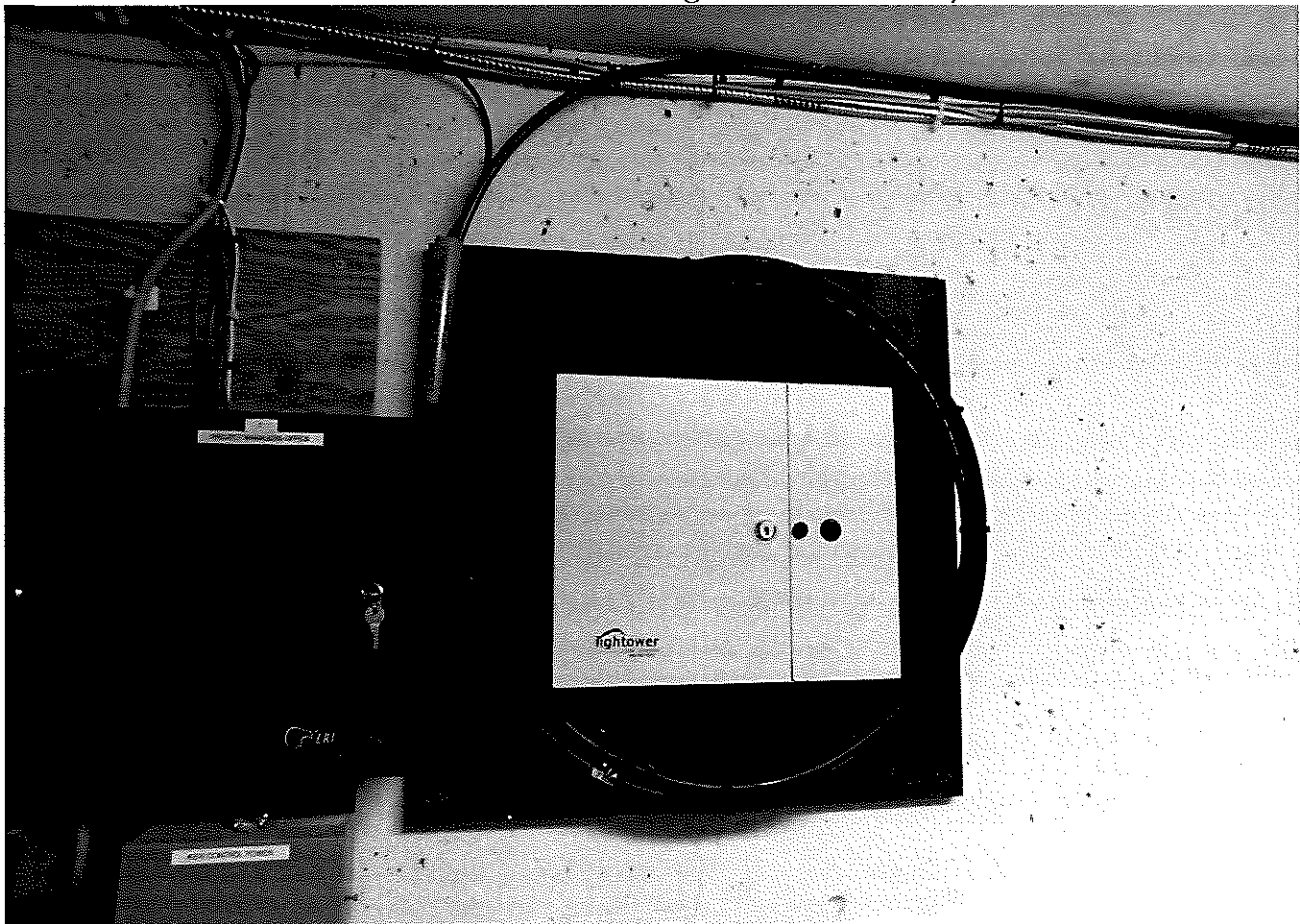
(Stamp Seal)

December 08, 2015

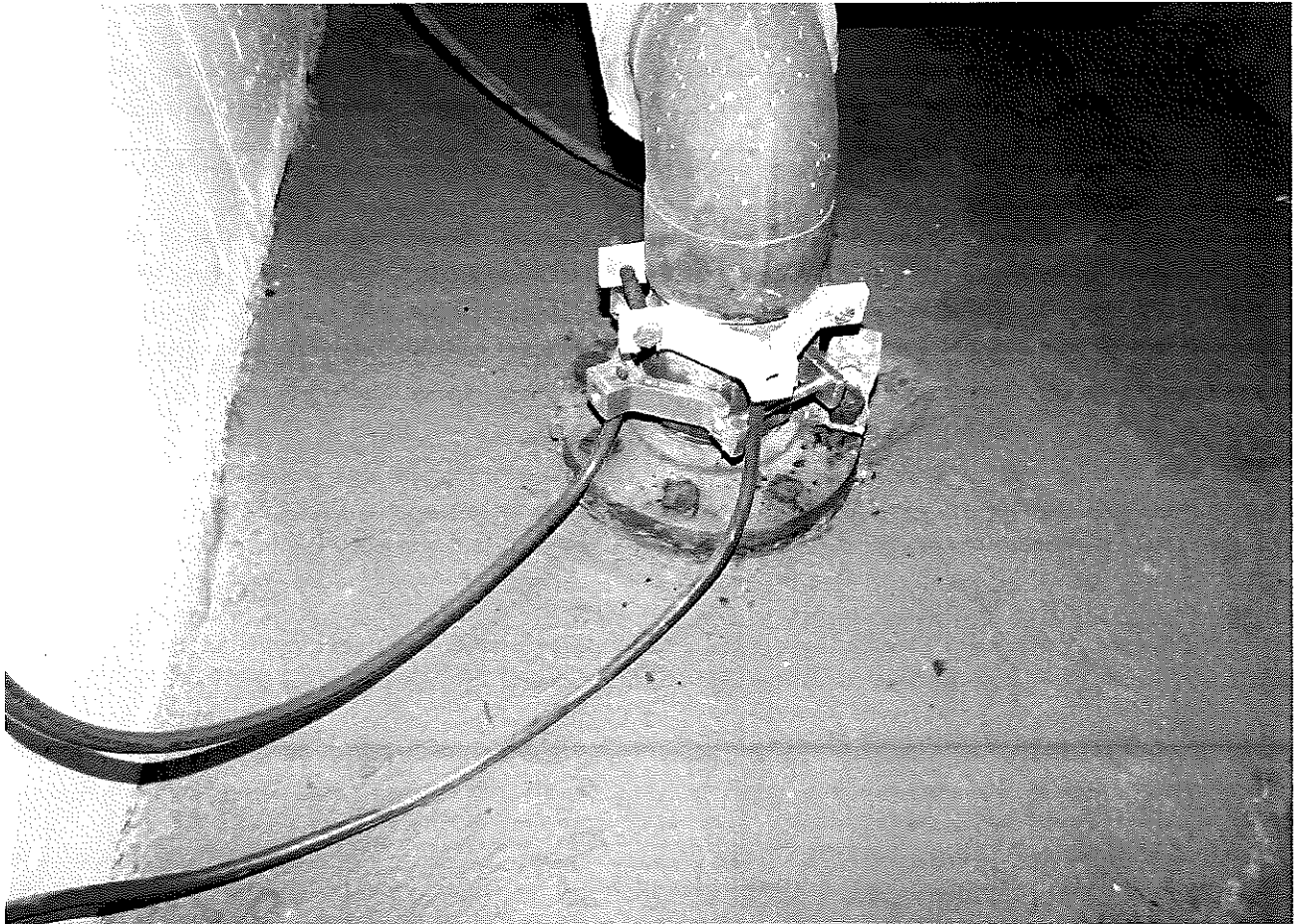
Clement J. Salek



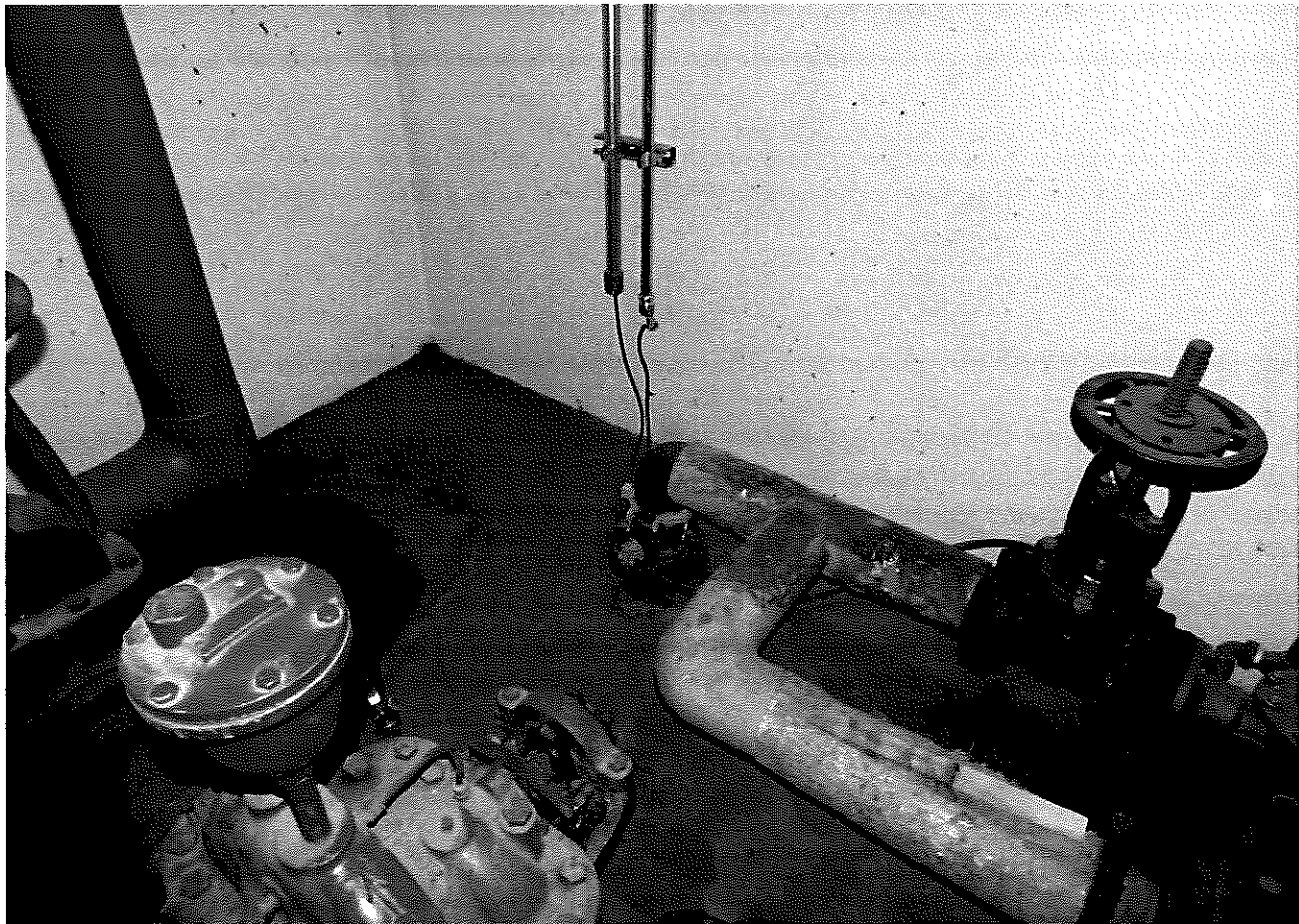
New T-Mobile Meter in Existing First Floor Utility Room



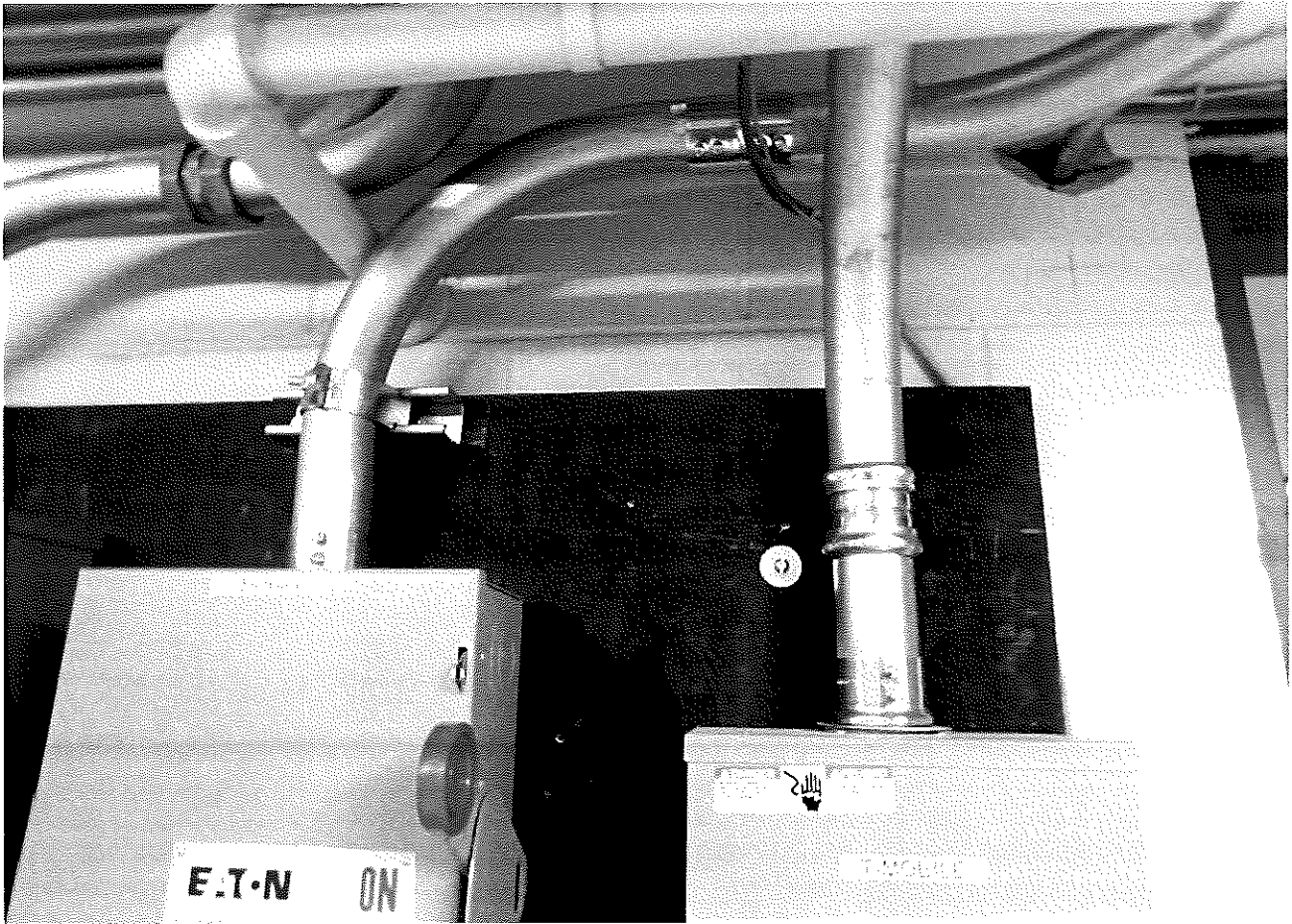
Existing Telco Demarc in Existing First Floor Utility Room



New Ground Wire Attached to Existing Water Main in Existing First Floor Utility Room



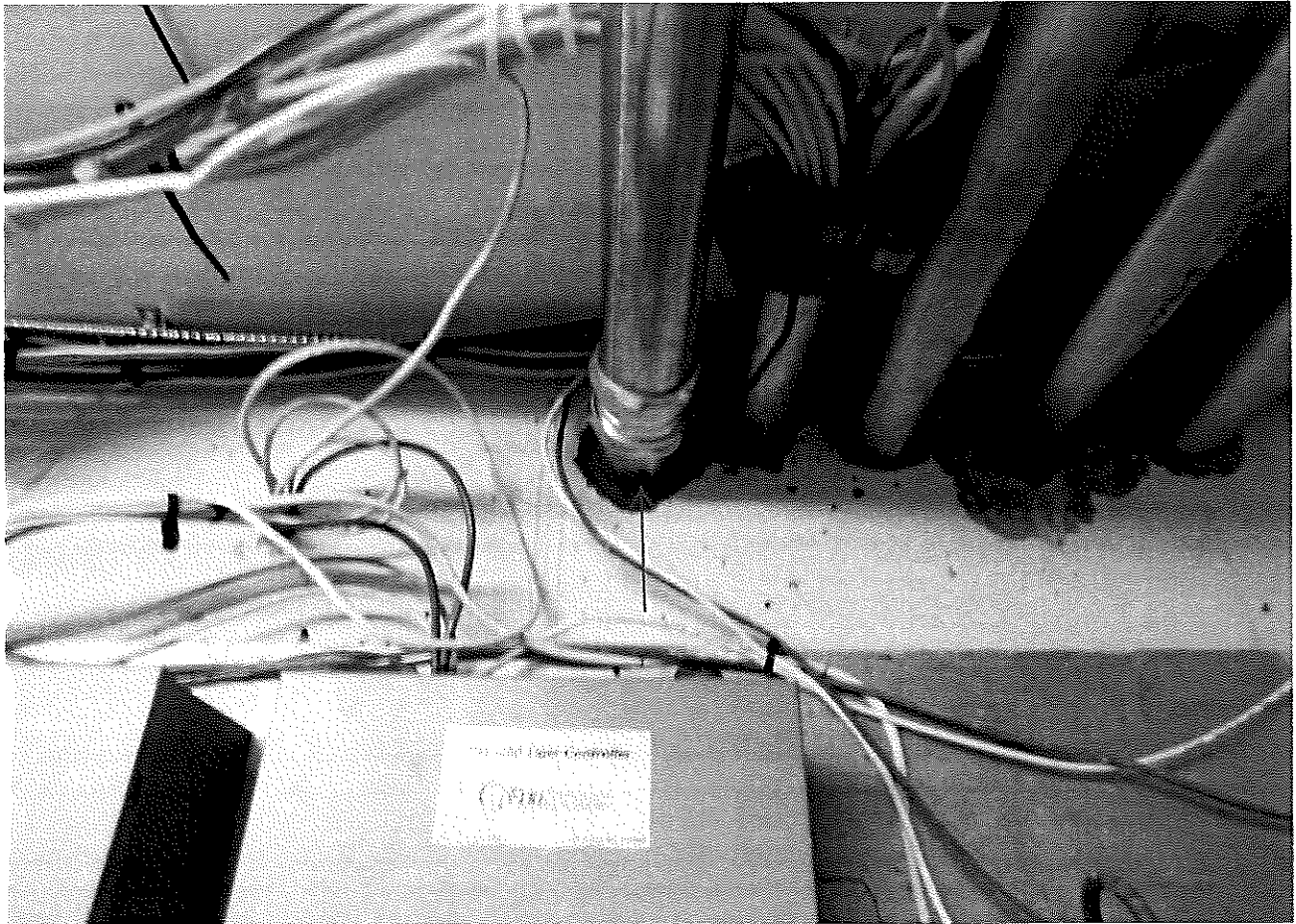
New Ground Wire Routed Through New Conduit to Equipment on Roof



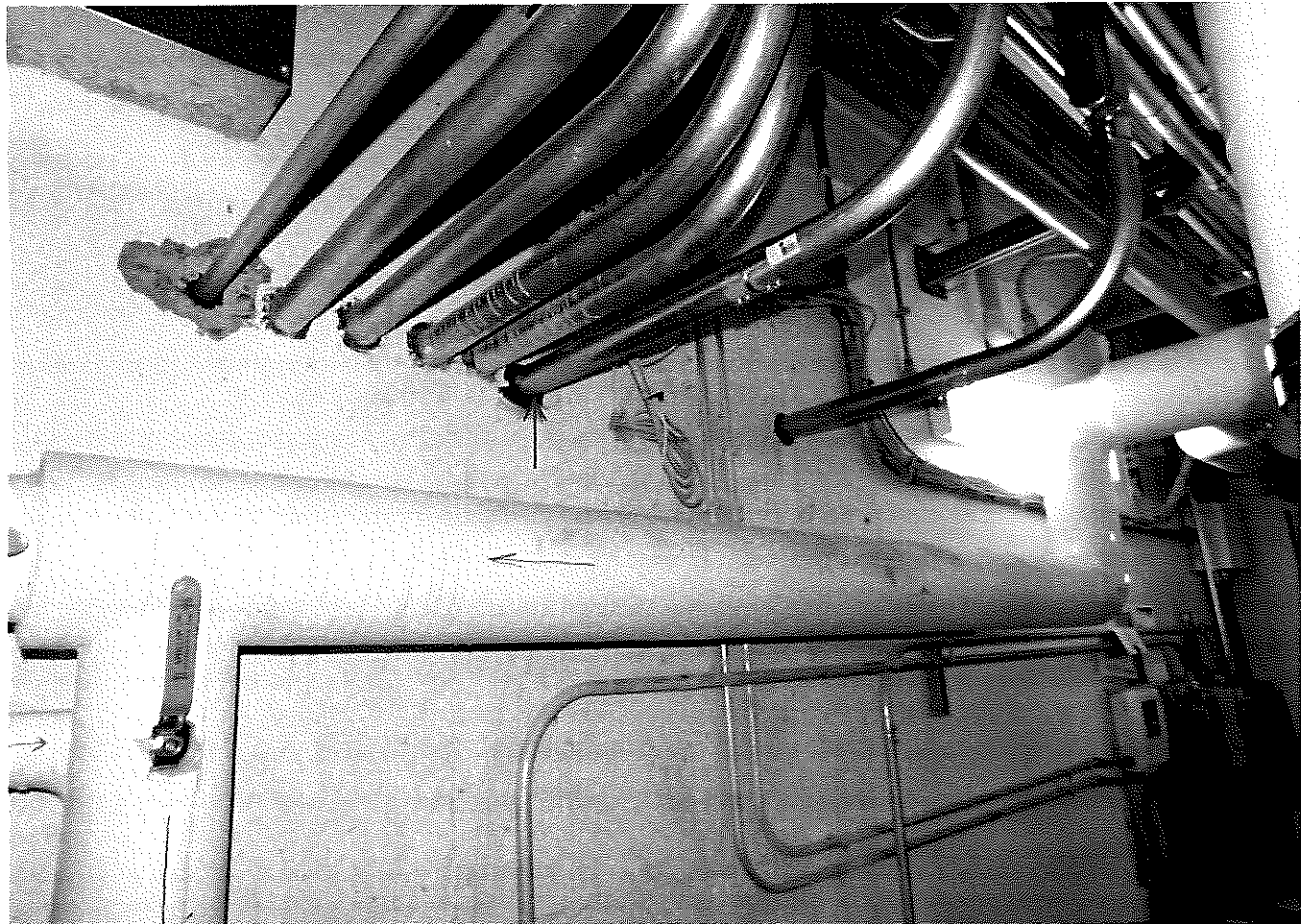
New Power Wire Routed Through New Conduit to Equipment on Roof



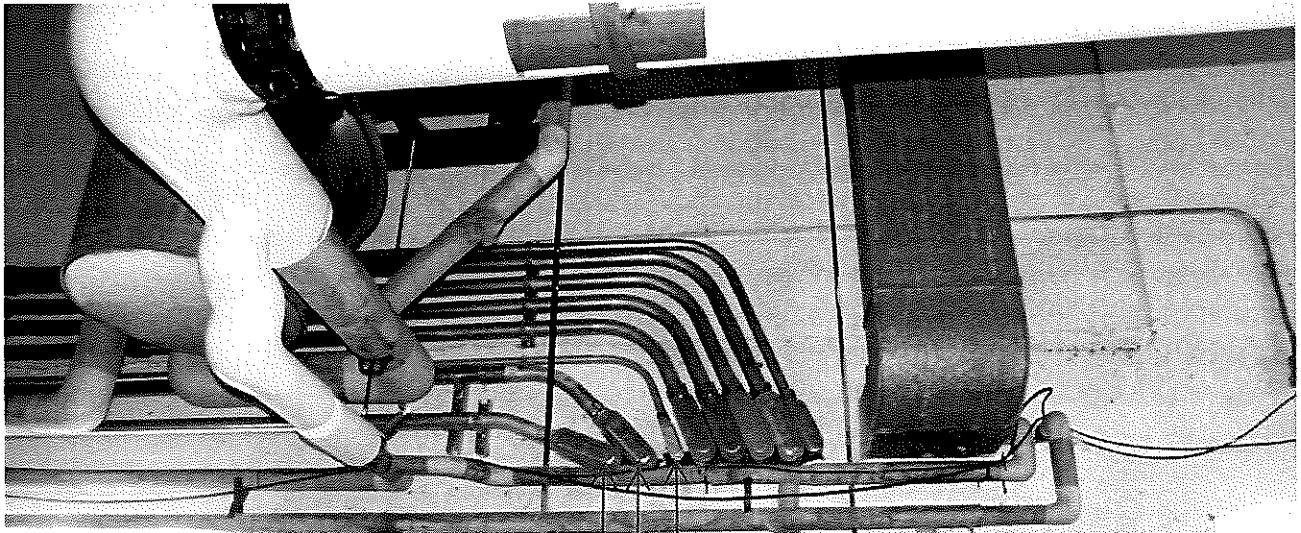
New Conduit Run to Equipment on Roof



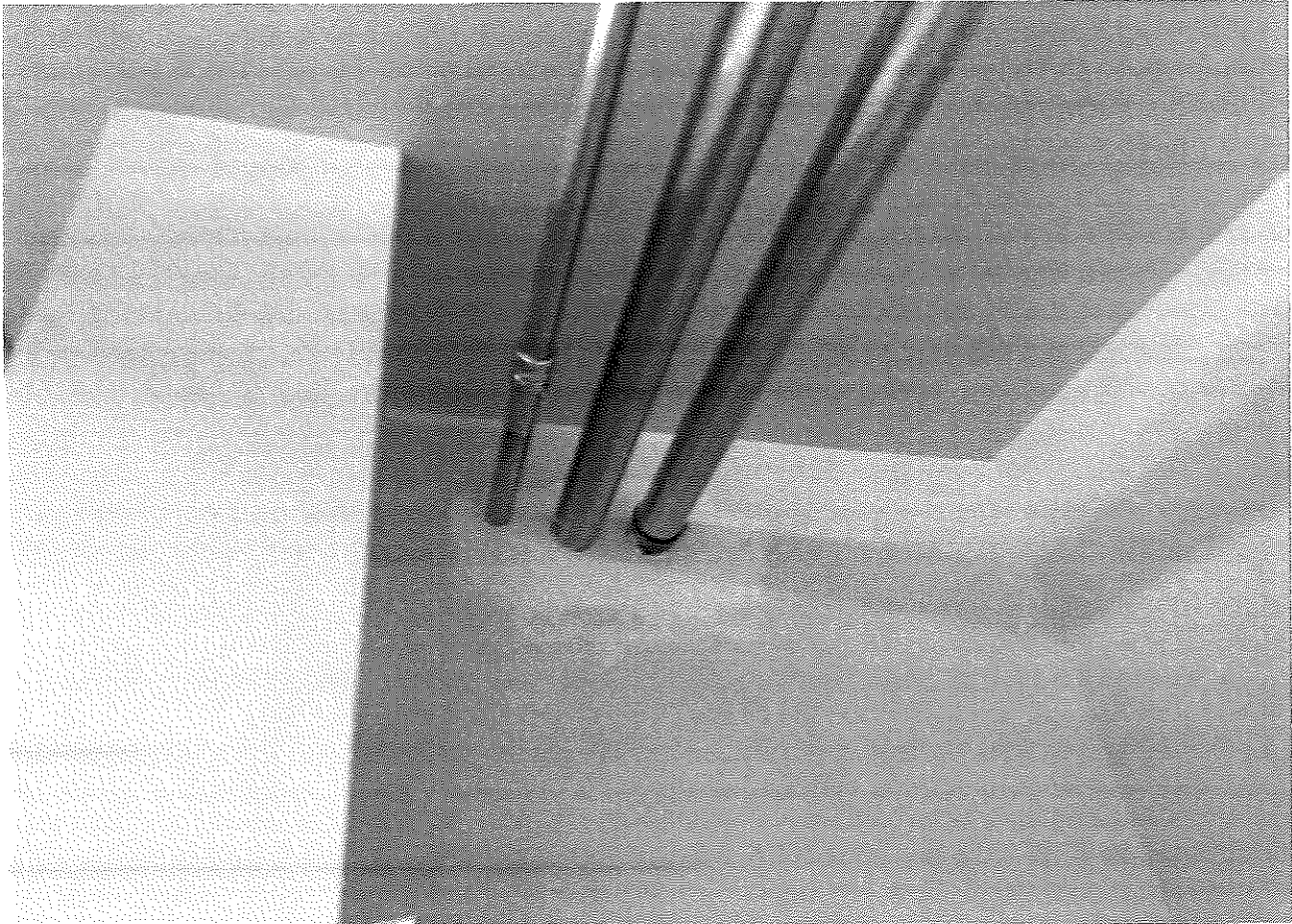
New Conduit Run (Continued)



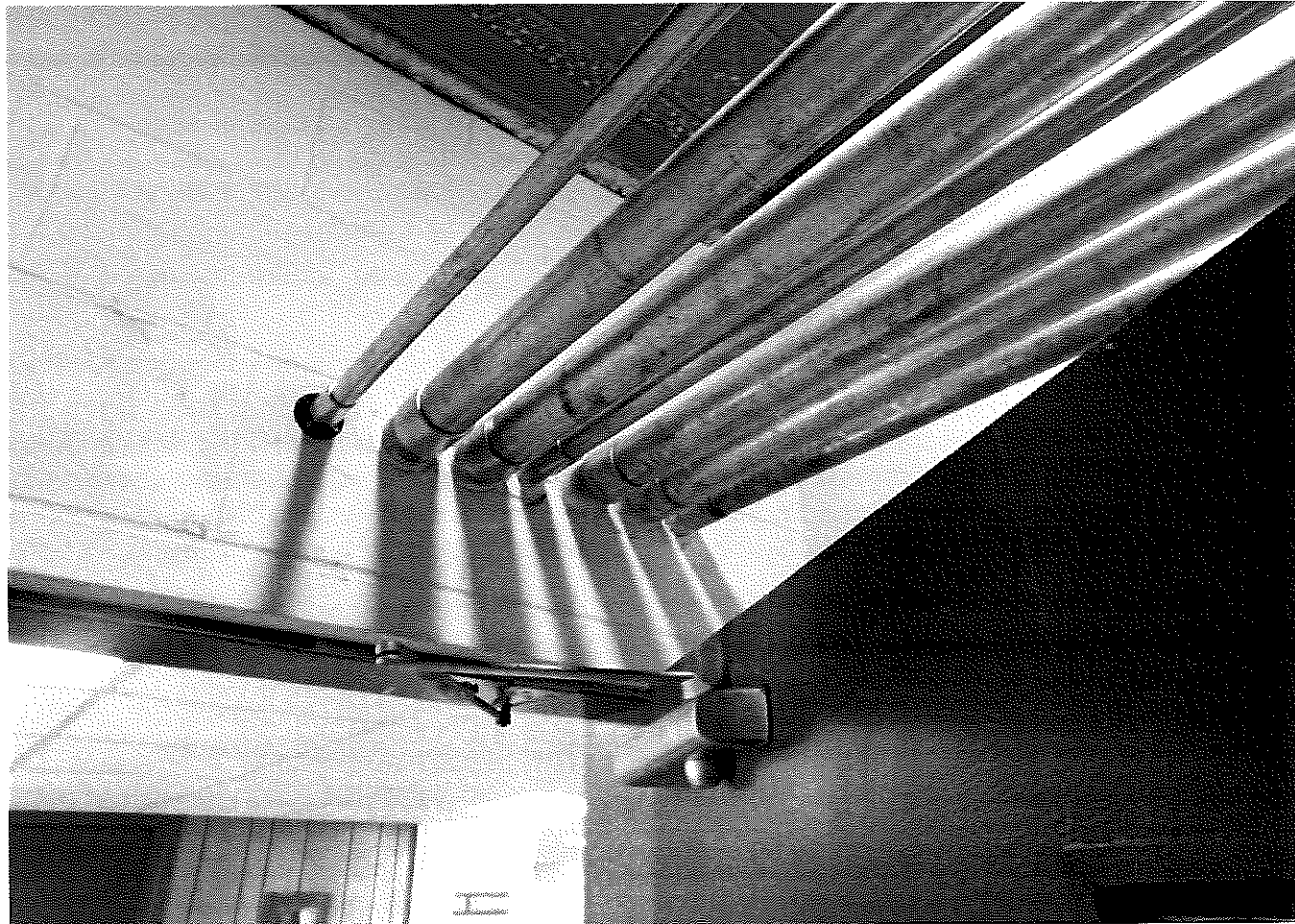
New Conduit Run (Continued)



New Conduit Run (Continued)



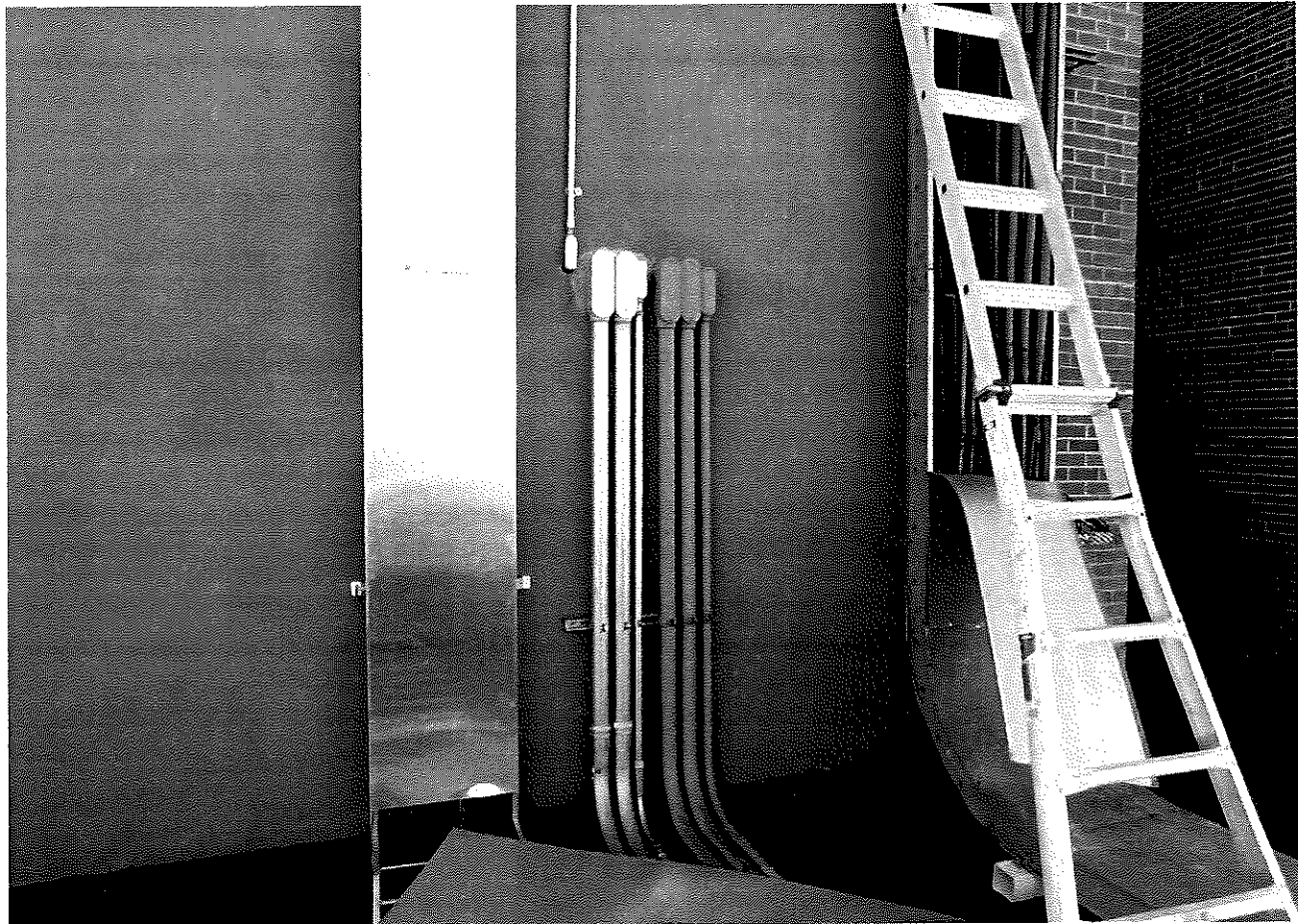
New Conduit Run (Continued)



New Conduit Run (Continued)



New Conduit Run (Continued)



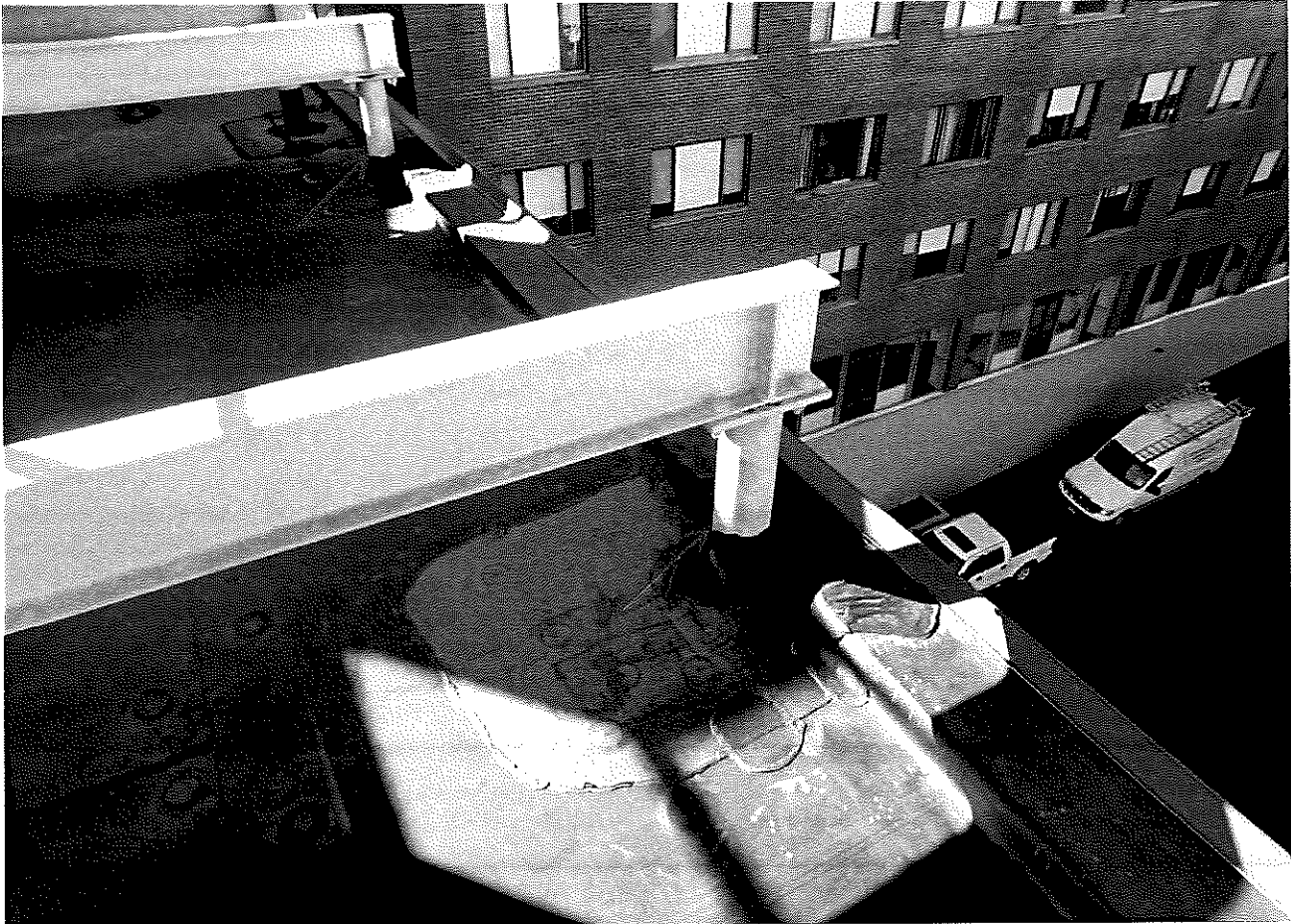
New Conduit Run (Final)



New Equipment Frame



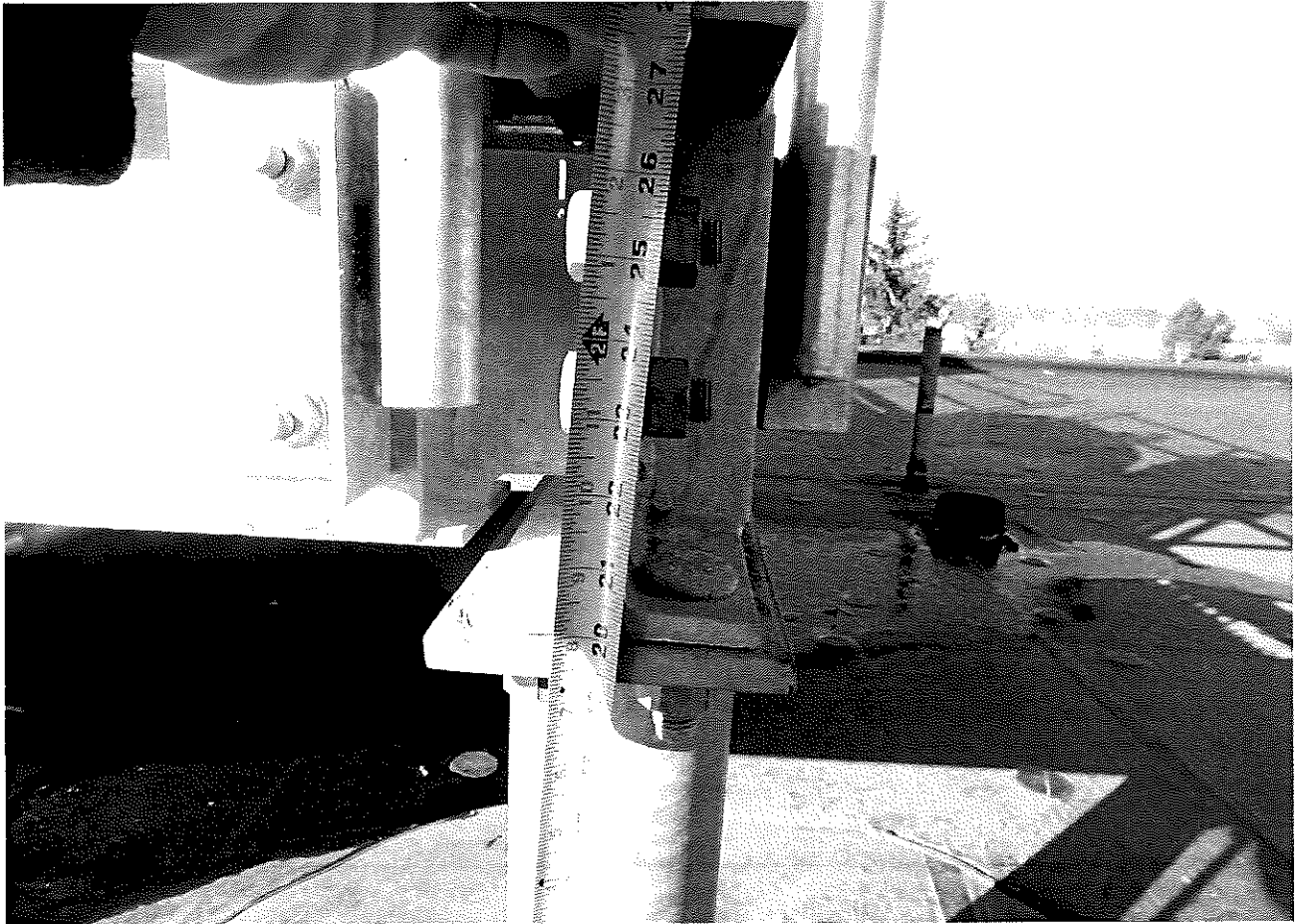
New Equipment Frame Support Beam



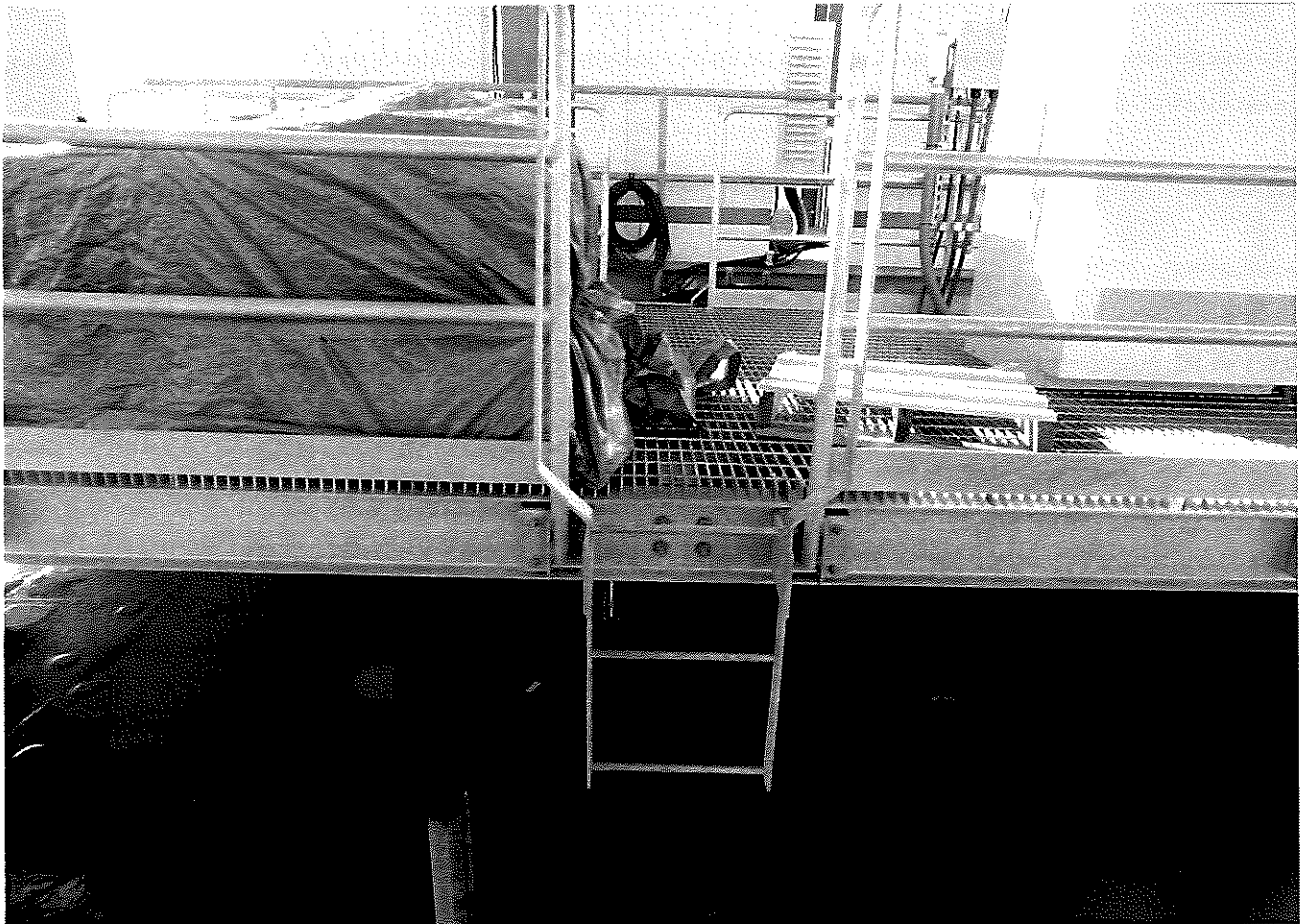
New Equipment Frame Down Posts



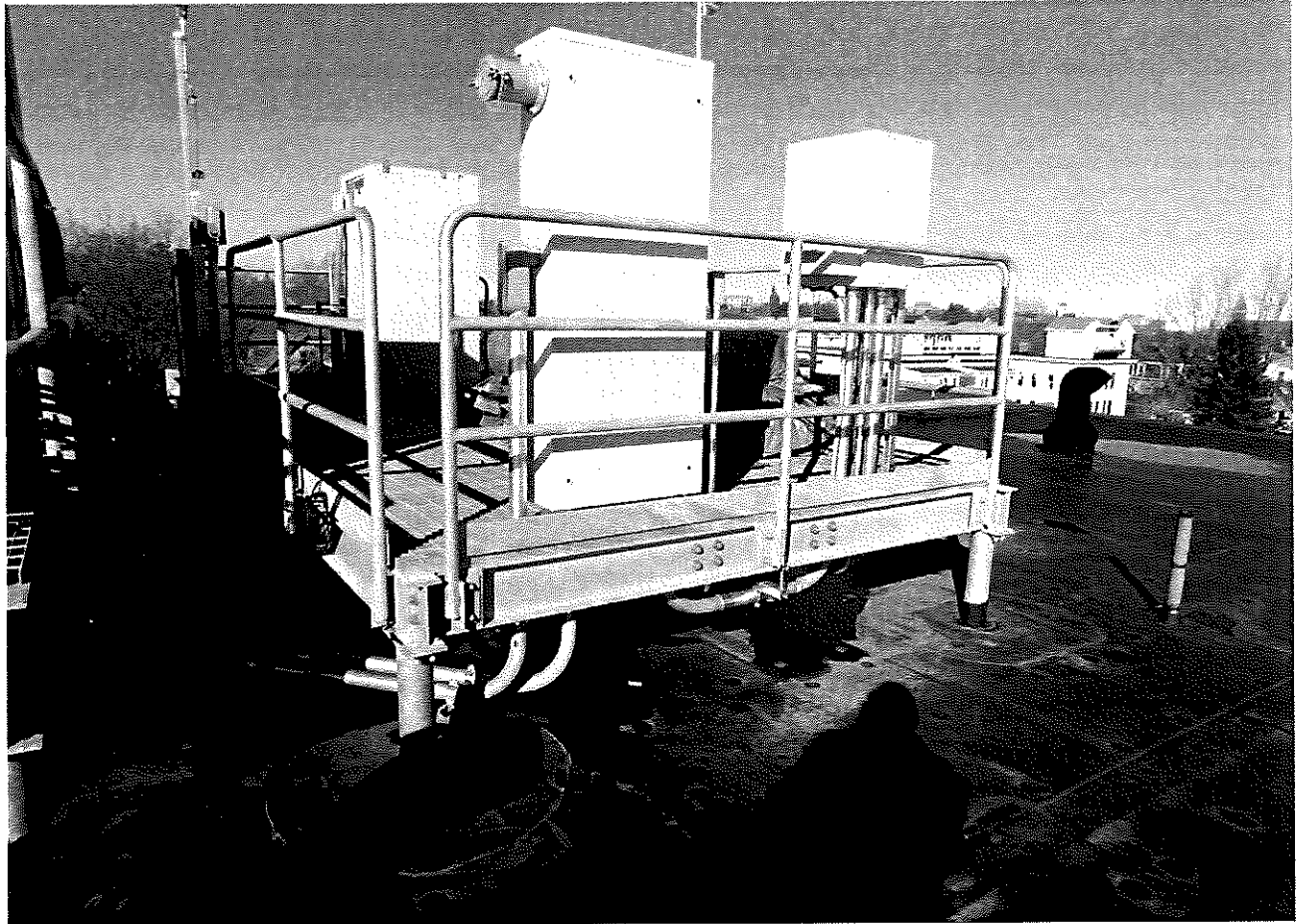
New Equipment Frame Post Downs



New Post Down Mounting



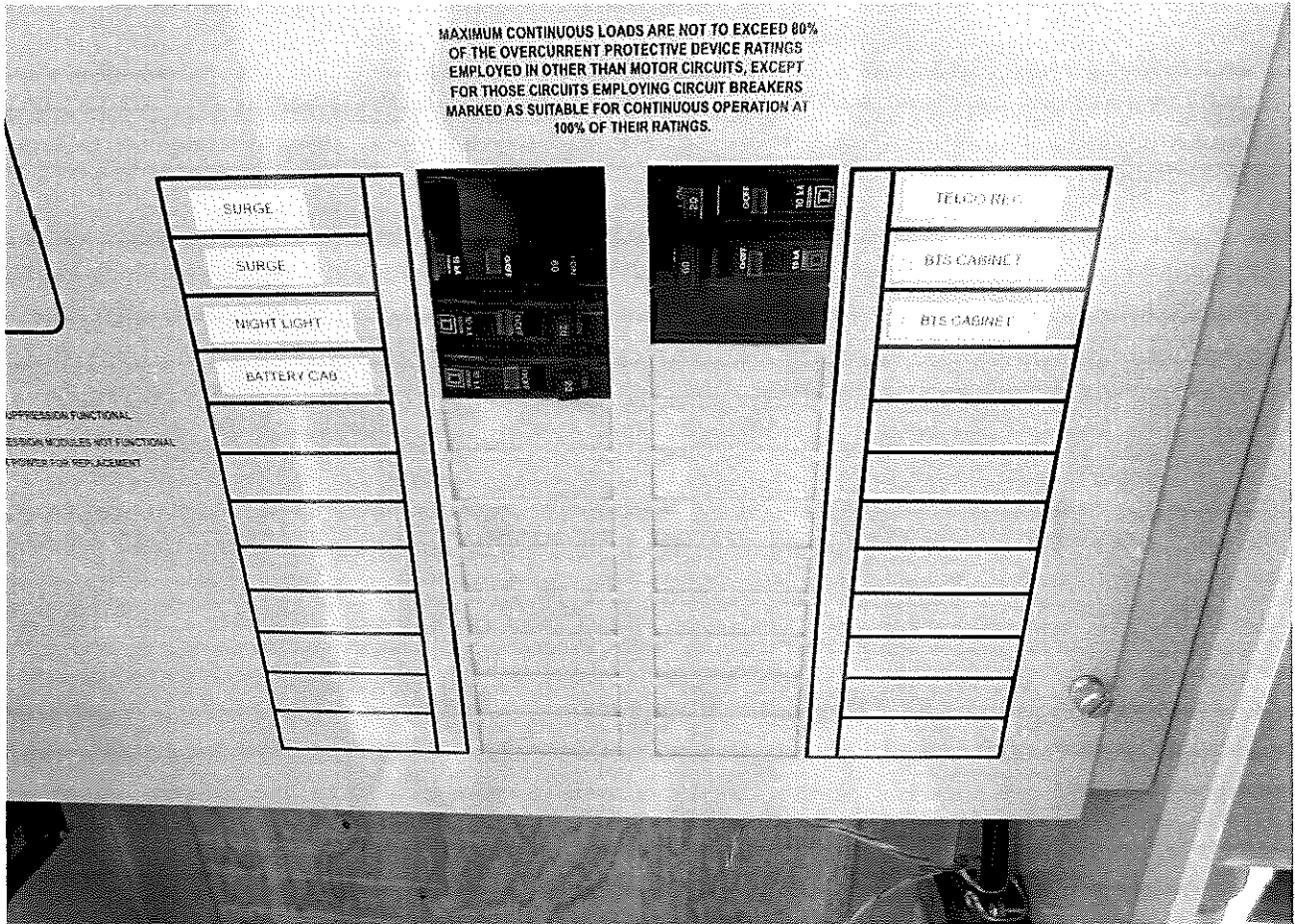
New Equipment Frame Ladder



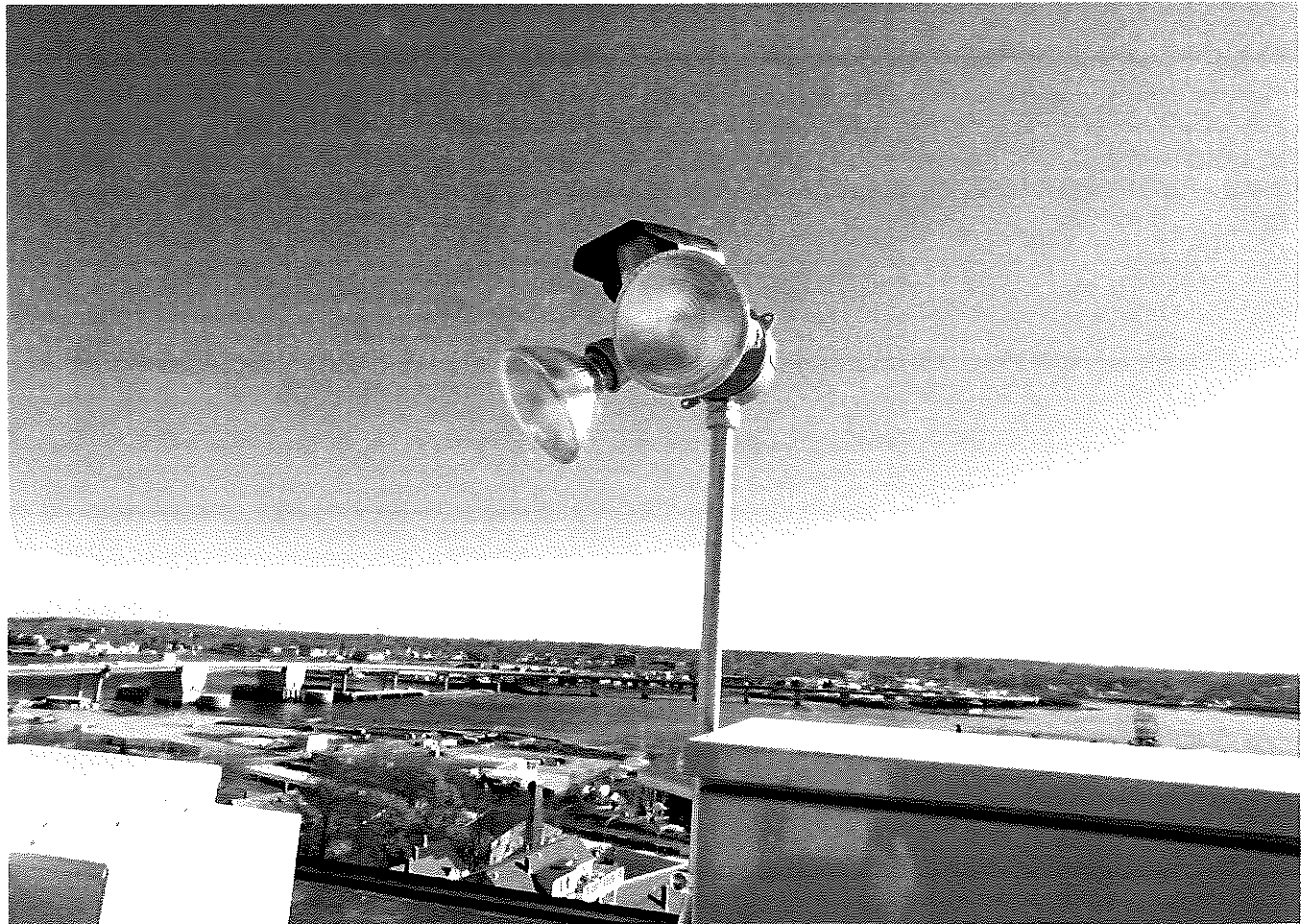
New Equipment on New Equipment Frame



New PPC Mounted on New Equipment Frame



New Breakers in New PPC





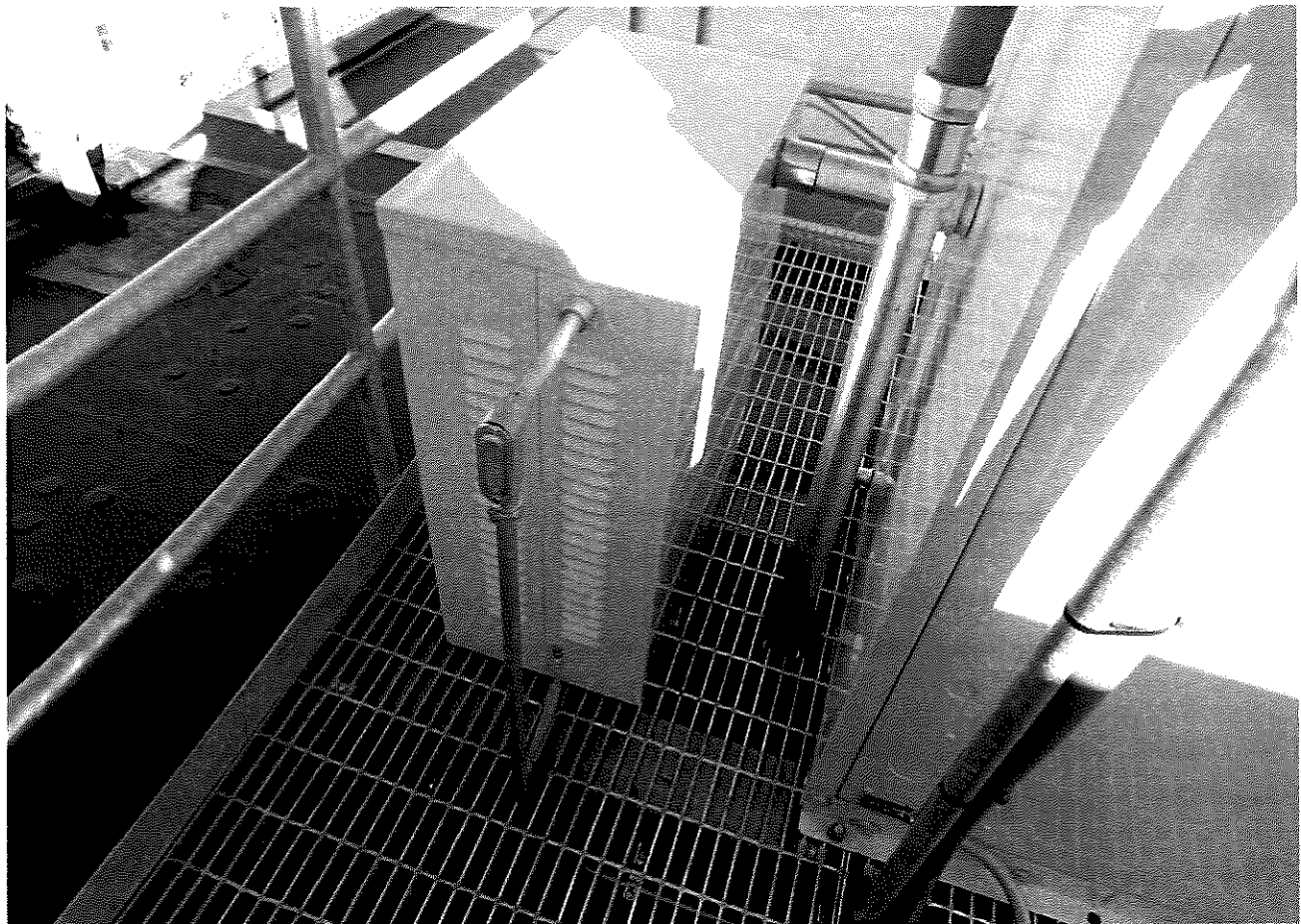
New GPS Antenna



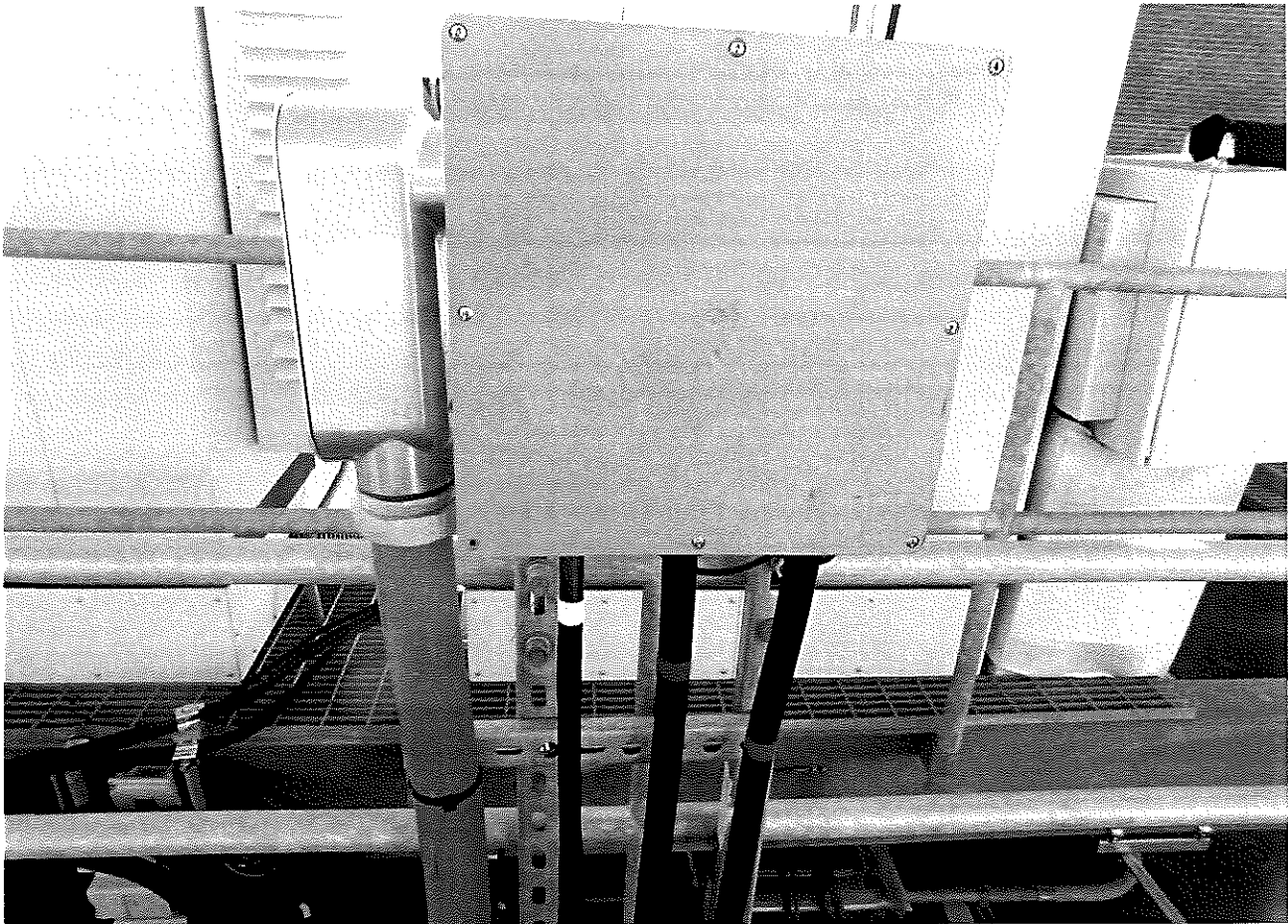
New RAC24 Cabinet



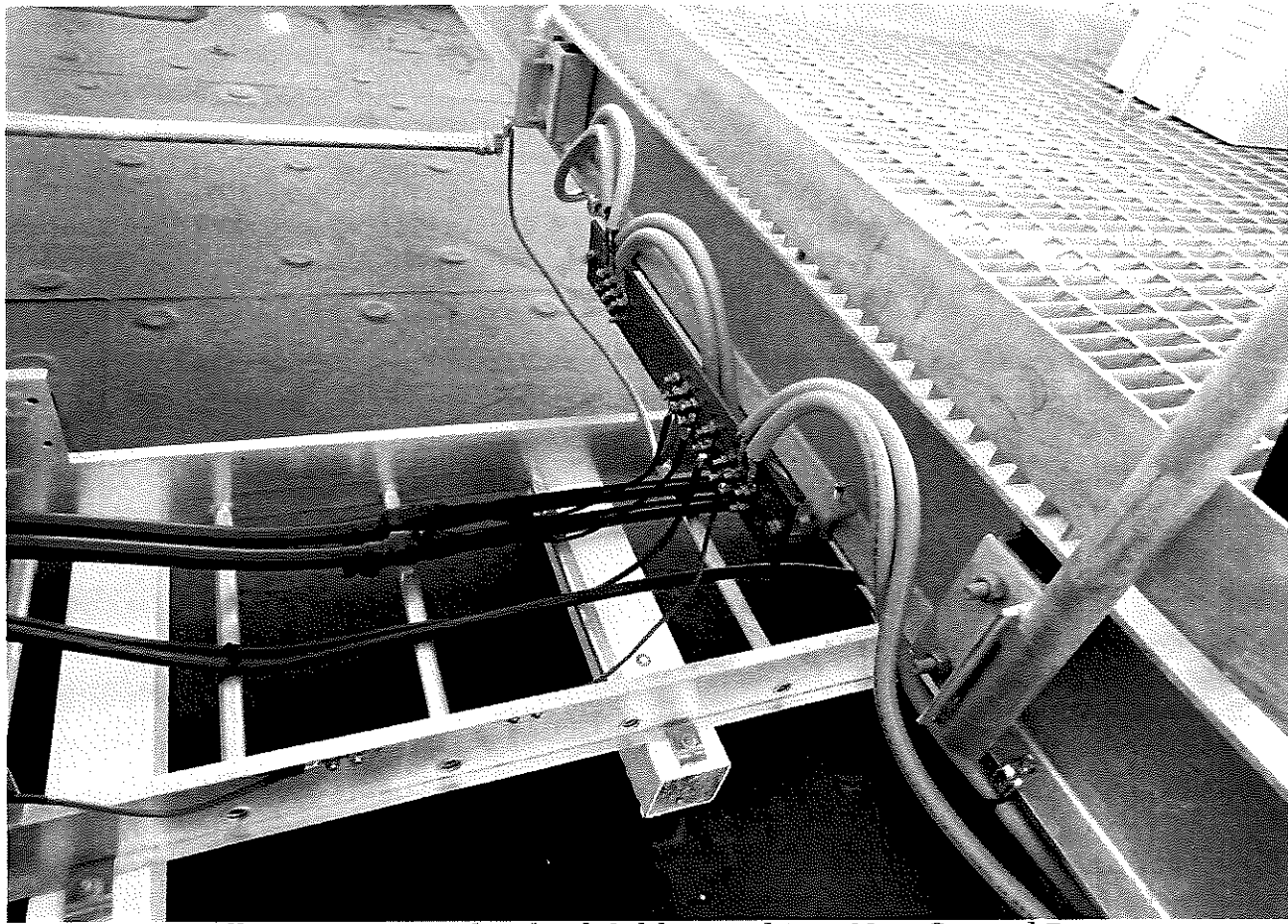
New RBS 6102



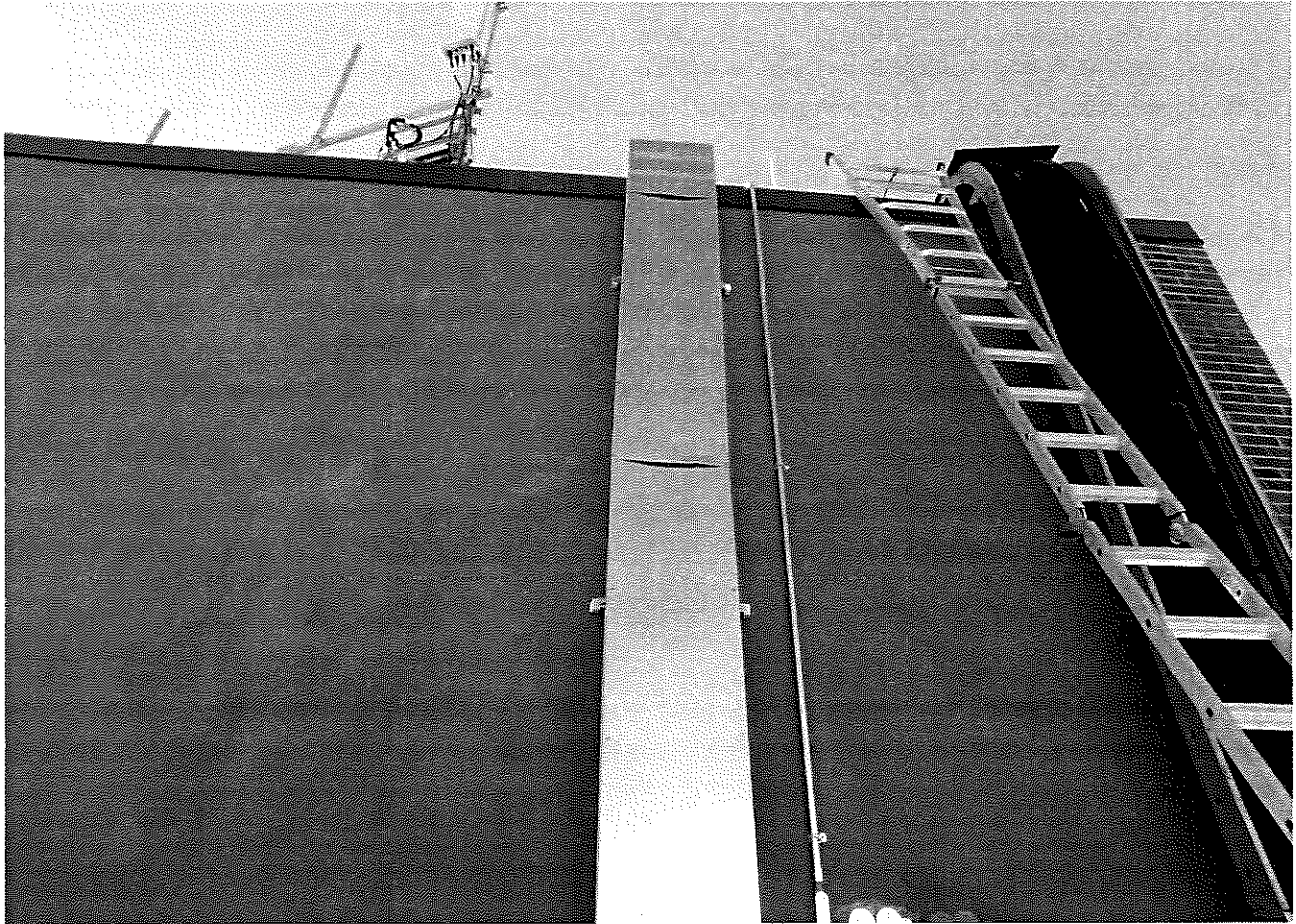
New Battery Back-up Box



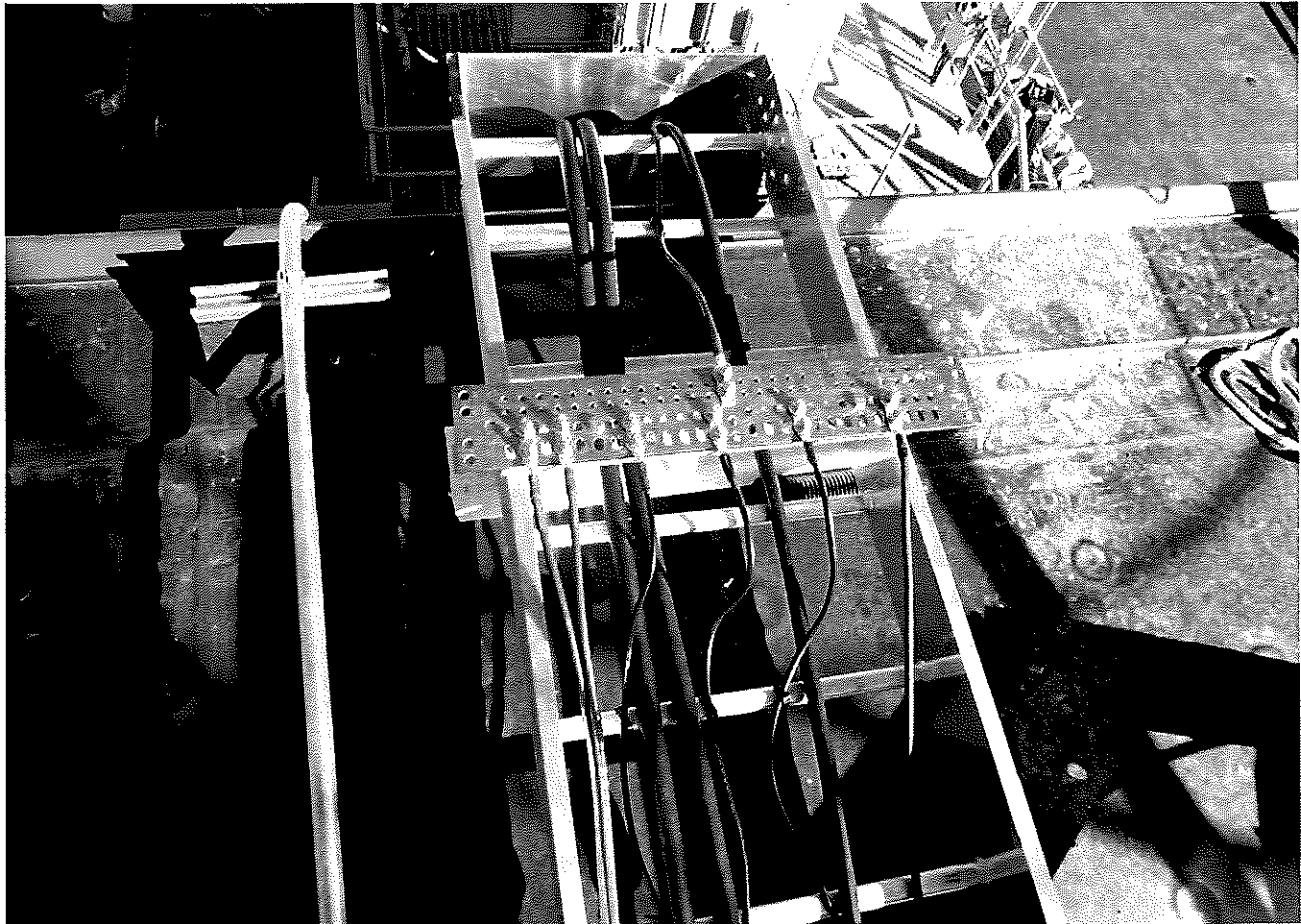
New Coax Distribution Box



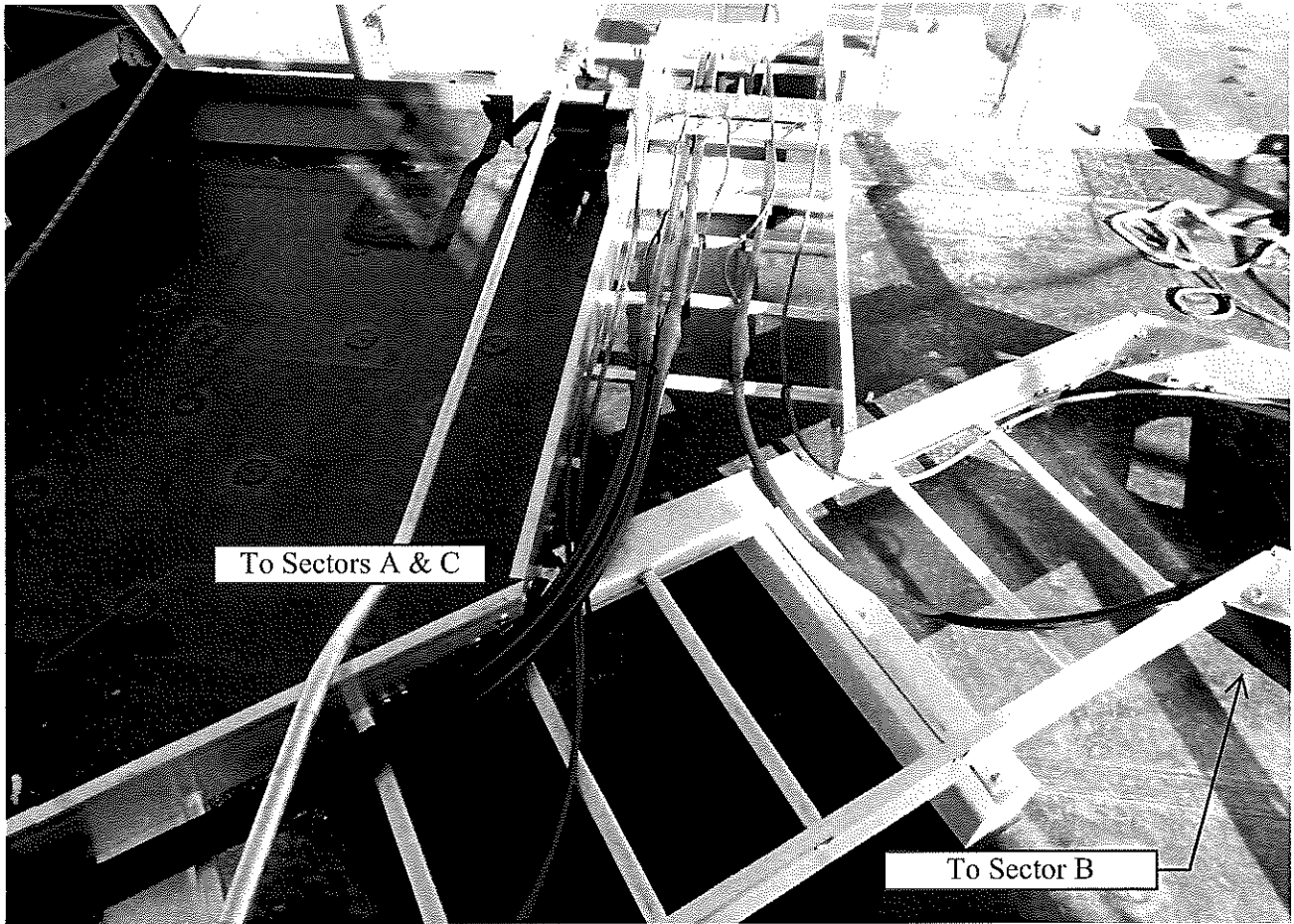
All Equipment and Hybrid Cables Tied into New Ground Bar



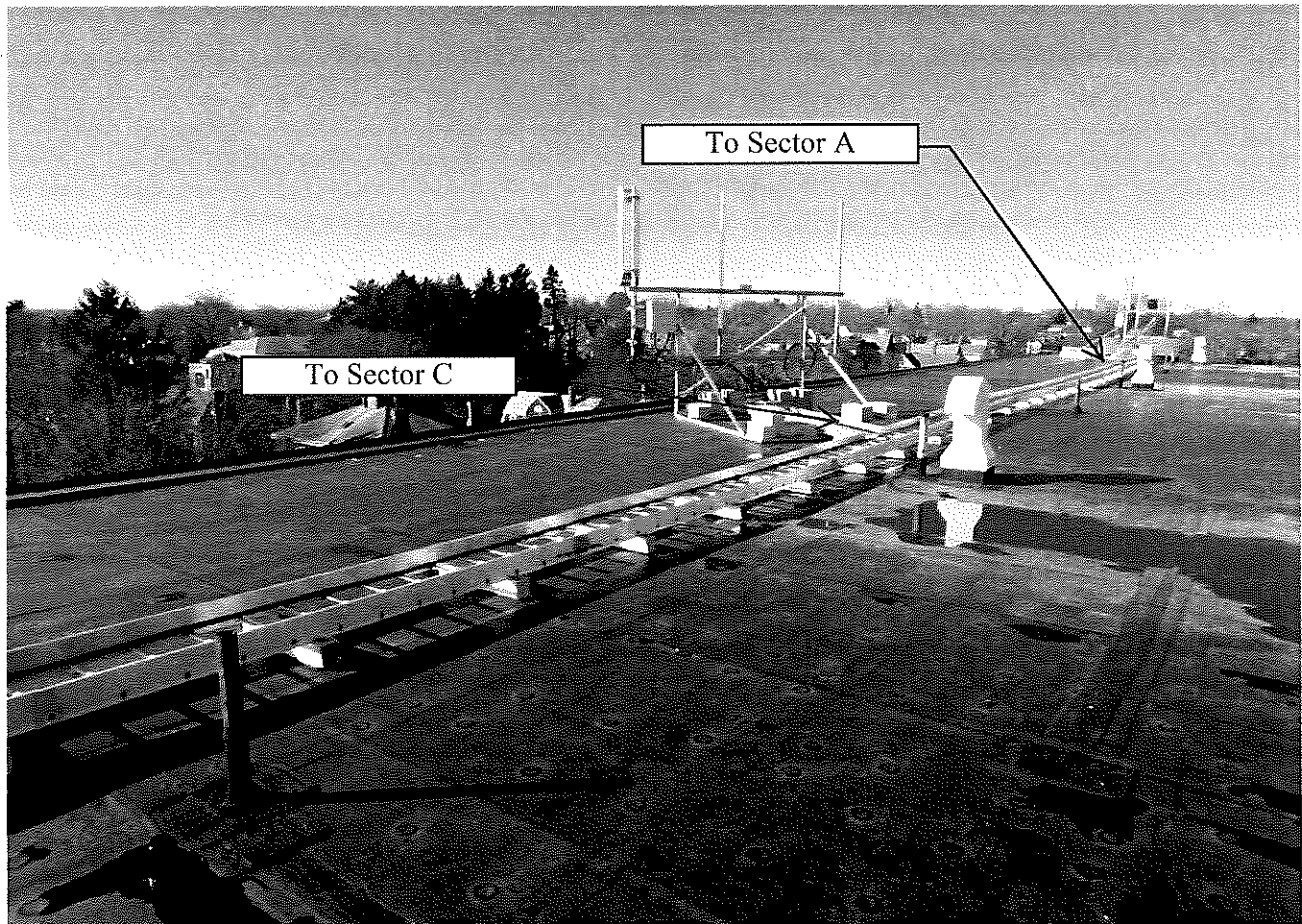
New Vertical Cable Tray Running from New Equipment Frame



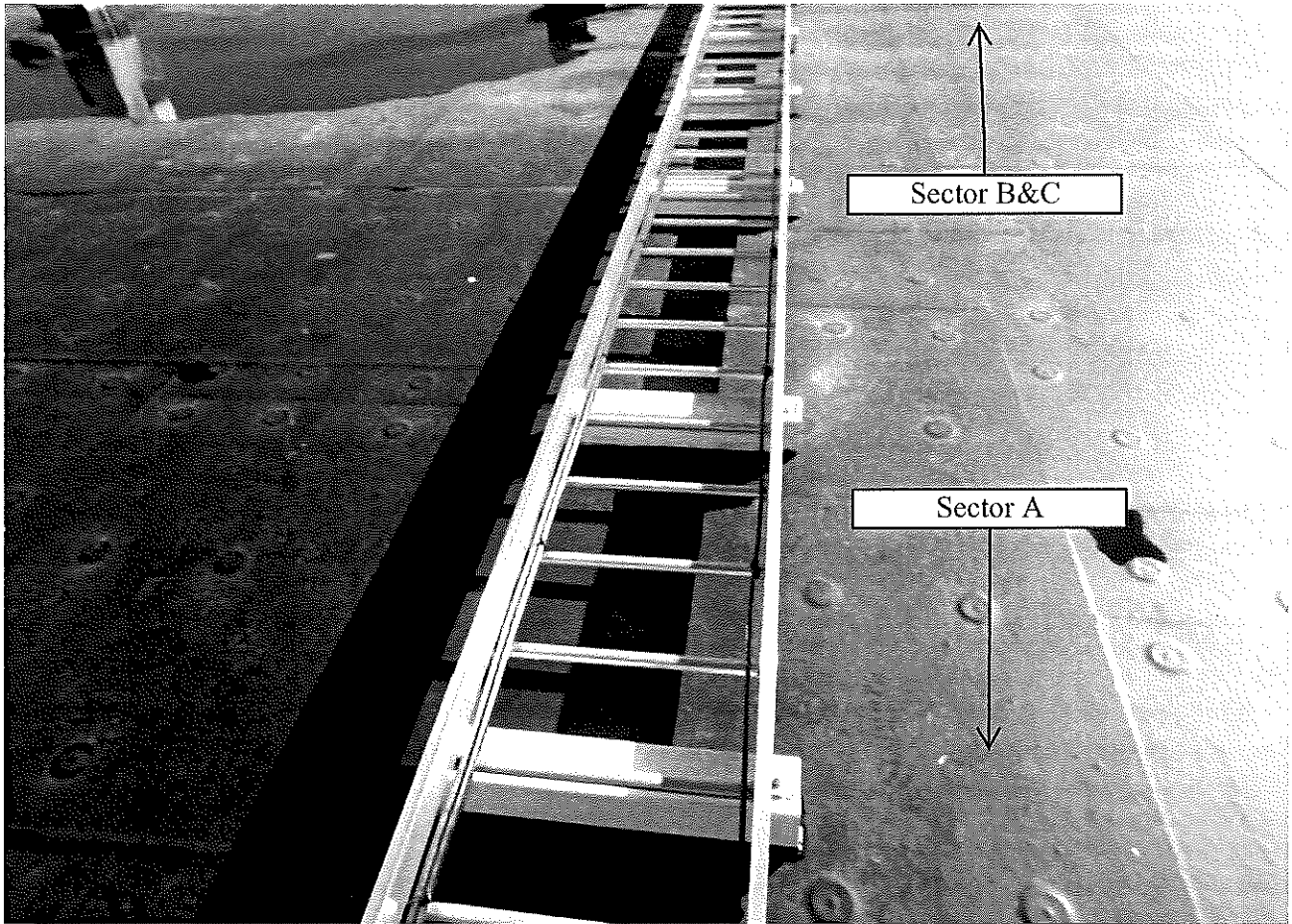
New Hybrid Cables Tied into New Ground Bar



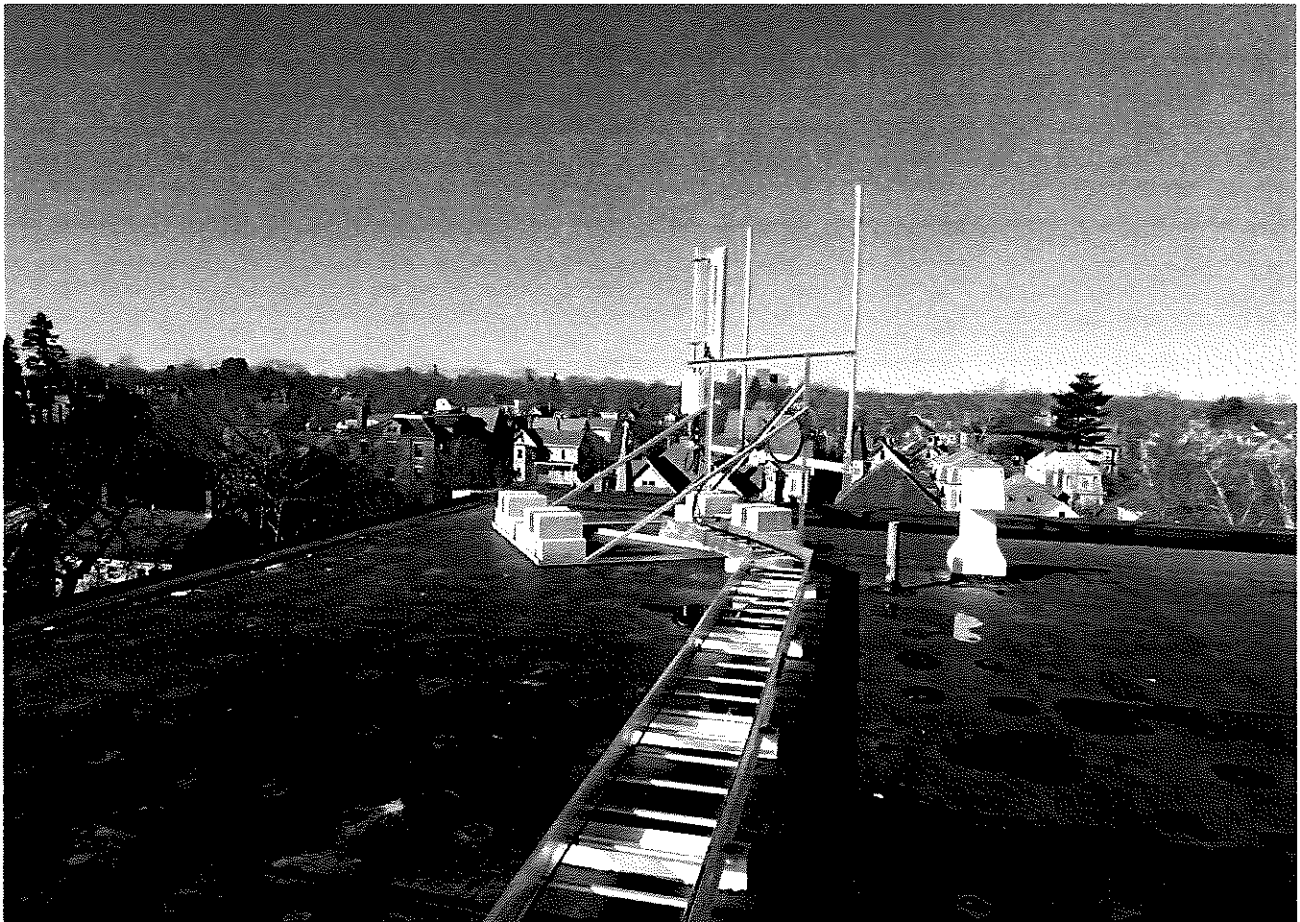
New Roof Top Cable Trays



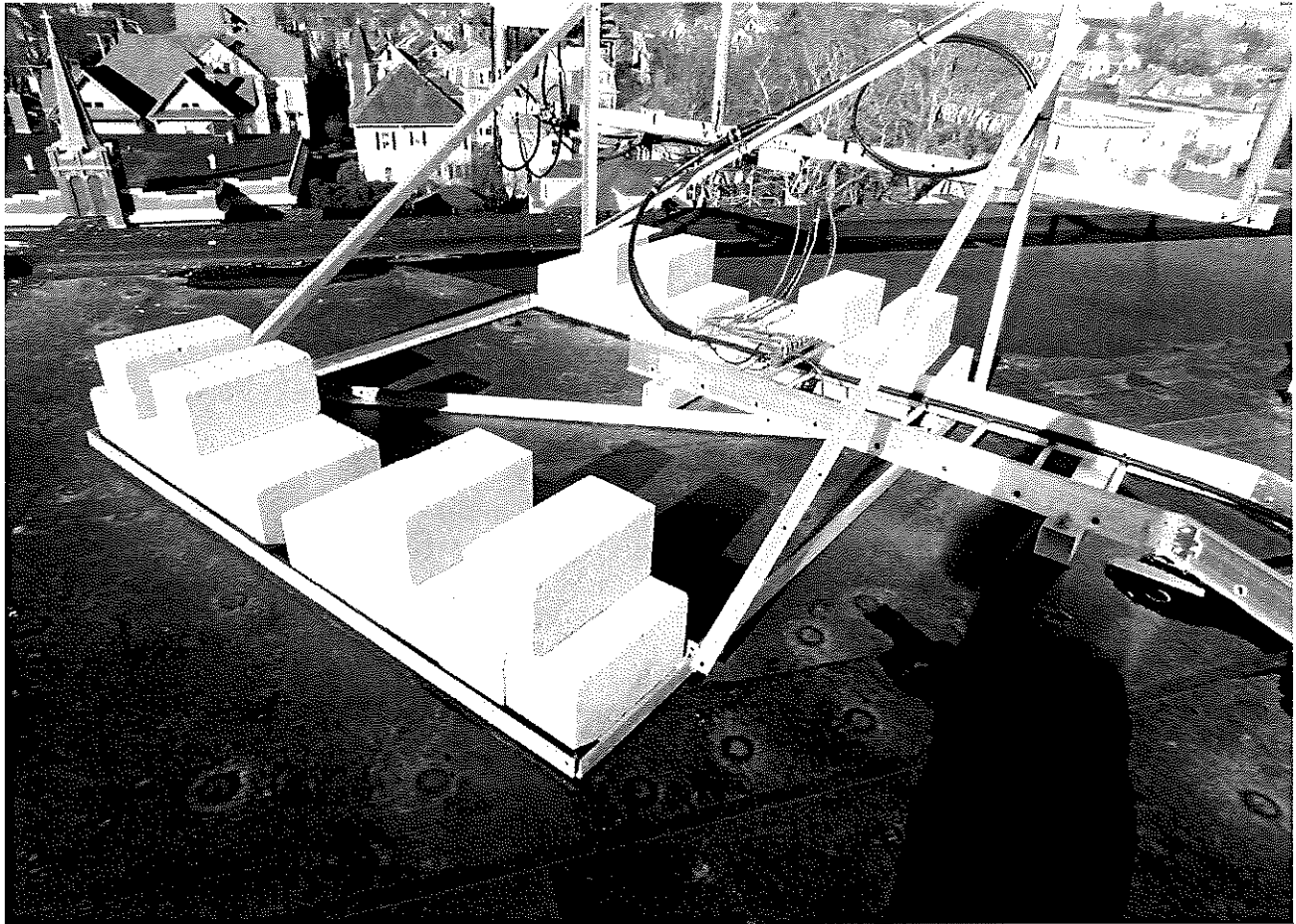
New Roof Top Cable Trays (Continued)



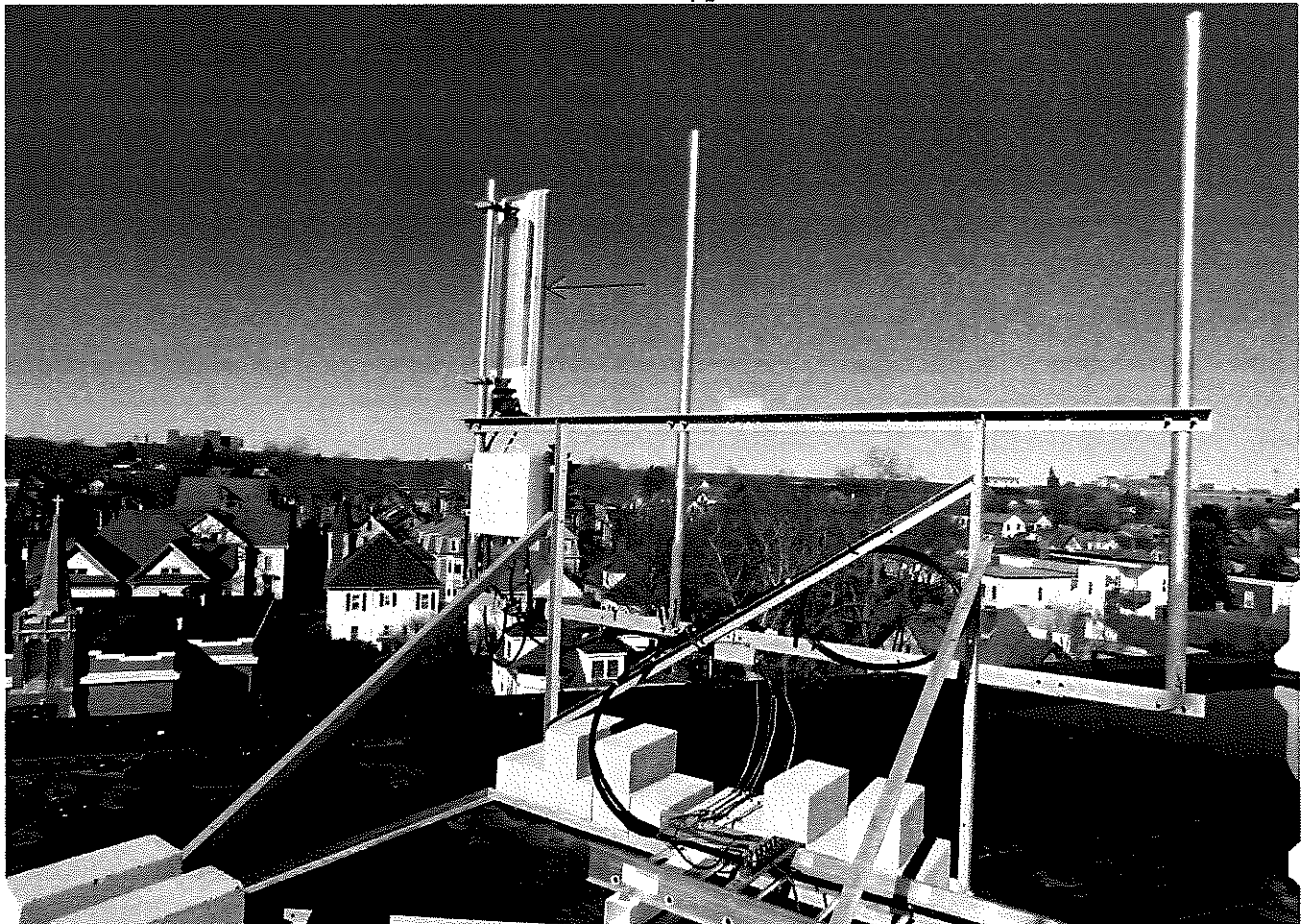
New Roof Top Cable Trays (Continued)



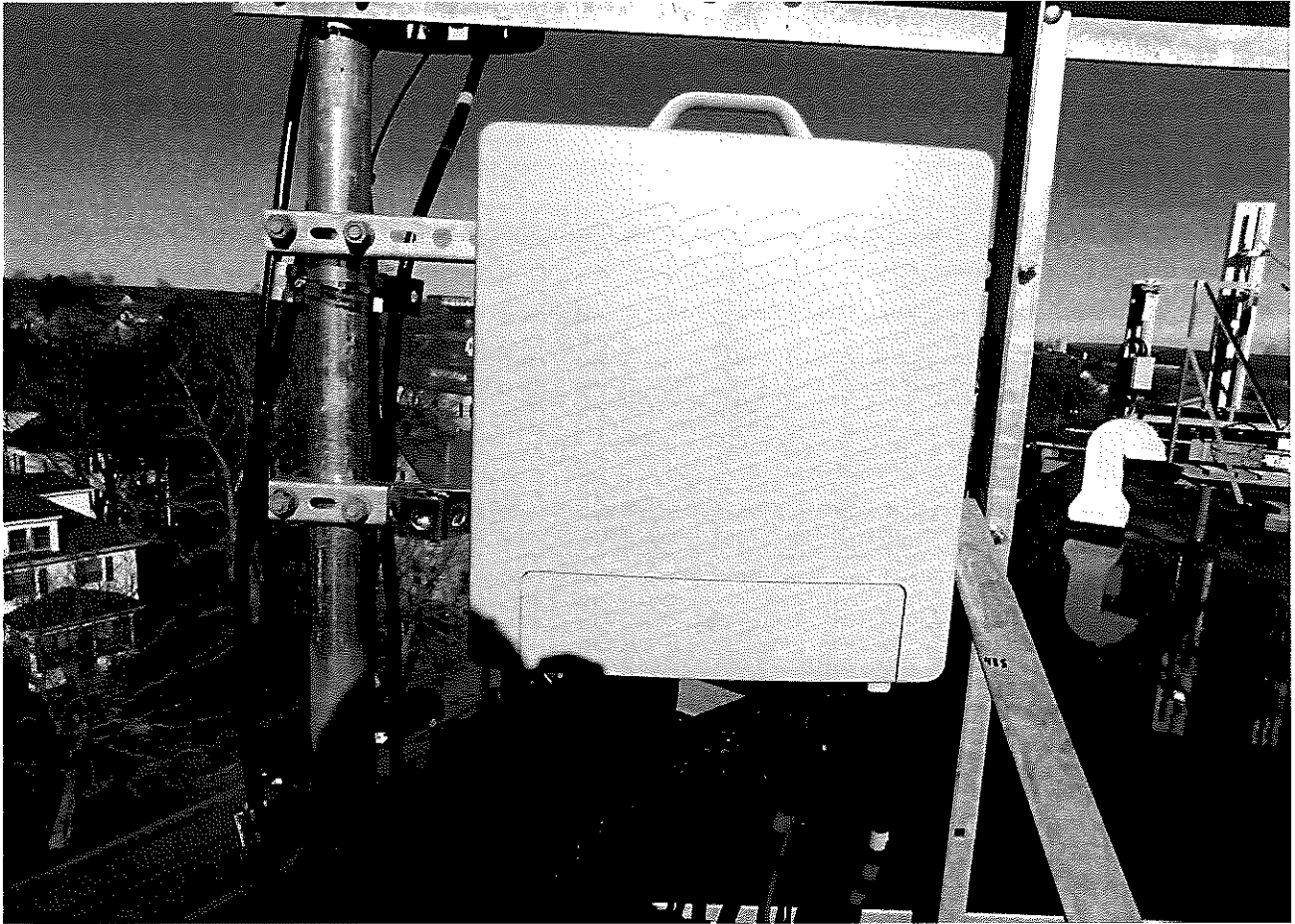
Final New Roof Top Cable Tray at Sector A



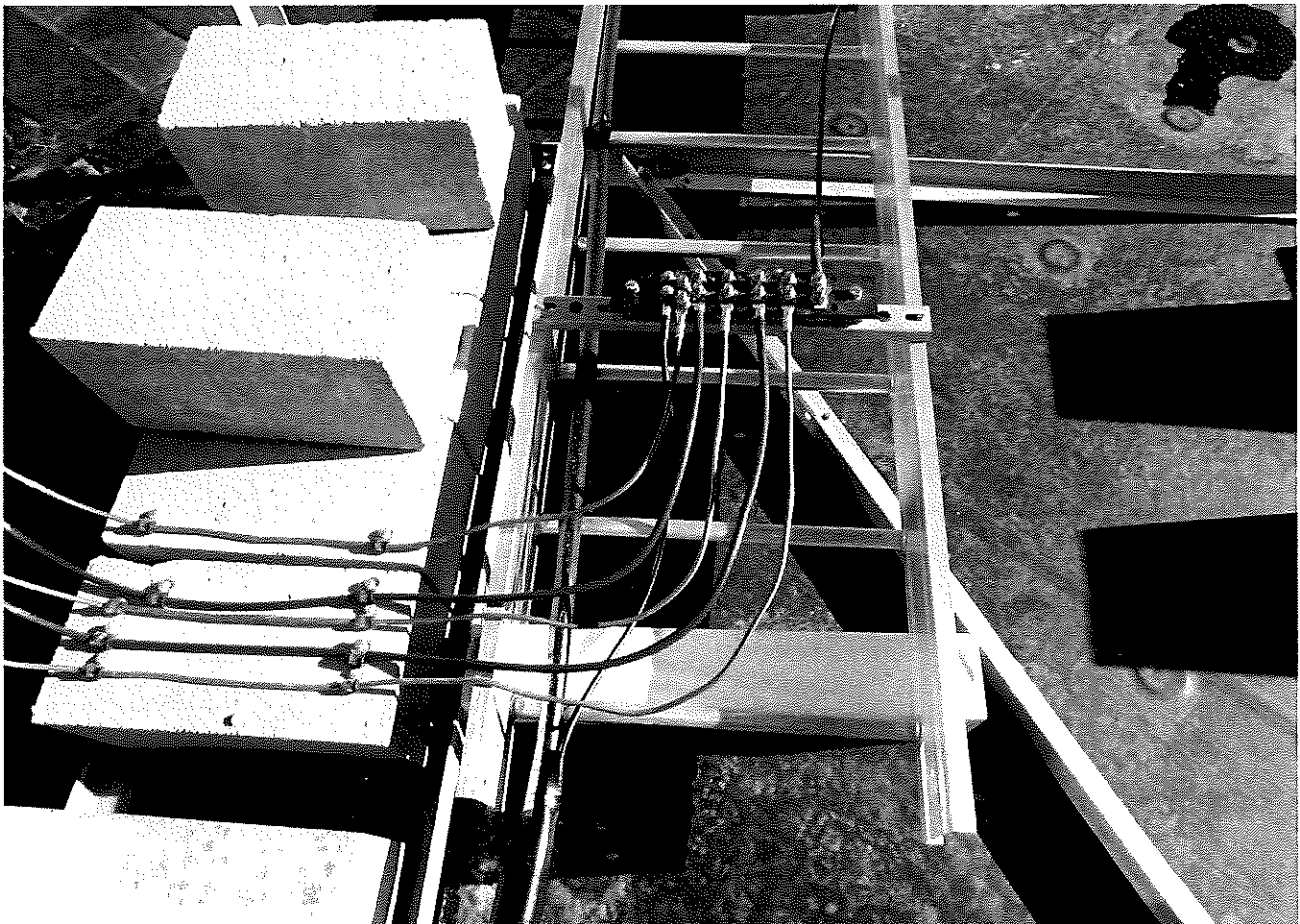
New Ballast Mounts Typical Per Sector



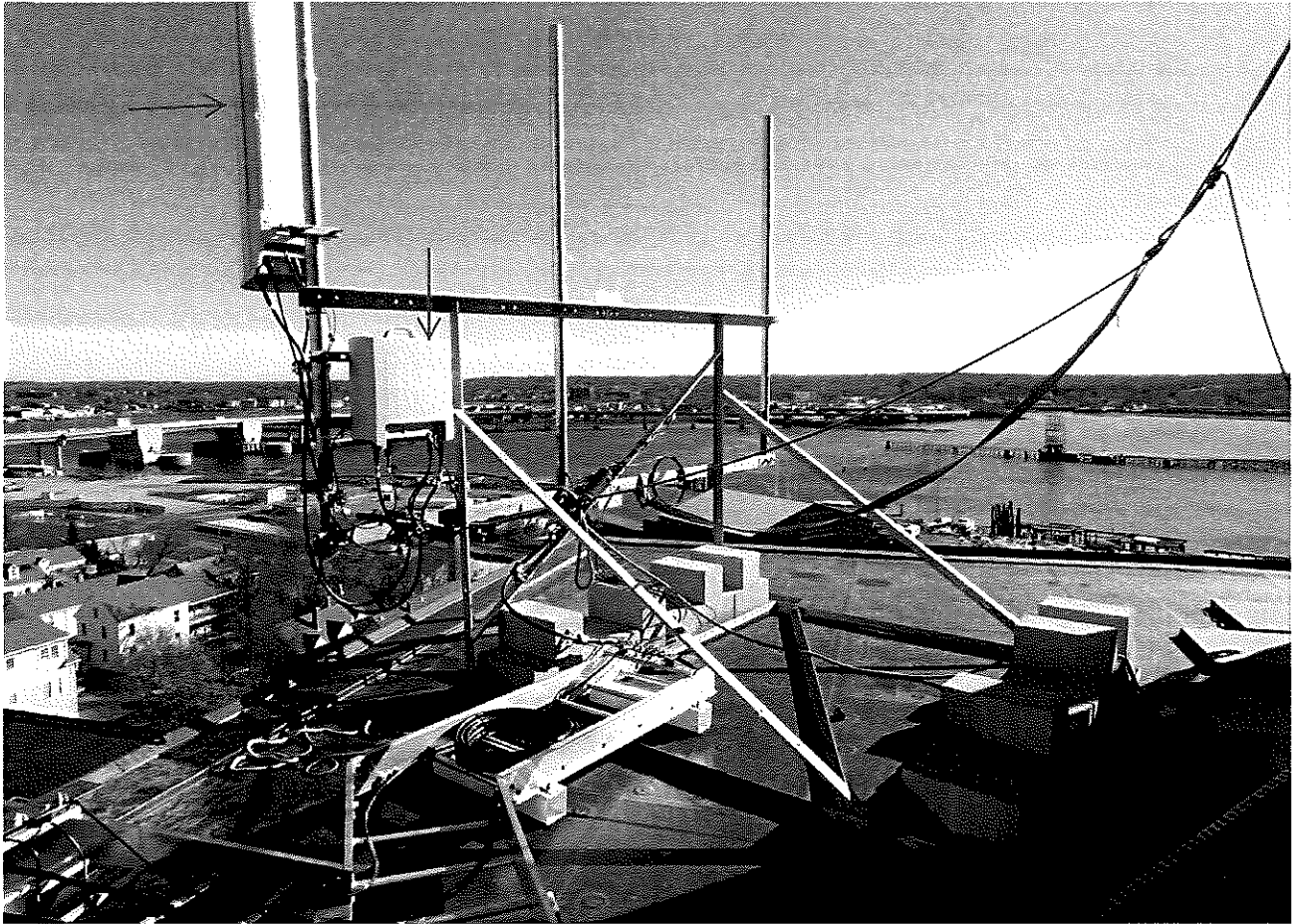
New Antenna & RRU Mounted at Sector A



Close Up of RRU Mounted at Sector A



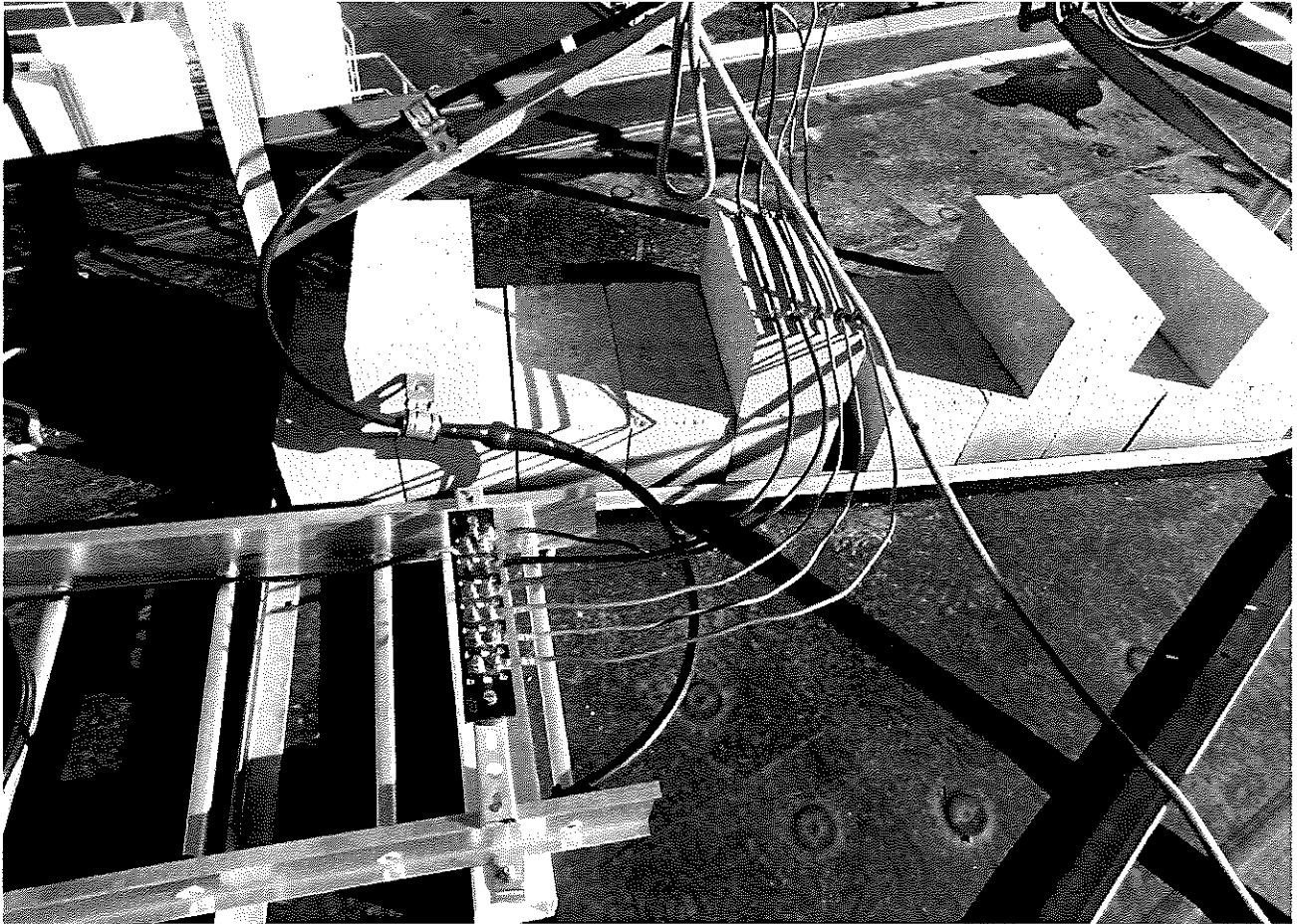
Sector A New Antenna & RRU Tied into New Ground Bar



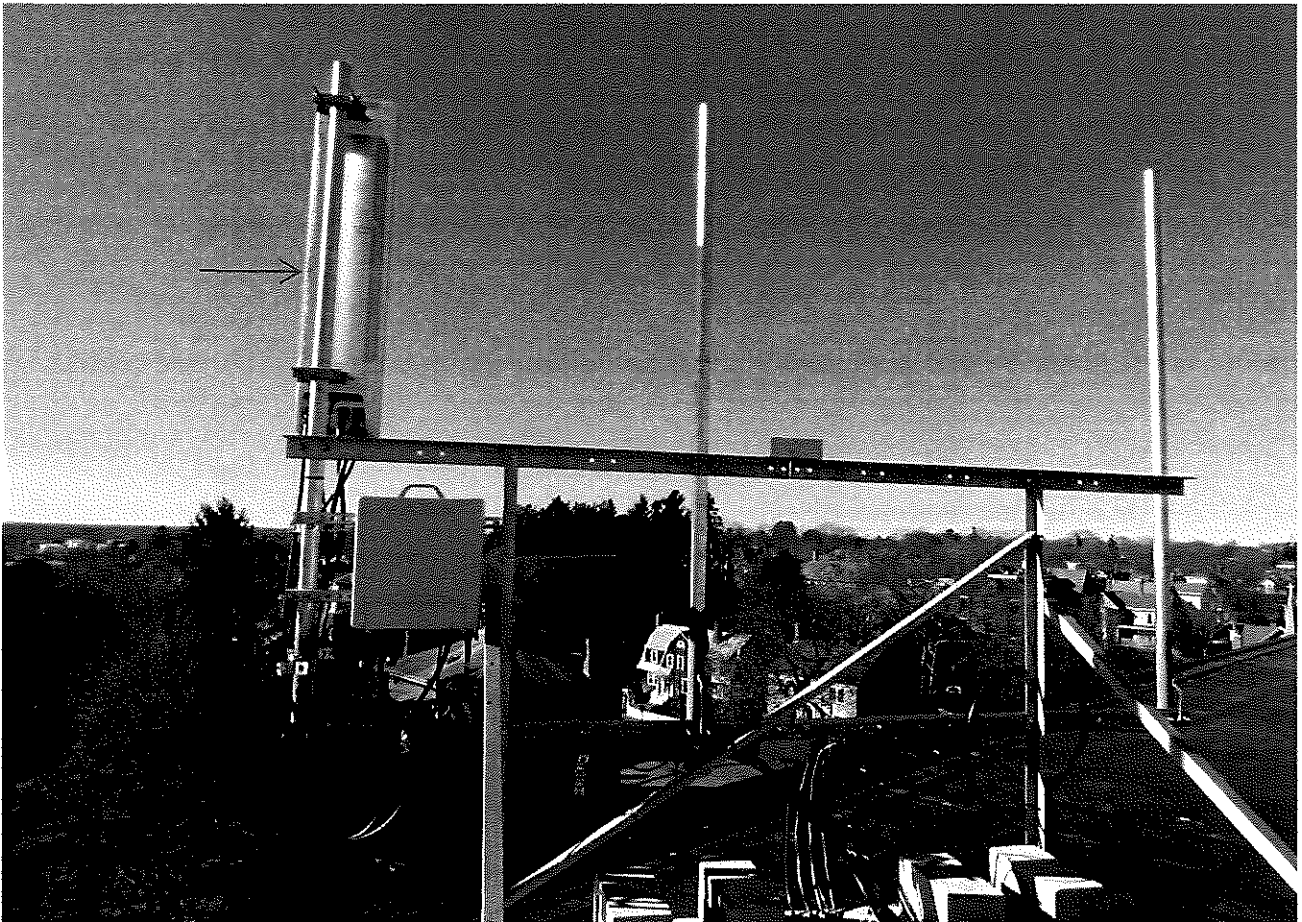
New Antenna & RRU Mounted at Sector B



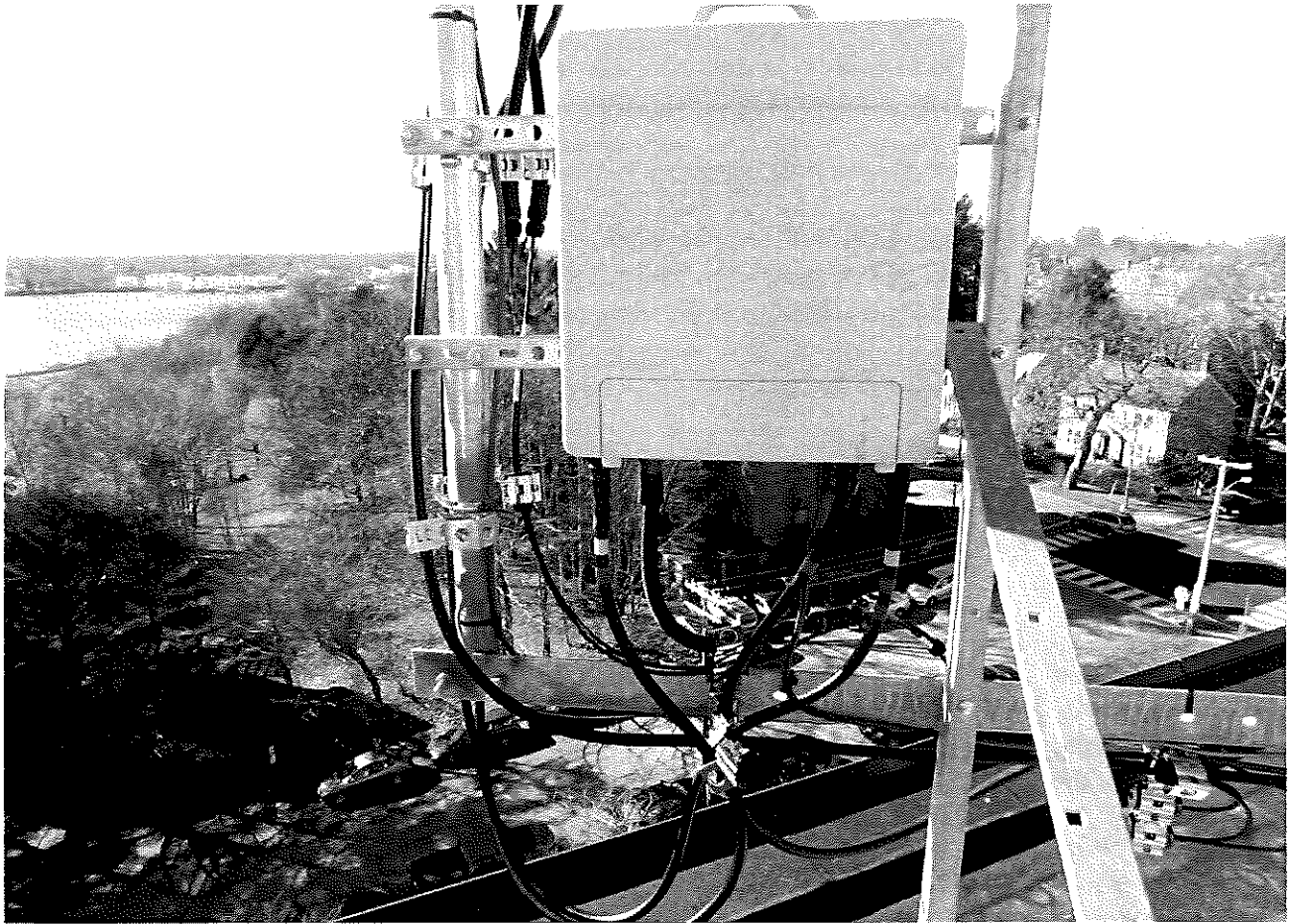
Close Up of RRU Mounted at Sector B



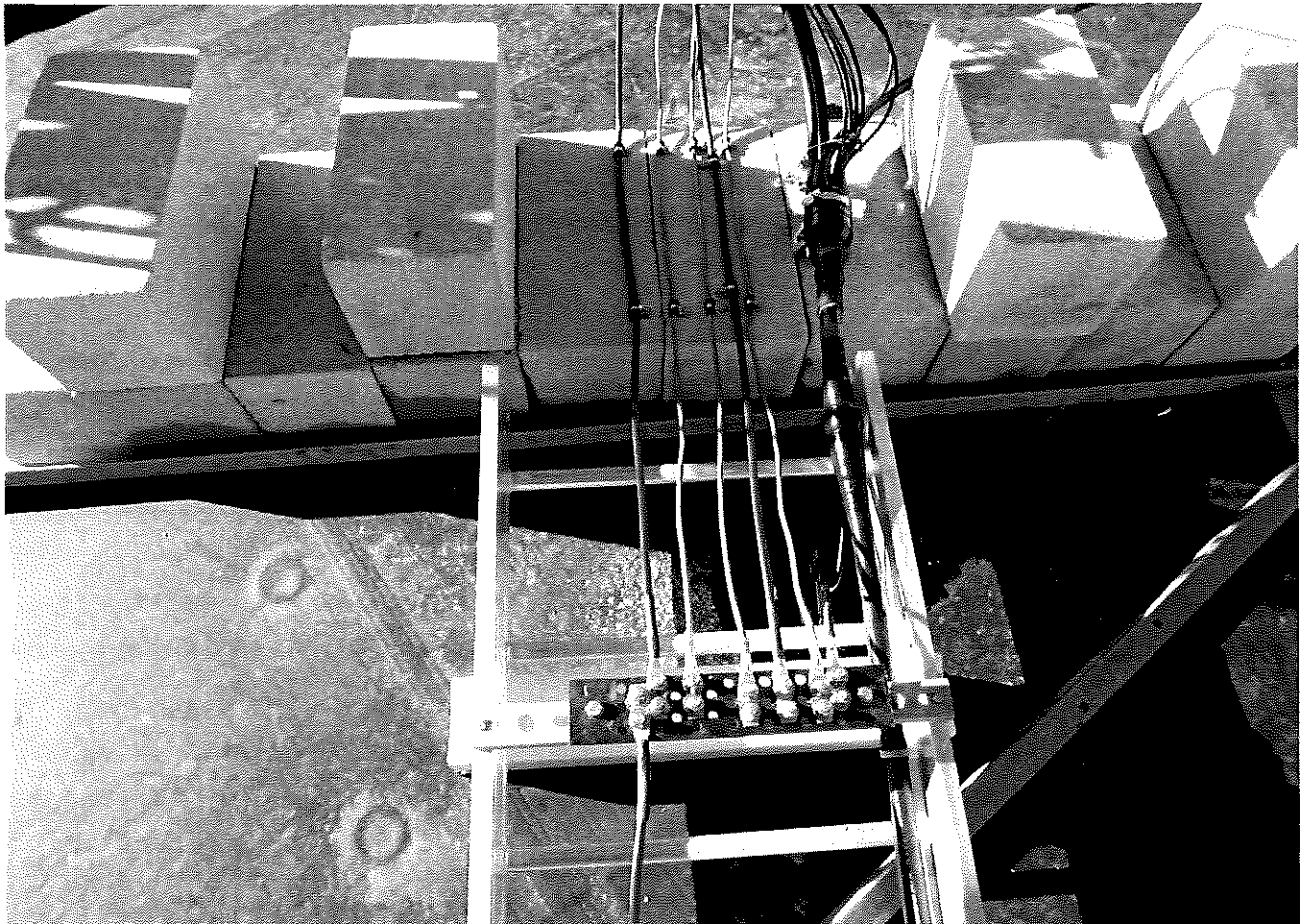
Sector B New Antenna & RRU Tied into New Ground Bar



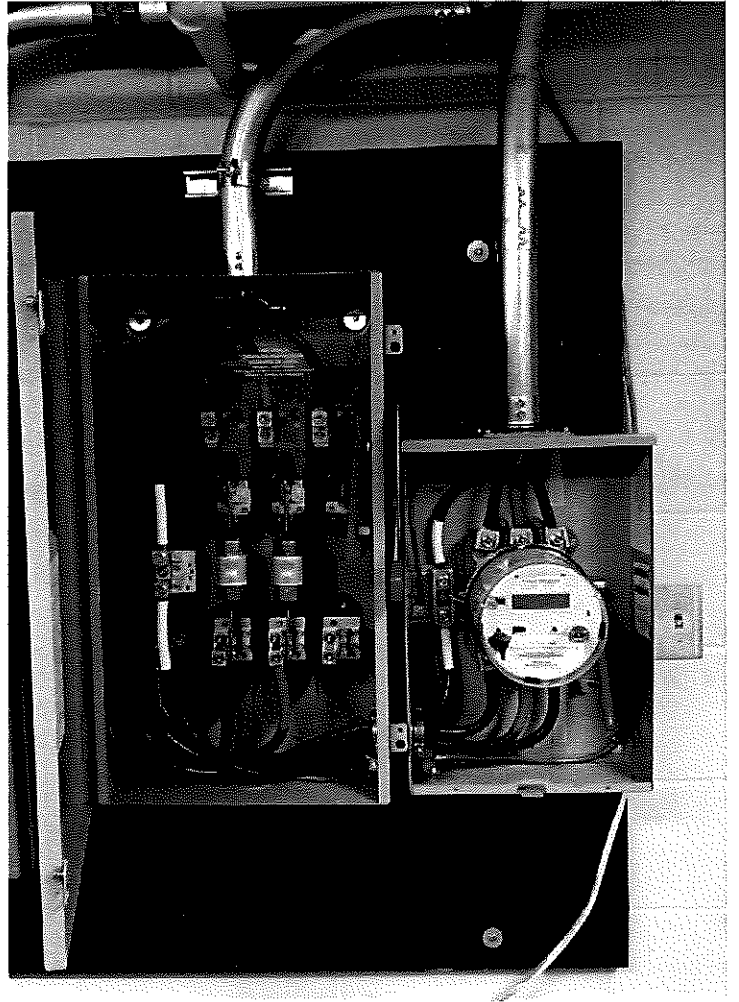
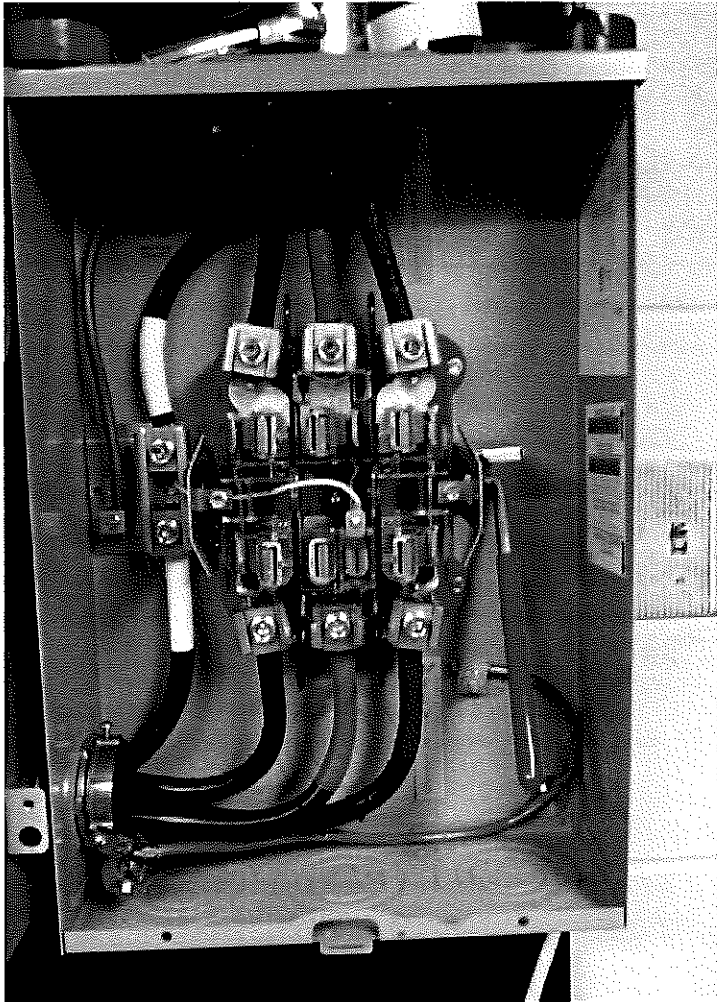
New Antenna & RRU Mounted at Sector C



Close Up of RRU Mounted at Sector C



Sector C New Antenna & RRU Tied into New Ground Bar



Existing 100A Disconnect Upgraded to 200A