

**JOEL RAPHAEL ARCHITECTURE PC**  
**A R C H I T E C T S**  
95 ELM ST HARTFORD, CT 06106

March 31, 2016

**Re: PROJECT SUMMARY**  
**KENEY MEMORIAL CLOCK TOWER**  
**Municipal/ Government Rehabilitation Project**

Hartford's Keney Memorial Clock Tower and the small park surrounding Forms a remarkable landmark at the entrance to the North Hartford residential neighborhood from Downtown. The tower is 130 feet tall, only 20 feet by 20 feet (plus the towers) in floor plan and stands near the intersection of Albany Avenue with Main and Ely streets and is listed on the National Register of Historic Places.. The tower was dedicated in 1898 to honor Rebecca Turner Keney, the mother of Walter and Henry Keney. The brothers ran the family's wholesale grocery business, which, along with the family home, stood on the site of the tower.



The tower was designed by architect Charles C. Haight, whose other works include a number of buildings on Yale's Old Campus.

**Joel Raphael Architecture, PC** was retained by the **City of Hartford Dept. of Public Works** to provide architectural services for the Project. **Frank Capasso and Sons, Inc.** was contracted as General Contractor.

This Project consists strictly of repair and restoration of building components as follows:

1. Repair (replacement of) failed (not original) roofing, scuppers  
We utilized a 2 ply roofing system in conjunction with liquid membrane flashing and termination
2. Repair (replacement) of failed (foggy, scratched) acrylic (not original) glazing  
The Architect designed a steel framing system that supported a clear laminated glass glazing. This allowed glazing to be accomplished from the inside of the Tower.
3. Repointing of failed brownstone masonry joints (original and formerly repaired)  
Great care was taken to match existing mortar and joint style. The entire building was scaffolded to enable inspection and repair at the top, middle and bottom of the Tower.

4. Selective cleaning and removal of graffiti from original brownstone masonry  
Care was taken to utilize methods and products that would not harm original brownstone
5. Re coating (painting) of the 4 clock faces  
Paint systems were carefully chosen
6. Refinishing of ornamental wood front gate
7. Refinishing of protective ornamental steel; front entry
8. Application of protective sealants at horizontal masonry joints
9. Clock mechanism was studied for repair but not included in the Project budget.

Please see accompanying photos that show the results of the carefully considered historic restoration materials and methods.

The Keney Memorial Clock Tower is a “Gem” that sets just north of the Downtown area. As I walked up and down the interior stairway from base to roof I would marvel at the remarkable design and condition of the Tower. I would have loved to see drawings of the foundation as the Tower must great stress on the foundation that is set in Hartford’s difficult clay and soft sand soils.

As an Architect, it was a great privilege to study and contribute to this Hartford Architectural masterpiece.

Joel Raphael, AIA