

DENDE ENGINEERING
STRUCTURAL CONSULTANTS
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Town of Dryden
David W Sprout, Code Enforcement Officer
93 E Main St
Dryden NY 13053
Emailed to: david@dryden.ny.us

Existing Cell 125ft Monopole
Communication Tower
NYSEG @ 1387 Dryden Rd
Town of Dryden, NY 13053
Owner: Crown Castle, Woburn Mass.
Operated By: Multiple
Engineering: French & Parrello, Wall Twsp, NJ

18-Oct-18

Permit Application Review: Structural

The following plan review as prepared by Dende Engineering Structural Consultants is specific the following drawing/doc set and specific to structural review.

- Design Drawings: T1, SP-1, SP-2, A-1~A-5, E-1, E-2 (general, site, accessories, electric) French & Parrello Assoc: Dated 12/05/17 rev 1 Sealed (PJ Tardy, PE)
- Structural Monopole Design Drawings + Foundation construction dwg, - Not Provided,
- Structural Analysis (includes foundation design): JW Kelly, PE (date 6-7-18) sealed
- Anchor Bolts and Block (rectangular) Foundation: JW Kelly, PE (date 6-7-18) sealed
- Subsurface Exploration Report: Not required
- Monopole Fabrication (**construction**) Drawings: Not Provided
- Chapter 17 Special Inspection or TIA 222 standard for **new construction**: Not Provided
- Pre-construction/Re-certification Inspection of existing, TIA-222 std: Adam Piombino 11-08-17

General Description:

Modifications to Existing Private Utility Monopole Tower Communications Facility owner by Crown Castle Single Pole 125 ft high

Scope of Work: Remove 3 panel antennas + Cables + add 6 panel antennas + 9 RRH + 3 filters + 4 feed lines + relocate 3 RRH from ground to tower (Remote Radio Heads)

The following code review is to the best of my knowledge and based on 2015 NYS Building Code and related reference standards (AISC, ACI, TIA, etc.) for the structural constructions specific to this project. It is not the intent of Dende Engineering to check or verify engineering, change, revise, or critique the original design, but only to provide review of the documents for fully defining the project along with the necessary engineering documentation to substantiate the technical issues. As required by structural code permit review.

The pole location and fall zone has been verified and found: As per original design

The engineering and construction document/drawing sets referenced above should be accepted for building permit purpose.

The following documents should amend the permit documentation as they become available:

- A summary listing all special inspection requirements (chapter 17 NYSBC) For modifications, field welding, monopole (with attachments) etc.

Permit Conditional Pending the above – Inspection Summary.
Copies of inspection reports should be submitted to the Bldg Dept



Greg Dende, PE