PART 1: GENERAL

1.01 CONSTRUCTION DOCUMENTS

The Construction Documents shall include (but not be limited to) the following design assumptions:

A. Design Loads

1. Design loads and additional information as referenced in the Building Code of New York State, Section 1603 including Live, Super-imposed Dead, Snow, Wind, and Earthquake.

2. When assumed load magnitudes vary through different areas of the structure (i.e. live load varying according to occupancy), the construction documents shall also present the assumed load information graphically on the floor plans within the drawing set.

B. Deflection Limitations

1. Vertical deflection limits governing member design both as a ratio to span length and maximum value. Note structural members designed to more restrictive limits (i.e. spandrel beams, curtain wall supports, elevator guardrails, etc.).

2. Lateral drift limits governing lateral system design as a ratio to building height.

C. Floor Vibration Limitations

1. Floor vibration limits for human activity shall be stated as a ratio of $a_v/g(\%)$ in accordance with Table 4.1 in AISC steel design guide 11 “Floor Vibrations due to Human Activity”.

2. Floor vibrational velocity limits for floors supporting sensitive equipment shall be stated as vibrational velocity (micro-inch/seconds) in accordance with Table 6.1 in AISC steel design guide 11 “Floor Vibrations due to Human Activity”.
1.02 LIVE LOAD POSTING

A. Construction Documents shall note that live loads in excess of 50 psf for commercial or industrial floors shall be posted per Building Code of New York State Section 1603.3.

1.03 DELEGATED DESIGN

A. Delegated Design: Engineer of Record to identify on general notes sheet all components of the project where design will be delegated. Additionally, the Engineer of Record shall designate which delegated design components will require signed and sealed calculations submitted.

1.04 SPECIAL INSPECTION REQUIREMENTS

A. Engineer of Record to identify on general notes sheet the materials, systems, and components which require special inspections. The information shall be presented in tabular form and include the type of test or verification, frequency, minimum qualifications for the inspector, and referenced technical specification or standard.