



RFP#7604 - Materials Testing and Special Inspections Proposal Budget Information (Attachment "i") New York State Life Sciences Public Health Laboratory Project No. 3425009999

Please generate a scope of services budget for special inspection services related to this project based on the following structural design parameters, tentative construction dates, and proposed list of special inspections. Please consider personnel staffing levels per phase with in-house staff as well as subconsultant use for areas proposed to be performed by subconsultants, for example remote shop fabrication inspection or Non-Destructive Testing (NDT). Please also include anticipated reimbursable costs for any manpower related travel expenses per phase. Please note that the information provided is subject to change during design development.

Project Draft Structural Parameters

Following is a summary of building information and structural design parameters for information and use in development of the scope of services budget.

Table with 2 columns: Category and Description. Rows include Building Information (Estimated 647,000 Gross Square foot Building, Four occupied floors and a double height mechanical penthouse), Substructure (Isolated cast in place concrete spread footings and slabs on grade, Retaining walls anticipated at sump, trap, equipment, and elevator pits, Short stem walls anticipated between building masses, Perimeter and Lateral system grade beams used for frost protection and to minimize settlement), and Superstructure (Structural steel braced frame with concrete slab on metal deck construction, Lateral Force Resistive System comprised of steel moment frames and braced frames, Building clad in metal and glass unitized panels and architectural precast concrete panels).

Table with 1 column: Structural Design Criteria. Rows list applicable codes and standards: 2020 NYS Building Code, ASCE 7-16 "Minimum Design Loads for Buildings and Other Structures", ACI 318-14 "Building Code Requirements for Structural Concrete", ACI 315 "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 530-13 "Building Code Requirements for Masonry Structures", AISC 360-16 "Specifications for Structural Steel Buildings", AISC 303-16 "Code of Standard Practice for Steel Buildings and Bridges", RCSC "Specifications for Structural Joints Using High-Strength Bolts" 2020 Version, ASTM Standards & Publications: Latest versions, AWS D1.1:2020 "Structural Welding Code-Steel".



Proposed Building Material Standards	
Structural Steel	
	All rolled shapes excluding angles and channels shall conform to ASTM A992.
	All plates for built up members to be either A572 or A1066/A572M (Grade 50).
	All connection material and base plates shall conform to ASTM A572, or ASTM A36.
	All angles and channels shall conform to ASTM A36/ ASTM A572 (Grade 50).
	All hollow structural sections shall conform to ASTM A500 (Grade C). All high strength bolts shall conform to A325 or A490.
Cast-in-Place Concrete	
	Spread footings, grade beams, and mats shall be normal weight concrete with $f'c = 4,500$ psi.
	Slabs on grade shall be normal weight concrete with $f'c = 4,000$ psi.
	Interior composite slabs shall be lightweight concrete with $f'c = 4,000$ psi.
	Exterior composite slabs shall be normal weight concrete with $f'c = 4,000$ psi.
Reinforcing Steel	
	Deformed reinforcing bars shall conform to ASTM A615 (grade 60 & 75).

Seismic Design Parameters	
Site Class D	
Risk Category III	
Seismic Design Category B	

Tentative Construction Schedule for Cost Estimate Development

Project delivery method is design build, documents may be released for construction prior to final completion.

Item	Anticipated Date	Comments
Project Start Date	April 2025	Site Clearing Start
Excavation Start	July 2025	
Foundation Start	September 2025	
Steel Erection Start	February 2026	Fabrication anticipated to start earlier
Interior Rough in Start	July 2026	
Curtainwall Start	November 2026	Fabrication anticipated to start earlier
Interior Fit out Start	July 2027	
Building Watertight	August 2027	
Begin MEP testing	May 2028	
Substantial Completion	September 2029	
Final Completion	January 2030	

List of Building Codes for New York State Special Inspections (may not all be applicable)

The project Registered Design Professional (RDP) is responsible for identifying all project required applicable special inspections. These types of inspections will be identified and included in the final design documents and may include any combination or all of the following inspections.

Inspections and Tests	BCNYS Reference
Special Cases	1705.1.1
Steel Construction	1705.2
Concrete Construction	1705.3
Masonry Construction	1705.4
Wood Construction	1705.5
Soils	1705.6
Driven Deep Foundations	1705.7
Cast in Place Deep Foundations	1705.8
Helical Pile Foundations	1705.9
Fabricated Items	1704.2.5 1705.10
Special Inspections for Wind Resistance	1705.11
Special Inspection for Seismic Resistance	1705.12
Testing For Seismic Resistance	1705.13
Sprayed Fire-Resistant Materials	1705.14
Mastic and Intumescent Fire-Resistant Coatings	1705.15
Exterior Insulation and Finish Systems	1705.16
Fire Resistant Penetrations and Joints	1705.17
Testing for Smoke Control	1705.18
Additional Special Inspections/Tests	