



TOWN OF ISLIP
DEPARTMENT OF PLANNING AND DEVELOPMENT
DIVISION OF BUILDING

One Manittou Court, Islip, New York 11751

Administration	631-224-5464	Plumbing	631-595-3756
Permits	631-224-5466	Records/Inspections	631-224-5470
Plans Examiner	631-224-5467	Zoning	631-224-5438

C RDP INSTRUCTION AND COMPLIANCE FORMS FOR NEW COMMERCIAL BUILDINGS AND ADDITIONS

2020 NY STATE UNIFORM CODES

1. Site Plan – An approved site plan is a prerequisite for filing a building permit application. Site Plan should show all meets and bounds, utilities, setbacks of all yards/buildings including from centerline of streets, subject and adjacent building locations and dimensions, hydrants, utilities, fire department access roads, elevations, topography and parking and flood hazard areas.
2. Structural Affidavit - The completed Town of Islip Structural Affidavit Form (included herein) must be submitted for all new commercial buildings and building additions.
3. Energy Code – Construction documents and MEP plans must show full compliance with the 2020 New York State Energy Code, or where approved, the ASHRAE 90.1 2016. Select which code is to be used, method and format of compliance and compliance path chosen. Residential buildings up to 3 stories shall use the Residential provisions of the code. Refer to the Town of Islip Commercial Energy Code Requirements flyer for further information. *Note, by using the alternate computer software, UA analysis does not exempt mandatory requirements of the codes which must be addressed on the construction documents.*
4. Special Inspection Documents - shall be submitted as per the 2020 New York State Building Code (NYSBC) sections 1703.1, 1704.2, 1704.2.1, 1704.2.3, 1704.3 and 1705. Qualifications of all Special Inspectors shall be submitted for approval by the Building Division. The Special Inspection statement shall note the inspection period, test reference and Code section reference. The RDP (not the owner or contractor) shall prepare and submit a special inspection statement listing all required inspections. This is a stand-alone document and shall be added to the building construction plans.
5. Building Plan Review Note - Town of Islip Building Plan Review Note (below) must be on the title sheet of each trade set of plans submitted by the NYS licensed and registered design professional:

The Town of Islip Building Plans Examiner shall review the enclosed document for minimum acceptable plan submittal requirements of the Town of Islip as specified in the Building and/or Residential Code of the State of New York. This review does not guarantee compliance with that code. The seal and signature of the design professional has been interpreted as an attestation that, to the best of the licensee's belief and information, the work in the document is:

- accurate
- conforms with governing codes applicable at the time of submission
- conforms with reasonable standards of practice and with view to the safeguarding of life, health, property and public welfare
- is the responsibility of the licensee

6. Town of Islip New York State Building Code Evaluation Summary (TOIBES) – The TOIBES (included herein) and attachments #1 and #2 shall be completed and made part of the construction plans.

7. Structural Plans – The actual design, detailing and comparison loads of structural members, wind and seismic force resisting systems and lateral force resisting systems (including design of resisting connections and connections for CLP) shall be shown on the structural construction documents as required by the 2020 NYSBC. Elevations of wood and steel shear walls for each story shall be shown on the plans, indicating if segmented, perforated or perforated with force transfer. The wall height, length and segment length, height to width ratio and all openings shall be dimensioned. Required type and hold down locations shall be shown. These shear walls shall be matched to and located on the floor plans with lengths, hold down location and placement shown.
8. Truss Permit – A Truss Sign Permit is required prior to the release of the building permit as per NYCRR Title 19 part 1264. A building permit application (choose Truss Sign option) should be submitted to the Building Department along with an actual sample of the truss sign, \$50.00 application fee, and signed and sealed wood truss designs with connections and bracing drawings as per the 2020 NYSBC sections 2303.4.1 through 2303.4.7.



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STRUCTURAL DESIGN AFFIDAVIT

The New York State Registered Design Professional (RDP) responsible for the structural design of a new building construction at the site as indicated herein, shall complete this affidavit as a condition of a Building Permit issuance as per section 106 of the 2020 New York State Building Code. The RDP shall sign and affix an original seal to this affidavit as well as having done so in front of a notary public who shall also sign and date this affidavit.

Building Construction: _____
PERMIT # _____ CONSTRUCTION SITE ADDRESS _____

I, the undersigned, a ☐ New York State Licensed Architect or ☐ New York State Licensed Professional Engineer, being duly licensed in the State of New York, whose license is in current good standing, hereby certifies that to the best of my knowledge, information and belief, the structural plans and computations are in compliance with the 2020 New York State Building Code and further certify that:

1. All actual and allowable loads and deflections have been addressed and are indicated in the plans and computations as required by the 2020 New York State Building Code.
2. All structural members and connections have been designed and detailed as indicated on the plans and computations so as to provide a continuous load path from the top of the structure down to the foundation as required by the 2020 New York State Building Code.
3. I have analyzed the building for both the maximum wind and seismic forces and have provided structural systems and connections to resist these forces as indicated on the plans and computations as required by the 2020 New York State Building Code.
4. The shear walls have been designed and detailed, and are in compliance with section 2305 for wood, with section 2211 for cold formed steel and section 2101.2 for masonry of the 2020 New York State Building Code. I further state that I understand the Code Enforcement Official will rely upon this affidavit and that I agree to assume full responsibility for the compliance with all provisions of the 2020 New York State Building Codes. I further agree to hold the Town of Islip harmless from any claims of any parties arising out of the submitted plans and computations submitted herewith, including any changes that may subsequently be made to these documents.

Engineer/Architect:

NAME FIRM PHONE EMAIL

STREET ADDRESS CITY STATE ZIP

NEW YORK STATE LICENSE No. _____

Architect / Engineer original seal or
embossed seal with signature thereon:

Sworn before me this _____ day of _____, 20____

Notary Public

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Town of Islip
NYS Building Code Evaluation Summary (TOIBES)

Plan Date: _____		Revision Date (if applicable): _____	
Subject Address: _____			
Building Name(s): _____ <small>(identifying reference name if applicable)</small>		Building Number(s): _____ <small>(identifying number if more than one building on a parcel)</small>	
Project Title: _____			
Architect/Engineer: _____			
<small>Contact</small>		<small>Firm Name</small>	
<small>Firm Address</small>			
Variance Requested: <input type="checkbox"/> Yes <input type="checkbox"/> No			
2020 NYSBC Chapter 3 Occupancy Classification(s): _____ (Group I condition): _____		2020 NYSBC Chapter 6 Construction Classification: _____	
Work involved (check all that apply): <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> General Construction <input type="checkbox"/> Roofing <input type="checkbox"/> Asbestos Abatement/ Environmental <input type="checkbox"/> Fire Alarm </div> <div style="width: 30%;"> <input type="checkbox"/> Structural <input type="checkbox"/> Mechanical <input type="checkbox"/> Plumbing <input type="checkbox"/> Electrical </div> <div style="width: 30%;"> <input type="checkbox"/> Site Work <input type="checkbox"/> Sprinkler <input type="checkbox"/> Elevators <input type="checkbox"/> Other _____ </div> </div>			
Statement of Special Inspections Required: 2020 NYSBC sections 1703.1, 1704.2, 1704.2.1, 1704.2.3, 1704.3 and 1705			
Comments: <ul style="list-style-type: none"> ▪ Each trade title sheet shall note the currently adopted NYS Codes, Rules and Regulations as applicable. ▪ The current NY State adopted code is the 2020 NYSUC. The code collection consists of the November 2019 first printing of the 2020 NYSBC, 2020 NYSRC, 2020 NYSEBC, 2020 NYSFC, 2020 NYSPC, 2020 NYSMC, 2020 NYSPMC, 2020 NYSFGC, 2020 NYSECCC (ASHRAE 90.1 2016 where allowed), ICC ANSI A117.1 2009, ASCE/SEI-7 2016, ASCE-24 2014, ASME A17.1 2016 /CSA B44 2016, A18.1 2014 and NYCRR Title 19. ▪ For use of the Codes, refer to Preface and Effective Use chapters ▪ Town of Islip IBC Geographic condition table must be on title sheets of architectural and mechanical plans. ▪ Town of Islip Building Plan Review Note shall be on each trade title sheet 			

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
1.	Fire Apparatus Access Road	NYSFC503.1& Appendix D			Must provide site plan showing roads and dimensions.
2.	High Rise Buildings	403			
	Construction	403.2			Indicate any reduction in Fire Ratings below
	Reduction in Fire Rating	403.2.1			
	Shaft Enclosures	403.2.1.2			
	Structural Integrity for Exit Stairway and Elevator Hoistway Enclosures	403.2.3			Provide Information for Risk Category III or IV, and for all Buildings more than 420 ft. in height.

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
	Sprayed Fire-Resistant Materials	403.2.4			Indicate Bond Strength.
	Sprinkler Protection	403.3			
	Water supply for Fire Pumps	403.3.2			Indicate number of Water Supplies.
	Secondary Water Supply	403.3.3			
	Emergency Systems	403.4			
	Smoke Detection & Fire Alarm System	403.4.1,2			
	Standpipe System	403.4.3			
	Emergency Voice/Alarm Communication System	403.4.4			
	Fire Department Communication System	403.4.5			<input type="checkbox"/> Wired <input type="checkbox"/> Radio <input type="checkbox"/> Other _____
	Fire Command Center	403.4.6			
	Smoke Removal	403.4.7			
	Standby & Emergency Power	403.4.8			
	Equipment Room Separation	403.4.8.1			
	Fuel Line Piping Protection	403.4.8.2			
	Standby Power Loads	403.4.8.3			
	Emergency Power Loads	403.4.8.4			
	Means of Egress: Remoteness of Exit Stairways	403.5.1			
	Smoke Proof Enclosures	403.5.4			
	Luminous Egress Path Markings	403.5.5			
	Elevators	403.6			<input type="checkbox"/> Fire Service Access <input type="checkbox"/> Occupant Evacuation_____
3.	Atriums	404			
	Sprinkler Protection	404.3			
	Fire Alarm System	404.4			
	Smoke Control	404.5			
	Enclosures	404.6			
	Standby Power	404.7			
	Travel Distance	404.9			
4.	Class and MAQ Hazardous Materials Control Areas	307 414.2			Provide additional information indicating number, size, materials and how stored, and quantity of each material.
5.	Dwelling and Sleeping unit separation	420.2 & 420.3			
	Dwelling and Sleeping unit Fire Alarm System & Smoke Alarms	420.5 and 420.6			
	Healthcare Facilities	429			
6.	Building Area & Height Allowable Area Calcs	503-507 506.2			Provide information in Attachment 1; see Section 510 for exceptions
7.	Mezzanines/Equipment Platforms	505			
8.	Mixed Occupancies:	508			Provide analysis and equations
	Accessory Occupancies	508.2			
	Nonseparated Uses	508.3			
	Separated Uses (Ratio ≤ 1)	508.4			For multiple story buildings, show compliance with NYSBC sections 506.2.4 and 506.2.4.1
9.	Incidental Uses:	509			
10.	Exterior Wall Fire-Resistance Rating	602.1 Table 602			

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
11.	Fire Resistive Construction	701-703			Fire resistive rating and required testing
	Exterior Wall: Allowable Area of Openings:	705.8			Provide analysis
	Unprotected	705.8			
	Protected	705.8			
	Exterior Wall: Vertical Separation of Openings	705.8.5			
	Parapets	705.11			
	Fire Walls	706			Separates a structure into buildings
	Fire Barriers	707			(Used in lieu of fire protection systems 901.7)
	Fire Partitions	708			
	Smoke Barriers	709			
	Smoke Partitions	710			
	Horizontal Assemblies	711			
	Vertical Opening	712			
	Shaft Enclosures	713			
	Penetrations	714			
	Joint Systems	715			
	Opening Protectives	716			
	Ducts and Air Transfer Openings	717			
	Concealed Spaces	718			(Provide details on plans)
	Prescriptive Fire Resistance	721			Provide Specific item numbers from Tables
	Calculated Fire Resistance	722			Provide Specific Components and Calculations from Tables
12.	Interior Finishes	801.1			
	Wall & Ceiling: Exits & Corridors	803.13 Table 803.13			
	Laminates Wood veneers	803.11 803.12			
	Wall & Ceiling: Rooms/Spaces	803.11 Table 803.11			
	Floors	804			
	Combustible Decorative Materials	806.3			Provide Percentage of combustible decorative materials
13.	Fire Protection: General	901.1			
	Sprinkler System Stories and basements without openings	903 903.2.11.1			Indicate Type of Sprinkler System <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> NFPA 13D See amendment #3.7 2017 NYSUC Supplement (13R decks and balconies protected)
	Alt. Fire Extinguishing Sys	904			
	Standpipe System	905			
	Portable Fire Extinguishers	906			
	Fire and Smoke Alarm Systems	907.1 907.2 907.4			Indicate Type of Fire Alarm System <input type="checkbox"/> Addressable <input type="checkbox"/> Conventional (zoned)
	Smoke Detection System	907.2.10			
	Occupant notification	907.5			
	Emergency voice Visible alarms	907.5.2.1 907.5.2.2 907.5.2.3 Appendix E Table E104.2.1			

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
	Smoke Control	909			
	Smokeproof Enclosure/ Stair Pressurization	909.20			
	Smoke and heat removal	910			
	Fire Command Center	911			
	Fire Department Connections	912			
	Fire Pumps	913			
	Equipment room Identification	914			
	Carbon Monoxide Detection	915/FC915			Indicate the Type of CO Detection <input type="checkbox"/> Independent CO System <input type="checkbox"/> CO Alarms <input type="checkbox"/> CO Detection connected to FACP
	Combustible High Racking	NYSFC Chapter 32/ 3201.1			Submit Town of Islip Combustible High Racking Forms, plans & structural dwgs
14.	Means of Egress	1001.1			Provide information in Attachment 1.
	Common Path of Egress Travel Distance	1006.2.1, Table 1006.2.1			
	Single Exits Space	1006.2			
	Single Exit Stories	1006.3			
	Emergency Lighting	1008			
	Accessible Means of Egress	1009.1			
	Elevator Required	1009.2.1			
	Elevator accessed from “area of refuge”	1009.4.2			
	Area of Refuge	1009.6			
	Controlled Egress Doors (I-1 & I-2 only)	1010.1.9.7			
	Delayed Egress Locks	1010.1.9.8			
	Panic Hardware	1010.1.10			
	Stairways width, riser and opening, tread and heights	1011			
	Ramps	1012.1			
	Exit Signs	1013.1			
	Handrails	1014.1			
	Guards	1015.1			
	Mechanical Equipment Guards	1015.6			
	Window Opening Control Devices and Guards	1015.8			
	Exit Access	1016.1			
	Exit Access Stairways	1019.1			Must lead to and meet travel distance as per section 1017.2 to an exit
	Corridor Fire Rating	1020.1			
	Corridor Width	1020.2			
	Dead End Corridor	1020.4			
	Air Movement in Corridor	1020.5			(see also NYSMC section 601.2 to be addressed on HVAC plans)
	Corridor Continuity	1020.6			
	Exit Fire Rating	1023.2			
	Stairway Signage	1023.9			
	Smokeproof Enclosure	1023.11			
	Exit Passageways	1024.1			
	Luminous Egress Path Markings	1025.1			

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
	Horizontal Exit	1026.1			
	Exterior Stairs	1027.1			
	Exit Discharge	1028.1			
	Assembly Bleachers	1029 303.6 1029.1.1 (ICC 300)			Must be handicapped accessible and provide wheelchair accommodations at field level
	Emergency Escape & Rescue Required	1030.1			
15.	Accessibility (Appendix E)	1101.1 ICC/A117.1 (2009)			
	Accessible Route	1104.1			
	Accessible Entrance	1105.1			
	Parking	1106.1			
	Parking Access Aisle	1106.1.1			
	New International Parking Accessibility Signage	1111			NYCRR Title 19 Part 300
	Institutional Dwelling & Sleeping Units	1107.5 1107.6			
	Type B unit Doors	1107.2.1			
	Required Type B Residential Unit Toilet	1107.2.2			
	Toilet Rooms	1109.2			(accessible fixtures required)
	Platform Lifts	1109.8			
	Accessibility Signage Locations	1111.1			
16.	Interior Environment	1201			
	Ventilation R Occupancies (See other for 2020 NYSECCC Requirements)	1202.1			In "R" occupancies up to 3 stories mechanical ventilation shall be provided as per section 1202.1. Mechanical ventilation shall be provided as per the 2020 NYSMC sections 401.2, 403.1, 403.3 and 403.3.2 and Chapter 6. System design and calculations shall be submitted. Systems shall be clearly identified including operations and controls on the construction documents.
	Ventilation Commercial Occupancies (Including "R" Occupancies over 3 stories)	NYSMC 401.2 NYSMC 403.3.1 NYSECCC 403.2.2			
	Unvented Attic & Enclosed Rafter assemblies	1202.3			
	Light: Natural/Artificial	1204			
	Sound Transmission	1206			
	Ceiling Heights	1207			
	Toilet & Bathroom Requirements	1209			
17.	Energy Conservation	1301			Provide information in Attachment 2. As prescriptive Ua alternate compliance, latest version of Comcheck and/or Rescheck or other as approved by NYS for envelope compliance only. Still required to comply with energy code paths and all MANDATORY compliance. Building systems for heating, cooling, hot water and electric energy code compliance plans required. See Town of Islip 2020 NYSECCC bulletin for further requirements.
17.a	Roof Drainage	1502			
17.b	Roof Venting	1503.4			

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
18.	Roof Assembly Fire Classification	1505.1			
	Roof Covering	1507.1			
	Reroofing	1511			
	Photovoltaic Panels	1512			
	2020 NYSFC required roof ventilation	1204			
19.	Structural Requirements	1603.1/1604.5			Provide information in Attachment 1. Use link below.
	Ground snow loads	1608			See above and item #3.18 2017 NYSUC Supplement
	Flood loads and design elevation	1612			See Town of Islip Land Use Regulation Book/Zoning Code for additional requirements
	Conventional Wood Frame Construction	2302.1 chose one 2308 where limits are not exceeded 2309 as noted			If in compliance with sections noted, conventional framing as per this chapter may be used and no further special engineering is required
	Truss Type, Pre-Engineered Wood or Timber Construction	2303.4.1 through 2303.4.7 All bracing shall be shown			Provide information in Attachment 1. Submit signed and sealed truss design drawings with all required information, connections and placement/bracing plan Truss sign permits required before building permit issuance. NYCRR Title 19 Parts 1264/1265
20.	Foundation	1803 - 1810			Provide information in Attachment 1. Soil borings and information shall be submitted.
21.	Glazing Identification	2403.1			
	Safety Glazing	2406.1			
22.	Foam Plastic Insulation	2603			
	Thermal Barrier	2603.4			
23.	Electrical	2701.1			
	Emergency & Standby Power	2702.1			
	Elevator & Platform Lifts	2702.2.2			
	Exhaust systems	2702.2.5			
	Exit Signs	2702.2.6			
	High Rise Building	2702.2.11			
	Means of Egress	2702.2.13			
	Smoke Control Systems	2702.2.16			
24.	Mechanical Systems	2801.1			
	Fire & Smoke Dampers	716			
	Fan Shutdown	NYSMC606.4			
	Combustion Air	NYSMC701.1 & NYSFGC304.1			Submit calculations
	Chimneys, Flues & Gas vents	NYSMC801.1 & NYSFGC501.1			Provide diameter of chimney/gas vents.
25.	Gas Piping Sizing Material	NYSFGC402 NYSFGC403			Submit gas riser with fixture info and calculations
26.	Plumbing	2901.1			
	Fixture Count NYSPC	2902.1 403.1			Provide information in Attachment 1.
	Building Supply System Design and Street Pressure	NYSPC 604(all)			Note tables, capacities, demands on supply riser
	Water Supply Materials	NYSPC 605			
	Fixture Units	NYSPC 709.1			Note on sanitary riser

	Topic	Building Code Section (unless otherwise noted)	Required / Allowed	Actual	How and where is compliance indicated
	Backwater prevention	NYSPC 714			Location on plans
	Drain pipe Sizing	NYSPC 710			Show table and branch. DFU with vent riser (Highlight rows and columns used -typical)
	Vent Pipe Sizing	NYSPC 906			Show table on sanitary riser
	Vent Extension Above Roof	NYSPC 903.1			
	House Traps	NYSPC1002.6			Required as per Board of Health
	Sanitary Piping Material	NYSPC 702			Show on sanitary riser
27.	Elevator & Conveying systems	3001.1			
	Elevator Car sized to accommodate a Stretcher	3002.4			
	Elevator Emergency Operation	3003.2			
	Machine Rooms Fire Rating	3005.4			
	Shunt Trip	3005.5			
	Elevator Lobbies	3006.1			
	Fire Service Access Elevators	3007.1			
	Occupant Evacuation Elevators	3008.1			
	Escalators	3004.2			
28.	Special Construction Temporary Structures Membrane Structures	3101.1 3103 3102			Temporary Structures to be fully removed after 180 days.
	Pedestrian Walkways/Tunnels	3104			
	Awning and Canopies	3105			Submit construction plans
	Swimming Pool Enclosures Public Pools. SCHD permits required prior to issuance of a building permit.	3109.			
	Swimming Pool Accessibility	1110.2, 1110.4.14			Show on plans
	Swimming Pool Enclosures Residential Pools	3109.3			
	Swimming Pool Entrapment protection	3109.4			
	Swimming Pool Alarms	3109.5			

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TOIBES

Attachment #1

This attachment must be printed separately from the Building Code Evaluation Summary

Plan Date: _____	Revision Date (if applicable): _____
Subject Address: _____	
Project Title: _____	
Architect/Engineer: _____	
Note: Building design structural calculations shall be provided for all buildings over two stories in height.	

ADDITIONAL INFORMATION: _____

BUILDING AREA FACTORS (503/506)

Check One: ☐ (NS) Non-Sprinklered ☐ (S1) Sprinklered One Story ☐ (SM) Sprinklered Multiple Stories
☐ (S13R) Sprinklered NFPA 13R system ☐ (NYSBC section 507 Unlimited Area)

CONSTRUCTION TYPE NYSBC 601	STORY NO.	BLDG AREA PER STORY (ACTUAL)	OCCUPANCY (NYSBC 302 AND 508)	NYSBC TABLE 506.2 AREA FACTOR

Frontage increases from Section 506.3 are computed thus:

- Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
- Total Building Perimeter = _____ (P)
- Ratio (F/P) = _____ (F/P)
- W = Minimum width of public way = _____ (W) or Weighted average = _____ (W)
- Frontage increase $I_f = [F/P - 0.25] \times W/30 = \underline{\hspace{2cm}}$

Area weighted formula equation 5-4 $W = (L1 \times w1 + L2 \times w2 + L3 \times w3 \dots) / F$

ALLOWABLE TOTAL BUILDING AREA (506) REFER TO EACH SECTION FOR INSTRUCTIONS

Section 506.2.1 Allowable Building Area for a Single-occupancy, one story building

Equation 5-1 $A_a = A_t + (NS \times I_f)$

Section 506.2.2 Mixed-occupancy, one story buildings

See section 508.1 and use equation 5-1

Section 506.2.3 Single-occupancy, multistory buildings

Equation 5-2 $A_a = [A_t + (NS \times I_f)] \times S_a$

506.2.4 Mixed-occupancy, multistory buildings

Based on section 508.1 and equation 5-3 $A_a = [A_t + (NS \times I_f)]$

SUMMARY: ACTUAL BUILDING AREA = _____ ALLOWABLE BUILDING AREA = _____

Notes:

- All calculations to determine building areas shall be submitted. For mixed use submit area ratios for each story. See NYSBC sections 508.4.2 and 506.2.4
- Story area [x] # of stories shall be \leq the allowable building area except as otherwise cited in code
- Provide separate sheets if space is exceeded

ALLOWABLE HEIGHT (503/504)

	ACTUAL HEIGHT IN FEET	ALLOWABLE (TABLE 504.3)	ACTUAL HEIGHT IN STORIES	ALLOWABLE (TABLE 504.4)
Building Height	Feet:	Feet:	Stories:	Stories:

STRUCTURAL DESIGN**DESIGN LOADS:**

Section 1603.1 Required information on construction documents
(Denote if design is based on open or enclosed, restrained or unrestrained)

Risk Category (1604.5): _____

Live Loads (1607): Roof _____ psf Photovoltaic Panels ☐ Yes ☐ No Occupiable roof ☐ Yes ☐ No
Floor _____ psf

Ground Snow Load (1608): _____ psf (ASCE-7-10 or Figure 1608.2 2020 NYSBC)

Wind Load (1609): Basic Wind Speed _____ mph (Town of Islip 130mph Vult)
Exposure Category _____
ASCE-7-16 Method _____
Design Wind Load _____ (Attach Calculations)

Soil Lateral Loads (1610): _____ psf per foot of depth

Rain Loads (1611): _____

Flood Hazard Area (1612, 2020 NYSBC): ☐ Yes ☐ No
If Yes, provide Flood Hazard Documentation (Chapter 5 of ASCE 7 and ASCE 24)

SEISMIC REQUIREMENTS (1613/ASCE-7-16):

Occupancy Category _____
Importance Factor _____
Seismic Design Category _____

SEISMIC DESIGN CATEGORY A

Compliance with ASCE-7-16 Section 11.7: ☐ Yes ☐ No

SEISMIC DESIGN CATEGORY B, C, & D

Provide the following Seismic Design Parameters:

Basic structural system (check one)

- | | |
|--|---|
| <input type="checkbox"/> Bearing Wall | <input type="checkbox"/> Dual w/Intermediate Moment Frame |
| <input type="checkbox"/> Building Frame | <input type="checkbox"/> Shear Wall-Frame Interactive |
| <input type="checkbox"/> Moment-Resisting Frame | <input type="checkbox"/> Cantilevered Column |
| <input type="checkbox"/> Dual w/Special Moment Frame | <input type="checkbox"/> Inverted Pendulum |

Analysis Procedure: ☐ Simplified Alternative ☐ Equivalent Lateral Force ☐ Modal Response Spectrum
☐ Seismic Response History

Architectural, Mechanical, and Electrical Components anchored? ☐

FOUNDATIONS (1801.1):**SOIL BEARING CAPACITIES:**

Field Test (provide copy of test report) _____ psf

Presumptive Bearing capacity _____ psf

Pile size, type, and capacity _____

NUMBER AND ARRANGEMENT OF EXITS (1006/1007/1017)						
FLOOR, ROOM OR SPACE DESIGNATION PER STORY AND INCLUDING BASEMENTS	MINIMUM NUMBER OF EXITS (1006)		TRAVEL DISTANCE (1017.1)		REMOTENESS OF EXITS OR EXIT ACCESS DOORWAYS (1007.1.1)	
	REQ'D	ACTUAL (OR OPTIONS)	ALLOWABLE	ACTUAL	REQUIRED DISTANCE BETWEEN EXIT DOORWAYS	ACTUAL DISTANCE SHOWN ON PLANS

OCCUPANT LOAD & MEANS OF EGRESS SIZING (1004/1005)										
USE GROUP OR SPACE DESCRIPTION	(a)	(b)	(c)	(d)		MEANS OF EGRESS SIZING (in)				DISTRIBUTION
	AREA sq. ft.	AREA PER OCCUPANT (TABLE 1004.5)	OCCUPANT LOAD (a÷b)	EGRESS CAPACITY PER OCCUPANT (1005.3)		REQUIRED WIDTH (1005.3.1, 1005.3.2) c x d		ACTUAL WIDTH SHOWN ON PLANS		LOSS OF ONE MEANS OF EGRESS
				STAIR	OTHER	STAIR	OTHER	STAIR	OTHER	

IBC SECTION 1005.5 DISTRIBUTION OF MINIMUM WIDTH AND REQUIRED CAPACITY:
Where more than one exit, or access to more than one exit is required, the means of egress shall be configured such that the loss of any one exit, or access to one exit, shall not reduce the available capacity or width to less than 50 percent of the required capacity or width.

PLUMBING FIXTURE REQUIREMENTS (2902.1)								
OCCUPANCY	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS / TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE

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TOIBES

Attachment #2

This attachment must be printed separately from the Building Code Evaluation Summary

Plan Date: _____	Revision Date (if applicable): _____
If multiple pieces of equipment, complete form for each equipment type.	
Project Address: _____	
Architect/Engineer: _____	

Note: All code citations given are to the 2020 NYSECCC, ASHRAE 90.1-2016 as amended in NYCRR Title 19 Part 1240 where applicable.

CONSTRUCTION DOCUMENTS MINIMUM REQUIREMENTS 2020 NYSECCC C105_____

COMPLIANCE METHOD:
<input type="checkbox"/> Prescriptive: (If prescriptive method is used, complete all sections below) <input type="checkbox"/> Commercial - 2020 NYSECCC C401.2 #2
<input type="checkbox"/> Performance: (All mandatory requirements shall be met) <input type="checkbox"/> 2020 NYSECC Section C401.2 #3 (Attach Compliance report that indicates the energy cost is less than or equal to 85% of the standard reference design)
<input type="checkbox"/> ASHRAE 90.1-2016 C401.2 #1: Must be complied with in its entirety.

HISTORIC BUILDING: 2020 NYSECCC Section C101.7 and C501.6	<input type="checkbox"/> Yes <input type="checkbox"/> No
ADDITIONS, ALTERATIONS OR RENOVATIONS IN EXISTING BUILDING: (2020 NYSECCC sections C502, 503, 504 and 505)	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, list building system(s) undergoing substantial alteration(s): _____	
EXEMPT BUILDING: (2020 NYSECCC C101.3)	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe exemption type: _____	
PROJECT LOCATION: (2020 NYSECC Table C301.1)	
County: _____	
Zone: _____	

BUILDING THERMAL ENVELOPE – OPAQUE ASSEMBLIES (2020 NYSECC section C402)

Fill in values below as applicable for thermal envelope compliance.

Occupancy Group (2020 NYSBC Chapter 3): ☐ Group R ☐ Other Group

<u>Roofs:</u>	<u>U-Value</u>	<u>R-Value</u>
Insulation entirely above deck:		
Metal Buildings:		
Attic and Other:		
<u>Walls, above Grade:</u>		
Mass:		
Metal Building:		
Metal Framed:		
Wood Framed and other:		
<u>Below-Grade Walls:</u>		
Below-Grade Walls:		
<u>Floors:</u>		
Mass:		
Joist/Framing:		
<u>Slab-on-Grade Floors:</u>		
Unheated slabs:		
Heated slabs:		
<u>Opaque Doors:</u>		
Swinging:		
<u>Fireplaces:</u> <input type="checkbox"/> Flue Dampers <input type="checkbox"/> Tight-fitting Doors <input type="checkbox"/> Outside Combustion Air		

FENESTRATION: (2020 NYSECC Section C402.4)

Vertical Fenestration (30% Maximum of gross above-grade wall)

Increased Vertical Fenestration area with Daylight Responsive Controls (40% Maximum of gross above-grade wall).

	<u>U-Value</u>	
Framing other than metal with or without metal reinforcement of cladding:		
<u>Vertical Fenestration:</u>		
Fixed Fenestration:		
All other included Operable Fenestration:		
Entrance Door:		
<u>Solar Heat Gain Coefficient: Projection Factor</u>	<u>SHGC</u>	
PF < 0.2		
$0.2 \leq \text{PF} < 0.5$		
PF ≥ 0.5		
<u>Skylights: (3% Maximum)</u>	<u>U-Value</u>	<u>SHGC</u>
Skylights:		
(Increased Skylight Area with Daylight Responsive Controls: 5% Max)		

AIR LEAKAGE: (2020 NYSECC Section C402.5)**AIR BARRIER:** ☐ Yes ☐ No Describe:

Vapor Retarder (2020 NYSBC 1404.3) Class: Describe:

FENESTRATION ASSEMBLY: CFM

Windows:

Sliding Doors:

Swinging Doors

Skylights (w/weepage openings)

Skylights (all others)

Curtain wall:

Storefront glazing:

Commercial glazed swinging:

Revolving doors:

Garage doors:

Rolling doors:

High Speed doors

Outdoor air intakes & exhaust openings:

Rooms containing fuel-burning appliances located outside or isolated from inside thermal envelope: ☐ Yes ☐ NoAir Intakes, Exhaust Openings, Stairways & Shafts provided with Shutoff Dampers: ☐ Yes ☐ NoLoading Dock Weatherseals: ☐ Yes ☐ NoVestibules: ☐ Yes ☐ NoRecessed Lighting ☐ Yes ☐ No Describe:**MECHANICAL, SERVICE WATER HEATING & ELECTRICAL SYSTEMS:**
(2020 NYSECC Sections C403/C404/C405/C406)**Describe HVAC system(s) type:****Heating and cooling load calculations (C403.1.1 and C403.2 MANDATORY AND C403.3.1):** Attach calculations for all systems in accordance with ANSI/ASHRAE/ACCA 183.

Controls (C403.4):

☐ Thermostatic Controls☐ Off-Hour Controls☐ Shutoff Dampers☐ Zone Isolation☐ Snow and Ice-Melt System Controls☐ Freeze Protection System Controls☐ Economizer Fault Detection and Diagnostics☐ Hot Water Boiler Outdoor Temperature Setback

Demand Controlled Ventilation (C403.7.1):

Enclosed Parking Garage Ventilation (C403.7.2):

Energy Recovery Ventilation (C403.7.4):		Kitchen Exhaust System (C403.7.5):	
Duct Work: <input type="checkbox"/> Low Pressure <input type="checkbox"/> Medium Pressure <input type="checkbox"/> High Pressure		Duct Construction (C403.11.2):	
Duct insulation (C403.11.1):		R-value	
Piping insulation (C403.11.3) R-value:		Steam:	Hot Water: Chilled Water:
Air System Design and Controls (C403.2.12):		Allowable Fan Motor Horsepower (C403.8.1):	
		Motor Nameplate Horsepower (C403.8.2):	
		Fan Efficiency (403.8.3):	
Heating Outside a Building (C403.12):		Refrigeration Equipment Performance (C403.10.2.1):	
Walk-in Coolers, Walk-in Freezers (C403.10.1 and C403.10.2):		Refrigerated Display Cases (C403.10.3):	
Economizers (C403.5):		<input type="checkbox"/> Air Economizer <input type="checkbox"/> Water-side Economizer	
Multiple-Zone HVAC System (C403.6):		Fan Control:	
Hydronic system controls (C403.4.3):		Hydronic heat pump system (C403.4.3.3):	
Heat rejection (C403.4.3.3.2):		Part-load Controls (C403.4.4):	
Energy Recovery Systems (C403.7.4):			
Heat Recovery for Service Water Heating (C403.9):			
Refrigeration Systems (C403.10.4):			

Design Values:	Heating	Cooling
Indoor temperature:		
Outdoor temperature:		

Equipment Performance (C403.3.2): Fill in values below as applicable:			
Equipment Type	Size	Rating	Performance
Water Heaters (Electric)			
Storage Water Heater (Gas)			
Instantaneous Water Heater (Gas)			
Storage Water Heater (Oil)			
Instantaneous Water Heater (Oil)s			
Hot Water Supply Boilers (gas & Oil)			
Hot Water Supply Boiler (Gas)			
Hot Water Supply Boiler (oil)			
Pool Heater (Gas & Oil)		<input type="checkbox"/> Time Switches	<input type="checkbox"/> Pool Cover
Heat Pump Pool Heater			
Unfired Storage Tanks			
Furnaces		<input type="checkbox"/> Electric	<input type="checkbox"/> Centrifugal
Equipment Type	Size	Rating	Performance
Chillers		<input type="checkbox"/> Air cooled	<input type="checkbox"/> Water cooled
Condensers		<input type="checkbox"/> Air cooled	<input type="checkbox"/> Water cooled
Cooling Towers			
Air Conditioners		<input type="checkbox"/> Air cooled	<input type="checkbox"/> Water cooled
Heat Pumps		<input type="checkbox"/> Air cooled	<input type="checkbox"/> Water cooled
		<input type="checkbox"/> Groundwater	<input type="checkbox"/> Ground source
Package units		<input type="checkbox"/> Heating	<input type="checkbox"/> Cooling
		<input type="checkbox"/> Replacement	<input type="checkbox"/> New Construction
Unit heaters			
Energy Recovery			

Fan system motors:
Horsepower: Constant Volume: Variable Volume:

Lighting (C405):

Building:			
Interior lighting power:	_____ W/ft ²	Total Connected Interior Power:	
Interior Lighting Controls:	_____		
Manual Lighting Controls:	_____		
Light Reduction Controls:	_____		
Automatic time switch control:	_____		
Occupancy Sensors	_____		
Daylight Zones	_____	Sidelight Zones:	Toplight Zones:
Daylight Responsive Control:	_____		
Manual Daylighting control:	_____		
Automatic Daylighting controls:	_____		
Multi-level lighting controls	_____		
Exterior lighting power:	_____ W/ft ²		
Exterior building grounds lighting:	_____		
Exterior lighting zone:	_____		
Exterior Lighting Controls:	_____		
Tandem wiring:	_____		
Exit Signs:	_____		

Electrical Energy Consumption (Metering) (C405.5): ☐ Yes ☐ No

(Dwelling Units only)

Electrical Transformers (C405.6): _____ %Efficiency**Electrical Motors (C405.7):** _____ %Efficiency**Vertical & Horizontal Transportation Systems and Equipment (C405.8):** _____**Additional Efficiency Package Options: (2015 IECC Section C406)**

Efficient HVAC Performance:	_____
Reduced Lighting Power Density System:	_____
Enhanced Digital Lighting Controls:	_____
On-Site Renewable Energy:	_____
Dedicated Outdoor Air System:	_____
Reduced Energy Use in Service Water Heating:	_____
Enhanced Envelope Performance	_____
Reduced Air Infiltration	_____