**BDC 402 – GUIDANCE DOCUMENT for the 2020 Codes of New York State**

***When to use:***

The BDC 402, *Uniform Code Compliance Review Checklist*, shall be completed by the Consultant/designer(s)-of-record, reviewed by the OGS PM, and submitted at the first post-*Program Report* milestone and updated in each future submission per the **DPM 9.9 Codes**.  Attachments should be included when specified by the checklist. Failure to complete the BDC 402 for the 100% document set, will result in rejection of the submission.

***How to use:***

This document was developed as a guide to assist the OGS PM in the code review process, and to establish a standard baseline for documentation.  It assists in basic code analysis and identifying what code compliance information and diagrams shall be included on drawings when specified by the *Uniform Code*. The Consultant/designer-of-record has the responsibility of compiling the necessary information and updating the BDC 402 at each submission.

***Implications:***

The seal and signature of an architect/engineer on a document submitted to OGS Design and Construction is an attestation that, to the best of the licensee's belief and information, the work represented in the construction documents: *is accurate, conforms with governing codes applicable at the time of submission, and conforms with reasonable standards of practice and has undergone a full Code Review.*  The BDC 402 is the formal documentation of this process.

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| **Commonly Omitted Code Information Required on Construction Documents** | | |
| No. | Topic | NYS Code Section *(unless otherwise noted)* |
| **2020 Building Code of New York State** | | |
| 1 | Construction Documents | BC 1603 |
| 2 | Flood Hazard Documentation | BC 1612.4 |
| 3 | Structural Concrete | BC 1901.5 |
| 4 | Masonry – Special Inspection Information | BC 2101.3 |
| 5 | Steel Joist Design Data | BC 2207.2 |
| 6 | Glass Supports | BC 2403.2 |
| 7 | Safeguards During Construction | BC CH 33 |
| **2020 Fire Code of New York State** | | |
| 1 | Construction Documents – Fire Department review before construction. Code Enforcement Official Approval Required | FC 501.3 |
| 2 | Fire Apparatus Access Road (Appendix D) | FC 503 |
| 3 | Fire Protection Systems | FC 901.2 |
| 4 | Fire Alarm and Detection Systems | FC 907.1.1 |
| 5 | Smoke Control Systems | FC 909.2, FC 909.3, FC 909.4 |
| 6 | Fire Safety During Construction and Demolition | FC Chapter 33 |
| **2020 Energy Conservation Construction Code of New York State** | | |
| 1 | Information Required on Construction Documents | ECCC C105.2 |
| 2 | Written Statement | ECCC C105.2.2 |
| 3 | System Commissioning | ECCC C408.2.1 |
| 4 | Changes during construction | ECCC C105.4 |
| 5 | Duct Construction | ECCC C403.11.2 |
| 6 | Manuals – Operating and Maintenance | ECCC C408.3.2.2 |
| **2020 Existing Building Code of New York State** | | |
| 1 | Work Areas Indicated on Construction Documents | EBC 501.02 |

| **2020 CODE COMPLIANCE REVIEW CHECKLIST** | | | | | OGS Project No. | |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Description: *(Project Title, Facility Name and Address)* | | Building Name(s)/No.(s): | | | | Client Agency: | | Date: |
|  | | Estimated Project Cost: | | | | Architect/Engineer: | | |
| Project Type: *(Check all that apply.)*  **New** Building or any other structure (*skip section EBC below and continue to page 2*)  **Existing** Building - Refer to **EBC** *section below.* | | | | | | | | |
| Work Involved: *(Check all that apply.)*  General Construction  Roofing  Asbestos Abatement/Environmental  Fire Alarm  Structural  Mechanical | | | | | | | | |
| Plumbing  Electrical  Site Work  Sprinkler  Elevators  Other | | | |  | | | | |
| Code Enforcement Jurisdiction:  OGS  Other |  | | Department of State Variance Requested:  YES  NO | Occupancy Classification(s) *Chapter 3*: | | | | |
|  |  | |  | Construction Classification(s) *Chapter 6*: | | | | |

| **EBC - 2020 Existing Building code of new york state**  101.2 **Scope.** The provisions of this code shall apply to the repair, alteration, change of occupancy, addition to and relocation of existing buildings.  *(See 101.2 from the 2020 Existing Building Code of New York State for exceptions.)*  The NYS OGS code enforcement program requires a *Construction Permit* for all demolition work**.** |
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| **Chapter 3:** Buildings and structures must satisfy Provisions for All Compliance Methods. Additionally, this project utilizes the: *(Check one.)*  Chapter 4: Repairs  Chapter 5: Prescriptive compliance method and with the *2020 Fire Code of New York State*  Chapters 6-12: Work area compliance method *and is indicated on the accompanying Construction Documents per 301.3.2 and 601.2 Work Area*  Chapter 13: Performance compliance methods per 301.3.3 and Chapter 13 *(Attach and submit evaluation to this document, see* ***table******1301.7****).* |
| --- |
| **Chapter 6:** Classification of Work – Refer to Chapters 7, 8, 9, 10, 11, 12 and 14 for detailed scope for each classification. *(Check any and all that apply.)*  Chapter 7: Alteration - Level 1  Chapter 10: Change of Occupancy Additions  Chapter 8: Alteration - Level 2  Chapter 11: Additions  Chapter 9: Alteration - Level 3  Chapter 12: Historic Buildings  Chapter 14: Relocated Buildings |
| **Other:** Confirm the *accompanying Construction Documents* clearly illustrate conformance to:  Sections 707, 810, 907 and/or 1107 – Energy Conservation *and* Sections 502.7, 503.15, 804 and 1105 carbon monoxide alarms and detectors |
| **Additionally**, confirm all Appendices reviewed, utilized, and is *indicated on the accompanying Construction Documents***:** *(Check any and all that apply.)*  **101.6 Appendices:**  Appendix A – Guidelines for the Seismic Retrofit of Existing Buildings  Appendix B – Sup. Accessibility Reqmt’s Exist. Buildings & Facilities  Appendix D – Diaper Changing Stations  Appendix C – Guidelines for the Wind Retrofit of Existing Buildings  Resource A – Guidelines on Fire Ratings of Archaic Materials & Assemblies |

| **Key:**  ▲ **Shall be indicated on the construction documents issued with construction permits.**  **♥** *(Future identifier - Not Used)*  **■ Provide additional information below**  **♦ Attach analysis** | | | | **Abbreviations:** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BC:** Building Code  **EBC:** Existing Building Code **FC:** Fire Code  **PC:** Plumbing Code | | | **MC:** Mechanical Code  **FGC:** Fuel Gas Code  **ECCC:** Energy Conservation  Construction Code | | |
| No. | | Topic | **SEE KEY** | Building Code Section *(unless otherwise noted)* | | EBC Code | Minimum Requirements from Code | | Specify Actual |
|  | | **2020 Fire Code of New York State** | | | | | | | |
| 1 | | Fire Apparatus Access Road | **▲** | FC 503.1 | |  |  | |  |
|  | | **2020 Building Code of New York State** | | | | | | | |
| 1 | | High Rise Buildings |  | BC 403 | |  |  | |  |
|  | | Automatic Sprinkler System |  | BC 403.3 | | EBC 803.2.1 / 904.1 |  | |  |
|  | | Emergency Systems |  | BC 403.4 | |  |  | |  |
|  | | Fire Alarm System |  | BC 403.4.2 | |  |  | |  |
|  | | Standby and Emergency Power |  | BC 403.4.8 | |  |  | |  |
| 2 | | Atriums |  | BC 404 | |  |  | |  |
|  | | Automatic Sprinkler Protection |  | BC 404.3 | |  |  | |  |
|  | | Smoke Control |  | BC 404.5 | |  |  | |  |
|  | | Enclosure of atriums |  | BC 404.6 | |  |  | |  |
|  | | Standby Power |  | BC 404.7 | |  |  | |  |
|  | | Exit Travel Distance |  | BC 404.9 – 404.10 | |  |  | |  |
| 3 | | Control Areas | **▲■** | BC 414.2 | |  |  | |  |
| 4 | | General Buildings Heights & Areas | **▲■** | BC 501 / 503,  Table 506.2 | |  |  | |  |
| 5 | | Mixed Occupancies | **▲♦** | BC 508.1 | | EBC 1301.6.16 |  | |  |
|  | | Non-separated Occupancies |  | BC 508.3 | |  |  | |  |
|  | | Separated Occupancies  (Ratio < 1) |  | BC 508.4 | |  |  | |  |
| 6 | | Incidental Use Areas |  | BC 509.1 | | EBC 1301.6.19 |  | |  |
|  | | Non-separated Occupancies |  | BC 508.3 | |  |  | |  |
| 7 | | Exterior Wall Fire-Resistance Rating † | **♥** | BC 602.1  Table 602 | | EBC 1011.6 |  | |  |
|  | | Exterior Fire Separation Distance † |  | BC 602.1  Table 602 | |  |  | |  |
| 8 | | Fire Resistive Construction |  | BC 701.1 | |  |  | |  |
|  | | Exterior Wall: Allowable Area of Openings | **▲♦** | BC 705.8.1 | |  |  | |  |
|  | | Protected Openings |  | BC 705.8.2 | |  |  | |  |
|  | | Unprotected Openings |  | BC 705.8.3 | |  |  | |  |
|  | | Exterior Wall: Vertical Separation of Openings |  | BC 705.8.5 | |  |  | |  |
|  | | Parapets |  | BC 705.11 | |  |  | |  |
|  | | Fire Walls |  | BC 706 | |  |  | |  |
|  | | Fire Barriers |  | BC 707 | |  |  | |  |
|  | | Fire Partitions |  | BC 708 | |  |  | |  |
|  | | Smoke Barriers |  | BC 709 | |  |  | |  |
|  | | Smoke Partitions |  | BC 710 | |  |  | |  |
|  | | Vertical Openings |  | BC 712 | |  |  | |  |

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| No. | | Topic | **SEE KEY** | Building Code Section *(unless otherwise noted)* | | EBC Code | Minimum Requirements from Code | | Specify Actual |
|  | | Shaft Enclosures |  | BC 713 | |  |  | |  |
|  | | Penetrations |  | BC 714 | |  |  | |  |
|  | | Fire Resistant Joint Systems |  | BC 715 | |  |  | |  |
|  | | Opening Protectives |  | BC 716 | |  |  | |  |
|  | | Concealed Spaces |  | BC 718 | |  |  | |  |
| 9 | | Interior Finishes: General |  | BC 801 | | EBC 702.1 / 802.4 / 903.3 |  | |  |
|  | | Interior wall and ceiling finish requirements by occupancy |  | BC Table 803.13 | |  |  | |  |
| 10 | | Fire Protection Systems: General |  | BC 901.1 | | EBC 703 / 803 / 904 |  | |  |
|  | | Automatic Sprinkler System |  | BC 903 | |  |  | |  |
|  | | Alt. Automatic Fire Extinguishing System |  | BC 904 | |  |  | |  |
|  | | Standpipe Systems |  | BC 905 | |  |  | |  |
|  | | Portable Fire Extinguishers |  | BC 906 | |  |  | |  |
|  | | Fire Alarm & Detection Systems | **▲** | BC 907 | |  |  | |  |
|  | | Smoke Detection System |  | BC907.2.10.7 | |  |  | |  |
|  | | Smoke Control | **▲** | BC 909 | |  |  | |  |
|  | | Smokeproof Enclosures | **▲** | BC 909.20 | |  |  | |  |
|  | | Fire Command Center |  | BC 911 | |  |  | |  |
| 11 | | Means of Egress | **▲■** | BC 1001.1 | | EBC 704 / 805 / 905 |  | |  |
|  | | Means of Egress Illumination |  | BC 1008 | |  |  | |  |
|  | | Accessible Means of Egress |  | BC 1009 | |  |  | |  |
|  | | Areas of Refuge |  | BC 1009.6 | |  |  | |  |
|  | | Door Hardware Release of  Elect. Locked Egress Doors |  | BC 1010.1.9.10 | |  |  | |  |
|  | | Panic and Fire Exit Hardware |  | BC 1010.1.10 | |  |  | |  |
|  | | Riser Height and Tread Depth |  | BC 1011.5.2 | |  |  | |  |
|  | | Handrails |  | BC 1011.11 | |  |  | |  |
|  | | Ramps |  | BC 1012 | |  |  | |  |
|  | | Exit Signs |  | BC 1013 | |  |  | |  |
|  | | Egress Through  Intervening Spaces |  | BC 1016.2 | |  |  | |  |
|  | | Exit Access Travel Distance |  | BC 1017.3 | |  |  | |  |
|  | | Corridor  Fire-Resistance Rating |  | Table BC 1020.1 | |  |  | |  |
|  | | Width and Capacity |  | BC 1020.2 | |  |  | |  |
|  | | Dead Ends |  | BC 1020.4 | |  |  | |  |
|  | | Interior Exit Stairways and Ramps |  | BC 1023 | |  |  | |  |
|  | | Smoke proof Enclosure |  | BC 1023.11 | |  |  | |  |

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| No. | | Topic | **SEE KEY** | Building Code Section *(unless otherwise noted)* | | EBC Code | Minimum Requirements from Code | | Specify Actual |
|  | | Horizontal Exits |  | BC 1026 | |  |  | |  |
|  | | Exterior  Exit Stairways and Ramps/Discharge |  | BC 1027/28 | |  |  | |  |
|  | | Assembly |  | BC 1029 | |  |  | |  |
|  | | Common Path of  Egress Travel |  | BC 1029.8 | |  |  | |  |
|  | |  |  |  | |  |  | |  |
| 12 | | Accessibility | ▲ | BC 1101 ICC A117.1 (2009) | | EBC 301.5 / 305 |  | |  |
|  | | Accessible Route |  | BC 1104 | |  |  | |  |
|  | | Accessible Entrances |  | BC 1105 | |  |  | |  |
|  | | Parking |  | BC 1106 | |  |  | |  |
|  | | Dwelling/Sleeping Units |  | BC 1107 | |  |  | |  |
|  | | Toilet Rooms |  | BC 1109.2 | |  |  | |  |
|  | | Signage |  | BC 1111 | |  |  | |  |
| 13 | | Ventilation |  | BC1202 | |  |  | |  |
|  | | Light: Natural / Artificial |  | BC 1204.2 / 1204.3 | |  |  | |  |
| 14 | | Minimum Ceiling Heights |  | BC 1207.2 | | EBC 801.3 |  | |  |
| 15 | | Energy Conservation | ▲■ | BC 1301 (see ECCC) | | EBC 707 / 810 / 907 |  | |  |
| 16 | | Fire Classification – Roof Assembly |  | BC 1505 | |  |  | |  |
|  | | Roof Coverings |  | BC 1507 | |  |  | |  |
| 17 | | Structural / Const. Documents | ▲■ | BC 1603 | | EBC 405 / 706 / 806 / 906 |  | |  |
|  | | Risk Category |  | BC 1604.5 | |  |  | |  |
| 18 | | Foundations | ▲■ | BC1808 / 1809 / 1810 | |  |  | |  |
| 19 | | Safety Glazing |  | BC 2406 | |  |  | |  |
| 20 | | Electrical |  |  | | EBC 406 607 / 807 / 1007 |  | |  |
|  | | Emergency and  Standby Power |  | BC 2702 | |  |  | |  |
|  | | Elevators and Platform Lifts |  | BC 2702.2.2 / Chpt. 30 | |  |  | |  |
|  | | Exit Signs |  | BC 2702.2.6 | |  |  | |  |
|  | | High Rise Building |  | BC 2702.2.11 | |  |  | |  |
|  | | Means of Egress Illumination |  | BC 2702.2.13 | |  |  | |  |
|  | | Smoke Control Systems |  | BC 2702.2.16 | |  |  | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BC:** Building Code  **EBC:** Existing Building Code **FC:** Fire Code  **PC:** Plumbing Code | | | **MC:** Mechanical Code  **FGC:** Fuel Gas Code  **ECCC:** Energy Conservation  Construction Code | | |
| No. | | Topic | **SEE KEY** | Building Code Section *(unless otherwise noted)* | | EBC Code | Minimum Requirements from Code | | Specify Actual |
|  | | **2020 Mechanical Code of New York State** | | | | | | | |
| 1 | | Mechanical Systems |  | BC 2801.1 | | EBC 407 / 707.1 / 808  / 1008 |  | |  |
|  | | Ducts and  Air Transfer Openings | ▲ | BC 717 & BC 717.5 | |  |  | |  |
|  | | Fan Shutdown |  | MC 606.4 | |  |  | |  |
|  | | Combustion Air | ▲ | MC 701 / FGC 304.1 | |  |  | |  |
|  | | Chimneys,  Flues and Gas Vents | ▲ | MC 801.2 & BC 2113.1 | |  | *Provide diameter of chimney or gas vents* | |  |
|  | | Boilers (required by NYS DOL ICR Part 4 / Part 14) |  | MC 1004.1.1 | |  |  | |  |
|  | | **2020 Plumbing Code of New York State** | | | | | | | |
| 1 | | Plumbing |  | BC 2901.1 | | EBC 408 / 708.1 / 809 / 1009 |  | |  |
|  | | Fixture Count | ▲ | BC 2902.1 & PC 403.1 | |  |  | |  |
|  | | Maximum Consumption |  | PC 604.4 | |  |  | |  |
|  | | Available  Street Water Pressure | ▲ | PC 604.6 / 604.7 / 604.8 | |  |  | |  |
|  | | Fixture Units |  | PC 709.1 | |  |  | |  |
|  | | Building Traps |  | PC 1002.6 | |  |  | |  |
|  | | NYS DOH Approvals /  Water Supply | ▲ | NYCRR Title 10, Chap. 1, Part 5, Subpart 5.1  “10 State” Standards | |  | *Confirm submission to:*  *NYS Dept. of Heath* | |  |
|  | | **2020 Building Code of New York State (Elevators and other)** | | | | | | | |
| A | | Elevator Emergency Operation | ▲ | BC 3003.2 | |  |  | |  |
|  | | Elevator Lobbies and Hoist way Opening Protection |  | BC 3006 | |  |  | |  |
| B | | Identification of truss type construction | ▲ | See Title 19 NYCRR, **Part** **1264** (link bottom of page at:  <https://www.dos.ny.gov/dcea/laws_regs.html> | | |  | |  |

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| **ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE (BC 504) TABLE 504.3** | | | |
| Occupancy Classifications | NS / S / S13R / S13D | Type of Construction | Allowable Building Height |
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| **ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (BC 504) TABLE 504.4** | | | |
| Occupancy Classifications | NS or S | Type of Construction | Allowable number of Stories |
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| **ALLOWABLE AREA FACTOR BC 506, TABLE 506.2** | | | |
| Occupancy Classifications | NS / SI / SM /  S13R / S13D | Type of Construction | Allowable Actual (SF) |
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| Section 506.3 Frontage Increase Equation 5-5 | |  |  |
| ACTUAL: | | ALLOWABLE: |  |

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| **Occupant load AND MEANS OF EGRESS SIZING BC 1004 AND BC 1005** | | | | | | | | | |
| **FUNCTION OF SPACE** | **(a)** | **(b)** | **(c)** | **(d)** | | **exit width (in)** | | | |
| **area sq. ft.** | **area per occupant**  **(table 1004.5)** | **occupant load**  **(a÷b)** | **egress width per occupant (1005)** | | **required width**  **(section 1005)** | | **actual width shown on plans** | |
| **stair** | **level** | stair | **level** | **stair** | **level** |
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| **Number and arrangement of exits (BC Chapter 10)** | | | | | | |
| floor, room or space designation | minimum number of exits | | travel distance  (1017) | | arrangement means of egress (1022.2.2) | |
| REQUIRED | ACTUAL | ALLOWABLE | ACTUAL | REQUIRED DISTANCE BETWEEN EXIT DOORS | ACTUAL DISTANCE SHOWN ON PLANS |
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| **STRUCTURAL DESIGN** | | | |
| **Design Loads** | **Item** | **Value** | **Notes** |
| Importance Factors (BC1604.5) | Risk Category  Wind  Snow (IS)  Seismic (IE) |  |  |
| Dead Loads (BC1606) | Roof  Floor | (psf)  (psf) |  |
| Live Loads (BC 1607) | Roof  Floor | (psf)  (psf) |  |
| Snow Load (BC 1608) | 1. Ground Snow Load Pg 2. Snow Exposure Ce 3. Snow Loading Is 4. Thermal Factor Ct 5. Flat Roof Snow Load Pf 6. Drift Surcharge Pd 7. Width w | (psf)        (psf)  (psf)  (ft) |  |
| Wind Load (BC1609) | Vult Wind Speed (3 sec. gust)  Vasd Wind Speed (3 sec. gust)  Exposure Category  Interior Zones  End Zones  Corner Zones | mph (ASCE 7-10)  mph (ASCE 7-10)    (psf)  (psf)  (psf) |  |
| **Seismic Requirements**  **(BC 1613 – ASCE 7, CH 10)** | **Item** | **Value** | **Notes** |
| General | Seismic Risk Category  Site Class  Seismic Design Category |  |  |
| Spectral Response  *Acceleration*  *Parameters*  *Coefficients* | SS  S1  SMS  SM1  SDs  SD1  Faa  Fva | %g  %g  %g  %g  %g  %g  %g  %g |  |
| Basic Structural System  (check one, from section BC 1616) | Bearing Wall  Building Frame  Moment Frame  Dual w/ Special Moment Frame  Dual w/ Intermediate R/C or Special Steel  Inverted Pendulum |  |  |
| Other | Design Base Shear  Seismic Response Coefficient (CS)  Response Modification Coefficient (R) |  |  |
| Analysis Procedure | Simplified  Equivalent Lateral Force  Modal |  |  |
| Architectural, Mechanical, Components anchored?  (specify which, if any) |  |  |  |
| Lateral Design Control | Earthquake  Wind |  |  |
| **Foundations (BC1801)** | **Item** | **Value** | **Notes** |
| Soil Bearing Capacities  **(BC 1803, 1806)** |  |  |  |
|  | Field Test (provide copy of test report) | psf |  |
|  | Presumptive Bearing capacity | psf |  |
|  | Pile size, type and capacity |  |  |

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| **COMBUSTION AIR (MC 701.1 and FGC 304.1) (304.5)** | | | | | | | | |
| Heating Appliance | BTUH Input | No. of openings | BTUH/Sq. In. | | | | Sq In Free Area | Sq In Free Area |
|  |  |  | 1000 | 2000 | 3000 | 4000 | Gross | Net |
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**Total (Sq. In.):**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **plumbing fixture requirements (BC 2902.1), PC 403** | | | | | | | | | |
| **occupancy** | **waterclosets** | | **urinals**  **(PC424.2)** | **lavatories** | | **showers/ tubs & Eyewash** | **drinking fountains** | | **Service Sink** |
| **male** | **female** | **male** | **female** | **Regular** | **Accessible** |
|  |  |  |  |  |  |  |  |  |  |
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| --- |
| **ADDITIONAL COMMENTS:** |

| **ENERGY CODE COMPLIANCE CHECKLIST** | | Project No.: | | |  | |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | |
| Project Description: *(Project Title, Facility Name and Address)* | Building Name(s)/No.(s): | | | Client Agency: | | Date: |
| DOS Variance Requested:  Yes  No | | |
| **Energy Code Compliance Path:**  **ASHRAE 90.1 Compliance Path**  **Prescriptive 2020 Energy Conservation Construction Code**  **2020 Energy Conservation Construction Code (High Performance)** | | | **Energy Code Building Type:**  **Residential**  **Commercial** | | | |
| **Demonstrated Compliance:**  **REScheck**  **COMcheck**  **Modeling** | | | |

The use of the software (COMcheck, REScheck and DOE-2 Based) or modeling approach to demonstrate compliance does not excuse compliance with any mandatory provision of the 2020 ECCC Commercial Provisions or ASHRAE 90.1 – 2016 as applicable.

**2020 Energy Conservation Construction Code of New York State - C105.2 Information on construction documents:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Prescriptive Code Requirement** | **Drawing No./**  **Spec. Section No.** | **Detail Nos./ Spec. Subsection** | **Not Applicable** |
| 1. Insulation materials and their *R*-values |  |  |  |
| 1. Fenestration *U*-factor and solar heat gain coefficient (SHGC) |  |  |  |
| 1. Area-weighted *U*-factor and solar heat gain coefficient (SHGC) calculations |  |  |  |
| 1. Mechanical system design criteria |  |  |  |
| 1. Mechanical and service water heating system and equipment types, sizes and efficiencies |  |  |  |
| 1. Economizer description |  |  |  |
| 1. Equipment and system controls |  |  |  |
| 1. Fan motor horsepower (hp) and controls |  |  |  |
| 1. Duct sealing, duct and pipe insulation and location |  |  |  |
| 1. Lighting fixture schedule with wattage and control narrative |  |  |  |
| 1. Location of *daylight zones* on floor plans |  |  |  |
| 1. Air sealing details |  |  |  |
| Building Thermal Envelope Depiction (C105.2.1) |  |  |  |
| Written Statement (C105.2.2) |  |  |  |
| Additional Efficiency Packages (C406.1) – Specify which (1-5): |  |  |  |