



2019 Nonresidential - Title 24, Part 6
Building Inspector
Energy Inspection Checklist

Review Date: _____

Permit Number: _____

Permit Applicant _____

Project Name: _____

Phone: _____ Email: _____

Project Address: _____

Plans Examiner: _____

Phone: _____ Email: _____

Do installed measures match NRCC and meet all mandatory requirements?		YES	NO
Have the most recent NRCC forms been provided for all installed features? www.energycodeace.com/NonresidentialForms/2019	§10-103	<input type="checkbox"/>	<input type="checkbox"/>
Are all NRCI/NRCA/NRCV documents signed and dated by the:	§10-103	<input type="checkbox"/>	<input type="checkbox"/>
Responsible building designers or owner? <i>Electronic or wet signature</i>			
Documentation author? <i>Electronic or wet signature</i>			
Have the appropriate forms been registered with a HERS provider (when HERS is required)?			
Lighting and Mechanical NRCA forms signed by the Certified Acceptance Test Technician (Mechanical ATTCP required as of October 1, 2021)			
New NR buildings or buildings with NR building space require: ≥10,000 ft²: Owner Project Requirements, Basis of Design, Design Phase Design Review, Commissioning Measures Shown on the Construction Documents, Commissioning Plan, Functional Performance Testing, Documentation and Training, and Commissioning Report. <10,000 ft²: Design Phase Design Review and Commissioning Measure Shown in the Construction Documents.	Functional Performance Testing / O&M Manual and Training §120.8	<input type="checkbox"/>	<input type="checkbox"/>

MEASURE	REQUIRED FORMS			Notes	YES	NO	
	NRCI	NRCA	NRCV				
SOLAR READY (NRCC-SRA)							
Confirm path taken (01, 02, 03, 04, 05)	SPV-01				<input type="checkbox"/>	<input type="checkbox"/>	
Minimum Solar Zone Area provided					<input type="checkbox"/>	<input type="checkbox"/>	
ENVELOPE (NRCC-ENV AND/OR NRCC-PRF)							
Exterior and demising wall construction details (i.e., cavity and continuous insulation)	ENV-01				<input type="checkbox"/>	<input type="checkbox"/>	
Roof construction details					<input type="checkbox"/>	<input type="checkbox"/>	
Cool roof: CRRC label verified					<input type="checkbox"/>	<input type="checkbox"/>	
Floor construction details					<input type="checkbox"/>	<input type="checkbox"/>	
Fenestration, by type:					<input type="checkbox"/>	<input type="checkbox"/>	
Area at each orientation <NRCC					<input type="checkbox"/>	<input type="checkbox"/>	
U-factor (NFRC, site built, default)		ENV-02				<input type="checkbox"/>	<input type="checkbox"/>
SHGC (NFRC, site built, default)						<input type="checkbox"/>	<input type="checkbox"/>
Visual transmittance (VT)					<input type="checkbox"/>	<input type="checkbox"/>	
Exterior shading (i.e., overhangs, exterior shades)					<input type="checkbox"/>	<input type="checkbox"/>	
Daylighting Design PAFs (clerestory fenestrations, interior/exterior horizontal slats or light shelves):					<input type="checkbox"/>	<input type="checkbox"/>	
Skylit Area		ENV-03				<input type="checkbox"/>	<input type="checkbox"/>
Sidelit Area						<input type="checkbox"/>	<input type="checkbox"/>



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MEASURE	REQUIRED FORMS			Notes	YES	NO	
	NRCI	NRCA	NRCV				
ELECTRICAL (NRCC-ELC)							
Service metering	ELC-01				<input type="checkbox"/>	<input type="checkbox"/>	
Separation of electrical circuits					<input type="checkbox"/>	<input type="checkbox"/>	
Voltage drop					<input type="checkbox"/>	<input type="checkbox"/>	
Circuit controls for 120V receptacles					<input type="checkbox"/>	<input type="checkbox"/>	
MECHANICAL HVAC (NRCC-MCH AND/OR NRCC-PRF)							
HVAC dry (airside) system efficiency and capacity	MCH-01	MCH-03 MCH-07 MCH-16			<input type="checkbox"/>	<input type="checkbox"/>	
HVAC wet (hydronic) system efficiency and capacity		MCH-08 MCH-09 MCH-10 MCH-14 MCH-15 MCH-16 MCH-17			<input type="checkbox"/>	<input type="checkbox"/>	
Duct insulation and leakage		MCH-04	<input type="checkbox"/> If applicable		<input type="checkbox"/>	<input type="checkbox"/>	
Economizer		MCH-05 MCH-12 MCH-13 MCH-14			<input type="checkbox"/>	<input type="checkbox"/>	
Controls (e.g., occupancy sensors, demand shed and EMCs)		MCH-06 MCH-11 MCH-18 MCH-19			<input type="checkbox"/>	<input type="checkbox"/>	
Ventilation		MCH-02 MCH-07	MCH-24		<input type="checkbox"/>	<input type="checkbox"/>	
PLUMBING (NRCC-PLB AND/OR NRCC-PRF)							
Water heater/boiler efficiency and capacity		PLB-01				<input type="checkbox"/>	<input type="checkbox"/>
Pipe insulation values (including hydronic systems) (Mandatory)						<input type="checkbox"/>	<input type="checkbox"/>
Solar water heating system (solar fraction)		STH-01				<input type="checkbox"/>	<input type="checkbox"/>
High rise residential/hotel and motel: Water heater/boiler efficiency and capacity Distribution	PLB-02 PLB-03				<input type="checkbox"/>	<input type="checkbox"/>	
HERS verified distribution	PLB-21 PLB-22		<input type="checkbox"/> If applicable		<input type="checkbox"/>	<input type="checkbox"/>	
LIGHTING							
INDOOR LIGHTING (NRCC-LTI AND/OR NRCC-PRF)							
Number and type of luminaire:	LTI-01				<input type="checkbox"/>	<input type="checkbox"/>	
Conditioned spaces					<input type="checkbox"/>	<input type="checkbox"/>	
Unconditioned spaces					<input type="checkbox"/>	<input type="checkbox"/>	
Tailored lighting					<input type="checkbox"/>	<input type="checkbox"/>	
Video Conference Lighting	LTI-06				<input type="checkbox"/>	<input type="checkbox"/>	

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	NRCI	NRCA	NRCV			
INDOOR LIGHTING (NRCC-LTI AND/OR NRCC-PRF) <i>continued</i>						
Controls:						
Mandatory	LTI-01	LTI-02 LTI-03 LTI-04			<input type="checkbox"/>	<input type="checkbox"/>
Prescriptive					<input type="checkbox"/>	<input type="checkbox"/>
Tailored lighting (must be controlled separately)					<input type="checkbox"/>	<input type="checkbox"/>
EMCS			LTI-02			<input type="checkbox"/>
Two interlocked lighting systems	LTI-04				<input type="checkbox"/>	<input type="checkbox"/>
PAF (controls for credit)	LTI-05	LTI-05			<input type="checkbox"/>	<input type="checkbox"/>
OUTDOOR LIGHTING (NRCC-LTO)						
Illuminated area (ft ²), Cutoff	LTO-01				<input type="checkbox"/>	<input type="checkbox"/>
Number and type of luminaire					<input type="checkbox"/>	<input type="checkbox"/>
Controls (i.e., shut-off, occupancy sensors)		LTO-02				<input type="checkbox"/>
EMCS	LTO-02				<input type="checkbox"/>	<input type="checkbox"/>
SIGN LIGHTING (NRCC-LTS)						
Lighting power compliance method: Maximum allowed lighting power Alternate light sources Energy verified label	LTS-01				<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
Controls (i.e., shut-off, dimmers)						<input type="checkbox"/>
COVERED PROCESSES (NRCC-PRC)						
PARKING GARAGES						
Design ventilation / minimum ventilation	PRC-01	PRC-03			<input type="checkbox"/>	<input type="checkbox"/>
Reduced ventilation / controls					<input type="checkbox"/>	<input type="checkbox"/>
Pressurization					<input type="checkbox"/>	<input type="checkbox"/>
CO sensors					<input type="checkbox"/>	<input type="checkbox"/>
COMMERCIAL KITCHENS						
Hood limits on short-circuit flow	PRC-01	PRC-02			<input type="checkbox"/>	<input type="checkbox"/>
Hood flow rate limits meet Table 104.9-A					<input type="checkbox"/>	<input type="checkbox"/>
Make-up air					<input type="checkbox"/>	<input type="checkbox"/>
Mechanical conditioning limits					<input type="checkbox"/>	<input type="checkbox"/>
COMPUTER ROOMS						
Economizers	PRC-01				<input type="checkbox"/>	<input type="checkbox"/>
Reheat not allowed					<input type="checkbox"/>	<input type="checkbox"/>
Non-adiabatic humidification not allowed					<input type="checkbox"/>	<input type="checkbox"/>
Fan power					<input type="checkbox"/>	<input type="checkbox"/>
Fan control						
Containment						<input type="checkbox"/>

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	NRCI	NRCA	NRCV			
COVERED PROCESSES (NRCC-PRC) <i>continued</i>						
COMMERCIAL REFRIGERATION						
Condenser/compressor efficiency	PRC-01				<input type="checkbox"/>	<input type="checkbox"/>
Fan power					<input type="checkbox"/>	<input type="checkbox"/>
Display case lighting					<input type="checkbox"/>	<input type="checkbox"/>
Heat recovery					<input type="checkbox"/>	<input type="checkbox"/>
REFRIGERATED WAREHOUSE						
Condenser/evaporator efficiency	PRC-01				<input type="checkbox"/>	<input type="checkbox"/>
Fan power		PRC-04			<input type="checkbox"/>	<input type="checkbox"/>
Insulation requirements		PRC-05			<input type="checkbox"/>	<input type="checkbox"/>
Air barrier		PRC-06			<input type="checkbox"/>	<input type="checkbox"/>
Controls		PRC-07			<input type="checkbox"/>	<input type="checkbox"/>
Adiabatic Condensers		PRC-08			<input type="checkbox"/>	<input type="checkbox"/>
LABORATORY EXHAUST						
Minimum ACH required	PRC-01				<input type="checkbox"/>	<input type="checkbox"/>
VAV controls		PRC-14			<input type="checkbox"/>	<input type="checkbox"/>
Transfer Air					<input type="checkbox"/>	<input type="checkbox"/>
Fan Power					<input type="checkbox"/>	<input type="checkbox"/>
Hood Sash Closure			PRC-15			<input type="checkbox"/>
COMPRESSED AIR SYSTEMS						
Trim compressor and storage	PRC-01	PRC-01			<input type="checkbox"/>	<input type="checkbox"/>
Staging controls					<input type="checkbox"/>	<input type="checkbox"/>
PROCESS BOILERS						
Combustion air shutoff	PRC-01				<input type="checkbox"/>	<input type="checkbox"/>
Fan speed control					<input type="checkbox"/>	<input type="checkbox"/>
Excess oxygen limits					<input type="checkbox"/>	<input type="checkbox"/>
ELEVATORS						
Lighting	PRC-01	PRC-12			<input type="checkbox"/>	<input type="checkbox"/>
Ventilation					<input type="checkbox"/>	<input type="checkbox"/>
ESCALATORS AND MOVING WALKWAYS						
Speed Control	PRC-01	PRC-13			<input type="checkbox"/>	<input type="checkbox"/>



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