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Compliance Certificate

Project 1445 Shady Oaks Drive

Energy Code: **2021 IECC**
 Location: **Southlake, Texas**
 Construction Type: **Single-family**
 Project Type: **New Construction**
 Orientation: **Bldg. faces 0 deg. from North**
 Conditioned Floor Area: **13,193 ft2**
 Glazing Area **18%**
 Climate Zone: **2 (2683 HDD)**
 Permit Date:
 Permit Number:

Construction Site:
 1445 Shady Oaks Drive
 Southlake, TX 76092

Owner/Agent:
 Bailey Draper
 Draper Custom Homes
 1445 Shady Oaks Drive
 Southlake, TX 76092
 817 925 5484
 draperhomes@gmail.com

Designer/Contractor:
 Craig Brooks
 WebReps LLC.
 1880 82nd Avenue Suite # 203
 Vero Beach, FL 32966
 800-810-3280
 manualj@webrepshvac.com

Compliance: Passes using performance alternative

Compliance: **6.8% Better Than Code**

Sample

Slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Ceiling 1: Flat Ceiling or Scissor Truss	5,380	0.0	30.0	0.031	0.026	167	140
Ceiling 2: Flat Ceiling or Scissor Truss	2,155	0.0	30.0	0.031	0.026	67	56
Wall 1: Wood Frame, 16" o.c. Orientation: Front	2,886	0.0	20.0	0.041	0.084	112	230
Window 1: Other SHGC: 0.21 Orientation: Front	6			0.210	0.400	1	2
Window 2: Other SHGC: 0.21 Orientation: Front	12			0.210	0.400	3	5
Window 3: Other SHGC: 0.21 Orientation: Front	8			0.210	0.400	2	3
Window 9: Other SHGC: 0.21 Orientation: Front	9			0.210	0.400	2	4

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Window 4: Other SHGC: 0.21 Orientation: Front	28			0.210	0.400	6	11
Window 5: Other SHGC: 0.21 Orientation: Front	28			0.210	0.400	6	11
Window 6: Other SHGC: 0.21 Orientation: Front	18			0.210	0.400	4	7
Window 7: Other SHGC: 0.21 Orientation: Front	18			0.210	0.400	4	7
Window 8: Other SHGC: 0.21 Orientation: Front	26			0.210	0.400	5	10
Wall 2: Wood Frame, 16" o.c. Orientation: Front	244	0.0	20.0	0.041	0.084	5	10
Window 10: Other SHGC: 0.21 Orientation: Front	8			0.210	0.400	2	3
Window 10: Other SHGC: 0.21 Orientation: Front	8			0.210	0.400	2	3
Window 3: Other SHGC: 0.21 Orientation: Front	28			0.210	0.400	6	11
Window 2: Other SHGC: 0.21 Orientation: Front	25			0.210	0.400	5	10
Window 11: Other SHGC: 0.21 Orientation: Front	5			0.210	0.400	11	21
Wall 3: Wood Frame, 16" o.c. Orientation: Right side	3,017	0	20.0	0.041	0.084	88	180
Window 4: Other SHGC: 0.21 Orientation: Right side	62			0.210	0.400	13	25
Window 1: Other SHGC: 0.21 Orientation: Right side	26			0.210	0.400	5	10
Window 12: Other SHGC: 0.21 Orientation: Right side	32			0.210	0.400	7	13
Window 13: Other SHGC: 0.21 Orientation: Right side	58			0.210	0.400	12	23
Window 11: Other SHGC: 0.21 Orientation: Right side	30			0.210	0.400	6	12
Window 14: Other SHGC: 0.21 Orientation: Right side	59			0.210	0.400	12	24
Window 10: Other SHGC: 0.21 Orientation: Right side	29			0.210	0.400	6	12
Window 3: Other SHGC: 0.21 Orientation: Right side	150			0.210	0.400	32	60
Window 2: Other SHGC: 0.21 Orientation: Right side	28			0.210	0.400	6	11

Sample

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Window 5: Other SHGC: 0.21 Orientation: Right side	41			0.210	0.400	9	17
Window 6: Other SHGC: 0.21 Orientation: Right side	18			0.210	0.400	4	7
Window 7: Other SHGC: 0.21 Orientation: Right side	19			0.210	0.400	4	7
Window 8: Other SHGC: 0.21 Orientation: Right side	115			0.210	0.400	24	46
Window 9: Other SHGC: 0.21 Orientation: Right side	25			0.210	0.400	5	10
Window 15: Other SHGC: 0.21 Orientation: Right side	36			0.210	0.400	8	14
Window 16: Other SHGC: 0.21 Orientation: Right side	21			0.210	0.400	4	8
Window 17: Other SHGC: 0.21 Orientation: Right side	120			0.210	0.400	25	48
Wall 4: Wood Frame, 16" o.c. Orientation: Right side	276	0.0	20.0	0.041	0.084	4	9
Window 12: Other SHGC: 0.21 Orientation: Right side	30			0.210	0.400	6	12
Window 4: Other SHGC: 0.21 Orientation: Right side	2			0.210	0.400	5	10
Window 3: Other SHGC: 0.21 Orientation: Right side	25			0.210	0.400	5	10
Window 2: Other SHGC: 0.21 Orientation: Right side	31			0.210	0.400	6	12
Window 5: Other SHGC: 0.21 Orientation: Right side	60			0.210	0.400	13	24
Wall 5: Wood Frame, 16" o.c. Orientation: Back	2,634	0.0	20.0	0.041	0.084	81	166
Window 2: Metal Frame SHGC: 0.73 Orientation: Back	108			0.210	0.400	23	43
Window 6: Metal Frame SHGC: 0.73 Orientation: Back	75			0.210	0.400	16	30
Window 13: Metal Frame SHGC: 0.73 Orientation: Back	199			0.210	0.400	42	80
Window 5: Metal Frame SHGC: 0.73 Orientation: Back	63			0.210	0.400	13	25
Window 4: Metal Frame SHGC: 0.73 Orientation: Back	54			0.210	0.400	11	22
Window 3: Metal Frame SHGC: 0.73 Orientation: Back	108			0.210	0.400	23	43

Sample

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Window 1: Metal Frame SHGC: 0.73 Orientation: Back	52			0.210	0.400	11	21
Wall 6: Wood Frame, 16" o.c. Orientation: Back	74	0.0	20.0	0.041	0.084	2	4
Window 2: Metal Frame SHGC: 0.73 Orientation: Back	12			0.210	0.400	2	5
Window 1: Metal Frame SHGC: 0.73 Orientation: Back	10			0.210	0.400	2	4
Wall 7: Wood Frame, 16" o.c. Orientation: Left side	3,349	0.0	20.0	0.041	0.084	117	240
Door 1: Solid Orientation: Left side	50			0.250	0.400	13	20
Window 1: Other SHGC: 0.21 Orientation: Left side	12			0.210	0.400	3	5
Window 5: Other SHGC: 0.21 Orientation: Left side	63			0.210	0.400	13	25
Window 6: Other SHGC: 0.21 Orientation: Left side	50			0.210	0.400	11	20
Window 4: Other SHGC: 0.21 Orientation: Left side	54			0.210	0.400	11	22
Window 3: Other SHGC: 0.21 Orientation: Left side	11			0.210	0.400	8	14
Window 2: Other SHGC: 0.21 Orientation: Left side	1			0.210	0.400	3	5
Window 7: Other SHGC: 0.21 Orientation: Left side	18			0.210	0.400	4	7
Window 9: Other SHGC: 0.21 Orientation: Left side	48			0.210	0.400	10	19
Window 8: Other SHGC: 0.21 Orientation: Left side	144			0.210	0.400	30	58
Wall 8: Wood Frame, 16" o.c. Orientation: Left side	204	0.0	20.0	0.041	0.084	7	15
Window 3: Other SHGC: 0.21 Orientation: Left side	9			0.210	0.400	2	4
Window 2: Other SHGC: 0.21 Orientation: Left side	10			0.210	0.400	2	4
Window 1: Other SHGC: 0.21 Orientation: Left side	9			0.210	0.400	2	4
Wall 9: Wood Frame, 16" o.c. Orientation: Left side	612	0.0	20.0	0.041	0.084	24	50
Door 1: Solid Orientation: Left side	21			0.250	0.400	5	8
Floor 2: Slab-On-Grade:Unheated Insulation depth: 0.0' Insulation position: No Insulation	18		0.0	0.730	0.730	0	0

Sample

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Floor 1: Slab-On-Grade:Unheated Insulation depth: 0.0' Insulation position: No Insulation	666		0.0	0.730	0.730	0	0

Additional Efficiency Package(s)

Required: 0 Proposed: 2

Description	Credits
Efficient HVAC Performance	1.0
Enhanced Envelope Performance	1.0

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2021 IECC requirements in REScheck Version : REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Craig C Brooks General Manager Craig C. Brooks September 5th, 2023
Name - Title Signature Date

Project Notes:
Job Number: 1445 Shady Oaks Drive
1445 Shady Oaks Drive, Southlake, TX

Sample



Inspection Checklist

Energy Code: 2021 IECC

Requirements: 95.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.1, 103.2 [PR1] ¹	Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope and energy compliance path represented on construction documents.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
103.1, 103.2, 403.8 [PR3] ¹	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
302.1, 403.7 [PR2] ²	Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official.	Heating: Btu/hr _____ Cooling: Btu/hr _____	Heating: Btu/hr _____ Cooling: Btu/hr _____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Sample

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.2 [FO1] ¹	Slab edge insulation R-value.	R-____ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	R-____ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<i>See the Envelope Assemblies table for values.</i>
303.2, 402.2.10 [FO2] ¹	Slab edge insulation installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.1.2 [FO3] ¹	Slab edge insulation depth/length.	____ ft	____ ft	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<i>See the Envelope Assemblies table for values.</i>
303.2.1 [FO11] ²	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.9 [FO12] ²	Snow and ice-melting system controls installed to shut off system when pavement temperature > 50F and no precipitation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Sample

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1, 402.3.4 [FR1] ¹	Door U-factor.	U- ____	U- ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
402.1, 402.3.1, 402.3.3, 402.5 [FR2] ¹	Glazing U-factor (area-weighted average).	U- ____	U- ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
402.1, 402.3.2, 402.3.3, 402.5 [FR3] ¹	Glazing SHGC value (area-weighted average).	SHGC: ____	SHGC: ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
303.1.3 [FR4] ¹	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.4.1.1 [FR23] ¹	Air barrier and thermal barrier installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.4.3 [FR20] ¹	Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 1014.4 /A440 or has infiltration rates per NFRC 400 that do not exceed code limits.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.4.5 [FR16] ²	IC-rated recessed lighting fixtures sealed at housing, exterior finish and labeled to indicate airtightness leakage at 75 Pa.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
405.2 [FR25] ¹	All requirements of Table R405.2 are met and the building envelope levels of efficiency \geq 2009 IECC envelope efficiency.	R- ____	R- ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.3.7 [FR15] ³	Building cavities are not used as ducts or plenums.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.4 [FR17] ²	HVAC piping conveying fluids above 105 °F or chilled fluids below 55 °F are insulated to \geq R-3.	R- ____	R- ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.4.1 [FR24] ¹	Protection of insulation on HVAC piping.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.4.6 [FR29] ³	Electrical and communication boxes installed in the thermal boundary of the envelope sealed to limit air leakage between conditioned and unconditioned spaces.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.6 [FR19] ²	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts for mechanical ventilation systems.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.6.1 [FR30] ²	Ventilation systems in climate zones 7 & 8 shall utilize heat or energy recovery			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Sample

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1 [IN13] ²	All installed insulation is labeled or the installed R-values provided.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.1, 402.2.5, 402.2.6 [IN3] ¹	Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10).	R-_____ <input type="checkbox"/> Wood <input type="checkbox"/> Mass <input type="checkbox"/> Steel	R-_____ <input type="checkbox"/> Wood <input type="checkbox"/> Mass <input type="checkbox"/> Steel	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
303.2 [IN4] ¹	Wall insulation is installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Sample

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1, 402.2.1, 402.2.2, 402.2.6 [FI1] ¹	Ceiling insulation R-value.	R-____ <input type="checkbox"/> Wood <input type="checkbox"/> Steel	R-____ <input type="checkbox"/> Wood <input type="checkbox"/> Steel	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
303.1.1.1, 303.2 [FI2] ¹	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft ² .			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.2.3 [FI22] ²	Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
402.4.1.3 [FI17] ¹	Blower door test @ 50 Pa. <=5.0 ach in Climate Zones 1-2, and <=3.0 ach in Climate Zones 3-8.	ACH 50 = ____	ACH 50 = ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.3.5 [FI27] ¹	Ducts are pressure tested in accordance with ANEI/RESNET/ICC 380 or ASTM E1554 to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure.	____ cfm/100 ft ²	____ cfm/100 ft ²	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.3.6 [FI4] ¹	Duct tightness test result of <=4 cfm/100 ft ² across the system or <=3 cfm/100 ft ² without air handler @ 25 Pa. Duct tightness <= 8 cfm/100 ft ² for ducts within thermal envelope. For rough-in tests, verification may need to occur during Framing Inspection.	____ cfm/100 ft ²	____ cfm/100 ft ²	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.3.4.1 [FI24] ¹	Air handler leakage designated by manufacturer at <=2% of design air flow.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.7 [FI5] ¹	Heating and cooling equipment type and capacity as per plans.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.1.1 [FI9] ²	Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.1.2 [FI10] ²	Heat pump supplementary heat controls to prevent supplemental heat when heat pump compressor can serve the heating load.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Sample

1 High Impact (Tier 1)
2 Medium Impact (Tier 2)
3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
403.5.1 [FI11] ²	Circulating service hot water systems have automatic or accessible manual controls.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.2 [FI26] ²	Hot water boilers supplying heat through one- or two-pipe heating systems have automatic outdoor setback control to lower boiler water temperature based on outdoor temperature, indoor temperature or water temperature sensing.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.5.1.1 [FI28] ²	Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermos-syphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.5.1.2 [FI29] ²	Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.5.3 [FI31] ²	Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water-side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.6.2 [FI25] ²	All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits per Table R403.6.2.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.6.3 [FI33] ²	Mechanical ventilation systems tested and verified to meet the minimum flow rates required by Section R403.6.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
403.5.1.1.1 [FI32] ²	Demand recirculation water systems have automatic controls to start pump when hot water is requested.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
404.1 [FI6] ¹	100% of permanent fixtures have high efficacy lamps.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

1 High Impact (Tier 1)
2 Medium Impact (Tier 2)
3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
404.1.2 [FI23] ³	Fuel gas lighting systems have no continuous pilot light.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
404.1.1 [FI35] ³	Exterior lighting for multifamily buildings shall comply with Section C405.4.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
404.2 [FI36] ³	Permanent interior lighting shall be controlled with either a dimmer, occupancy sensor or other control built into the fixture.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
404.3 [FI37] ³	Exterior lighting \geq 30 watts shall have the following controls: manual on/off switch with automatic shut-off, automatic shut-off in daylight hours, and controls that override automatic shutoff that returns to automatic control within 24 hours.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
401.3 [FI7] ²	Compliance certificate posted with building specifications and compliance path and results.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
303.3 [FI18] ³	Manufacturer manuals for mechanical and water heating systems have been provided.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
408.2.1 [FI38] ³	Enhanced Envelope Performance Option: Proposed building U _e = 0.95 UA of 2021 IECC Standard Reference Design.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
408.2.2 [FI39] ³	Efficiency HVAC Package: Efficiencies \geq 95 AFUE gas furnace, 16 SEER air conditioner, 10 HSPF/16 SEER heat pump or 3.5 COP ground source heat pump.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Sample

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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2021 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
Above-Grade Wall	20.00
Below-Grade Wall	0.00
Floor	0.00
Ceiling / Roof	30.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.21	0.73
Door	0.25	

Heating & Cooling Equipment	Efficiency
Heating System: _____	_____
Cooling System: _____	_____
Water Heater: _____	_____

Name: _____ Date: _____
Comments _____

Sample