





N1101.13 (R401.2) — Projects shall comply with one of the following:  □ Option #1a — Prescriptive: Sections N1101.14 (R401) through N1104 (R404): N1102 (R402) Building Thermal Envelope. (Using toble N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION RECUIREMENTS BY COMPONENT) N1103 (R403) Systems. N1104 (R404) Electrical Power and Lighting Systems (Mandatory). Plus all mandatory provisions  □ Option #1b — Prescriptive-Using REScheck™ UA approach Only: Sections N1101.14 (R401) through N1104 (R404): N1102 (R402) Building Thermal Envelope. N1103 (R403) Systems. N1108 (R404) Electrical Power and Lighting Systems (Mandatory). Plus all mandatory provisions  □ Option #2 — Section N1105 (R405) Performance Approach Plus all mandatory provisions  □ Option #3 — ENERGY STAR Certified Homes® □ Option #4 — Section N1106 (R406) Energy Rating Index Compliance Alternative Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 – 2009 IECC Plus all mandatory provisions □ Option #5 — ESL 4ACH <sup>50</sup> Tradeoff Code Equivalency Compliance a  Envelope Component Option #1 Option #2 R402.4 Air Leakage ≤ 4ACH <sup>50</sup> ≤ 4ACH <sup>50</sup> Wall Insulation Value R13 + R3 <sup>5</sup> R34 R3 R3 R3 R3 R3 R49 Duct Insulation Walue Paralue Scavity insulation, second is continuous insulation or insulated siding. NO Yes  *Except for the values listed in the table, all other mandatory code provisions are applicable. Pirist value is cavity insulation, second is continuous insulation or insulated siding. NOTE: Attach appropriate compliance option "compliance report" I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calcusions; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system contr	Project Address:			
N1102 (R402) Building Thermal Envelope. (Using table N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT) N1103 (R403) Systems. N1104 (R404) Electrical Power and Lighting Systems (Mandatory). Plus all mandatory provisions  □ Option #1b − Prescriptive-Using REScheck™ UA approach Only: Sections N1101.14 (R401) through N1104 (R404): N1103 (R403) Systems. N1104 (R404): N1103 (R403) Systems. N1104 (R404) Electrical Power and Lighting Systems (Mandatory). Plus all mandatory provisions  □ Option #2 − Section N1105 (R405) Performance Approach Plus all mandatory provisions  □ Option #3 − ENERGY STAR Certified Homes® □ Option #3 − ENERGY STAR Certified Homes® □ Option #4 − Section N1105 (R405) Performance Approach Plus all mandatory provisions □ Option #5 − ESL 4ACH⁵O Tradeoff Code Equivalency Compliance Alternative Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 − 2009 IECC Plus all mandatory provisions □ Option #5 − ESL 4ACH⁵O Tradeoff Code Equivalency Compliance a  Envelope Component Option #1 Option #2 R402.4 Air Leakage ≤ 4ACH⁵O ≤ 4ACH⁵O Wall Insulation V-factor/SHGC ≤ 0.32/0.25 ≤ 0.32/0.25 Ceiling R-value ≥ R49 ≥ R49 Duct Insulation R8 R6 Radiant Barrier Required No Yes a R6 Radiant Barrier Required No Yes B-First value is cavity insulation, second is continuous insulation or insulated siding. NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and plping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.	N1101.13 (R401.2) – Projects shall comply with one of the following:			
N1104 (R404):  N1102 (R402) Building Thermal Envelope. N1103 (R403) Systems. N1104 (R404) Electrical Power and Lighting Systems (Mandatory). Plus all mandatory provisions  □ Option #2 - Section N1105 (R405) Performance Approach Plus all mandatory provisions □ Option #3 - ENERGY STAR Certified Homes® □ Option #4 - Section N1106 (R406) Energy Rating Index Compliance Alternative Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 - 2009 IECC Plus all mandatory provisions □ Option #5 - ESL 4ACH <sup>50</sup> Tradeoff Code Equivalency Compliance a  Envelope Component Option #1 Option #2  R402.4 Air Leakage ≤ AACH <sup>50</sup> ≤ AACH <sup>50</sup> Wall Insulation Value R13 + R3 <sup>b</sup> R13 + R3 <sup>b</sup> Penestration U-factor/SHGC ≤ 0.32/0.25  Ceiling R-value ≥ R49 ≥ R49  Duct Insulation R8 R6 Radiant Barrier Required No Yes  *Except for the values listed in the table, all other mandatory code provisions are applicable.  *First value is cavity insulation, second is continuous insulation or insulated siding.  NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation approach selected above.  Print Name: Sign Name: Date:	N1102 (R402) Building Thermal Envelope. {Using table N1102.1.2 (R402.1.2) INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT} N1103 (R403) Systems. N1104 (R404) Electrical Power and Lighting Systems (Mandatory).			
Plus all mandatory provisions  □ Option #3 – ENERGY STAR Certified Homes® □ Option #4 – Section N1106 (R406) Energy Rating Index Compliance Alternative Minimum envelope requirements ≥Table 402.1.1 or 402.1.3 – 2009 IECC Plus all mandatory provisions □ Option #5 – ESL 4ACH <sup>50</sup> Tradeoff Code Equivalency Compliance a  Envelope Component Option #1 Option #2  R402.4 Air Leakage ≤ 4ACH <sup>50</sup> ≤ 4ACH <sup>50</sup> Wall Insulation Value R13 + R3 <sup>b</sup> R13 + R3 <sup>b</sup> Fenestration U-factor/SHGC ≤ 0.32/0.25  Ceiling R-value ≥ R49 ≥ R49  Duct Insulation R8 R6  Radiant Barrier Required No Yes  Except for the values listed in the table, all other mandatory code provisions are applicable.  b First value is cavity insulation, second is continuous insulation or insulated siding.  NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name: Sign Name: Date:	N1104 (R404): N1102 (R402) Building Thermal Envelope. N1103 (R403) Systems. N1104 (R404) Electrical Power and Lighting Systems (Mandatory).			
Option #4 – Section N1106 (R406) Energy Rating Index Compliance Alternative  Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 – 2009 IECC  Plus all mandatory provisions  □ Option #5 – ESL 4ACH <sup>50</sup> Tradeoff Code Equivalency Compliance  Envelope Component Option #1 Option #2  R402.4 Air Leakage ≤ 4ACH <sup>50</sup> ≤ 4ACH <sup>50</sup> Wall Insulation Value R13 + R3 <sup>b</sup> R13 + R3 <sup>b</sup> Fenestration U-factor/SHGC ≤ 0.32/0.25 ≤ 0.32/0.25  Ceiling R-value ≥ R49 ≥ R49  Duct Insulation R8 R6  Radiant Barrier Required No Yes <sup>a</sup> Except for the values listed in the table, all other mandatory code provisions are applicable. <sup>b</sup> First value is cavity insulation, second is continuous insulation or insulated siding.  NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name: Sign Name: Date:	· · · · · · · · · · · · · · · · · · ·			
Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 – 2009 IECC Plus all mandatory provisions  □ Option #5 − ESL 4ACH <sup>50</sup> Tradeoff Code Equivalency Compliance a  Envelope Component Option #1 Option #2  R402.4 Air Leakage ≤ 4ACH <sup>50</sup> ≤ 4ACH <sup>50</sup> Wall Insulation Value R13 + R3 <sup>b</sup> R13 + R3 <sup>b</sup> Fenestration U-factor/SHGC ≤ 0.32/0.25 ≤ 0.32/0.25  Ceiling R-value ≥ R49 ≥ R49  Duct Insulation R8 R6  Radiant Barrier Required No Yes  a Except for the values listed in the table, all other mandatory code provisions are applicable. b First value is cavity insulation, second is continuous insulation or insulated siding.  NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name:	Option #3 – ENERGY STAR Certified Homes®			
R402.4 Air Leakage       ≤ 4ACH <sup>50</sup> ≤ 4ACH <sup>50</sup> Wall Insulation Value       R13 + R3 <sup>b</sup> R13 + R3 <sup>b</sup> Fenestration U-factor/SHGC       ≤ 0.32/0.25       ≤ 0.32/0.25         Ceiling R-value       ≥ R49       ≥ R49         Duct Insulation       R8       R6         Radiant Barrier Required       No       Yes <sup>a</sup> Except for the values listed in the table, all other mandatory code provisions are applicable. <sup>b</sup> First value is cavity insulation, second is continuous insulation or insulated siding.         NOTE: Attach appropriate compliance option "compliance report"         I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.         Print Name:       Sign Name:       Date:	Minimum envelope requirements ≥ Table 402.1.1 or 402.1.3 – 2009 IECC Plus all mandatory provisions			
R402.4 Air Leakage       ≤ 4ACH <sup>50</sup> ≤ 4ACH <sup>50</sup> Wall Insulation Value       R13 + R3 <sup>b</sup> R13 + R3 <sup>b</sup> Fenestration U-factor/SHGC       ≤ 0.32/0.25       ≤ 0.32/0.25         Ceiling R-value       ≥ R49       ≥ R49         Duct Insulation       R8       R6         Radiant Barrier Required       No       Yes <sup>a</sup> Except for the values listed in the table, all other mandatory code provisions are applicable. <sup>b</sup> First value is cavity insulation, second is continuous insulation or insulated siding.         NOTE: Attach appropriate compliance option "compliance report"         I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.         Print Name:       Sign Name:       Date:	Envelope Component	Ontion #1	Ontion #2	
Wall Insulation Value       R13 + R3b       R13 + R3b         Fenestration U-factor/SHGC       ≤ 0.32/0.25       ≤ 0.32/0.25         Ceiling R-value       ≥ R49       ≥ R49         Duct Insulation       R8       R6         Radiant Barrier Required       No       Yes <sup>a</sup> Except for the values listed in the table, all other mandatory code provisions are applicable. <sup>b</sup> First value is cavity insulation, second is continuous insulation or insulated siding.         NOTE: Attach appropriate compliance option "compliance report"         I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.         Print Name:       Sign Name:       Date:				
Fenestration U-factor/SHGC ≤0.32/0.25 ≤0.32/0.25  Ceiling R-value ≥ R49 ≥ R49  Duct Insulation R8 R6  Radiant Barrier Required No Yes  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becopy for the values listed in the table, all other mandatory code provisions are applicable.  Becop				
Ceiling R-value       ≥ R49       ≥ R49         Duct Insulation       R8       R6         Radiant Barrier Required       No       Yes <sup>a</sup> Except for the values listed in the table, all other mandatory code provisions are applicable. <sup>b</sup> First value is cavity insulation, second is continuous insulation or insulated siding.         NOTE: Attach appropriate compliance option "compliance report"         I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.         Print Name:       Sign Name:       Date:				
Duct Insulation  R8  Radiant Barrier Required  No  Yes  a Except for the values listed in the table, all other mandatory code provisions are applicable. b First value is cavity insulation, second is continuous insulation or insulated siding.  NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name:  Sign Name:  Date:				
<sup>a</sup> Except for the values listed in the table, all other mandatory code provisions are applicable. <sup>b</sup> First value is cavity insulation, second is continuous insulation or insulated siding.  NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name:  Sign Name:  Date:		R8		
NOTE: Attach appropriate compliance option "compliance report"  I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name:	Radiant Barrier Required	No	Yes	
I certify that I have reviewed the construction documents including, but not necessarily limited to, insulation materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name:	, , , , , , , , , , , , , , , , , , , ,			
materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.  Print Name:	NOTE: Attach a	ppropriate compliance option "com	pliance report"	
	materials and R-values; fenestration U-factors and SHGC values; area-weighted average U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; equipment and system controls; duct sealing, duct and piping insulation and location; and air sealing details; and that the project as designed satisfies the minimum requirements for the compliance approach selected above.			

If this template form is modified, the NCTCOG logo must be removed as it is no longer a NCTCOG approved template.

Prepared July 2016 by the Energy and Green Advisory Board of the Regional Codes Coordinating Committee, a committee of the North Central Texas Council of Governments (NCTCOG). <a href="www.nctcog.org/envir/codes">www.nctcog.org/envir/codes</a>.