CERTIFICATE OF COMPLIANCE

Documentation Software: EnergyPro

NRCC-ENV-E

| mixe | ed-use buildings, and 141.0(b)1/ 1 | compliance with mandatory requirements in 80.2 for alterations, related to roof, wall and and 141.0/ 180.1/ 180.2 for additions and d | d flod | or as: | ssemblies. It i | s also used to dem | onst | rate compliance w | ith pr | escriptive requirements in 140.3/ | | |
|-------------|---|---|--------|--------|-----------------|--|----------------|---------------------|--------|---|--|--|
| Proj | ect Name: Nonresidential Sample | Building | | | Report Pag | e: | | | | (Page 1 of 12) | | |
| Proj | ect Address: | 12 | 34 M | 1ain S | St. Date Prepa | red: | | | | 10/31/2023 | | |
| | | | | | * | | | | | | | |
| Α. 6 | GENERAL INFORMATION | | | | | | | | | | | |
| 01 | Project Location (city) | Sacramento | 05 | # of | f Stories (Hal | oitable Above Grad | le) | | Т | 2 | | |
| 02 | Zipcode 95823 | | | | al Conditione | al Conditioned Floor Area (ft²) | | | | 4480 | | |
| 03 | Climate Zone | 12 | 07 | Tota | al Unconditio | ned Floor Area (ft | ²) | | | 1200 | | |
| 04 | constitutes >= 80% of the condition | (select all that apply): If one occupancy oned floor area, the entire building nply with the provisions of that occupancy | 08 | | | udes unconditione least 15 ft. ¹ | d en | closed space(s) > 5 | 5,000 | ft ² under a roof with a ceiling | | |
| • 0 | ffice ◆ Parking Garage ◆ Restau | rant ● Retail | | | • | | | | | | | |
| | | ft ² directly under roof with ceiling height > . nce with 140.3(c)/ 170.2(b) is documented i | | | | | | | | | | |
| | | | | | | | | | | | | |
| B. P | PROJECT SCOPE | | | | | | | | | | | |
| | table specifies project envelope co 141.0(b)1 and 2/180.2 for addition | omponents within the permit application de ons and alterations. | mon | strat | ting compliai | nce using the presc | ripti | ve paths outlined i | n 140 | 0.3/ 170.2 and 141.0(a)1/ 180.1 | | |
| | My project | consists of (check all that apply) | | | | | | Component | Тур | es | | |
| | | 01 | | | | | | 02 | | | | |
| \boxtimes | New Construction or Newly Cond | litioned Space | | | \square | Roof | × | Walls | | Exterior Opaque Doors | | |
| | One or more enclosed space | ces > 5,000 ft ² directly under roof with ceilin | g he | eight | > 15ft | Root | | Floors | | Fenestration/ Glazed Doors ¹ | | |
| | Addition of conditioned space | | | | | | | Walls | | Exterior Opaque Doors | | |
| | One or more enclosed space | es > 5,000 ft ² directly under roof with ceiling | heig | ght > | 15ft | Roof | | vvalis | | Exterior opaque 20013 | | |
| | ☐ Addition is <=700 ft ² | | | | | 1.001 | | Floors | | Fenestration/ Glazed Doors ¹ | | |
| | Addition is >700 ft ² | | | | | | | 110013 | | Terrestration, Glazed Doors | | |
| | Alteration of conditioned space | | | | | Roof Assembly | | Walls | | | | |
| | One or more enclosed space and lighting system installed | es > 5,000 ft ² directly under roof with ceiling for the first time | heig | ght > | · 15ft □ | Roofing Material ² | | Floors | | Fenestration | | |

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| Envelope Co | mponent Approach | | | | | CALIFO | ORNIA ENERGY COMMISSION | |
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| CERTIFICATE OF CO | OMPLIANCE | | | | | | NRCC-ENV-E | |
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| | | | | | | | | |
| B. PROJECT SCO | DPE | | | | | | | |
| | ors that are more than 25% glass in | area are considere | d Glazed Doors and | should be docume | nted on table K with | fenestration | | |
| | nd replacements must also check "I | | | | | = | document compliance with | |
| | | | | | | | | |
| C. COMPLIANC | E RESULTS | | | 1 | | | | |
| | ble are automatically calculated fro tional Conditions for guidance or so | | | | : If any cell on this ta | ble says "COMPLIES with E | exceptional Conditions" refer | |
| | Opaque Env | elope Components | | | F | Daylighting Spaces > | Camadian as Basada | |
| Roof Assem | bly Roofing Materials | Walls | Floors | Doors | - Fenestration | 5,000ft ² | Compliance Results 08 | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | |
| (See Table | F) (See Table G) | (See Table H) | (See Table I) | (See Table J) | (See Table K) | (See Table L) | DOES NOT COMPLY | |
| Yes | No | No | | Yes | No | | DOES NOT CONFE | |
| | | | | | | | | |
| D. EXCEPTIONA | AL CONDITIONS | | | | | | | |
| This table is auto | -filled with uneditable comments b | ecause of selections | s made or data ente | ered in tables throu | ghout the form. | | | |
| | | | | | | | | |
| E. ADDITIONAL | . REMARKS | | | | | | | |
| This table include | es remarks made by the permit app | licant to the Author | ity Having Jurisdict | ion. | | | | |
| | | | | | | | | |
| F. ROOF ASSEM | IBLY SCHEDULE | | , | | | , | | |
| This table demor for alterations, | nstrates compliance for prescriptive | roof assembly requ | iirements in 140.3(d | a)1B/ 170.2(a)1B fo | r new construction, i | 141.0(a)/ 180.1 for additio | ns, or 141.0(b)2Biii/ 180.2 | |
| 01 | Indicate roof types included in the | e project: 🛛 Fram | ned Framed Multifa | II IICIDC | ☐ Span Deck & | Concrete | els | |
| Framed Roof As | semblies | | | | | | | |

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Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation¹

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06

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

 \boxtimes

03

04

01

02

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CALIFORNIA ENERGY COMMISSION

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| F. ROOF ASSEMI | BLY SCHEDULE | | | , | | | | , | 1 | | | | |
|------------------------|--|-------------|------------------------|---|---|--------------------------------|---|------------------------|-----------|---------------------------------------|--|--|--|
| Framed Roof Assemblies | | | | | | | | | | | | | |
| Tag/Plan Detail | I ID Name/ | Description | Status | Exception | Оссі | ipancy Type | | | | | | | |
| R-30 Roof Att | ic R-3 | 0 Roof | New | | | | | | | Nonresidential/ Relocatable 1 CZ | | | |
| R-30 Roof Att | ic R-3 | 0 Roof | New | | | | | | | Nonresidential/ Relocatable 1 CZ | | | |
| 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 1 | 5 | 16 | | | |
| Tag/Plan Detail ID | il How Design U-factor was determined Roof Tyl Frame Ma | | Frame Spacing Depth | Cavity Insulation per Design ² | Continuous Insulation per Design ² | Thermal Performance Unit | Required Thermal Performance ³ | U-factor p | er Design | Net Area ⁴ ft ² | | | |
| | | | | 30 | | | | per JA4 | | | | | |
| R-30 Roof | JA4 Tables | Wood | | | 0 | U-factor | 0.034 | per Software/ Other | 0.031 | 1600 | | | |
| | | | | | | | | per JA4 | | | | | |
| R-30 Roof | JA4 Tables | Wood | | 30 | 0 | U-factor | 0.034 | per Software/ Other | 0.031 | 1280 | | | |

¹FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

⁴ Roof area minus any fenestration/ skylight area

| Area-Weighted Average U-factor Compliance | | | | | | |
|---|--|--------------------|---------------------|--|--|--|
| 01 | 02 | 03 | 04 | 05 | | |
| Roof Type | Total Area of Roof Type (ft ²) | Area-weighted U-fa | actor for Roof Type | Compliance Results Using Area-Weighted | | |
| коог туре | iotal Area of Roof Type (it.) | Required | Designed | Calculation Option | | |
| Framed | 2880 | 0.034 | 0.031 | | | |
| Total for all Roof Types: | 2880 | 0.034 | 0.031 | COMPLIES | | |

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 $^{|^2}$ For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.

³ If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.

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| | | | |

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| CERTIFICATE OF C | OMPLIANCE | | NRCC-ENV-E |
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| G. RATED ROOFING MATERIAL (COOL ROOF |
|--------------------------------------|
|--------------------------------------|

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/170.2(a)1A for new construction, 141.0(a)/180.1 for additions, and 141.0(b)2B/180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

| 01 | 02 | 02 03 04 05 | | 06 | 07 | 08 | | 09 | 10 | | | |
|-----------------------|--|------------------|-----------------|---------------|------------------|--------------------------|-------------|--|--------------------------|----------------------------------|--|--|
| Tag/Plan Detail ID | Name/ Description/ Location | Status | Occupancy Type | Roof Slope | Roof Material | Compliance Method | | Required Minimum Material Performance | | Designed Material Performance | | |
| P 20 Poof | Roof tic R-30 Roof New Nonresidential Steep slope To Be Determined | | Aged solar | Reflectance | 0.25 | Reflectance ¹ | 0.3 | | | | | |
| Attic | | To Be Determined | reflectance and | Emittance | 0.75 | Emittance | 0.85 | | | | | |
| | | | | | | thermal emittance | SRI | | SRI | | | |
| D 20 De ef | | | Nonresidential | 1 | | Aged solar | Reflectance | 0.63 | Reflectance ¹ | 0.3 | | |
| R-30 Roof Attic | R-30 Roof | New | | Low slope | To Be Determined | reflectance and | Emittance | 0.75 | Emittance | 0.85 | | |
| 7 | | | | | | thermal emittance | SRI | | SRI | | | |

| H. WALL A | SSEMB | LY SCHEDULE | | | | | | | | | | |
|------------------------------|---|------------------|--|---------------------|----------------|---------------------|------------------------|--|------------|------------------|---------------------|-----------------------|
| This table d alterations. | | rates compliance | with prescriptive wa | ll assembly require | me | ents in 140.3(a)/ 1 | 70.2 | ?(a) for new constructions, 141.0(a)/ 18 | 0.1 | for additions a | nd 1 | 141.0(b)1B/ 180.2 for |
| 01 | Indicate | 1 | | | | Mass (new only) | | Concrete Sandwich Panel (new only) | | SIPS | | ICF (new only) |
| | Indicate wall types included in the project: ¹ | | ☐ Metal Panels | | Metal Building | | Spandrel/ Curtain Wall | | Straw Bale | | Log Home (new only) | |
| | | • • | above as "(new only) nstrated within this t | | 24, | . Part 6 requireme | nts _ | for alterations. New construction and a | ddi | tions do have re | equi | irements and should b |
| Framed Wa | ills | | | | | | | | | | | |
| 01 | 01 Calculate Area-Weighted Average U-factor for Metal Framed Walls ¹ | | | | | | | | | | | |
| 02 | | \boxtimes | Include Wood Frame | d Walls in Area-W | eigl | hted Average U-fa | ctor | Calculation ¹ | | ' | | |

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| 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | | 13 | |
|-----------------------|--------------------------|--|-----------------------------|------------------------------------|------------------------------------|--|--------------------------------|------------------------------------|---------------------------|----------|---|--|
| Tag/Plan Detail ID | Occupancy & Status | How Design U-factor was determined | Location/ Fire Rating | Frame Material, Spacing & Depth | Cavity Insulation per Design | Continuous Insulation per Design | Thermal Performance Unit | Required Thermal Performance | U-factor pe | r Design | Net Area ³ ft ² | |
| | Nonresidential/ | | | | | | | | per JA4 | | | |
| North Wall | Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | | 0 | U-factor | 0.059 | per Software/ Other | 0.102 | 240 | |
| | Nonresidential/ | | | | | | per JA4 | | per JA4 | | | |
| East Wall | Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per Software/ Other | 0.102 | 160 | |
| | Nonresidential/ | | | | | | | | per JA4 | | | |
| East Wall | · · | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per Software/ Other | 0.102 | 240 | | |
| | Nonresidential/ | | | | | | | | per JA4 | | 240 | |
| South Wall | Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per Software/ Other | 0.102 | | |
| | Nonresidential/ | | | | | | | | per JA4 | | | |
| West Wall | Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per Software/ Other | 0.102 | 376 | |
| | Nonresidential/ | | | | | | | _ | per JA4 | | | |
| North Wall | Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per Software/ Other | 0.102 | 240 | |

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Envelope Component Approach

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| H. WALL ASSEN | IBLY SCHEDULE | | | | | | | | | | |
|-----------------------|---|--|--------------------------|------------------------------------|------------------------------------|--|--------------------------------|------------------------------------|--------------------------------------|-------|---|
| 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 12 | |
| Tag/Plan Detail ID | Occupancy & Status | How Design U-factor was determined | Location/ Fire Rating | Frame Material, Spacing & Depth | Cavity Insulation per Design | Continuous Insulation per Design | Thermal Performance Unit | Required Thermal Performance | U-factor per Design | | Net Area ³ ft ² |
| East Wall | Nonresidential/ Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor 0.059 | | per JA4 per Software/ Other | 0.102 | 320 |
| South Wall | Nonresidential/ Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per JA4 per Software/ Other | 0.102 | 1500 |
| West Wall | Nonresidential/ Relocatable 1 CZ: New | JA4 Tables | Exterior wall | Wood 1/2" gyp 16" OC 2x4 | 13 | 0 | U-factor | 0.059 | per JA4 per Software/ Other | 0.102 | 320 |

¹FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPS, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

³ Wall area minus any fenestration area

| Area-Weighted Average U-factor C | Area-Weighted Average U-factor Compliance Calculation for Wood Framed/ SIPs/ Spandrel/ Curtain/ Metal Panel/ Straw Bale Wall Types | | | | | | | | | | | |
|----------------------------------|--|-------------------|--|--------------------|--|--|--|--|--|--|--|--|
| 01 | 02 | 03 | 04 | 05 | | | | | | | | |
| Wall Type | Total Area of Mall Type (ft²) | Area-weighted U-f | Compliance Results Using Area-Weighted | | | | | | | | | |
| wan Type | Total Area of Wall Type (ft ²) | Required | Designed | Calculation Option | | | | | | | | |
| Framed | 3636 | 0.059 | 0.102 | | | | | | | | | |
| Total for all Wall Types: | 3636 | 0.059 | 0.102 | DOES NOT COMPLY | | | | | | | | |

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 $^{^2}$ If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per 141.0(b)1B.

| $C \times I$ | IFORNIA | ENIEDCV | CONN | VICCIUN |
|--------------|---------|---------|------|----------------|
| | | | | |

| CERTIFICATE OF C | COMPLIANCE | | NRCC-ENV-E |
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| I. FLOOR ASSEMBLY SCHEDULE | |
|--|--|
| This section does not apply to this project. | |

J. EXTERIOR DOOR SCHEDULE

This table demonstrates compliance with prescriptive exterior door requirements in 140.3(a)7/170.2(a)4 for new construction or additions. Doors which are being replaced (alterations) do not need to be documented in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from ambient air. Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.

| 01 | 02 | 03 | 04 | 05 | 06 | 0 | 7 |
|--------------------|------------------|----------------|-----------|---------------------|-----------------------------|------------|-----------|
| Tag/Plan Detail ID | Name/Description | Occupancy Type | Door Type | Door Insulation | Maximum Allowed U-factor | U-factor p | er Design |
| | Wood Door | Nonresidential | Swinging | Any other wood door | 0.7 | per JA4 | 0.5 |

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This table demonstrates compliance with prescriptive fenestration requirements in 140.3(a)5/170.2(a)3 for new constructions, 141.0(a)/180.1 for additions, or 141.0(b)2A/180.2 for alterations. Exterior doors that are more than 25% glass in area are considered Glazed Doors and should be documented on this table with fenestration.

| 01 | Indicate fenestration types included in the project: | ╙ | Vertical (alterations) | M | Vertical (new) | \parallel | Skylights | ᄖ | Glazed Doors (new only) |
|----------------------------|---|------|-------------------------------|-----|----------------|-------------|----------------------------|------|-------------------------|
| ¹ FOOTNOTES: Fe | nestration types indicated above as "(new only)" do n | ot k | have Title 24. Part 6 require | -me | | Vew | construction and additions | s do | have requirements and |

¹ FOOTNOTES: Fenestration types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.

| Vertical Fenestration and Glazed Doors- | /ertical Fenestration and Glazed Doors- Total Building & West Facing Area (New Construction & Additions Only) | | | | | | | | | | |
|---|---|--|---|---|--|--|--|--|--|--|--|
| 01 | 02 | 03 | 04 | 05 | | | | | | | |
| Elevation Item Tag/ Description | Orientation (Azimuth) ¹ | Gross Exterior Wall Area ² (ft ²) | Display Perimeter Length ² (ft) | Vertical Fenestration Area per Design ³ (ft ²) | | | | | | | |
| North | North Facing | 800 | 0 | 320 | | | | | | | |
| East | East Facing | 1040 | 0 | 320 | | | | | | | |

| North North Facing | | North Facing | 800 | | 0 | 320 | |
|--------------------|---|--------------|--------|---|---|-----|-----|
| East | | East Facing | 1040 | 0 | | 320 | |
| South | | South Facing | 2000 | 0 | | 260 | |
| | West | | 720 | 0 | | 0 | |
| 06 | 06 Maximum Allowed Vertical Fenestration (ft²)- All Orientations | | 1814.4 | 07 Total Vertical Fenestratio Orientat | | = | 900 |

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Envelope Component Approach CALIFORNIA ENERGY COMMISSION

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| K. FENESTRA | TION AND GL | AZED DOOI | R SCHEDUL | E | | | | | | | | | | |
|---|---|----------------|-----------------|---------------------------|--------------------|--|----------------|-----------------------------|-------------------------|--------------------------------|------------------------------------|--------------------------------------|--|--|
| Vertical Fene | stration and GI | azed Doors- | Total Buildin | g & West Fa | cing Area | (New Construction | n & A | dditions Only |) | | | | | |
| | 01 | | C |)2 | | 03 | | | 04 | | | 05 | | |
| Elevation | n Item Tag/ Des | cription | Orientation | ı (Azimuth) ¹ | Gross Ex | terior Wall Area ² (ft ²) | | Display F | Perimeter Lengt (ft) | :h ² | | tion Area per [(ft²) | tion Area per Design ³ (ft ²) | |
| 08 Maximum Allowed Vertical Fenestrat West Facing | | | ration (ft²)- | | 288 | | 09 | Total Vertical | Fenestration (f | ²) per design- W | est 0 |) | | |
| ² Do not includ | Orientation be de demising wa zed door fenest | lls per 140.3(| • | leg are consi | idered "W | est Facing". A diag | gram l | nas been provi | ded in the Noni | residential Com | oliance Manual f | or visual refere | nce. | |
| Vertical Fene | stration And Gl | azed Doors- | U-factor, So | ar Heat Gair | n Coefficie | ent (RSHGC/ SHGC | C), Vis | ble Transmitta | ance (VT) | | | · | | |
| 01 | 01 Calculate Area-Weighted Average U-factor for Vertical Fenest | | | | | | nestra | tion and Glaze | d Doors ¹ | | | | | |
| 02 🛮 🖂 Calculate Area-Weighted A | | | eighted Aver | age (R)SH | GC for Vertical Fe | nestra | tion and Glaze | d Doors ¹ | | | | | | |
| 03 | \boxtimes | Calcu | late Area-W | eighted Aver | age VT for | r Vertical Fenestra | tion a | nd Glazed Doo | ors ¹ | | | | | |
| Vertical Fene | stration And Gl | azed Doors- | U-factor, So | ar Heat Gair | n Coefficie | ent (RSHGC/ SHGC | C), Vis | ble Transmitta | ance (VT) | | | | | |
| 04 | 05 | 0 | 6 | 07 | | 08 | | 09 | | 10 | 11 | 12 | 13 | |
| Tag/Plan Detail ID | Fenestration Type | Occupanc | y & Status | U-factor/ (Compliance | | VT Compliance Method | | Calculation Moormance Value | | Product Performance Unit | Required Product Performance | Product Performance per Design | Area ft | |
| North Glass | | Nonresi | dontial/ | | | | | <u>§110.6</u> De | faults | U-factor (ma | x) 0.34 | 0.71 | | |
| Door | Fixed window | Relocatable | • | | | | | Overhang/ Sla | ats used for | (R)SHGC (ma | x) 0.22 | 0.6 | 40 | |
| | | | | | | | | RSHGC | | VT (mi | n) 0.42 | 0.72 | | |
| North | | Nonresi | dential/ | | | | | <u>§110.6</u> De | faults | U-factor (ma | x) 0.34 | 0.71 | | |
| Windows | Fixed window | Relocatable | · · · | | | | П | Overhang/ Sla | ats used for | (R)SHGC (ma | x) 0.22 | 0.6 | 120 | |
| | | | 2 2 2 1 1 1 2 1 | | | | | RSHGC | | VT (mi | n) 0.42 | 0.72 | | |

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| | | LAZED DOOR SCHEDUL | | | | | | | | |
|-----------------------|----------------------|--|--|-------------------------|------------|---|--------------------------------|------------------------------------|--------------------------------------|---------|
| | | lazed Doors- U-factor, So | | | C), Vis | • | I 40 | T 44 | 12 | T 42 |
| 04 | 05 | 06 | 07 | 08 | | 09 | 10 | 11 | 12 | 13 |
| Tag/Plan Detail ID | Fenestration Type | Occupancy & Status | U-factor/ (R)SHGC Compliance Method | VT Compliance Method | | Calculation Method for ormance Values per Design ² | Product Performance Unit | Required Product Performance | Product Performance per Design | Area ft |
| East | | Nonresidential/ | | | | §110.6 Defaults | U-factor (max) | 0.34 | 0.71 | |
| Windows | Fixed window | Relocatable 1 CZ: : New | | | | Overhang/ Slats used for | (R)SHGC (max) | 0.22 | 0.6 | 160 |
| | | | | | | RSHGC | VT (min) | 0.42 | 0.72 |] |
| East | | Nonresidential/ | | | | <u>§110.6</u> Defaults | U-factor (max) | 0.34 | 0.71 | 160 |
| Windows | Fixed window | Relocatable 1 CZ: : New | | | ⊠ 0 | Overhang/ Slats used for | (R)SHGC (max) | 0.22 | 0.6 | |
| | | | | | | RSHGC | VT (min) | 0.42 | 0.72 | |
| South | | Nonresidential/ W Relocatable 1 CZ: : New | | | | <u>§110.6</u> Defaults | U-factor (max) | 0.34 | 0.71 | |
| Windows | Fixed window | | | | | Overhang/ Slats used for RSHGC | (R)SHGC (max) | 0.22 | 0.6 | 160 |
| | | | | | | | VT (min) | 0.42 | 0.72 | |
| North | | Nonresidential/ | | | <u>§1</u> | <u>§110.6</u> Defaults | U-factor (max) | 0.34 | 0.71 | |
| Windows | Fixed window | Relocatable 1 CZ: : New | | | Over | Overhang/ Slats used for | (R)SHGC (max) | 0.22 | 0.6 | 160 |
| | | | | | | RSHGC | VT (min) | 0.42 | 0.72 | |
| South | | Nonresidential/ Relocatable 1 CZ: : New | | | | <u>§110.6</u> Defaults | U-factor (max) | 0.34 | 0.71 | |
| Windows | Fixed window | | | | Ove | Overhang/ Slats used for | (R)SHGC (max) | 0.22 | 0.6 | 100 |
| | | | | | RSHGC | VT (min) | 0.42 | 0.72 |] | |
| | | | Overha | ing Details for RS | HGC p | per 140.3/ 170.2 | | | | |
| 26 | 5 | 27 | 28 | 29 | | 30 | 31 | | 32 | |
| SHGC of \ | Window | | | | | | | | RSHGC | |
| 0.6 | | | | | | | | | 0.306 | |
| 0.6 | | | | | | | | | 0.306 | |
| 0.6 | 6 | | | | | | | | 0.275 | |

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| CERTIFICATE OF COMPLIANCE | | | NRCC-ENV-E |
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| K. FENESTRATION AND GLAZED DOOR SCHEDULE | | | | | | | |
|--|---|----|----|----|----|-------|--|
| | Overhang Details for RSHGC per 140.3/ 170.2 | | | | | | |
| 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| SHGC of Window | | | | | | RSHGC | |
| 0.6 | | | | | | 0.264 | |

¹FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below.

⁴Projecting includes casement and awning windows.

| Area-Weighted Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration And Glazed Doors | | | | | | | |
|--|---|----------------------|--|--------------------|--|--|--|
| 01 | 02 | 03 | 04 | 05 | | | |
| Product Performance Unit | Total Area of Connection (ft ²) | Area-weighted Calcul | Compliance Results Using Area-Weighted | | | | |
| Product Performance Unit | Total Area of Fenestration (ft ²) | Required | Designed | Calculation Option | | | |
| U-Factor | 900 | 0.34 | 0.71 | DOES NOT COMPLY | | | |
| (R)SHGC | 900 | 0.22 | 0.4 | COMPLIES | | | |
| VT | 900 | 0.42 | 0.72 | COMPLIES | | | |

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

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²The NA6 Default Calculation can only be used for alterations or dwelling units in buildings with <= 3 habitable stories. Alterations are limited to 200ft² of site built glazing and dwelling units are limited to 250ft² or 5% of conditioned floor area. If the fenestration does not meet these conditions, the only options for determining fenestration values are NFRC Certification or the Default Tables in 110.6.

³ Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an affect on the RSHGC. If an overhang does not meet this requirement, the affect of the overhang will be ignored.

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| CERTIFICATE OF COMPLIANCE | | |
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M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCI-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at

https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/. Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1

| Form/Title | Systems/Spaces To Be Field Verified |
|--|--|
| NRCA-ENV-02-F must be submitted for all new, added or altered site built fenestration. | Fenestration; |

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

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CALIFORNIA ENERGY COMMISSION

| CERTIFICATE OF COMPLIANCE | | | | NRCC-ENV-E |
|---------------------------|--------------------------------|---------------|----------------|-----------------|
| Project Name: | Nonresidential Sample Building | | Report Page: | (Page 12 of 12) |
| Project Address: | | 1234 Main St. | Date Prepared: | 10/31/2023 |

| DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | | | |
|---|---|--|--|
| I certify that this Certificate of Compliance documentation is accurate and complete. | | | |
| Documentation Author Name: Documentation Author Signature: | | | |
| Company: DEBUG | Signature Date: 2023-10-31 | | |
| Address: | CEA/ HERS Certification Identification (if applicable): | | |
| City/State/Zip: | Phone: | | |

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- 1. The information provided on this Certificate of Compliance is true and correct.
- 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
- 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

| Responsible Designer Name: Michael Gray | Responsible Designer Signature: |
|---|---------------------------------|
| Company: Architectural Services | Date Signed: 2023-10-31 |
| Address: 440 Yuba Dr. Suite C | License: C12344 |
| City/State/Zip: Sacramento CA 95833 | Phone: (916) 555-5678 |

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