



Envelope Compliance Certificate

Project Information

Energy Code: 2020 NYStretch Energy Code - 2018 IECC
Project Title: TTCX B17 Child Day-care Center
Location: Tarrytown (Westchester), New York
Climate Zone: 4a
Project Type: New Construction
Vertical Glazing / Wall Area: 28%

Construction Site:
899 Old Saw Mill River Road
Mount Pleasant, New York 10591

Owner/Agent:
Ted Jesson
Regeneron Pharmaceuticals, Inc.
777 Old Saw Mill River Road
Tarrytown, New York 10591-6707
914-374-9486
ted.jesson@regeneron.com

Designer/Contractor:
Joseph Lauro
Gensler
1700 Broadway #400
New York, New York 10019
(212) 492-8692
joseph_lauro@gensler.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Dedicated Outdoor Air System, 1.0 credit

Building Area

Floor Area

1-Child Day-Care Center (School/University) : Nonresidential

17000

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
Slab On-Grade: Heated Slab-On-Grade Fully Insulated (user specified perimeter R-value + R-7.5 under slab), [Bldg. Use 1 - Child Day-Care Center] (c)	17000	---	15.0	0.580	0.602
North Wing Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Child Day-Care Center]	9032	---	30.0	0.032	0.030
East Wing Roof: Metal Building, Standing Seam, Double Insulation Layer with Thermal Blocks (d), [Bldg. Use 1 - Child Day-Care Center]	8172	0.0	30.0	0.032	0.035
NORTH					
North Wing - North Wall - Curb: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	37	---	15.0	0.060	0.099
North Wing - North Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	687	32.0	10.0	0.043	0.061
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	50	---	---	0.770	0.370
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	50	---	---	0.770	0.370
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	26	---	---	0.770	0.370
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	21	---	---	0.380	0.360
East Wing - North Wall - Curb: Solid Concrete, 12in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	94	---	15.0	0.059	0.099

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
Center]					
East Wing - North Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	2660	48.0	10.0	0.035	0.061
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 1.66, [Bldg. Use 1 - Child Day-Care Center] (b)	96	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.28, [Bldg. Use 1 - Child Day-Care Center] (b)	1138	---	---	0.380	0.360
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	50	---	---	0.770	0.370
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
<u>EAST</u>					
North Wing - North Wall - Curb: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	8	---	15.0	0.060	0.099
North Wing - North Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	99	32.0	10.0	0.043	0.061
North Wing - East Wall - Curb: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	160	---	15.0	0.060	0.099
North Wing - East Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	2296	32.0	10.0	0.043	0.061
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, PF 0.04, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, PF 0.04, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.	22	---	---	0.380	0.360

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)					
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	26	---	---	0.770	0.370
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	170	---	---	0.380	0.360
East Wing - East Wall - Curb: Solid Concrete, 12in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	43	---	15.0	0.059	0.099
East Wing - East Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	848	48.0	10.0	0.035	0.061
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	26	---	---	0.770	0.370
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Child Day-Care Center]	50	---	---	0.770	0.370
SOUTH					
East Wing - South Wall - Curb: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	162	---	15.0	0.060	0.099
East Wing - South Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	2078	32.0	10.0	0.043	0.061
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360

Project Title: TTCX B17 Child Day-care Center

Report date: 05/23/22

Data filename:

Page 3 of 12

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)					
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	170	---	---	0.380	0.360
WEST					
East Wing - Main Entrance Wall - Curb: Solid Concrete, 12in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	19	---	15.0	0.059	0.099
East Wing - Main Entrance Wall - Trespa/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	818	48.0	10.0	0.035	0.061
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.28, [Bldg. Use 1 - Child Day-Care Center] (b)	320	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.11, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.11, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.380	0.360
North Wing - West Wall - Curb: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Child Day-Care Center]	164	---	15.0	0.060	0.099
North Wing - West Wall - Fiber Cement/Metal Panel: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Child Day-Care Center]	2264	32.0	10.0	0.043	0.061
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 95082.01-116-45, SHGC 0.18, [Bldg. Use 1 - Child Day-Care Center] (b)	24	---	---	0.520	0.770
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.	42	---	---	0.380	0.360

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)					
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	42	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	22	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360
Window: Metal Frame: Fixed, Perf. Specs.: Product ID B6867.01-116-45, SHGC 0.28, PF 0.03, [Bldg. Use 1 - Child Day-Care Center] (b)	20	---	---	0.380	0.360

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

(d) Thermal spacer block with minimum R-3.5 must be installed above the purlin/batt, and the roof deck secured to the purlins.

Project Notes

Envelope PASSES: Design 4% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2020 NYStretch Energy Code - 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title

Signature

Date

The proposed project is a new ground-up single-story child day-care center of approximately 17,000 GSF,

approximately 5,000 SF of outdoor play areas, and a new parking lot and entrance drive and drop-off with 49 parking spaces and 9 dedicated drop-off spaces.



Inspection Checklist

Energy Code: 2020 NYStretch Energy Code - 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck 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	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1] ¹	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.1 [PR10] ¹	The vertical fenestration area \leq 30 percent of the gross above-grade wall area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.1 [PR11] ¹	The skylight area \leq 3 percent of the gross roof area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.2 [PR14] ¹	In enclosed spaces $>$ 2,500 ft ² directly under a roof with ceiling heights $>$ 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is \geq half the floor area; (b) the skylight area to daylight zone is \geq 3 percent with a skylight VT \geq 0.40; or a minimum skylight effective aperture \geq 1 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.1 [PR17] ¹	PTAC/PTHP penetration through thermal envelope - When penetrations from mechanical equipment listed in Table C403.3.2(3) exceeds 1 percent of the opaque above-grade wall area, the penetration area is represented as an envelope wall assembly of similar type having size equal to penetration area and proposed U-0.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4] ²	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	
C303.2.1 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C105.2.1 [FO3] ²	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	<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.
C402.2.4 [FO7] ²	Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.	<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.

Additional Comments/Assumptions:

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12] ²	Fenestration products rated in accordance with NFRC.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.1.3 [FR13] ¹	Fenestration products are certified as to performance labels or certificates provided.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.3 [FR10] ¹	Vertical fenestration SHGC value.	<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.
C402.4.3, C402.4.3.4 [FR8] ¹	Installed vertical fenestration U-factor and SHGC consistent with label specifications and as reported in plans and COMcheck reports.	<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.
C402.5.7 [FR17] ³	Vestibules are installed on all building entrances. Doors have self-closing devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.5.5 [ME3] ³	Stair and elevator shaft vents have motorized dampers that automatically close. Refernece section C403.7.7 for operational details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C403.7.7 [ME58] ³	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed. Reference section language for operational details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3] ¹	Roof 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	
C402.2.1 [IN20] ¹	Insulation installed on a suspended ceiling having ceiling tiles is not being specified for roof/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.1.1 [IN10] ²	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.2 [IN7] ¹	Above-grade wall 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	
C303.2.1 [IN14] ²	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C105.2.2 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	<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.
C105.2.1, C402.2.3 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	<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.
C402.2.9 [IN21] ³	Structural elements of balconies and parapets that penetrate the thermal barrier, shall comply with one of the following: 1. Structural elements penetrating the thermal barrier shall incorporate a minimum of R-3 continuous insulation. 2. Structural elements of penetrations of the thermal barrier shall incorporate a minimum R3 thermal break.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.6 [IN18] ³	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C105.2.2 [IN2] ¹	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	<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.
C402.5.1.1 [IN1] ¹	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C402.5 [FI55] ¹	Building envelope contains a continuous air barrier that has been tested and deemed to limit air leakage <= 0.40 cfm/ft2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.5.6 [FI37] ¹	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.4, C408.4.1, C408.4.2, C408.4.3 [FI58] ¹	Air barrier commissioning. Registered or approved agent provides evidence of air barrier commissioning including: 1) Construction documents that include documentation of the continuous air barrier components included in the design and a field inspection checklist that includes all requirements necessary for maintaining air barrier continuity and durability in accordance with Section C402.5.1; 2) Reports from field inspections during project construction showing compliance with continuous air barrier requirements. Air barrier continuity shall be determined by testing or inspecting each type of unique air barrier joint or seam in the building envelope for continuity and defects; 3) A final commissioning report indicating compliance with the continuous air barrier requirements shall be provided to the building owner and, upon request, to the code official.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

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