



Compliance Certificate

Project Information

Energy Code:	2024 Minnesota Commercial Energy Code
Project Title:	4th Lane Flats
Location:	Kasson, Minnesota
Climate Zone:	6a
Project Type:	New Construction
Project No:	51503
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump:	false

Construction Site:

1309 4th Ave Lane NE (504 16th St NE)
Kasson , Minnesota

Owner/Agent:

Aaron Thompson

Designer/Contractor:

Chris Peterson
TRIMENSION DESIGN LLC
LAKE CITY , Minnesota 55041
6513806491
trimensionlc@gmail.com

Notes:

Building Area

Description	Floor Area
1-Multifamily (Multifamily) : Residential	39804
2-Parking Garage (Parking Garage) : Residential	13268



Envelope Compliance Certificate

Project Information

Energy Code: 2024 Minnesota Commercial Energy Code
Project Title: 4th Lane Flats
Location: Kasson, Minnesota
Climate Zone: 6a
Project Type: New Construction
Vertical Glazing / Wall Area: 0.146
Performance Sim. Specs: EnergyPlus 24.1.0 (EPW:)

Construction Site:

1309 4th Ave Lane NE (504 16th St NE)
Kasson , Minnesota

Owner/Agent:

Aaron Thompson

Designer/Contractor:

Chris Peterson
TRIMENSION DESIGN LLC
LAKE CITY , Minnesota 55041
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Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, Exterior Envelope, [Bldg. Use 1 - Multifamily]	13268	49.00	0.00	0.021	0.021
Floor:Floor, Semi-Exterior Envelope, [Bldg. Use 1 - Multifamily] (b)	13268	---	---	0.040	0.027
Floor:Floor 1, Vertical 4 ft., Semi-Exterior Envelope, [Bldg. Use 2 - Parking Garage] (d)	552	---	10.00	0.480	0.434
NORTH					
Ext Wall:North wall, Exterior Envelope, [Bldg. Use 1 - Multifamily]	7648	21.00	0.15	0.061	0.051
Window:Window #6 1, Perf. Specs.: Product ID 6060, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	36	---	---	0.280	0.420
Window:Window #6 2, Perf. Specs.: Product ID 6060, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	36	---	---	0.280	0.420
Window:Window #5 1, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 2, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 3, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 4, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 5, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 6, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 7, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 8, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 9, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 10, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #5 11, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420

[illegible]

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Window: Window #1 3, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 4, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 5, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 6, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 7, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 8, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 9, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 10, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 11, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Door:Service door half glass 1, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 2, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 3, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 4, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 5, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 6, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 7, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 8, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Ext Wall:North, Normal Density, Furring: None, Exterior Envelope, [Bldg. Use 2 - Parking Garage]	2140	---	12.00	0.071	0.071
EAST					
Ext Wall:East Apartment, Exterior Envelope, [Bldg. Use 1 - Multifamily]	2320	21.00	0.15	0.061	0.051
Window:Window #4 1, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 2, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 3, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 4, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 5, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 6, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 7, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 8, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #7 1, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340
Window:Window #7 2, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Window:Window #7 3, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340
Window:Window #7 4, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340
Door:Service door half glass 9, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 10, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 11, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 12, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Ext Wall:East, Normal Density, Furring: None, Exterior Envelope, [Bldg. Use 2 - Parking Garage]	620	---	10.00	0.083	0.071
Door:service door, Swinging, Exterior Envelope, [Bldg. Use 2 - Parking Garage]	20	---	---	0.240	0.370
Door:overhead door, Garage door < 14% glazing, Exterior Envelope, [Bldg. Use 2 - Parking Garage]	128	---	---	0.060	0.370
SOUTH					
Ext Wall:south wall, Exterior Envelope, [Bldg. Use 1 - Multifamily]	7816	21.00	0.15	0.061	0.051
Window: Window #1 12, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 13, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 14, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 15, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 16, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window: Window #1 17, Perf. Specs.: Product ID 2050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	10	---	---	0.280	0.340
Window:Window #2 25, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 26, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 27, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 28, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 29, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 30, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 31, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 32, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 33, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 34, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 35, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 36, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420
Window:Window #2 37, Perf. Specs.: Product ID 5050, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	25	---	---	0.300	0.420

[illegible]

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Window:Window #5 24, Perf. Specs.: Product ID 5060, SHGC 0.32, VT 0.54, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	30	---	---	0.300	0.420
Window:Window #6 3, Perf. Specs.: Product ID 6060, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	36	---	---	0.280	0.420
Window:Window #6 4, Perf. Specs.: Product ID 6060, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	36	---	---	0.280	0.420
Window:Window #6 5, Perf. Specs.: Product ID 6060, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	36	---	---	0.280	0.420
Window:Window #6 6, Perf. Specs.: Product ID 6060, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	36	---	---	0.280	0.420
Door:Service door half glass 17, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 18, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 19, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 20, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 21, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 22, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 23, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 24, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 25, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 26, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Ext Wall:Ext Wall 2, Normal Density, Furring: None, Exterior Envelope, [Bldg. Use 2 - Parking Garage]	2140	---	12.00	0.071	0.071
WEST					
Ext Wall:west wall, Exterior Envelope, [Bldg. Use 1 - Multifamily]	2320	21.00	0.15	0.061	0.051
Window:Window #4 9, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 10, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 11, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 12, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 13, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 14, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 15, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #4 16, Perf. Specs.: Product ID 9050, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	45	---	---	0.280	0.340
Window:Window #7 5, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340
Window:Window #7 6, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340
Window:Window #7 7, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340
Window:Window #7 8, Perf. Specs.: Product ID 8070, SHGC 0.33, VT 0.56, Exterior Envelope, [Bldg. Use 1 - Multifamily] (c)	56	---	---	0.280	0.340

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Door:Service door half glass 13, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 14, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 15, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Door:Service door half glass 16, Swinging, Exterior Envelope, [Bldg. Use 1 - Multifamily]	20	---	---	0.280	0.370
Ext Wall:west, Normal Density, Furring: None, Exterior Envelope, [Bldg. Use 2 - Parking Garage]	620	---	12.00	0.071	0.071

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
 (b) 'Other' components require supporting documentation for proposed U-factors.
 (c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
 (d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.2% 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 2024 Minnesota Commercial Energy Code requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title	Signature	Date
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Inspection Checklist

Energy Code: 2024 Minnesota Commercial Energy Code

Requirements: 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.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [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.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6] ²	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

DRAFT

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Footing / Foundation Inspection

Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1] ²	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- 	R- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
4.2.4 [FO3] ²	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- ☐ Unheated ☐ Heated	R- ☐ Unheated ☐ Heated	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.5 [FO5] ²	Slab edge insulation depth/length.	ft	ft	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.7 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.3 [FO7] ¹	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.4.4.1.5 [FO11] ³	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.	R- 	R- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Framing / Rough-In Inspection

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1] ³	Factory-built and site-assembled fenestration and doors are labeled or certified as meeting air leakage requirements.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.4.3.1 [FR15] ¹	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.4.3.4 [FR4] ³	Vestibules are installed where building entrances separate conditioned space from the exterior, and meet exterior envelope requirements. Doors have self-closing devices, and are ≥ 7 ft apart (≥ 16 ft apart for adjoining floor area ≥ 40000 sq.ft.). Vestibule floor area ≤ 750 sq.ft. or 2 percent of the adjoining conditioned floor area.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.4.3a [FR8] ¹	Vertical fenestration U-Factor.	U- 	U- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.5.4.3b [FR9] ¹	Skylight fenestration U-Factor.	U- 	U- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.5.4.4.1 [FR10] ¹	Vertical fenestration SHGC value.	SHGC: 	SHGC: 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.5.4.4.2 [FR11] ¹	Skylight SHGC value.	SHGC: 	SHGC: 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12] ²	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.2.2 [FR13] ¹	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.6 [FR14] ²	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U- ☐ Swinging ☐ Nonswinging	U- ☐ Swinging ☐ Nonswinging	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.3 [EL11] ²	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.1 [IN10] ²	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.9 [IN18] ²	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.4 [IN11] ²	Eaves are baffled to deflect air to above the insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.5 [IN12] ²	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.6 [IN13] ²	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.1 [IN15] ²	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.2 [IN16] ²	Foundation vents do not interfere with insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.8 [IN17] ³	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [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.	R- ☐ Above deck ☐ Metal ☐ Attic	R- ☐ Above deck ☐ Metal ☐ Attic	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.2, 5.8.1.3 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is $\leq 3:12$.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- ☐ Mass ☐ Metal ☐ Steel ☐ Wood	R- ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- ☐ Mass ☐ Steel ☐ Wood	R- ☐ Mass ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.2 [IN9] ²	Floor insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [FI1] ¹	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

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