

SMARTreview, Inc.

Plan Review Report

Picadilly Circle 1001, Southlake, TX, United States 77712

Project Summary

This project has been reviewed by SMARTreview, Inc. and is compliant with the 2015 International Building Code for all sections listed within this report.

Project Name	Chickadilly Circus 001
Authority Having Jurisdiction	Southlake
Project Address	Picadilly Circle 1001 Southlake, TX United States 77712
Project Description	Our first restaurant in a soon to be international chain of fried chicken purveyors.
Plan Review Report ID	472
Status	Passed
Date	2018-06-12 10:53:31

Project Identification

Project Number	472
Date Submitted	2018-06-12 10:53:31
Project Description	Our first restaurant in a soon to be international chain of fried chicken purveyors.
Project Address	Picadilly Circle 1001 Southlake, TX United States 77712
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Report Identification

ID of Report	472
Date of Report	2018-06-12 10:53:31
Model Filename	Restaurant Alpha complies 2018-06-10.rvt
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IBC Analysis

Section	Result
Section 501: GENERAL	Understood
Section 501.1: Scope	Understood
Section 502: DEFINITIONS	Understood
Section 502.1: Definitions	Understood
Section 504: BUILDING HEIGHT AND NUMBER OF STORIES	Passed
Section 504.2: Mixed occupancy	Not Applicable
Section 504.3: Height in feet	Passed
Section 504.4: Number of stories	Passed
Section 506: BUILDING AREA	Passed
Section 506.1: General	Passed
Section 506.1.1: Unlimited area buildings	Understood
Section 506.1.2: Special provisions	Passed
Section 506.1.3: Basements	Understood
Section 506.2: Allowable area determination	Passed
Section 506.2.1: Single-occupancy, one-story buildings	Passed
Section 506.2.2: Mixed-occupancy, one-story buildings	Not Applicable
Section 506.2.2.1: Group H-2 or H-3 mixed occupancies	Not Applicable
Section 506.2.3: Single-occupancy, multistory buildings	Not Applicable
Section 506.2.4: Mixed-occupancy, multistory buildings	Not Applicable
Section 506.2.4.1: Group H-2 or H-3 mixed occupancies	Not Applicable
Section 506.3: Frontage increase	Passed
Section 506.3.1: Minimum percentage of perimeter	Passed
Section 506.3.2: Minimum frontage distance	Passed

Section	Result
Section 506.3.3: Amount of increase	Passed
Section 508: MIXED USE AND OCCUPANCY	Not Applicable
Section 508.1: General	Not Applicable
Section 508.2: Accessory occupancies	Not Applicable
Section 508.2.1: Occupancy classification	Not Applicable
Section 508.2.2: Allowable building height	Not Applicable
Section 508.2.3: Allowable building area	Not Applicable
Section 508.2.4: Separation of occupancies	Not Applicable
Section 508.3: Nonseparated occupancies	Not Applicable
Section 508.3.1: Occupancy classification	Not Applicable
Section 508.3.2: Allowable building area and height	Not Applicable
Section 508.3.3: Separation	Not Applicable
Section 508.4: Separated occupancies	Not Applicable
Section 508.4.1: Occupancy classification	Not Applicable
Section 508.4.2: Allowable building area	Not Applicable
Section 508.4.3: Allowable height. Each separated occupancy shall comply with the	Not Applicable
Section 508.4.4: Separation	Not Applicable
Section 508.4.4.1: Construction	Not Applicable

Section	Result
Section 601: GENERAL	Understood
Section 601.1: Scope	Understood
Section 602: CONSTRUCTION CLASSIFICATION	Passed
Section 602.1: General	Passed
Section 602.2: Types I and II	Understood
Section 602.5: Type V	Understood
Section 603: COMBUSTIBLE MATERIAL IN TYPES I AND II CONSTRUCTION	Understood
Section 603.1: Allowable materials	Understood
Section 603.1.1: Ducts	Understood
Section 603.1.2: Piping	Understood
Section 603.1.3: Electrical	Understood
Section 701: GENERAL	Understood
Section 701.1: Scope	Understood
Section 701.2: Multiple use fire assemblies	Understood
Section 702: DEFINITIONS	Understood
Section 702.1: Definitions	Understood
Section 703.1: Scope	Understood
Section 705: EXTERIOR WALLS	Passed
Section 705.1: General	Understood
Section 705.8: Openings	Passed
Section 705.8.1: Allowable area of openings	Passed
Section 705.8.4: Mixed openings	Passed
Section 707.1: General	Understood
Section 707.2: Materials	Understood
Section 708.1: General	Understood
Section 709.1: General	Understood
Section 710.1: General	Understood

Section	Result
Section 716.1: General	Understood
Section 719.1: Thickness of plaster	Understood
Section 722.1.1: Definitions	Understood
Section 801.1: Scope	Understood
Section 802: DEFINITIONS	Understood
Section 802.1: Definitions	Understood
Section 803: WALL AND CEILING FINISHES	Passed
Section 803.11: Interior finish requirements based on group	Passed
Section 1004: OCCUPANT LOAD	Passed
Section 1004.1: Design occupant load	Passed
Section 1004.1.1: Cumulative occupant loads	Passed
Section 1004.1.1.1: Intervening spaces or accessory areas	Passed
Section 1004.1.2: Areas without fixed seating	Passed
Section 1004.2: Increased occupant load	Passed
Section 1004.3: Posting of occupant load	Understood
Section 1004.4: Fixed seating	Understood
Section 1006: NUMBER OF EXITS AND EXIT ACCESS DOORWAYS	Passed
Section 1006.1: General	Understood
Section 1006.2: Egress from spaces	Passed
Section 1006.2.1: Egress based on occupant load and common path of egress travel distance	Passed
Section 1006.2.1.1: Three or more exits or exit access doorways	Passed
Section 1006.2.2: Egress based on use	Passed
Section 1006.2.2.3: Refrigerated rooms or spaces	Passed
Section 1006.3: Egress from stories or occupied roofs	Passed
Section 1006.3.1: Egress based on occupant load	Passed
Section 1006.3.2: Single exits	Passed

Section	Result
Section 1007: EXIT AND EXIT ACCESS DOORWAY CONFIGURATION	Passed
Section 1007.1: General	Passed
Section 1007.1.1: Two exits or exit access doorways	Passed
Section 1007.1.1.1: Measurement point	Understood
Section 1007.1.2: Three or more exits or exit access doorways	Passed
Section 1010: DOORS, GATES AND TURNSTILES	Passed
Section 1010.1: Doors	Passed
Section 1010.1.1: Size of doors	Passed
Section 1010.1.2: Door swing	Passed
Section 1010.1.2.1: Direction of swing	Passed
Section 1016: EXIT ACCESS	Understood
Section 1016.1: General	Understood
Section 1017: EXIT ACCESS TRAVEL DISTANCE	Passed
Section 1017.1: General	Understood
Section 1017.2: Limitations	Passed
Section 1017.3: Measurement	Understood
Section 1017.3.1: Exit access stairways and ramps	Understood
Section 1020: CORRIDORS	Passed
Section 1020.4: Dead ends	Passed
Section 1022: EXITS	Passed
Section 1022.2: Exterior exit doors	Passed
Section 1022.2.2: Arrangement	Passed
Section 1023: INTERIOR EXIT STAIRWAYS AND RAMPS	Passed
Section 1023.1: General	Passed
Section 1023.3: Termination	Passed
Section 1024: EXIT PASSAGEWAYS	Passed
Section 1024.1: Exit passageways	Understood

Section	Result
Section 1024.4: Termination	Passed

Chapter 5 - General Building Heights And Areas

This chapter is considered to have Passed. Please refer to the individual sections for the specific results.

Section 501 - GENERAL

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 501.1 - Scope

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 502 - DEFINITIONS

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 502.1 - Definitions

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 504 - BUILDING HEIGHT AND NUMBER OF STORIES

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 504.2 - Mixed occupancy

This section is considered: Not Applicable

The building does not contain mixed occupancies.

Section 504.3 - Height in feet

This section is considered: Passed

The building height of **16.00 ft** does not exceed the limit of **60.00 ft** as specified in Table 504.3 for:

- Occupancy - **A-2**,
- Construction Type - **Type V-B**,
- Sprinklered - **13**.

The Exception allowing for increased heights for towers, spires, steeples, and other roof structures has not been implemented. Please verify this exception manually.

Section 504.4 - Number of stories

This section is considered: Passed

The building number of stories (**1**) does not exceed the maximum allowed number of stories of (**2**) as specified in Table 504.4 for:

- Occupancy - **A-2**,
- Construction Type - **Type V-B**,
- Sprinklered - **13**.

Section 506 - BUILDING AREA

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 506.1 - General

This section is considered: Passed

The allowable floor area of the building was determined based on:

- the type of construction: **Type V-B**
- the occupancy classification: **A-2**
- the availability of a sprinkler system installed throughout the building: **13**
- the amount of building frontage on public way or open space: **338.47 ft**

Please refer to the subsections for further analysis results.

Section 506.1.1 - Unlimited area buildings

This section is considered: Understood

It is understood that unlimited area buildings are to be designed in accordance with Section 507

Section 506.1.2 - Special provisions

This section is considered: Passed

It is understood that Section 510 permits the use of special conditions to alter the allowable area for the building.

Section 506.1.3 - Basements

This section is considered: Understood

The SMARTreview APR software does not include basement areas as part of the determination of whether or not the total floor area satisfies the allowable area requirement for the building.

Section 506.2 - Allowable area determination

This section is considered: Passed

The allowable area of the building was determined in accordance with Section 506.2.1 as there is only one occupancy in the single story building **(A-2)**.

Section 506.2.1 - Single-occupancy, one-story buildings

This section is considered: Passed

The building configuration for the Table 506.2 lookup is as follows:

- Occupancy - **A-2**,
- Sprinkler Value - **13**,
- Construction Type - **Type V-B**

The allowable area for the single occupancy, one-story building is as follows:

$$A_a = A_t + (NS * I_f) \quad (\text{Equation 5-1})$$

where:

$$\begin{aligned} A_a &= \mathbf{28500.00 \text{ sqft}} \\ A_t &= \mathbf{24000.00 \text{ sqft}} \\ NS &= \mathbf{6000.00 \text{ sqft}} \\ I_f &= \mathbf{75.00\%} \end{aligned}$$

The measured building area is **3593.86 sqft**. This does not exceed the calculated allowable area of **28500.00 sqft**.

Section 506.2.2 - Mixed-occupancy, one-story buildings

This section is considered: Not Applicable

This section only applies if the building is single story and mixed occupancies. However, this building has:

- A Single Occupancy

Section 506.2.2.1 will not apply as it also only applies for single story mixed occupancy buildings

Section 506.2.2.1 - Group H-2 or H-3 mixed occupancies

This section is considered: Not Applicable

This section only applies if the building is single story and mixed occupancies with H-2 or H-3 occupancies. However, this building has:

- A Single Occupancy
- Neither H-2 nor H-3 occupancies

Section 506.2.3 - Single-occupancy, multistory buildings

This section is considered: Not Applicable

This section does not apply since:

- The building is single story

Section 506.2.4 - Mixed-occupancy, multistory buildings

This section is considered: Not Applicable

This section only applies if the building is multi story and mixed occupancies. However, this building has:

- A Single Story
- A Single Occupancy

Section 506.2.4.1 will not apply as it also only applies for multi-story, mixed-occupancy buildings

Section 506.2.4.1 - Group H-2 or H-3 mixed occupancies

This section is considered: Not Applicable

Since the building does not contain H-2 or H-3 occupancies, this section does not apply.

Section 506.3 - Frontage increase

This section is considered: Passed

Please refer to Section 506.3.1 through Section 506.3.3 for calculations involving the area factor increase.

Section 506.3.1 - Minimum percentage of perimeter

This section is considered: Passed

The percentage of perimeter that a building has on a public way or open space is calculated as follows:

$$\text{Percentage of Perimeter} = F / P$$

where:

F = Portion of building perimeter that is adjacent to a public way or open space with a minimum of 20.00 ft

P = Total building perimeter

$$F = 338.47 \text{ ft}$$

$$P = 338.47 \text{ ft}$$

$$\text{Percentage of Perimeter} = \mathbf{100.00 \%}$$

Since the percentage is greater than 25 %, the building may qualify for an area factor increase based on frontage. See Section 506.3.3 for the detailed calculation.

Section 506.3.2 - Minimum frontage distance

This section is considered: Passed

The public way or open space adjacent to the building perimeter has a minimum distance (W) of **30.00 ft**.

Since the minimum frontage distance (W) is not less than 20.00 ft, the building may qualify for an area factor increase based on frontage. See Section 506.3.3 for the frontage increase calculation.

The Exception is Section 507 has not been implemented. Please verify manually.

Section 506.3.3 - Amount of increase

This section is considered: Passed

The area factor increase as follows:

$$I_f = [338.47 \text{ ft} / 338.47 \text{ ft} - 0.25] * 30.00 \text{ ft} / 30.00 \text{ ft}$$

$$I_f = \mathbf{75.00 \%}$$

Section 508 - MIXED USE AND OCCUPANCY

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.1 - General

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.2 - Accessory occupancies

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.2.1 - Occupancy classification

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.2.2 - Allowable building height

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.2.3 - Allowable building area

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.2.4 - Separation of occupancies

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.3 - Nonseparated occupancies

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.3.1 - Occupancy classification

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.3.2 - Allowable building area and height

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.3.3 - Separation

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.4 - Separated occupancies

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.4.1 - Occupancy classification

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.4.2 - Allowable building area

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.4.3 - Allowable height. Each separated occupancy shall comply with the

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.4.4 - Separation

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Section 508.4.4.1 - Construction

This section is considered: Not Applicable

This section only applies for Mixed Use and Occupancy buildings. This building is a single occupancy building, therefore this section does not apply.

Chapter 6 - Types Of Construction

This chapter is considered to have Passed. Please refer to the individual sections for the specific results.

Section 601 - GENERAL

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 601.1 - Scope

This section is considered: Understood

It is understood that the provisions in this chapter control the classifications of buildings as to the type of construction.

Section 602 - CONSTRUCTION CLASSIFICATION

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 602.1 - General

This section is considered: Passed

The following elements are verified by this section:

- Exterior Bearing Walls
- Interior Bearing Walls
- Exterior Nonbearing Walls
- Interior Nonbearing Walls
- Floor Construction
- Roof Construction

Please verify that each element has been properly configured with the correct fire-resistive rating in accordance with the type of construction used for the element.

NOTE: the following elements are currently not verified:

- Primary Structural Frame elements
- Floor Construction Secondary Members
- Roof Construction Secondary Members

Please refer to the below sections for the analysis results.

Exterior Bearing Walls Analysis

Exterior Bearing Wall Analysis Result: **Passed**

There were no exterior bearing walls found in the project.

Interior Bearing Walls Analysis

Interior Bearing Wall Analysis Result: **Passed**

There were no interior bearing walls found in the project.

Exterior Nonbearing Walls Analysis

Exterior Nonbearing Wall Analysis Result: **Passed**

The minimum required fire resistive rating in hours for *Exterior Nonbearing Walls* varies based on the occupancy and the Fire Separation Distance associated with the wall. For walls that are associated with multiple occupancies, the most restrictive fire resistance rating was used. All *Exterior Nonbearing Walls* in the building have met or exceeded this minimum required value. Please see the below table for a detailed analysis.

Wall	Result	Reason
North 1	Passed	The exterior nonbearing wall is (74.22 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
East 1	Passed	The exterior nonbearing wall is (39.32 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
South 1	Passed	The exterior nonbearing wall is (61.44 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Wall	Result	Reason
North 0	Passed	The exterior nonbearing wall is (78.66 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
West 3	Passed	The exterior nonbearing wall is (82.30 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
West 2	Passed	The exterior nonbearing wall is (72.52 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
West 1	Passed	The exterior nonbearing wall is (68.90 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
North 00	Passed	The exterior nonbearing wall is (72.22 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
West 0	Passed	The exterior nonbearing wall is (89.28 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
South 4	Passed	The exterior nonbearing wall is (57.28 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
East 3	Passed	The exterior nonbearing wall is (86.47 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Wall	Result	Reason
West 00	Passed	The exterior nonbearing wall is (79.31 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
South 2	Passed	The exterior nonbearing wall is (56.88 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
East 2	Passed	The exterior nonbearing wall is (71.86 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (427967)	Passed	The exterior nonbearing wall is (48.59 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (428006)	Passed	The exterior nonbearing wall is (81.39 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (428064)	Passed	The exterior nonbearing wall is (40.37 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (428091)	Passed	The exterior nonbearing wall is (61.71 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
South 5	Passed	The exterior nonbearing wall is (63.06 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Wall	Result	Reason
Not Set (428806)	Passed	The exterior nonbearing wall is (88.29 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (428853)	Passed	The exterior nonbearing wall is (61.10 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
South 3	Passed	The exterior nonbearing wall is (60.78 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (430087)	Passed	The exterior nonbearing wall is (68.06 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (430741)	Passed	The exterior nonbearing wall is (62.56 ft) from the property line. The distance to property line requires that the wall have a fire rating of at least (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Interior Nonbearing Walls Analysis

Interior Nonbearing Wall Analysis Result: **Passed**

The minimum required fire resistive rating in hours for *Interior Nonbearing Walls in Type V-B construction* is **0 hours**. All *Interior Nonbearing Walls* in the building met or exceeded this minimum required value. Please see the below table for a detailed analysis.

Wall	Result	Reason
Not Set (429346)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429410)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429458)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429524)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429609)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429740)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429831)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (429914)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (430493)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Wall	Result	Reason
Not Set (430893)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (431056)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (431149)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (431216)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (431284)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (431446)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (436702)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (436803)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437130)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Wall	Result	Reason
Not Set (437162)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437294)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437368)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437418)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437456)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437528)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437583)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437625)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (437722)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Wall	Result	Reason
Not Set (437780)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (440085)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.
Not Set (442439)	Passed	The interior nonbearing wall is required to have a minimum fire rating of (0 hours). The wall has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Floors Analysis

Floors Analysis Result: **Passed**

The minimum required fire resistive rating in hours for *Floors in Type V-B construction* is **0 hours**. All *Floors* in the building met or exceeded this minimum required value. Please see the below table for a detailed analysis.

Floor ID	Result	Reason
444549	Passed	The floor is required to have a minimum fire rating of (0 hours). The floor has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Roofs Analysis

Roofs Analysis Result: **Passed**

The minimum required fire resistive rating in hours for *Roofs in Type V-B construction* is **0 hours**. All *Roofs* in the building met or exceeded this minimum required value. Please see the below table for a detailed analysis.

Roof ID	Result	Reason
387284	Passed	The roof is required to have a minimum fire rating of (0 hours). The roof has a fire rating of (0.0 hours) which meets or exceeds the minimum required rating.

Section 602.2 - Types I and II

This section is considered: Understood

It is understood that Types I and II construction are those types of construction in which the building elements in Table 601 are of noncombustible materials.

Section 602.5 - Type V

This section is considered: Understood

It is understood that Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any materials permitted in the code.

Section 603 - COMBUSTIBLE MATERIAL IN TYPES I AND II CONSTRUCTION

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 603.1 - Allowable materials

This section is considered: Understood

This section has not been implemented.

Section 603.1.1 - Ducts

This section is considered: Understood

It is understood that nonmetallic ducts are to be permitted where installed in accordance with the limitations of the *International Mechanical Code*.

Section 603.1.2 - Piping

This section is considered: Understood

It is understood that the use of combustible piping materials is permitted where installed in accordance with the limitations of the *International Mechanical Code* and the *International Plumbing Code*.

Section 603.1.3 - Electrical

This section is considered: Understood

It is understood that the use of electrical wiring methods with combustible insulation, tubing, raceways and related components are permitted where installed in accordance with the limitations of this code.

Chapter 7 - Fire And Smoke Protection Features

This chapter is considered to have Passed. Please refer to the individual sections for the specific results.

Section 701 - GENERAL

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 701.1 - Scope

This section is considered: Understood

It is understood that the provisions of this chapter govern the materials, systems and assemblies used for structural *fire resistance* and fire-resistance-rated construction separation of adjacent spaces to safeguard against the spread of fire and smoke within a building and the spread of fire to or from buildings.

Section 701.2 - Multiple use fire assemblies

This section is considered: Understood

It is understood that fire assemblies that serve multiple purposes in a building are to comply with all of the requirements that are applicable for each of the individual fire assemblies.

Section 702 - DEFINITIONS

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 702.1 - Definitions

This section is considered: Understood

The definitions are understood.

Section 703.1 - Scope

This section is considered: Understood

It is understood that materials prescribed herein for *fire resistance* are to conform to the requirements of this chapter.

Section 705 - EXTERIOR WALLS

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 705.1 - General

This section is considered: Understood

It is understood that *Exterior Walls* are to comply with this section.

Section 705.8 - Openings

This section is considered: Passed

It is understood that openings in *exterior walls* are to comply with this section.

Section 705.8.1 - Allowable area of openings

This section is considered: Passed

Exterior Wall Opening Verification For Story 1

The exterior walls on the story were analyzed to determine if the area of openings was within the requirements of this section.

All exterior walls satisfied the opening requirements for this section. Please refer to the following table for details of the analysis.

Wall	Result	Reason
North 1	Passed	<p>The wall has an estimated area on Story (1) of (1450.42 sqft) and is (74.22 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (56.00 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies
East 1	Passed	<p>The wall has an estimated area on Story (1) of (837.41 sqft) and is (39.32 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (47.81 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies
South 1	Passed	<p>The wall has an estimated area on Story (1) of (630.12 sqft) and is (61.44 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
North 0	Passed	<p>The wall has an estimated area on Story (1) of (158.91 sqft) and is (78.66 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (20.01 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies

Wall	Result	Reason
West 3	Passed	<p>The wall has an estimated area on Story (1) of (94.99 sqft) and is (82.30 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
West 2	Passed	<p>The wall has an estimated area on Story (1) of (571.91 sqft) and is (72.52 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (80.00 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies
West 1	Passed	<p>The wall has an estimated area on Story (1) of (170.51 sqft) and is (68.90 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (28.00 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies
North 00	Passed	<p>The wall has an estimated area on Story (1) of (32.84 sqft) and is (72.22 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
West 0	Passed	<p>The wall has an estimated area on Story (1) of (101.68 sqft) and is (89.28 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
South 4	Passed	<p>The wall has an estimated area on Story (1) of (55.26 sqft) and is (57.28 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>

Wall	Result	Reason
East 3	Passed	<p>The wall has an estimated area on Story (1) of (72.18 sqft) and is (86.47 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
West 00	Passed	<p>The wall has an estimated area on Story (1) of (78.67 sqft) and is (79.31 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
South 2	Passed	<p>The wall has an estimated area on Story (1) of (145.93 sqft) and is (56.88 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
East 2	Passed	<p>The wall has an estimated area on Story (1) of (101.68 sqft) and is (71.86 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
Not Set (427967)	Passed	<p>The wall has an estimated area on Story (1) of (315.20 sqft) and is (48.59 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
Not Set (428006)	Passed	<p>The wall has an estimated area on Story (1) of (131.52 sqft) and is (81.39 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (20.01 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 2 applies
Not Set (428064)	Passed	<p>The wall has an estimated area on Story (1) of (315.20 sqft) and is (40.37 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
Not Set (428091)	Passed	<p>The wall has an estimated area on Story (1) of (131.52 sqft) and is (61.71 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>

Wall	Result	Reason
South 5	Passed	<p>The wall has an estimated area on Story (1) of (669.85 sqft) and is (63.06 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (60.00 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies
Not Set (428806)	Passed	<p>The wall has an estimated area on Story (1) of (22.72 sqft) and is (88.29 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
Not Set (428853)	Passed	<p>The wall has an estimated area on Story (1) of (30.08 sqft) and is (61.10 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>
South 3	Passed	<p>The wall has an estimated area on Story (1) of (141.01 sqft) and is (60.78 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (294.00 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 1.2 appliesException 2 applies

Wall	Result	Reason
Not Set (430087)	Passed	<p>The wall has an estimated area on Story (1) of (131.52 sqft) and is (68.06 ft) from the property line.</p> <p><i>Unprotected, Sprinklered Openings</i></p> <hr/> <p>The wall has an Unprotected, Sprinklered opening area of (20.01 sqft). Unprotected, Sprinklered openings are allowed to be unlimited for the wall.</p> <ul style="list-style-type: none"> • Exception 2 applies
Not Set (430741)	Passed	<p>The wall has an estimated area on Story (1) of (7.52 sqft) and is (62.56 ft) from the property line.</p> <p>There are no openings in the exterior wall to verify.</p>

Section 705.8.4 - Mixed openings

This section is considered: Passed

Exterior Wall Mixed Opening Verification For Story 1		
<p>The exterior walls on the story were analyzed to determine if the mixed area of openings was within the requirements of this section.</p> <p>All exterior walls satisfied the mixed opening requirements for this section. Please refer to the following table for details of the analysis.</p>		
Wall	Result	Reason
North 1	Passed	<p>The wall has an estimated area on Story (1) of (1450.42 sqft). There are:</p> <ul style="list-style-type: none"> • (56.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>

Wall	Result	Reason
East 1	Passed	<p>The wall has an estimated area on Story (1) of (837.41 sqft). There are:</p> <ul style="list-style-type: none"> • (47.81 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
South 1	Passed	<p>The wall has an estimated area on Story (1) of (630.12 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
North 0	Passed	<p>The wall has an estimated area on Story (1) of (158.91 sqft). There are:</p> <ul style="list-style-type: none"> • (20.01 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
West 3	Passed	<p>The wall has an estimated area on Story (1) of (94.99 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
West 2	Passed	<p>The wall has an estimated area on Story (1) of (571.91 sqft). There are:</p> <ul style="list-style-type: none"> • (80.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>

Wall	Result	Reason
West 1	Passed	<p>The wall has an estimated area on Story (1) of (170.51 sqft). There are:</p> <ul style="list-style-type: none"> • (28.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
North 00	Passed	<p>The wall has an estimated area on Story (1) of (32.84 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
West 0	Passed	<p>The wall has an estimated area on Story (1) of (101.68 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
South 4	Passed	<p>The wall has an estimated area on Story (1) of (55.26 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
East 3	Passed	<p>The wall has an estimated area on Story (1) of (72.18 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>

Wall	Result	Reason
West 00	Passed	<p>The wall has an estimated area on Story (1) of (78.67 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
South 2	Passed	<p>The wall has an estimated area on Story (1) of (145.93 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
East 2	Passed	<p>The wall has an estimated area on Story (1) of (101.68 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (427967)	Passed	<p>The wall has an estimated area on Story (1) of (315.20 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (428006)	Passed	<p>The wall has an estimated area on Story (1) of (131.52 sqft). There are:</p> <ul style="list-style-type: none"> • (20.01 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>

Wall	Result	Reason
Not Set (428064)	Passed	<p>The wall has an estimated area on Story (1) of (315.20 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (428091)	Passed	<p>The wall has an estimated area on Story (1) of (131.52 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
South 5	Passed	<p>The wall has an estimated area on Story (1) of (669.85 sqft). There are:</p> <ul style="list-style-type: none"> • (60.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (428806)	Passed	<p>The wall has an estimated area on Story (1) of (22.72 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (428853)	Passed	<p>The wall has an estimated area on Story (1) of (30.08 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>

Wall	Result	Reason
South 3	Passed	<p>The wall has an estimated area on Story (1) of (141.01 sqft). There are:</p> <ul style="list-style-type: none"> • (294.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (430087)	Passed	<p>The wall has an estimated area on Story (1) of (131.52 sqft). There are:</p> <ul style="list-style-type: none"> • (20.01 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>
Not Set (430741)	Passed	<p>The wall has an estimated area on Story (1) of (7.52 sqft). There are:</p> <ul style="list-style-type: none"> • (0.00 sqft) of unprotected openings • (0.00 sqft) of protected openings <p>As there are no mixed openings in the wall, the wall does not qualify for mixed opening analysis.</p>

Section 707.1 - General

This section is considered: Understood

It is understood that *Fire Barriers* installed as required elsewhere in this code or the *International Fire Code* are to comply with this section.

Section 707.2 - Materials

This section is considered: Understood

It is understood that *Fire Barriers* are to be of materials permitted by the building type of construction.

Section 708.1 - General

This section is considered: Understood

It is understood that the wall assemblies listed are to comply with this section.

Section 709.1 - General

This section is considered: Understood

It is understood that vertical and horizontal *smoke barriers* are to comply with this section.

Section 710.1 - General

This section is considered: Understood

It is understood that smoke partitions installed as required elsewhere in the code are to comply with this section.

Section 716.1 - General

This section is considered: Understood

It is understood that opening protectives required by other sections of this code are to comply with the provisions of this section.

Section 719.1 - Thickness of plaster

This section is considered: Understood

It is understood that the minimum thickness of gypsum plaster or Portland cement plaster used in a fire-resistance-rated system is to be determined by the prescribed fire tests. It is further understood that the plaster thickness is to be measured from the face of the lath where applied to gypsum lath or metal lath.

Section 722.1.1 - Definitions

This section is considered: Understood

The definitions listed are understood.

Chapter 8 - Interior Finishes

This chapter is considered to have Passed. Please refer to the individual sections for the specific results.

Section 801.1 - Scope

This section is considered: Understood

It is understood that the provisions of this chapter govern the use of materials used as *interior finishes, trim, and decorative materials*.

Section 802 - DEFINITIONS

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 802.1 - Definitions

This section is considered: Understood

The definitions are understood.

Section 803 - WALL AND CEILING FINISHES

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 803.11 - Interior finish requirements based on group

This section is considered: Passed

The rooms in the building were analyzed to determine if they met the minimum required flame spread classification. Each story's results are contained in the sections below.

Interior Wall and Ceiling Finishes Analysis for Story 1

The rooms on the story were analyzed to determine if the Interior Wall and Ceiling finishes met the minimum required flame spread classification. The results are contained in the following table:

Room ID	Name	Result	Reason
457438	Dining Room	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457441	Entry	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457444	Drive Through Window	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457447	Server Station	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>

Room ID	Name	Result	Reason
457450	Kitchen	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457453	Office	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457456	Riser Room	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457459	Men's Room	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>

Room ID	Name	Result	Reason
457462	Hallway	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457465	Women's Room	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457468	Cooler	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>
457471	Freezer	Passed	<p>The room is associated with the following occupancies:</p> <ul style="list-style-type: none"> • A-2 <p>There were no Notes that applied to the room.</p> <p>The room has a Flame Spread Classification of (B), which meets or exceeds the Minimum Allowed Flame Spread Classification of (C).</p>

Chapter 10 - Means Of Egress

This chapter is considered to have Passed. Please refer to the individual sections for the specific results.

Section 1004 - OCCUPANT LOAD

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1004.1 - Design occupant load

This section is considered: Passed

It is understood that the number of occupants for whom means of egress facilities are provided will be determined in this section.

Section 1004.1.1 - Cumulative occupant loads

This section is considered: Passed

It is understood that cumulative occupant loads are determined in accordance with this section.

Section 1004.1.1.1 - Intervening spaces or accessory areas

This section is considered: Passed

Cumulative Occupant Loads were calculated for each room on each story. Please look at the story sections for the results.

Cumulative Occupant Loads For Story 1

The Cumulated Occupant Load for each room on the story is listed in the table below. The Cumulative Occupant Load for the story is 147

Room ID	Name	Cumulative Occupant Load
457438	Dining Room	80
457441	Entry	63
457444	Drive Through Window	1
457447	Server Station	1
457450	Kitchen	9

Room ID	Name	Cumulative Occupant Load
457453	Office	1
457456	Riser Room	1
457459	Men's Room	8
457462	Hallway	21
457465	Women's Room	8
457468	Cooler	2
457471	Freezer	1

Section 1004.1.2 - Areas without fixed seating

This section is considered: Passed

The calculated occupant loads for each room on each story of the building are listed below. Please refer to the tables below for the details.

Calculated Room Occupant Loads for Story 1

The following table holds the calculated or overridden occupant loads for each room on Story 1. The cumulative occupant load for each room is shown as part of Section 1004.1.1.1.

Room ID	Name	Reason
457438	Dining Room	The room has a Function of Space of (Assembly Without Fixed Seats - Unconcentrated) and room area of (1090.71 sqft). The Occupant Load Factor associated with the Function of Space is (15). This resulted in a (net) Occupant Load of (73).
457441	Entry	The room has a Function of Space of (Assembly Without Fixed Seats - Unconcentrated) and room area of (617.89 sqft). The Occupant Load Factor associated with the Function of Space is (15). This resulted in a (net) Occupant Load of (42).
457444	Drive Through Window	The room has a Function of Space of (Kitchen - Commercial) and room area of (94.81 sqft). The Occupant Load Factor associated with the Function of Space is (200). This resulted in a (gross) Occupant Load of (1).

Room ID	Name	Reason
457447	Server Station	The room has a Function of Space of (Kitchen - Commercial) and room area of (36.80 sqft). The Occupant Load Factor associated with the Function of Space is (200). This resulted in a (gross) Occupant Load of (1).
457450	Kitchen	The room has a Function of Space of (Kitchen - Commercial) and room area of (933.31 sqft). The Occupant Load Factor associated with the Function of Space is (200). This resulted in a (gross) Occupant Load of (5).
457453	Office	The room has a Function of Space of (Business Area) and room area of (48.98 sqft). The Occupant Load Factor associated with the Function of Space is (100). This resulted in a (gross) Occupant Load of (1).
457456	Riser Room	The room has a Function of Space of (Mechanical Equipment Room) and room area of (68.89 sqft). The Occupant Load Factor associated with the Function of Space is (300). This resulted in a (gross) Occupant Load of (1).
457459	Men's Room	The room has a Function of Space of (Assembly Without Fixed Seats - Unconcentrated) and room area of (106.74 sqft). The Occupant Load Factor associated with the Function of Space is (15). This resulted in a (net) Occupant Load of (8).
457462	Hallway	The room has a Function of Space of (Assembly Without Fixed Seats - Unconcentrated) and room area of (61.92 sqft). The Occupant Load Factor associated with the Function of Space is (15). This resulted in a (net) Occupant Load of (5).
457465	Women's Room	The room has a Function of Space of (Assembly Without Fixed Seats - Unconcentrated) and room area of (116.10 sqft). The Occupant Load Factor associated with the Function of Space is (15). This resulted in a (net) Occupant Load of (8).
457468	Cooler	The room has a Function of Space of (Accessory Storage Area) and room area of (102.54 sqft). The Occupant Load Factor associated with the Function of Space is (300). This resulted in a (gross) Occupant Load of (1).
457471	Freezer	The room has a Function of Space of (Accessory Storage Area) and room area of (47.62 sqft). The Occupant Load Factor associated with the Function of Space is (300). This resulted in a (gross) Occupant Load of (1).

Section 1004.2 - Increased occupant load

This section is considered: Passed

All rooms passed the increased Occupant Load analysis.

Increased Room Occupant Loads for Story 1

All rooms on the story passed the increased Occupant Load analysis. Please see the following table for details.

Room ID	Name	Result	Reason
457438	Dining Room	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457441	Entry	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457444	Drive Through Window	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457447	Server Station	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457450	Kitchen	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457453	Office	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457456	Riser Room	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457459	Men's Room	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457462	Hallway	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.

Room ID	Name	Result	Reason
457465	Women's Room	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457468	Cooler	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.
457471	Freezer	Passed	The room did not have an overridden Occupant Load value. This section does not apply to this room.

Section 1004.3 - Posting of occupant load

This section is considered: Understood

It is understood that every room or space that is an assembly occupancy is to have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. It is understood that posted signs are of an approved legible permanent design and are maintained by the owner or the owner's authorized agent.

Section 1004.4 - Fixed seating

This section is considered: Understood

There currently is no calculation of occupant load for areas that have fixed seats and aisles provided by the SMARTreview APR software. Instead an override to occupant load as calculated by Section 1004.1.2 is provided. For those areas that require an occupant load calculation based on Fixed seating, please calculate the value and supply the room with the override value.

Section 1006 - NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

This section is considered: Passed

Section 1006.1 - General

This section is considered: Understood

It is understood that the number of exits or exit access doorways that are required within the means of egress system are to comply with the provisions of Section 1006.2 for spaces, including mezzanines, and Section 1006.3 for stories.

Section 1006.2 - Egress from spaces

This section is considered: Passed

It is understood that rooms, areas or spaces, including mezzanines, within a story or basement are to be provided with the number of exits or access to exits in accordance with this section.

Section 1006.2.1 - Egress based on occupant load and common path of egress travel distance

This section is considered: Passed

Story 1 - Analysis

All rooms on the story have met the requirements of this section. Please refer to the following table for detailed analysis about each room on the story.

Room ID	Name	Result	Reason
457438	Dining Room	Passed	<p>The design occupant load is (80) which exceeds the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant). The minimum number of exits or exit access doorways that are required is (2). The room provides (4) exits or exit access doorways, which meets or exceeds the required number of exits or exit access doorways.</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (0.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>

Room ID	Name	Result	Reason
457441	Entry	Passed	<p>The design occupant load is (63) which exceeds the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant). The minimum number of exits or exit access doorways that are required is (2). The room provides (4) exits or exit access doorways, which meets or exceeds the required number of exits or exit access doorways.</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (0.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457444	Drive Through Window	Passed	<p>The design occupant load is (1) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (0.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457447	Server Station	Passed	<p>The design occupant load is (1) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (11.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>

Room ID	Name	Result	Reason
457450	Kitchen	Passed	<p>The design occupant load is (9) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (0.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457453	Office	Passed	<p>The design occupant load is (1) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (13.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457456	Riser Room	Passed	<p>The design occupant load is (1) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (15.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457459	Men's Room	Passed	<p>The design occupant load is (8) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (36.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>

Room ID	Name	Result	Reason
457462	Hallway	Passed	<p>The design occupant load is (21) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (15.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457465	Women's Room	Passed	<p>The design occupant load is (8) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (35.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457468	Cooler	Passed	<p>The design occupant load is (2) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (18.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>
457471	Freezer	Passed	<p>The design occupant load is (1) which does not exceed the Maximum Occupant Load of Space (49) from Table 1006.2.1 for the occupancy (A-2 - Restaurant).</p> <p>The Maximum Common Path of Egress Travel Distance from Table 1006.2.1 is (75.00 ft) for the occupancy (A-2 - Restaurant). The Common Path of Travel is (26.00 ft), which does not exceed the Maximum Common Path of Egress Travel Distance.</p>

Section 1006.2.1.1 - Three or more exits or exit access doorways

This section is considered: Passed

Story 1 - Analysis

All rooms on the story have met the requirements of this section. Please refer to the following table for detailed analysis about each room on the story.

Room ID	Name	Result	Reason
457438	Dining Room	Passed	The room has a design occupant load of (80) which does not require 3 or more exits or exit access doorways.
457441	Entry	Passed	The room has a design occupant load of (63) which does not require 3 or more exits or exit access doorways.
457444	Drive Through Window	Passed	The room has a design occupant load of (1) which does not require 3 or more exits or exit access doorways.
457447	Server Station	Passed	The room has a design occupant load of (1) which does not require 3 or more exits or exit access doorways.
457450	Kitchen	Passed	The room has a design occupant load of (9) which does not require 3 or more exits or exit access doorways.
457453	Office	Passed	The room has a design occupant load of (1) which does not require 3 or more exits or exit access doorways.
457456	Riser Room	Passed	The room has a design occupant load of (1) which does not require 3 or more exits or exit access doorways.
457459	Men's Room	Passed	The room has a design occupant load of (8) which does not require 3 or more exits or exit access doorways.

Room ID	Name	Result	Reason
457462	Hallway	Passed	The room has a design occupant load of (21) which does not require 3 or more exits or exit access doorways.
457465	Women's Room	Passed	The room has a design occupant load of (8) which does not require 3 or more exits or exit access doorways.
457468	Cooler	Passed	The room has a design occupant load of (2) which does not require 3 or more exits or exit access doorways.
457471	Freezer	Passed	The room has a design occupant load of (1) which does not require 3 or more exits or exit access doorways.

Section 1006.2.2 - Egress based on use

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1006.2.2.3 - Refrigerated rooms or spaces

This section is considered: Passed

Refrigerated Room or Spaces Analysis for Story 1

The refrigerated rooms that are located on Story 1 are listed below. All refrigerated rooms on the story passed the verification of:

- At least two exits or exit access doorways

Room ID	Name	Area	Number of Exits or Exit Access Doors	Result	Reason
457468	Cooler	102.54 sqft	1	Passed	<p>The refrigerated room does not exceed 1000 square feet (93m²) and therefore does not need to have access to two or more exits or exit access doorways.</p> <p>The refrigerated room is equipped with an approved automatic sprinkler system and is not required to have all portions of the room to be within 150 feet (45,720 mm).</p>
457471	Freezer	47.62 sqft	1	Passed	<p>The refrigerated room does not exceed 1000 square feet (93m²) and therefore does not need to have access to two or more exits or exit access doorways.</p> <p>The refrigerated room is equipped with an approved automatic sprinkler system and is not required to have all portions of the room to be within 150 feet (45,720 mm).</p>

Section 1006.3 - Egress from stories or occupied roofs

This section is considered: Passed

The Aggregate Occupant Loads for each story are listed in the following table.

Aggregate Occupant Loads

Story	Aggregate Occupant Load
1	147

Section 1006.3.1 - Egress based on occupant load

This section is considered: Passed

Each story was checked to determine if the story met or exceeded the minimum number of exits required. All stories in the building passed. Please see the following table for the detailed analysis results.

Story	Result	Reason
1	Passed	The story has an aggregate occupant load of (147). The story has (4) exits, which meets or exceeds the required number of exits (2).

Section 1006.3.2 - Single exits

This section is considered: Passed

Below are the analysis results detailing whether or not a story has been qualified to have a single exit or access to a single exit. For those stories with mixed occupancies, please refer to Section 1006.3.2.1 for the results.

Story	Qualified For Single Exit	Reason
1	No	<p>Condition 1: Occupancy A-2 on Story 1 has an aggregate occupant load of 147 which exceeds the maximum occupant load per story of 49 as described by Table 1006.3.2(2).</p> <p>Condition 2 was not implemented.</p> <p>Condition 3 was not implemented.</p> <p>Condition 4 was not implemented.</p> <p>Condition 5 was not implemented.</p> <p>None of the conditions have passed.</p>

Section 1007 - EXIT AND EXIT ACCESS DOORWAY CONFIGURATION

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1007.1 - General

This section is considered: Passed

It is understood that exits, exit access doorways, and exit access stairways and ramps serving spaces, including individual building stories, shall be separated in accordance with the provisions of this section.

Section 1007.1.1 - Two exits or exit access doorways

This section is considered: Passed

Exit and Exit Access Doorway Analysis for Story 1

The story requires two exits to be separated by a minimum of (31.24 ft). The following are the actual separation distances of exits:

- Door (34) and Door (27) are separated by (51.09 ft)
- Door (34) and Door (35) are separated by (76.79 ft)
- Door (34) and Door (36) are separated by (76.03 ft)
- Door (27) and Door (35) are separated by (51.31 ft)
- Door (27) and Door (36) are separated by (59.41 ft)
- Door (35) and Door (36) are separated by (13.00 ft)

At least two exits met or exceeded the minimum separation distance. The story has passed the exit separation requirement.

In addition to verifying story exit separation, each room that was required to provide two egress doors was analyzed to determine if the separation of the egress doors met or exceeded the minimum separation distance required. Please see the below table for details of the analysis.

Room ID	Name	Result	Reason
457438	Dining Room	Passed	<p>The room requires two egress doors and the room provides (4) egress doors. There must be at least two egress doors that are separated by at least (17.19 ft).</p> <p>Room Egress Doors Separation</p> <hr/> <ul style="list-style-type: none"> • Door (33) and Door (34) are separated by (33.73 ft) • Door (rsl_-103) and Door (33) are separated by (30.89 ft) • Door (rsl_-103) and Door (34) are separated by (38.47 ft) • Door (rsl_-103) and Door (rsl_-101) are separated by (24.52 ft) • Door (rsl_-101) and Door (33) are separated by (10.44 ft) • Door (rsl_-101) and Door (34) are separated by (25.08 ft) <p>At least two egress doors met or exceeded the minimum separation distance.</p>

Room ID	Name	Result	Reason
457441	Entry	Passed	<p>The room requires two egress doors and the room provides (4) egress doors. There must be at least two egress doors that are separated by at least (13.73 ft).</p> <p>Room Egress Doors Separation</p> <hr/> <ul style="list-style-type: none"> • Door (rsl_-103) and Door (rsl_-102) are separated by (28.43 ft) • Door (rsl_-103) and Door (rsl_-101) are separated by (24.52 ft) • Door (rsl_-103) and Door (27) are separated by (15.81 ft) • Door (rsl_-102) and Door (rsl_-101) are separated by (18.03 ft) • Door (rsl_-102) and Door (27) are separated by (24.04 ft) • Door (rsl_-101) and Door (27) are separated by (30.68 ft) <p>At least two egress doors met or exceeded the minimum separation distance.</p>
457444	Drive Through Window	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457447	Server Station	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457450	Kitchen	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457453	Office	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457456	Riser Room	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.

Room ID	Name	Result	Reason
457459	Men's Room	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457462	Hallway	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457465	Women's Room	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457468	Cooler	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.
457471	Freezer	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require two egress doors.

Section 1007.1.1.1 - Measurement point

This section is considered: Understood

It is understood that the measurement point for calculating the separation distances between exit and/or exit access doorways is as described in this section.

Section 1007.1.2 - Three or more exits or exit access doorways

This section is considered: Passed

Exit and Exit Access Doorway Analysis for Story 1

The story requires 2 exits. This section only verifies the story exit separation distance if three or more exits are required.

In addition to verifying story exit separation, each room that was required to provide three or more egress doors was analyzed to determine if the separation of the egress doors met or exceeded the minimum separation distance required. Please see the below table for details of the analysis.

Room ID	Name	Result	Reason
457438	Dining Room	Not Applicable	The room requires (2) egress doors. The section only validates rooms that require three or more egress doors.
457441	Entry	Not Applicable	The room requires (2) egress doors. The section only validates rooms that require three or more egress doors.
457444	Drive Through Window	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457447	Server Station	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457450	Kitchen	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457453	Office	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457456	Riser Room	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457459	Men's Room	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457462	Hallway	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.

Room ID	Name	Result	Reason
457465	Women's Room	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457468	Cooler	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.
457471	Freezer	Not Applicable	The room requires (1) egress doors. The section only validates rooms that require three or more egress doors.

Section 1010 - DOORS, GATES AND TURNSTILES

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1010.1 - Doors

This section is considered: Passed

It is understood that *Means of Egress* doors are to meet the requirements of this section.

Please verify that *Means of Egress* doors are:

- Readily distinguishable from the adjacent construction
- The doors are easily recognizable as doors
- Mirrors or other reflecting materials are not used on the doors
- Curtains, drapes, decorations or similar materials are not used to conceal the doors

Section 1010.1.1 - Size of doors

This section is considered: Passed

All egress doors in the building met or exceeded the minimum clear width of 32 inches (813 mm) and had a height of not less than 80 inches (2032 mm). Please see the story sections below for details of the analysis.

Size of Egress Door Analysis for Story 1

The egress doors on the story were checked to verify that each egress door provided a minimum clear width of 32 inches (813 mm) and a height of not less than 80 inches (2032 mm). Please see the below table for the individual door results.

Door	Result	Reason
rsl_-103 (rsl_-103)	Passed	The door between (Dining Room, Entry) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).
rsl_-101 (rsl_-101)	Passed	The door between (Dining Room, Entry) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).
33 (SMRV Interior 36" x 80")	Passed	The door between (Kitchen, Dining Room) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).
34 (SMRV Exterior 36" x 80" 0 rated)	Passed	The door between (Dining Room, Outside) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).

Door	Result	Reason
rsl_-102 (rsl_-102)	Passed	<p>The door between (Entry, Kitchen) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
27 (SMRV Exterior 72" x 84")	Passed	<p>The door between (Entry, Outside) is 72 inches in width which results in a minimum clear width of 68 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
rsl_-105 (rsl_-105)	Passed	<p>The door between (Drive Through Window, Kitchen) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
rsl_-104 (rsl_-104)	Passed	<p>The door between (Drive Through Window, Kitchen) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
37 (SMRV Interior 36" x 80")	Passed	<p>The door between (Dining Room, Server Station) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>

Door	Result	Reason
35 (SMRV Exterior 48"x84" 0 rated)	Passed	<p>The door between (Kitchen, Outside) is 48 inches in width which results in a minimum clear width of 44 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 81 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
32 (SMRV Interior 36" x 80" 0 rated)	Passed	<p>The door between (Kitchen, Office) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
36 (SMRV Exterior 36"x84" 0 rated)	Passed	<p>The door between (Riser Room, Outside) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 81 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
29 (SMRV Interior 36" x 80" 0 rated)	Passed	<p>The door between (Hallway, Men's Room) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>
rsl_-100 (rsl_-100)	Passed	<p>The door between (Entry, Hallway) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm).</p> <p>The door's height is 84 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).</p>

Door	Result	Reason
28 (SMRV Interior 36" x 80" 0 rated)	Passed	The door between (Hallway, Women's Room) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).
30 (SMRV Freezer 36" x 80" 0 rated)	Passed	The door between (Cooler, Kitchen) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).
31 (SMRV Freezer 36" x 80" 0 rated)	Passed	The door between (Freezer, Cooler) is 36 inches in width which results in a minimum clear width of 32 inches. This meets or exceeds the minimum required width of 32 inches (813 mm). The door's height is 80 inches, which meets or exceeds the minimum height of 80 inches (2032 mm).

Section 1010.1.2 - Door swing

This section is considered: Passed

It is understood that Egress doors are to be of the pivoted or side-hinged swinging type. Please verify that the following egress doors meet this requirement

Story	Door	Between
1	rsl_-103 (rsl_-103)	Dining Room, Entry
1	rsl_-101 (rsl_-101)	Dining Room, Entry
1	33 (SMRV Interior 36" x 80")	Kitchen, Dining Room
1	34 (SMRV Exterior 36" x 80" 0 rated)	Dining Room, Outside
1	rsl_-102 (rsl_-102)	Entry, Kitchen
1	27 (SMRV Exterior 72" x 84")	Entry, Outside

Story	Door	Between
1	rsl_-105 (rsl_-105)	Drive Through Window, Kitchen
1	rsl_-104 (rsl_-104)	Drive Through Window, Kitchen
1	37 (SMRV Interior 36" x 80")	Dining Room, Server Station
1	35 (SMRV Exterior 48"x84" 0 rated)	Kitchen, Outside
1	32 (SMRV Interior 36" x 80" 0 rated)	Kitchen, Office
1	36 (SMRV Exterior 36"x84" 0 rated)	Riser Room, Outside
1	29 (SMRV Interior 36" x 80" 0 rated)	Hallway, Men's Room
1	rsl_-100 (rsl_-100)	Entry, Hallway
1	28 (SMRV Interior 36" x 80" 0 rated)	Hallway, Women's Room
1	30 (SMRV Freezer 36" x 80" 0 rated)	Cooler, Kitchen
1	31 (SMRV Freezer 36" x 80" 0 rated)	Freezer, Cooler

Section 1010.1.2.1 - Direction of swing

This section is considered: Passed

Each story in the building was analyzed to determine if the story exits complied with this section. In addition, each room on each story was analyzed to determine if the room egress doors complied with this section. Please refer to the below sections for the analysis details.

Egress Door Swing Analysis for Story 1

The story qualified for verification of story exit door swing analysis. Please refer to the below table for story exit door analysis details.

Door	Result	Reason
27 (SMRV Exterior 72" x 84")	Passed	The door between (Entry, Outside) opens towards (Outside). The Exit Discharge Doorway swings to the exit discharge, along the path of egress travel.

Door	Result	Reason
34 (SMRV Exterior 36" x 80" 0 rated)	Passed	The door between (Dining Room, Outside) opens towards (Outside). The Exit Discharge Doorway swings to the exit discharge, along the path of egress travel.
35 (SMRV Exterior 48"x84" 0 rated)	Passed	The door between (Kitchen, Outside) opens towards (Outside). The Exit Discharge Doorway swings to the exit discharge, along the path of egress travel.
36 (SMRV Exterior 36"x84" 0 rated)	Passed	The door between (Riser Room, Outside) opens towards (Outside). The Exit Discharge Doorway swings to the exit discharge, along the path of egress travel.

In addition, to verifying the story exits, each room's egress doors will be checked to determine whether or not their door swing complies with this section. Please see the below table for details of each room egress door.

Room ID	Door	Result	Reason
457438 (Dining Room)	34 (SMRV Exterior 36" x 80" 0 rated)	Passed	The door between (Dining Room, Outside) opens towards (Outside). The egress door swings out of the current room along the direction of egress travel
457441 (Entry)	27 (SMRV Exterior 72" x 84")	Passed	The door between (Entry, Outside) opens towards (Outside). The egress door swings out of the current room along the direction of egress travel

Room ID	Door	Result	Reason
457444 (Drive Through Window)	rsl_-104 (rsl_-104)	Not Applicable	<p>The door between (Drive Through Window, Kitchen) opens towards (Drive Through Window).</p> <p>The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy</p>
457444 (Drive Through Window)	rsl_-105 (rsl_-105)	Not Applicable	<p>The door between (Drive Through Window, Kitchen) opens towards (Drive Through Window).</p> <p>The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy</p>
457447 (Server Station)	37 (SMRV Interior 36" x 80")	Not Applicable	<p>The door between (Dining Room, Server Station) opens towards (Outside).</p> <p>The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy</p>
457450 (Kitchen)	35 (SMRV Exterior 48"x84" 0 rated)	Not Applicable	<p>The door between (Kitchen, Outside) opens towards (Outside).</p> <p>The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy</p>
457453 (Office)	32 (SMRV Interior 36" x 80" 0 rated)	Not Applicable	<p>The door between (Kitchen, Office) opens towards (Outside).</p> <p>The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy</p>

Room ID	Door	Result	Reason
457456 (Riser Room)	36 (SMRV Exterior 36"x84" 0 rated)	Not Applicable	The door between (Riser Room, Outside) opens towards (Outside). The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy
457459 (Men's Room)	29 (SMRV Interior 36" x 80" 0 rated)	Not Applicable	The door between (Hallway, Men's Room) opens towards (Outside). The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy
457462 (Hallway)	rsl_-100 (rsl_-100)	Not Applicable	The door between (Entry, Hallway) opens towards (Entry). The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy
457465 (Women's Room)	28 (SMRV Interior 36" x 80" 0 rated)	Not Applicable	The door between (Hallway, Women's Room) opens towards (Outside). The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy
457468 (Cooler)	30 (SMRV Freezer 36" x 80" 0 rated)	Not Applicable	The door between (Cooler, Kitchen) opens towards (Outside). The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy

Room ID	Door	Result	Reason
457471 (Freezer)	31 (SMRV Freezer 36" x 80" 0 rated)	Not Applicable	The door between (Freezer, Cooler) opens towards (Outside). The room does not qualify for door swing analysis as it does not have an occupant load of 50 or more nor is the room part of an H occupancy

Section 1016 - EXIT ACCESS

This section is considered: Understood

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1016.1 - General

This section is considered: Understood

It is understood that *exit access* complies with Sections 1003 through 1015 and that *exit access* arrangement complies with Section 1016 through 1021.

Section 1017 - EXIT ACCESS TRAVEL DISTANCE

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1017.1 - General

This section is considered: Understood

It is understood that travel distance within the *exit access* portion of the *means of egress* system is in accordance with this section.

Section 1017.2 - Limitations

This section is considered: Passed

Each room in the building was analyzed to determine if the *Exit Access Travel Distance* complied to the limitations defined in Table 1017.2. All rooms in the building complied. Please see the below table for the detailed analysis results.

Story	Room ID	Result	Reason
1	457438	Passed	The room (457438 - Dining Room) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (46.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457441	Passed	The room (457441 - Entry) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (43.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457444	Passed	The room (457444 - Drive Through Window) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (65.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457447	Passed	The room (457447 - Server Station) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (42.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457450	Passed	The room (457450 - Kitchen) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (55.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457453	Passed	The room (457453 - Office) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (51.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457456	Passed	The room (457456 - Riser Room) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (15.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.

Story	Room ID	Result	Reason
1	457459	Passed	The room (457459 - Men's Room) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (52.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457462	Passed	The room (457462 - Hallway) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (31.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457465	Passed	The room (457465 - Women's Room) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (51.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457468	Passed	The room (457468 - Cooler) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (31.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.
1	457471	Passed	The room (457471 - Freezer) is associated with Occupancy (455471 - A-2). The room has an Exit Access Travel Distance of (39.00 ft), which does not exceed the maximum allowed exit access travel distance of (250.00 ft) as indicated in Table 1017.2.

Section 1017.3 - Measurement

This section is considered: Understood

It is understood that *Exit access* travel distance is measured from the most remote point within a story along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an *exit*.

Section 1017.3.1 - Exit access stairways and ramps

This section is considered: Understood

It is understood that travel distance on *exit access stairways* or *ramps* is to be included in the *exit access* travel distance measurement.

Section 1020 - CORRIDORS

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1020.4 - Dead ends

This section is considered: Passed

There are no corridors in the building. This section does not apply.

Section 1022 - EXITS

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1022.2 - Exterior exit doors

This section is considered: Passed

There are (4) Exit Discharge Doorways in the building. This section requires that at least one must exist in the building.

Section 1022.2.2 - Arrangement

This section is considered: Passed

Exterior *exit* doors must lead directly to the *exit discharge* or *public way*. The exterior exit doors in the building were analyzed to determine if they complied with this section. All exterior exit doors complied. Please see the below table for analysis details.

Story	Door	Result	Reason
1	27 (SMRV Exterior 72" x 84")	Passed	The Exit Discharge Doorway leads directly to the <i>exit discharge</i> .
1	34 (SMRV Exterior 36" x 80" 0 rated)	Passed	The Exit Discharge Doorway leads directly to the <i>exit discharge</i> .

Story	Door	Result	Reason
1	35 (SMRV Exterior 48"x84" 0 rated)	Passed	The Exit Discharge Doorway leads directly to the <i>exit discharge</i> .
1	36 (SMRV Exterior 36"x84" 0 rated)	Passed	The Exit Discharge Doorway leads directly to the <i>exit discharge</i> .

Section 1023 - INTERIOR EXIT STAIRWAYS AND RAMPS

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1023.1 - General

This section is considered: Passed

Interior Exit Stairways have been verified against the following criteria:

- are enclosed by an Exit Enclosure
- maintain a path via Interior Exit Stairways to a Level of Exit Discharge
- lead directly to the exterior of the building or have been extended to the exterior of the building with an Exit Passageway

Please refer to each individual story for the detailed story analysis.

Story 1 - Interior Exit Stairway Analysis

Story Result: **Passed**

There were no Interior Exit Stairways on the story.

Section 1023.3 - Termination

This section is considered: Passed

The Interior Exit Stairways were analyzed to determine if they terminated at an Exit Discharge or were extended by an Exit Passageway. Please refer to each individual story for the detailed story analysis.

Story 1 - Interior Exit Stairway Analysis

Story Result: **Passed**

There were no Interior Exit Stairways on the story.

Section 1024 - EXIT PASSAGEWAYS

This section is considered: Passed

This section does not have any direct requirements to verify. Please refer to the subsections for analysis results.

Section 1024.1 - Exit passageways

This section is considered: Understood

It is understood that *Exit passageways* serving as an exit component in a *means of egress* system are to comply with the requirements of this section. It is also understood that an *exit passageway* is not to be used for any other purpose other than as a *means of egress* and a *circulation path*.

Section 1024.4 - Termination

This section is considered: Passed

There are no exit passageways in the building. This section does not apply.