PRELIMINARY LIFE SAFETY CODE LEDGER

CALCULATION / DECLARED INPUT	PRELIMINARY LEDGER RESULT
OCCUPANCY CLASSIFICATION	R-2, M
DWELLING UNITS	R-2 -- IBC 2021 310.3 -- MAIN OCCUPANCY
TENANT SUITE SPACES	M -- IBC 2021 302.1 -- MIXED OCCUPANCY (508.1)
CONSTRUCTION TYPE	NOT PROVIDED — BY OTHERS
NUMBER OF STORIES	4
SPRINKLERED	YES -- NFPA 13
HEIGHT AND AREA (IBC 504-506)	13: OK; 13R: EXCEEDS
ALLOWABLE STORIES (IBC 504.4)	13: 4 ALLOWED / 4 ACTUAL -- OK; 13R: 3 ALLOWED / 4 ACTUAL -- V-4
ALLOWABLE AREA/STORY (IBC 506.2)	13: 36,000 SF / 15,510 SF -- OK; 13R: 12,000 SF / 15,510 SF -- EXCEEDS (506.2.2: SUM OF RATIOS 5.17 / 3)
MIXED OCCUPANCY (IBC 508)	NOT PROVIDED — BY OTHERS
TYPE SEARCH (IBC 601)	NOT PROVIDED — BY OTHERS
EXTERIOR WALL, NORTH (IBC 705)	FSD NOT PROVIDED — BY OTHERS; 34.3% OPEN (L3); 1 HR MIN.
EXTERIOR WALL, EAST (IBC 705)	FSD NOT PROVIDED — BY OTHERS; 31.3% OPEN (L3); 1 HR MIN.
EXTERIOR WALL, SOUTH (IBC 705)	FSD NOT PROVIDED — BY OTHERS; 28.4% OPEN (L2); 1 HR MIN.
EXTERIOR WALL, WEST (IBC 705)	FSD NOT PROVIDED — BY OTHERS; 36.0% OPEN (L2); 1 HR MIN.
NFPA 285, AE1 (IBC 1402, 2603)	NOT TRIGGERED (TYPE VA)
TOTAL OCCUPANT LOAD	479 PERSONS
TOTAL EXIT STAIR CAPACITY	PASS
WORST-CASE TRAVEL DISTANCE	164' (OK) / 250' MAX
EGRESS WIDTH REQUIRED	0.3" PER OCC. (STAIR) -- 44.0 IN AT L2 -- IBC 2021 §1005.3.1, §1005.5, §1011.2
STAIR ENCLOSURE	2-HR -- IBC 2021 §1023.2
CORRIDOR FIRE RATING	0.5-HR -- IBC 2021 T1020.2 (R — rated even sprinklered)
ELEVATOR SHAFT	NOT PROVIDED — BY OTHERS

PRELIMINARY CALCULATIONS BY LEVEL

LEVEL	CALCULATED LOAD	CALCULATED EXITS	CALCULATED WORST TRAVEL	COMMON PATH
L1	226	2	152.8 FT	PASS, 10 OF 18 UNITS MEASURED
L2	85	2	161.1 FT	PASS
L3	84	2	164.2 FT	PASS
L4	84	2	164.2 FT	PASS

PRELIMINARY SIGNAGE AND WAYFINDING CALCULATIONS

SIGN	WHERE	LEVELS	COUNT	BASIS	RECORD
EXIT SIGNS AT THE EXITS AND ALONG THE EGRESS PATH	AT EACH EXIT THE PLAN GRAPH HOLDS, ILLUMINATED; ALONG THE CORRIDOR WHERE AN EXIT IS NOT IN VIEW	L1, L2, L3, L4	8	IBC 2021 1013.1, 1013.3	ACC-AE-018
TACTILE EXIT SIGNS, STAIR CORE-A-STAIR-A	AT EACH DOOR INTO THE EXIT STAIRWAY, EXIT IN VISUAL AND RAISED CHARACTERS AND BRAILLE	L1, L2, L3, L4	4	IBC 2021 1013.4	ACC-AE-019
STAIRWAY IDENTIFICATION SIGNS, STAIR CORE-A-STAIR-A	AT EACH FLOOR LANDING, BOTTOM 5 FT ABOVE THE LANDING	L1, L2, L3, L4	4	IBC 2021 1023.9, 1023.9.1	ACC-AE-020
TACTILE FLOOR-LEVEL SIGNS, STAIR CORE-A-STAIR-A	AT EACH FLOOR-LEVEL LANDING BESIDE THE DOOR INTO THE CORRIDOR, WHERE FLOOR LEVEL SIGNS ARE PROVIDED	L1, L2, L3, L4	4	IBC 2021 1023.11	ACC-AE-021
TACTILE EXIT SIGNS, STAIR CORE-B-STAIR-B	AT EACH DOOR INTO THE EXIT STAIRWAY, EXIT IN VISUAL AND RAISED CHARACTERS AND BRAILLE	L1, L2, L3, L4	4	IBC 2021 1013.4	ACC-AE-022
STAIRWAY IDENTIFICATION SIGNS, STAIR CORE-B-STAIR-B	AT EACH FLOOR LANDING, BOTTOM 5 FT ABOVE THE LANDING	L1, L2, L3, L4	4	IBC 2021 1023.9, 1023.9.1	ACC-AE-023
TACTILE FLOOR-LEVEL SIGNS, STAIR CORE-B-STAIR-B	AT EACH FLOOR-LEVEL LANDING BESIDE THE DOOR INTO THE CORRIDOR, WHERE FLOOR LEVEL SIGNS ARE PROVIDED	L1, L2, L3, L4	4	IBC 2021 1023.11	ACC-AE-024
TWO-WAY COMMUNICATION DIRECTIONS, CORE-A LANDINGS	BESIDE EACH TWO-WAY COMMUNICATION SYSTEM: DIRECTIONS, HOW TO SUMMON ASSISTANCE, THE LOCATION	L2, L3, L4	3	IBC 2021 1009.8.2	ACC-AE-025
DIRECTIONAL SIGNAGE, CORE-A LANDINGS	AT EACH ELEVATOR LANDING: THE OTHER MEANS OF EGRESS AND WHICH ARE ACCESSIBLE	L1, L2, L3, L4	4	IBC 2021 1009.10	ACC-AE-026
INSTRUCTIONS FOR USE UNDER EMERGENCY CONDITIONS	AREAS OF REFUGE; EXTERIOR AREAS FOR ASSISTED RESCUE	NONE	NONE	IBC 2021 1009.11	ACC-AE-027
AREA OF REFUGE SIGNS	AT EACH DOOR INTO AN AREA OF REFUGE: AREA OF REFUGE WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, TACTILE PER 1013.4	NONE	NONE	IBC 2021 1009.9, 1112.1	ACC-AE-028
ACCESSIBLE ENTRANCE SIGNS	THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT EACH ACCESSIBLE ENTRANCE WHERE NOT ALL ENTRANCES ARE ACCESSIBLE	L1	0	IBC 2021 1112.1	ACC-AE-029
DIRECTIONAL SIGNAGE AT INACCESSIBLE ENTRANCES	AT EACH INACCESSIBLE BUILDING ENTRANCE: THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE	L1	1	IBC 2021 1112.3	ACC-AE-030
DIRECTIONAL SIGNAGE AT EXITS AND ELEVATORS OUTSIDE THE ACCESSIBLE MEANS OF EGRESS	AT EXITS AND EXIT STAIRWAYS SERVING AN ACCESSIBLE SPACE BUT NOT PART OF THE ACCESSIBLE MEANS OF EGRESS, AND AT ELEVATORS NOT ON AN ACCESSIBLE ROUTE	NONE	NONE	IBC 2021 1112.3, 1009.10	ACC-AE-031

REVIEW SCOPE

1. SOURCE GEOMETRY IS SHOWN ON G0.04 AND G0.11, G0.12, G0.13, G0.14, G0.15. THE ARCHITECT MUST REVIEW THE HELD OPENINGS AND CORRIDOR LAYOUT.
2. ALL RESULTS ARE PRELIMINARY CALCULATIONS FROM DECLARED STUDY INPUTS. THE ARCHITECT MUST VERIFY OCCUPANCY, CONSTRUCTION, JURISDICTION AND APPLICABLE RULES.
3. A CALCULATED RESULT DOES NOT APPROVE A ROUTE, ASSEMBLY OR BUILDING. THE ARCHITECT AND ENGINEERS MUST VERIFY GRADES, HARDWARE, FIRE-PROTECTION AND EQUIPMENT LOCATIONS.
4. SIGNAGE VALUES ARE PRELIMINARY CODE-LEDGER CALCULATIONS FROM THE STUDY ATTRIBUTES. THE ARCHITECT MUST VERIFY THE SIGNAGE REQUIREMENTS, COUNTS AND LOCATIONS.
5. THE SIGNAGE SCHEDULE DOES NOT PLACE EQUIPMENT OR CONFIRM AN ACCESSIBLE ENTRANCE. THE ARCHITECT MUST ASSESS ROUTES, GRADES, HARDWARE AND MANEUVERING CLEARANCES.

SHEET NOTES

1. GENERAL REQUIREMENTS: SPECIFIED IN SECTION 01 10 00.

NOT PROVIDED — BY OTHERS
APPLICANT / OWNER

CONSULTANTS

STRUCTURAL	NOT PROVIDED — BY OTHERS
CIVIL	NOT PROVIDED — BY OTHERS
MECHANICAL	NOT PROVIDED — BY OTHERS
PLUMBING	NOT PROVIDED — BY OTHERS
ELECTRICAL	NOT PROVIDED — BY OTHERS
LANDSCAPE	NOT PROVIDED — BY OTHERS
FIRE PROTECTION	NOT PROVIDED — BY OTHERS
GEOTECHNICAL	NOT PROVIDED — BY OTHERS

REVIEW

Prepared for review by the design professional of record. Not for construction or permit submission.

PROJECT

Architecture.Engineering — L courtyard study

FICTIONAL STUDY: NO REAL PARCEL
ARCHITECTUREENGINEERING — L COURTYARD STUDY
OCCUPANCY R-2, M · CONSTRUCTION NOT PROVIDED — BY OTHERS · STORIES 4

REVISIONS

MARK	DATE	DESCRIPTION

REGISTER

Project	AE-STUDY-L01
Issue	NOT PROVIDED — BY OTHERS
Date	NOT PROVIDED — BY OTHERS
Drawn	NOT PROVIDED — BY OTHERS
Scale	NTS
Phase	CONSTRUCTION DOCUMENTS

OPEN ISSUE

The set's open issue is stated on the cover, G0.01.

PRELIMINARY CODE AND ACCESS LEDGER

SHEET

G0.03