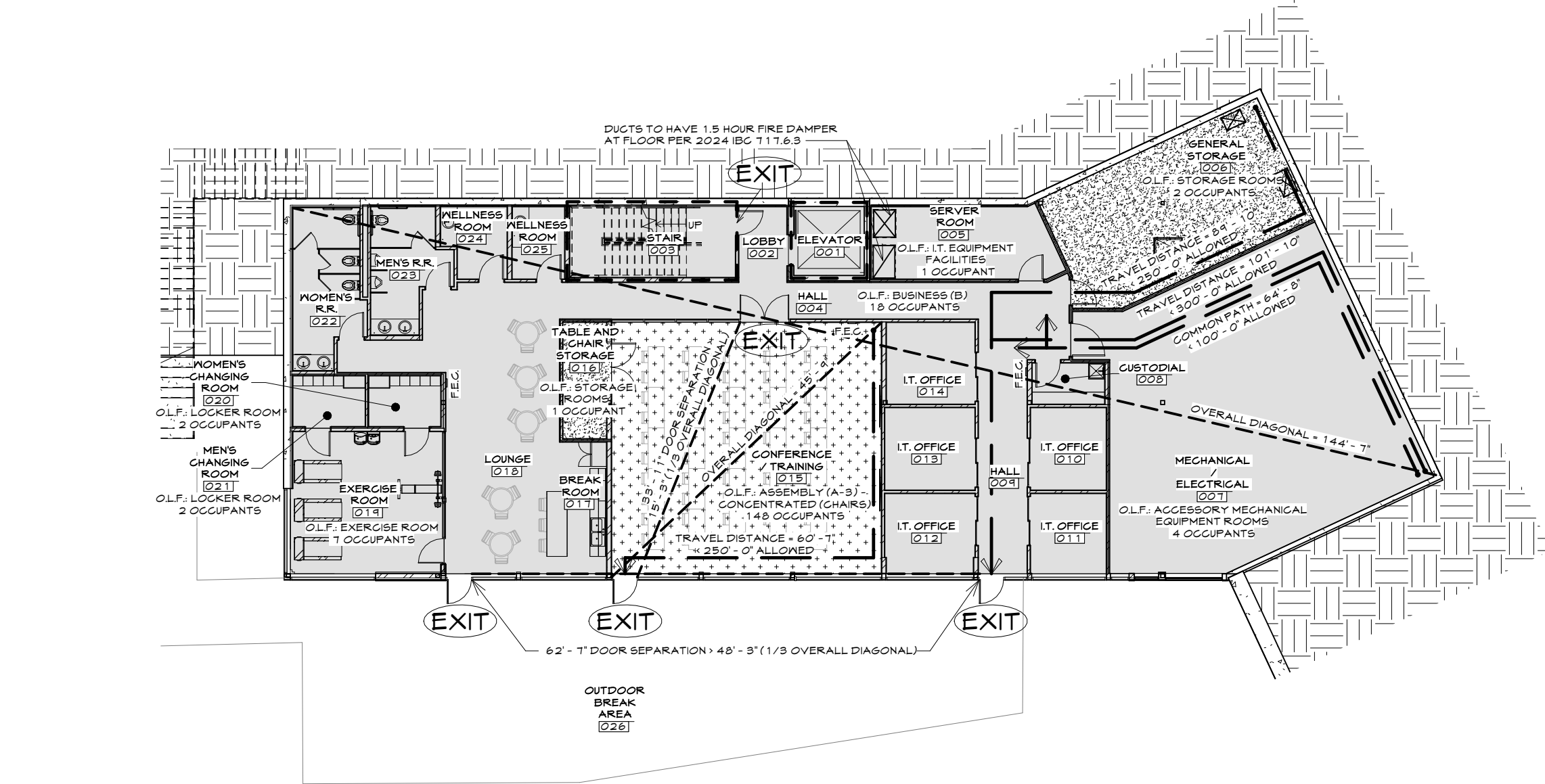




1 BASEMENT CODE PLAN
SCALE: 1/16" = 1'-0"

2024 IBC CODE - BASEMENT

FIRE PROTECTION SYSTEM: YES

OCCUPANCY: B (BUSINESS - OFFICES) A-3 (ASSEMBLY - LECTURE HALL), AND S-1 (STORAGE) UNSEPARATED OCCUPANCIES PER 508.3, SEE GENERAL CODE SUMMARY FOR CALCULATIONS

B OCCUPANT LOAD = 34
S-1 OCCUPANT LOAD = 5
A-3 OCCUPANT LOAD = 148
TOTAL OCCUPANT LOAD FOR BASEMENT = 185 (NOT INCLUDING OUTDOOR BREAK AREA)
TOTAL FLOOR SQFT = 6,512 SQFT

1005.3.1 TOTAL EGRESS WIDTH FOR STAIRWAYS (SPRINKLED):
185 x 0.2 = 37' REQUIRED < 43' PROVIDED

1005.3.2 TOTAL EGRESS WIDTH (SPRINKLED):
185 OCCUPANTS x 0.15 = 27.75' REQUIRED < 105' PROVIDED AT DOORS

1006.3.3 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS:
1 - 500 OCCUPANTS = 2 EXITS REQUIRED = 3 EXITS PROVIDED

1020.5 ACCESS TO A PUBLIC WAY:
A SAFE DISPERSAL AREA SHALL BE PROVIDED WHEN ACCESS TO A PUBLIC WAY CANNOT BE PROVIDED.

1030.2 ASSEMBLY MAIN EXIT:
148 OCCUPANTS / 2.74 x 0.15 = 11.1' REQUIRED AT EACH EXIT < 105' PROVIDED TOTAL (36' AT SINGLE LEAF DOOR AND 12' AT DOUBLE DOOR)

GENERAL CODE SUMMARY

2024 INTERNATIONAL BUILDING CODE
UNSEPARATED OCCUPANCIES: B OCCUPANCY WITH A-3 OCCUPANCY AND S-1 OCCUPANCY PER 508.3 NONSEPARATED OCCUPANCIES

A-3 OCCUPANT LOAD = 148
B OCCUPANT LOAD = 244
S-1 OCCUPANT LOAD = 5
TOTAL OCCUPANT LOAD = 447

CONSTRUCTION TYPE (TABLE 601): VB (COMBUSTIBLE, NON-RATED)

NFPA FIRE SPRINKLER TO BE INSTALLED THROUGHOUT NEW CONSTRUCTION (EXCEPT ATM BUILDINGS)

508.3.2 ALLOWABLE BUILDING AREA HEIGHT AND NUMBER OF STORIES FOR NONSEPARATED OCCUPANCIES SHALL BE BASED ON THE MOST RESTRICTIVE OCCUPANCY GROUP FOR THE TYPE OF CONSTRUCTION

TABLE 504.3 ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE:
A, B, S (SPRINKLED) 50' - 0" / 45' - 0" / 2 STORIES

TABLE 504.4 ALLOWABLE BUILDING STORIES ABOVE GRADE PLANE:
A-3, S-1 (SPRINKLED) 2 STORIES

TABLE 506.2 ALLOWABLE BUILDING AREA:
A-3 (SPRINKLED) TWO OR MORE STORIES ABOVE GRADE PLANE / 18,000 SQFT (TYPE VB) / 11.8 TS SQFT

TOTAL BUILDING AREA = 24,481 SQFT

TABLE 1011.2 EXIT ACCESS TRAVEL DISTANCE:
A, S-1 OCCUPANCY = 250' - 0" WITH SPRINKLER SYSTEM
B OCCUPANCY = 300' - 0" WITH SPRINKLER SYSTEM

TABLE 1006.2.1 COMMON PATH OF EGRESS:
A (SPRINKLED) 75 FT
B, S-1 (SPRINKLED) 100 FT

(P) 2402.3.3 LOCATION OF TOILET FACILITIES IN OCCUPANCIES OTHER THAN HALLS: PATH OF TRAVEL = 500' - 0" MAXIMUM / 165' - 12" PROVIDED

PLUMBING CALCULATIONS

ASSEMBLY - LECTURE HALL (A-3) = 148 OCCUPANTS

148 / 2 = 74 MALES AND 74 FEMALES

MG MALE = 74 / 125 = 0.592

MG FEMALE = 74 / 69 = 1.073

LAVATORIES MALE = 74 / 200 = 0.37

LAVATORIES FEMALE = 74 / 200 = 0.37

DRINKING FOUNTAINS = 148 / 500 = 0.296

BUSINESS (B) = 244 OCCUPANTS

244 / 2 = 122 MALES AND 122 FEMALES

MG MALE = 122 / 125 = 0.976

MG FEMALE = 122 / 69 = 1.768

LAVATORIES MALE = 122 / 200 = 0.61

LAVATORIES FEMALE = 122 / 200 = 0.61

DRINKING FOUNTAINS = 244 / 100 = 2.44

STORAGE (S-1) = 5 OCCUPANTS

5 / 2 = 2.5 MALES AND 2.5 FEMALES

MG MALE = 2.5 / 100 = 0.025

MG FEMALE = 2.5 / 100 = 0.025

LAVATORIES MALE = 2.5 / 100 = 0.025

LAVATORIES FEMALE = 2.5 / 100 = 0.025

DRINKING FOUNTAINS = 5 / 100 = 0.05

COMBINED TOTAL PLUMBING FIXTURES:

MG MALE = 0.592 + 0.976 + 0.025 = 1.593

MG FEMALE = 1.073 + 1.768 + 0.025 = 2.866

LAVATORIES MALE = 0.37 + 0.61 + 0.025 = 1.005

LAVATORIES FEMALE = 0.37 + 0.61 + 0.025 = 1.005

DRINKING FOUNTAINS = 0.296 + 2.44 + 0.05 = 2.791

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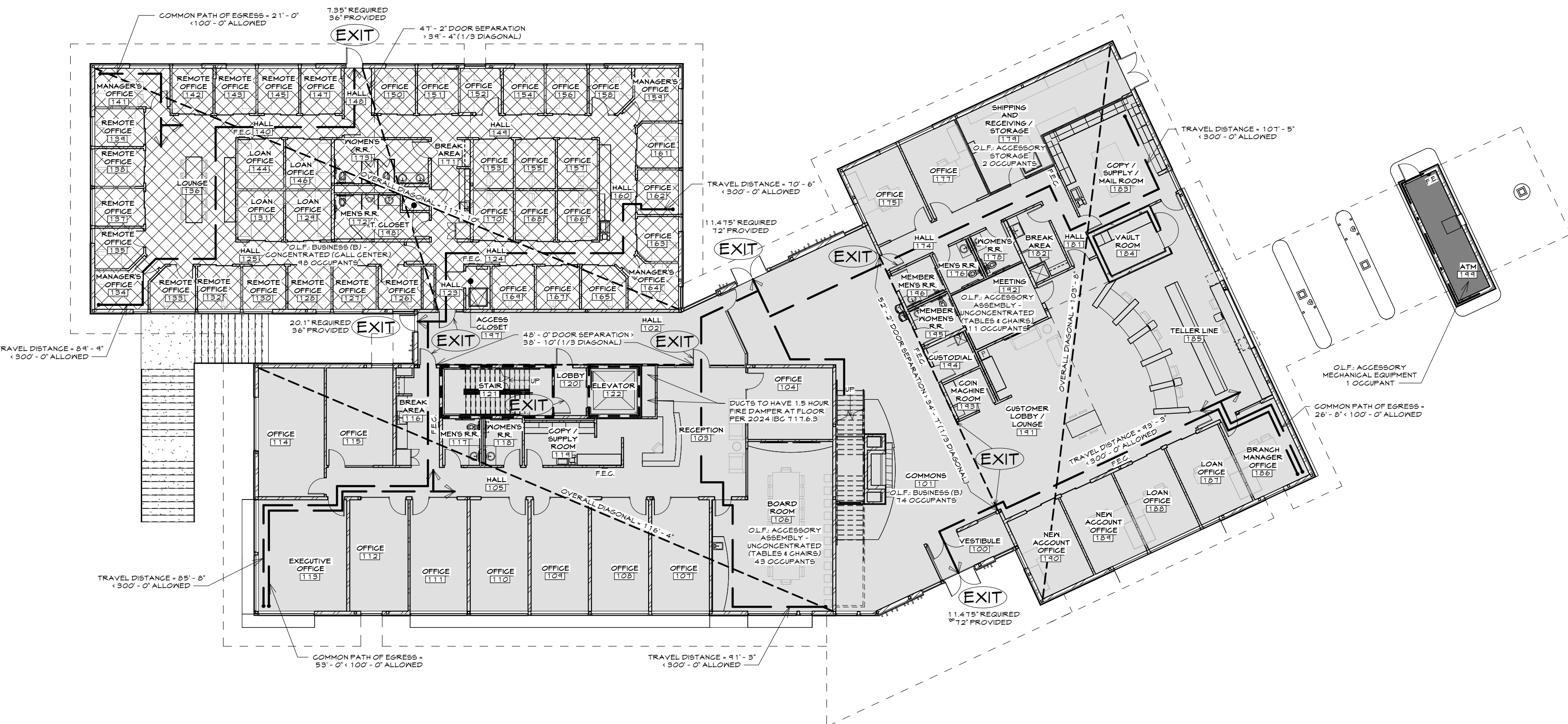
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2 FIRST FLOOR CODE PLAN
SCALE: 1/16" = 1'-0"

2024 IBC CODE - ATM BUILDING

FIRE PROTECTION SYSTEM: NO

OCCUPANCY: B (BUSINESS - ACCESSORY TO BANK)

B OCCUPANT LOAD = 1

TOTAL FLOOR SQFT: 211 SQFT

1005.3.2 TOTAL EGRESS WIDTH (NONSPRINKLED):
1 x 0.2 = 0.2' REQUIRED < 36' PROVIDED AT DOOR

2024 IBC CODE - FIRST FLOOR

FIRE PROTECTION SYSTEM: YES

OCCUPANCY: B (BUSINESS - OFFICES, BANKS)

ACCESSORY OCCUPANCY: S-1 (STORAGE) - STORAGE AREAS ARE CLASSIFIED AS PART OF THE B OCCUPANCY PER 511.1.1.

B OCCUPANT LOAD = 226

S-1 OCCUPANT LOAD = 2

TOTAL FIRST FLOOR OCCUPANT LOAD = 228

TOTAL FLOOR SQFT: 17,661 SQFT

508.2.3 ALLOWABLE BUILDING AREA - ACCESSORY AREAS:

MAIN OCCUPANCY: B (BUSINESS) AREA = 11,124 SQFT x 10% = 1,112 SQFT

ACCESSORY S-1 (STORAGE) AREA = 386 SQFT

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2024 IBC CODE - SECOND FLOOR

FIRE PROTECTION SYSTEM: YES

OCCUPANCY: B (BUSINESS - CONCENTRATED)

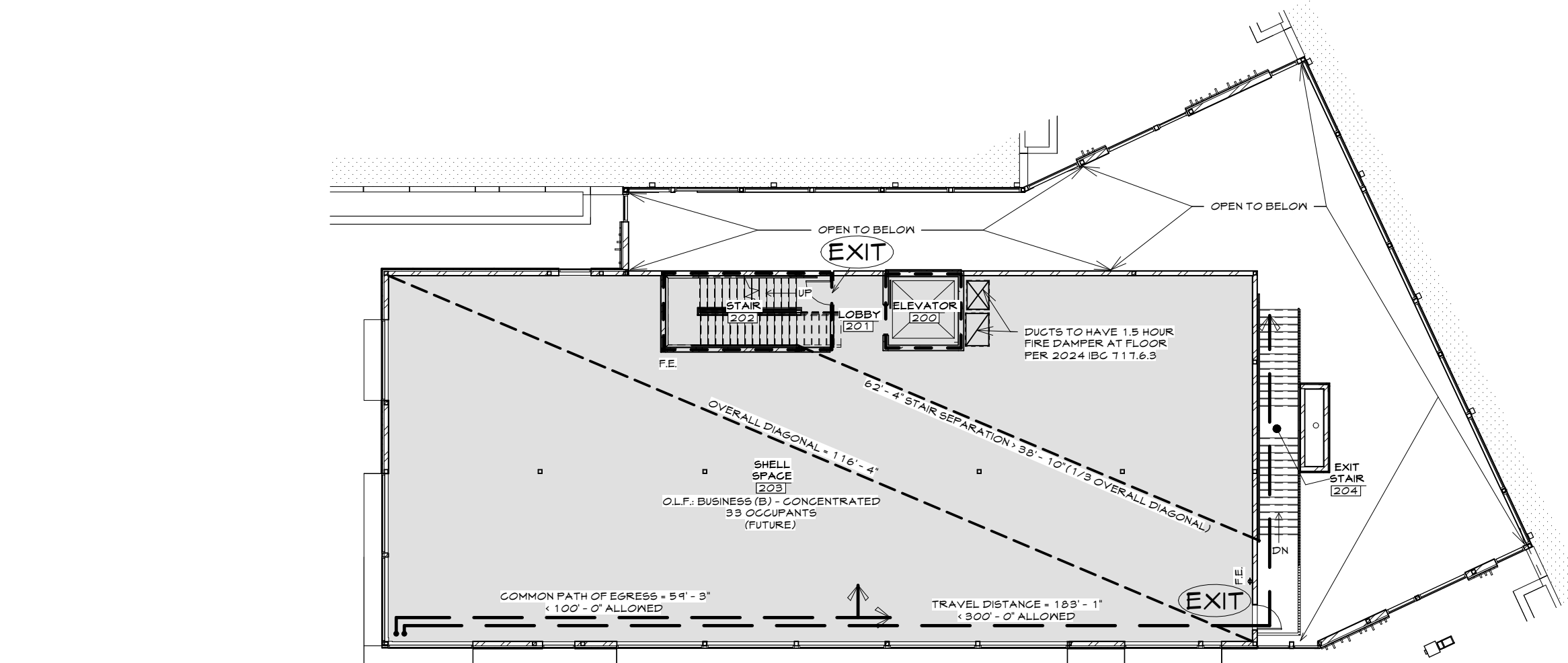
TOTAL SECOND FLOOR OCCUPANT LOAD = 33

TOTAL FLOOR SQFT: 5,091 SQFT

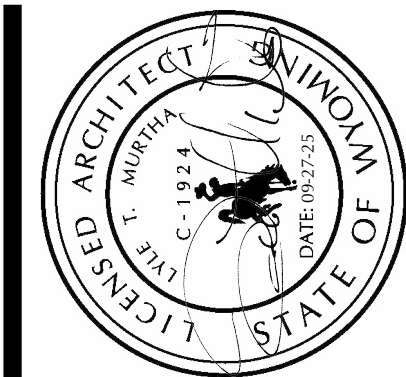
1005.3.1 TOTAL EGRESS WIDTH FOR STAIRWAYS (SPRINKLED):
33 x 0.2 = 6.6' REQUIRED < 16' PROVIDED

1005.3.2 TOTAL EGRESS WIDTH (SPRINKLED):
33 x 0.15 = 4.95' REQUIRED < 12' PROVIDED AT DOORS

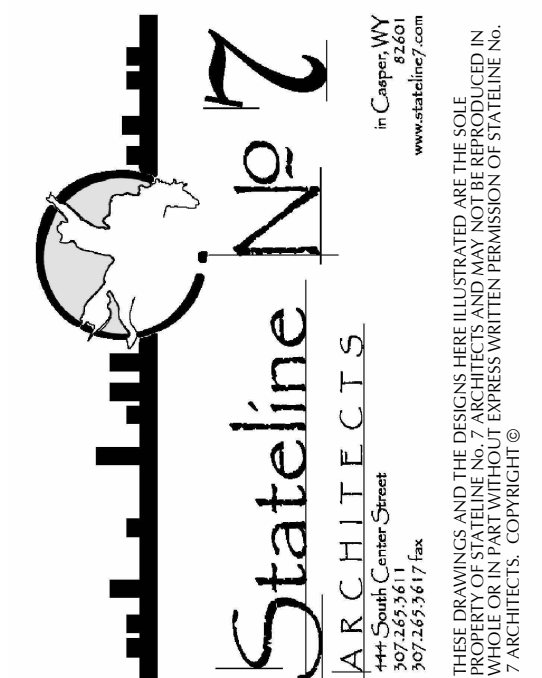
TABLE 1006.3.3 MINIMUM EXITS OR ACCESS TO EXITS:
1 - 500 OCCUPANTS = 2 EXITS REQUIRED = 2 EXITS PROVIDED



3 SECOND FLOOR CODE PLAN
SCALE: 1/16" = 1'-0"



TRONA VALLEY FEDERAL CREDIT UNION
1700 GATEWAY BLVD
ROCK SPRINGS, WYOMING 82901



PROJECT NUMBER
23-018

DATE
09-27-2025

DRAWN BY
K LARSEN

DISK ID.

SHEET TITLE
CODE PLANS AND INFORMATION

SHEET NUMBER

0.10