

BUILDING CODE INFORMATION

Project: SES Second Floor Build-Out
 Owner Contact: Basil Shelton, General Manager
 SES Construction and Environmental, LLC
 1006 Floyd Culler Court
 Oak Ridge, Tennessee 37830
 Ph: 865-481-7837
 Architect/Engineers: Architectural, Mechanical, Plumbing, Fire Protection and Electrical services
 Barge Design Solutions
 10133 Sherrill Boulevard, Suite 200
 Knoxville, Tennessee 37932
 Phone: 865-637-2810
 Contact: Chris Ramsey, Project Architect
 Applicable Codes:
 2018 International Building Code (IBC)
 2018 International Fire Code (IFC)
 2018 Energy Conservation Code (IECC)
 2018 Mechanical Code (IMC)
 2018 Plumbing Code (IPC)
 2009 ICC/ANSI A117.1
 2017 National Electrical Code (NEC)

Minimum Design Loads:
 The roof, wind and snow loads are not utilized in this work due to no work will be provided on the exterior shell of the facility. A portion of the building siding will be removed for installation of new windows for new offices on the second floor.

Occupancy Classification: Business Group B
 Type of Construction: Type VB, Sprinklered

TABLE 504.3 ALLOWABLE BUILDING HEIGHTS, STORIES AND AREAS:
 Basic Allowable Height (Table 504.3): 60 Vertical Feet
 Actual Building Height: 25'-0" (EX'G. to remain)

Allowable Stories Above Grade (Table 504.4): 3 Stories
 Actual Stories Above Grade: 2 Stories (EX'G. to remain)

Basic Allowable Area (Table 506.2): 27,000 SF per floor
 EX'G. First Floor Square Footage: 19,582 SF
 Existing Second Floor Square Footage: 8,880 SF
 Renovated Square Footage: 2,984 SF

EX'G. Square Footage Note: No additional square footage will be added to the EX'G. structure. Renovations will only occur inside the facility.

Area Modification (Section 507.5)
 Building is considered Unlimited per Section 507.5 (no additional square footage will be added to the facility - EX'G. will remain).

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS:
 Structural Frame: 0 Hour
 (Including columns, girders, trusses)

Bearing Walls:
 Exterior: 0 Hour (not applicable)
 Interior: 0 Hour

Non-Bearing Walls:
 Exterior: (Greater than 30' from adj. structures - Table 602)_0 Hour
 Interior: 0 Hour

Floor Construction:
 (Including supporting beams and joists) 0 Hour (not applicable)

Roof Construction:
 (Including supporting beams and joists where floor below is less than 20' from roof construction) 0 Hour

VERTICAL SHAFTS, STAIRS, ELEVATOR
 Corridor Fire Resistance Rating: 0 Hour (Table 1020.1)
 Chaise: Not Applicable
 Elevator Shaft: Not Applicable
 Stair: Not Applicable

EXIT REQUIREMENTS
 Maximum Travel Distance (sprinklered): 300 FT (Table 1017.2)
 Travel Distance Provided: 150 FT maximum
 Minimum Number of Exits: 2 (Table 1006.3.2)
 Maximum Length of Dead-End Corridor: 50 FT (1020.4)
 Current Corridor Depth: Not Applicable
 Minimum Width of Corridor: 44 inches (Table 1020.2)
 Current Width of Corridor: 60 inches minimum
 Means of Egress Capacity Factor for Doorways: 0.15 (1006.3.2)
 36" doors provide 213 occupants
 Means of Egress Capacity Factor for Stairways: 0.2 (1006.3.1)
 48" EX'G. exterior exit stairway provide 240 occupants

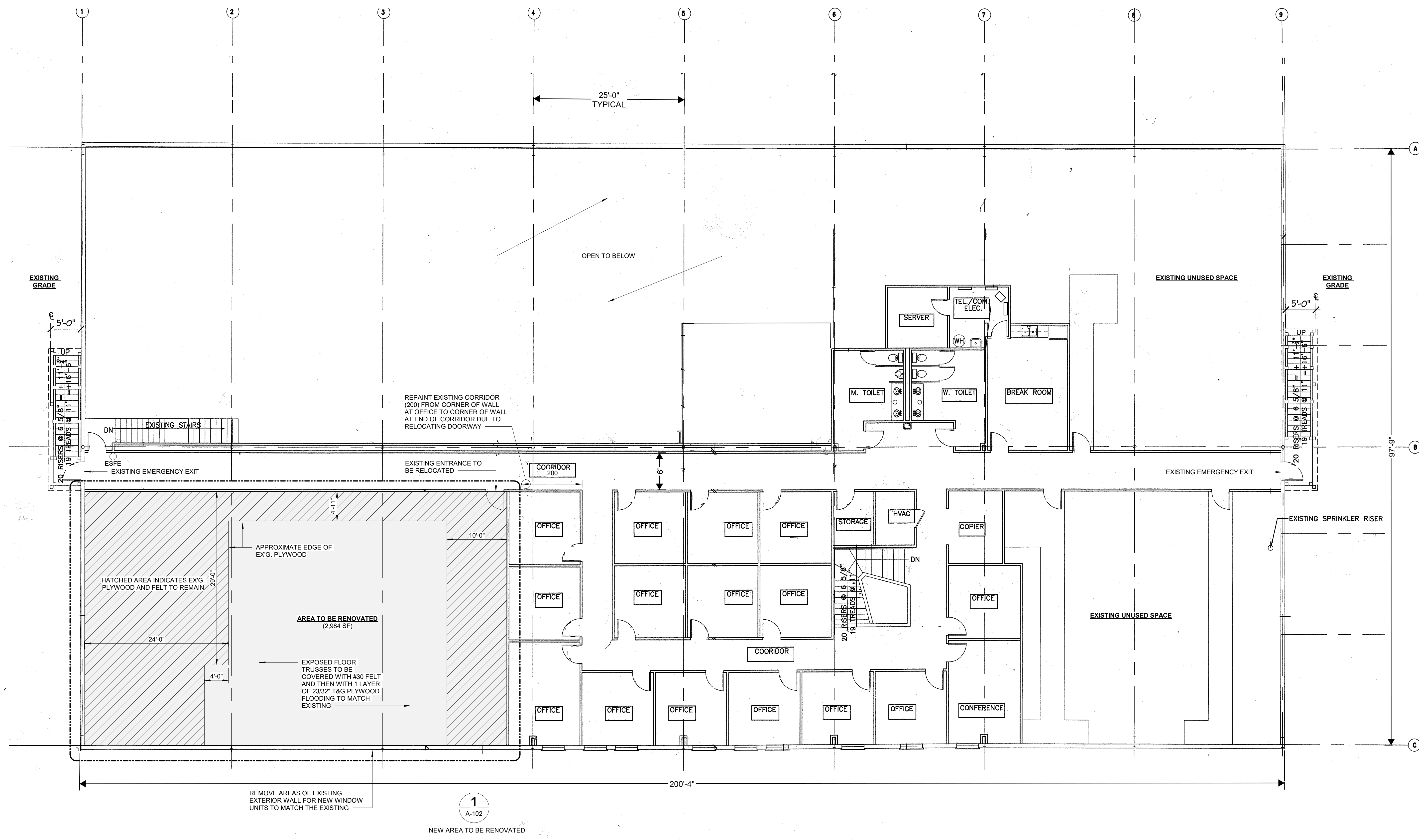
SQUARE FOOTAGE PER OCCUPANT
 Maximum Floor Area Allowance Per Occupant: 150 gross (Table 1004.5)

BUILDING OCCUPANCY LOADING
 EX'G. First Floor Occupancy: 130 Occupants
 EX'G. Second Floor Occupancy: 60 Occupants (including renovations)

SITE REQUIREMENTS
 Area Disturbed in this Renovation: 0.0 acres (EX'G. to remain)
 Parking Requirements:
 EX'G. parking shall remain. No additional spaces will be provided.

GENERAL NOTES OVERALL PLAN

- A. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- B. FLOOR PLAN RENOVATIONS WILL ONLY OCCUR ON THE SECOND FLOOR. MECHANICAL AND ELECTRICAL MISCELLANEOUS REVISIONS WILL EXTEND TO THE FIRST FLOOR LEVEL.
- C. ESFE INDICATES AN EXISTING SURFACE MOUNTED 20LB. ABC DRY CHEMICAL FIRE EXTINGUISHER TO REMAIN.



1 EXISTING OVERALL SECOND FLOOR PLAN
 SCALE: 1/8" = 1'-0"

OVERALL SECOND FLOOR PLAN
 SES CONSTRUCTION AND ENVIRONMENTAL, LLC
 SECOND FLOOR BUILD-OUT
 1006 FLOYD CULLER COURT
 OAK RIDGE, TENNESSEE 37830

REV.	DR.	CHK.	DATE	DESCRIPTION
0	KMM	CR	09-03-19	ISSUED FOR CONSTRUCTION