

RECAPITULATIONS (BASE BID) LOWER FLOOR
 ASSEMBLY OCCUPANCY: 2,826 G.S.F. / 15 G.S.F. / OCC. = 189 OCC.
 STORAGE OCCUPANCY: 848 G.S.F. / 300 G.S.F. / OCC. = 3 OCC.
 STORAGE OCCUPANCY: 796 G.S.F. / 300 G.S.F. / OCC. = 3 OCC.
 TOTAL OCCUPANCY THIS FLOOR: 195

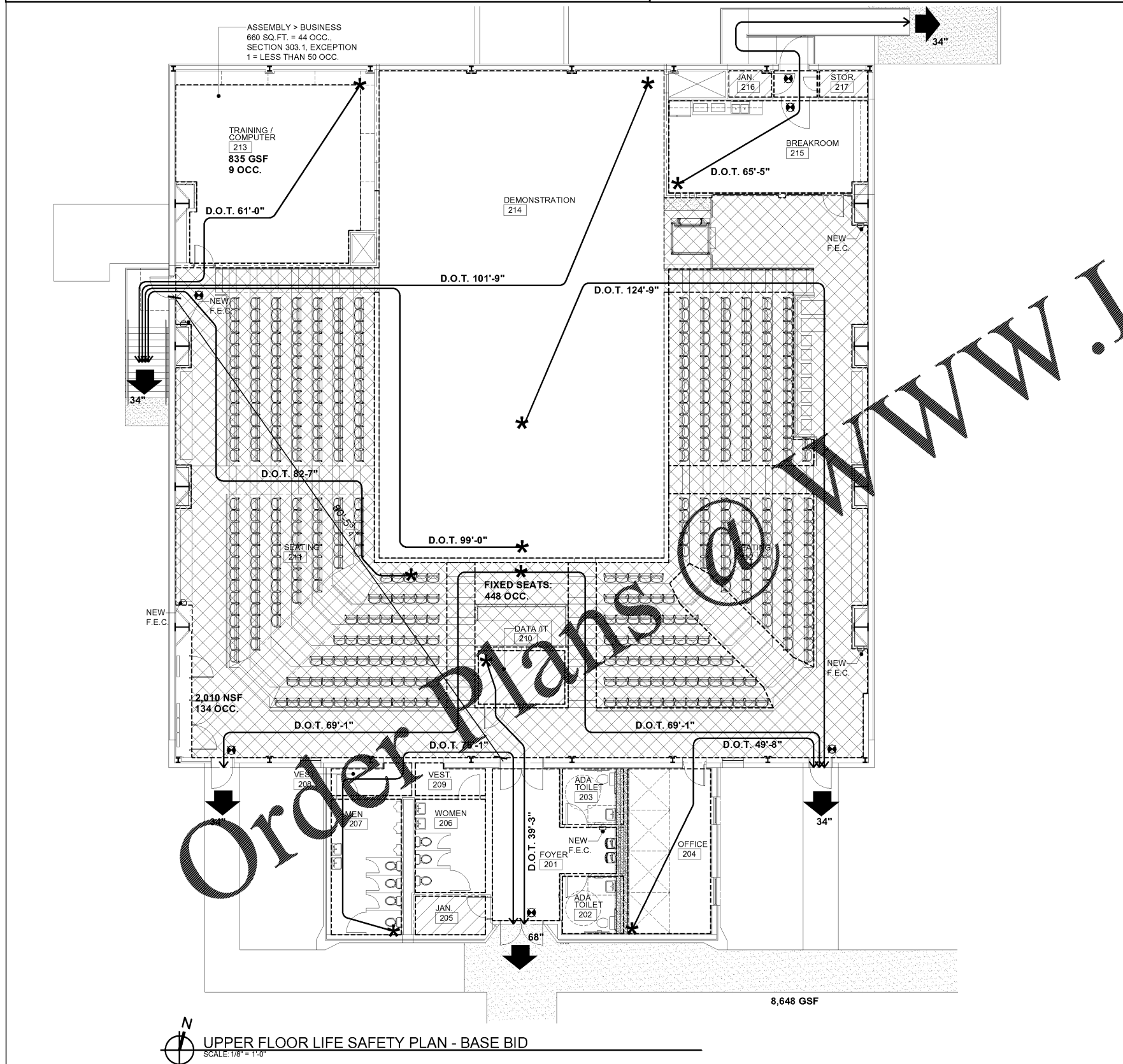
RECAPITULATIONS (BASE BID) UPPER FLOOR
 ASSEMBLY OCCUPANCY (FIXED SEATING): = 448 OCC.
 BUSINESS OCCUPANCY: = 29 OCC.
 TOTAL OCCUPANCY THIS FLOOR: 477

RECAPITULATIONS (UPPER WALKWAY)
 ASSEMBLY OCCUPANCY:
 1,829 G.S.F. / 15 G.S.F. / OCC. = 122 OCC
 TOTAL OCCUPANTS: 794 OCCUPANTS

BASE BID LOWER FLOOR
 195 OCCUPANTS X 0.20" = 39" REQ'D
 (1) @ 34" (LOWER LEVEL) = 34"
 (3) @ 34" (UPPER LEVEL) = 102"
 (1) @ 68" (UPPER LEVEL) = 68"
 TOTAL PROVIDED = 204" (ADEQUATE)

BASE BID UPPER FLOOR
 794 OCCUPANTS X 0.20" = 159"
 (3) @ 34" = 102"
 (1) @ 68" = 68"
 TOTAL PROVIDED = 170" (ADEQUATE)

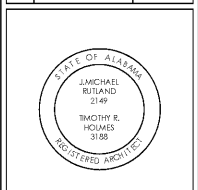
IBC / LIFE SAFETY CODE ANALYSIS		
GENERAL		
APPLICABLE CODES 2015 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS 2015 INTERNATIONAL FIRE CODE 2014 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS 2013 NATIONAL FIRE ALARM AND SIGNALING (NFPA 72) 2014 ACC/NSA STANDARD FOR DESIGN ANSI / ASHRAE / IESNA STANDARD 90.1-2013 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (DOJ)		
CODE REVIEW	2015 INTERNATIONAL BUILDING CODE (ALABAMA BUILDING COMMISSION)	2015 INTERNATIONAL FIRE CODE (ALABAMA BUILDING COMMISSION / STATE FIRE MARSHALL)
OCCUPANCY CLASSIFICATION	PRIMARY OCCUPANCY - ASSEMBLY OCCUPANCY A-4 ACCESSORY BUSINESS OCCUPANCY B ACCESSORY STORAGE / MECH. / ELEC. OCCUPANCY S (CHAPTER 3, SECTION 304.1)	PRIMARY OCCUPANCY - ASSEMBLY OCCUPANCY A-4 ACCESSORY BUSINESS OCCUPANCY B ACCESSORY STORAGE / MECH. / ELEC. OCCUPANCY S (CH. 2, SECTION 202 GENERAL DEFINITIONS, OCCUPANCY CLASSIFICATION PAGE 304.1)
CONSTRUCTION TYPE	TYPE IIB, SPRINKLERED CHAPTER 6, SECTION 602.2 AND TABLE 601	N/A - REFER TO 2015 INTERNATIONAL BUILDING CODE
BUILDING HEIGHT LIMIT	BUILDING HEIGHT LIMITATION: (S1) BUSINESS OCCUPANCY: ALLOWABLE: 2 FLOORS (CHAPTER 5, TABLE 504.4) / DESIGN - 2 FLOOR	N/A - REFER TO 2015 INTERNATIONAL BUILDING CODE
BUILDING AREA	BUILDING AREA LIMITATION: BUSINESS OCCUPANCY: 28,500 S.F. (CHAPTER 5, TABLE 506.2) DESIGN: 13,344 S.F. (CHAPTER 5, TABLE 506.2)	N/A - REFER TO 2015 INTERNATIONAL BUILDING CODE
AUTOMATIC SPRINKLER SYSTEM	FULLY-SPRINKLERED IN ACCORDANCE WITH CHAPTER 9, SECTION 903 & SECTION 903.3.3	SPRINKLERED (IN ACCORDANCE WITH CH. 9, SECTION 903 & SECTION 903.3)
OCCUPANCY LOADS	ASSEMBLY OCCUPANCY (A-4): 15 NSF/PERSON BUSINESS OCCUPANCY B: 100 GSF/PERSON STORAGE / MECHANICAL / ELECTRICAL: 300 GSF/PERSON (CHAPTER 10, TABLE 1004.1.2)	ASSEMBLY OCCUPANCY (A-4): 15 NSF/PERSON BUSINESS OCCUPANCY B: 100 GSF/PERSON STORAGE / MECHANICAL / ELECTRICAL: 300 GSF/PERSON (CHAPTER 10, TABLE 1004.1.2)
CODE REVIEW	2015 INTERNATIONAL BUILDING CODE (ALABAMA BUILDING COMMISSION) COMMON PATH OF TRAVEL: ASSEMBLY: 75' FT. MAX. (> 49 OCC.) (CH. 10, TABLE 1006.2.1 & SECTION 1006.2.1) NOTE a: APPROVED SPRINKLER 30 FT FROM ANY SEAT TO A POINT WHERE AN OCCUPANT HAS A CHOICE OF TWO PATHS OF EGRESS TRAVEL. (CHAPTER 10, SECTION 1029.8) TRAVEL DISTANCE TO EXISTS W/ APPROVED SPRINKLER SYSTEM: BUSINESS: 250' FT MAX. (CHAPTER 10, TABLE 1017.2. NOTE b: APPROVED SPRINKLER)	2015 INTERNATIONAL FIRE CODE (ALABAMA BUILDING COMMISSION) COMMON PATH OF TRAVEL: BUSINESS: 75' FT. MAX. (> 49 OCC.) (CH. 10, TABLE 1006.2.1 & SECTION 1006.2.1) NOTE b: APPROVED SPRINKLER 30 FT FROM ANY SEAT TO A POINT WHERE AN OCCUPANT HAS A CHOICE OF TWO PATHS OF EGRESS TRAVEL. (CHAPTER 10, SECTION 1029.8) TRAVEL DISTANCE TO EXISTS W/ APPROVED SPRINKLER SYSTEM: BUSINESS: 250' FT MAX. (CHAPTER 10, TABLE 1017.2. NOTE b: APPROVED SPRINKLER)
MEANS OF EGRESS	MAXIMUM DEAD END HALLWAY DEAD END AISLES: 20'-0" MAX. (CHAPTER 10, 1029.9.5)	ASSEMBLY: 20'-0" (CHAPTER 10, SECTION 1020.4) DEAD END AISLES: 20'-0" MAX. (CHAPTER 10, 1029.9.5)
EGRESS WIDTH PER PERSON SERVED (IN)	LEVEL: 0.20 - (CHAPTER 10, 1005.3.2) STAIRS: 0.30 FOR STAIRS HAVING TREAD DEPTHS > 11" AND RISER HT BETWEEN 4" MIN. AND 8" MAX. - (CHAPTER 10, 1005.3.1)	LEVEL: 0.20 - (CHAPTER 10, 1005.3.2) STAIRS: 0.30 FOR STAIRS HAVING TREAD DEPTHS > 11" AND RISER HT BETWEEN 4" MIN. AND 8" MAX. - (CHAPTER 10, 1005.3.1)
MINIMUM CORRIDOR WIDTH	B: 44" MIN. (CHAPTER 10, TABLE 1020.2) / 24" MIN: ACCESS TO MECH, ELEC, PLUMBING SYSTEMS OR EQUIPMENT (CHAPTER 10, TABLE 1020.2)	REFER TO 2015 INTERNATIONAL BUILDING CODE
MINIMUM CLR. OPENING OF EXIT DOORS	32" MINIMUM WIDTH / 48" MAX. DOOR LEAF SIZE (CHAPTER 10, 1010.1.1)	32" MINIMUM WIDTH / 48" MAX. DOOR LEAF SIZE (CHAPTER 10, SECTION 1010.1.1)
CODE REVIEW	2015 INTERNATIONAL BUILDING CODE (ALABAMA BUILDING COMMISSION)	2015 INTERNATIONAL FIRE CODE (ALABAMA BUILDING COMMISSION)
FIRE RESISTANCE RATINGS	BUILDING ELEMENT AS CLASSIFIED IN (CH. 6, SECTION 602.2 & TABLE 601) TYPE IIB CONSTRUCTION.	REFER TO 2015 INTERNATIONAL BUILDING CODE
CHAPTER 6 TABLE 601 - IBC 2009	STRUCTURAL FRAME COLUMNS, GIRDERS, TRUSSES - 0	
CHAPTER 8 - NFPA TABLE A.8.2.1.2	BEARING WALLS EXTERIOR - 0 INTERIOR - 0 NON BEARING WALLS AND PARTITIONS EXTERIOR AND INTERIOR - 0 FLOOR CONSTRUCTION BEAMS & JOISTS - 0 ROOF CONSTRUCTION BEAMS & JOISTS - 0 (FIRE RETARDANT-TREATED WOOD)	
BUILDING CONSTRUCTION	- WALLS AND PARTITIONS FIRE WALLS: BUSINESS: 3-HR (CHAPTER 7, TABLE 706.4) NOTE a: IN TYPE II CONSTRUCTION, WALLS SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE-RESISTANCE RATING. - HORIZONTAL EXIT: 2 HR. (CHAPTER 10, SECTION 1026.2) - EXIT ENCLOSURES: (STAIR) (< 4 STORIES) 1-HR. SEPARATION (CHAPTER 10, SECTION 1023.2) NOT APPLICABLE - EXIT ACCESS CORRIDOR: 0 HR WITH APPROVED SPRINKLER (CHAPTER 10, TABLE 1020.1)	REFER TO 2015 INTERNATIONAL BUILDING CODE



UPPER FLOOR LIFE SAFETY PLAN - BASE BID
 SCALE: 1/8" = 1'-0"

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*Safety is our first priority.
 Think Safety. Act Proactively.*

No.	Revision	Date
-	-	00/00/00



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 Drawn By: DT

**Auburn University Building
 Ham Wilson Arena Renovations
 Project Number 19-451**

SHEET TITLE:
 UPPER FLOOR
 LIFE SAFETY
 PLAN

DRAWN BY:
 LA

CHECKED BY:
 JC

DATE:
 JANUARY 21, 2021

FILE NUMBER:
 -

PROJECT NUMBER:
 19-451

SHEET NUMBER:
 LS1.2

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