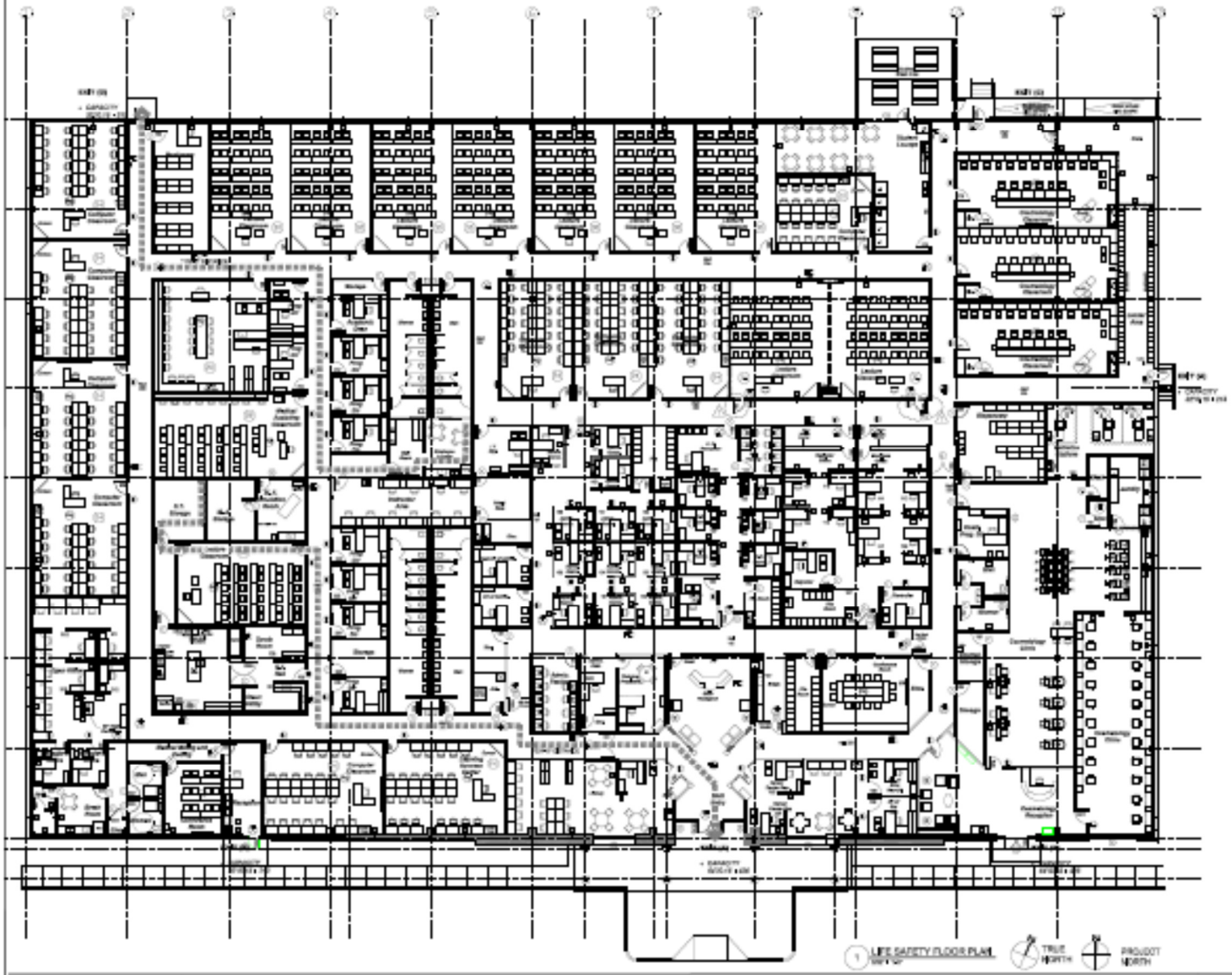


CODE REVIEW DATA

APPLICABLE CODES

2009 INTERNATIONAL BUILDING CODE w/ SOUTH CAROLINA AMENDMENTS
2009 INTERNATIONAL MECHANICAL CODE w/ SOUTH CAROLINA AMENDMENTS
2009 INTERNATIONAL PLUMBING CODE w/ SOUTH CAROLINA AMENDMENTS
2009 INTERNATIONAL FIRE CODE
2009 INTERNATIONAL FUEL GAS CODE w/ SOUTH CAROLINA AMENDMENTS
ANSI A117.1 - 2009
2008 NATIONAL ELECTRIC CODE w/ SOUTH CAROLINA AMENDMENTS

SITE INFORMATION

ADDRESS	3100 HARRIS TECHNOLOGY PARKWAY SPARTANBURG, SOUTH CAROLINA 29301

BUILDING INFORMATION

		IBC Reference
OCCUPANCY	B	304
CONSTRUCTION TYPE	Type IIB	
FULLY SPRINKLED	YES	
BUILDING HEIGHT	33'-6" ±	
NUMBER OF STORIES	One	

MEASUREMENT OF MEANS OF EGRESS

	REQUIRED	ACTUAL	IBC Reference
MIN. ALLOWABLE TRAVEL DISTANCE	300'	150'-0"	TABLE 1016.1
MIN. DEAD END CORRIDOR LENGTH	50'	50'	1018.4
MIN. CORRIDOR WIDTH	44"	72"	1018.2
MIN. CLEAR OPENING OF EXIT DOORS	32"	32"	1008.1.1
MIN. NUMBER OF EXITS	1	5	1018.1

BUILDING HEIGHT

OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE HEIGHT	ACTUAL HEIGHT	IBC Reference
B	IIB	60' (4 stories)	33'-6" (1 story)	TABLE 503 / 504.2 BUILDING

BUILDING AREA

OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE AREA	ACTUAL AREA (Gross SF)	IBC Reference
B	IIB	69,000 sf	66,404 sf	TABLE 503 / 506.2 BUILDING

FLOOR AREAS

OCCUPANCY CALCULATIONS TABLE 1004.1.2

FLOOR	OCCUPANCY	AREA (SNF)	AREA/ OCCUPANT (SF)	OCCUPANT LOAD	IBC Reference
1	Office	28,000 sf	100 Gross	281	304.1
1	Classrooms	10,837 sf	20 net	542	304.1
1	Conference/ Meeting	1,668 sf	15 net	46	304.1
1	Library	609 sf	50 net	11	304.1
1	Public Assembly	1,440 sf	15 net	97	304.1, 303.1.1
1	Student Lounge	726 sf	15 net	49	304.1
1	Commons Area	409 sf	15 net	27	304.1
1	Open Study	879 sf	15 net	59	304.1
1	Mechanical/ Electrical	2,872 sf	50 net	58	304.1
1	Circulation	2,605 sf	100 Gross	26	304.1
TOTAL		50,004 sf		1,251	

EGRESS CAPACITY TABULATION

TABLE 1005.1

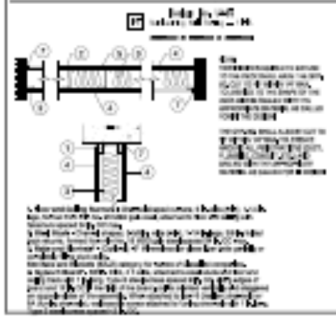
FLOOR	OCCUPANCY	OCCUPANT LOAD	EGRESS WIDTH REQUIRED	EGRESS WIDTH PROVIDED
1	B	1,251		

SEPARATION REQUIREMENTS

BUILDING ELEMENT	RATING (hr)	USE	SEPARATION (ft)	OPENINGS	IBC Reference
EXTERIOR WALL	0 hr	B/S	> 30	-	TABLE 601
EXTERIOR WALL - TENANT	0 hr	-	-	-	TABLE 601
EXTERIOR WALL - CORRIDOR	0 hr	-	-	-	TABLE 601
EXTERIOR WALL - STAIR/ELEV. SHAFT	0 hr	-	-	-	TABLE 601
EXTERIOR WALL - MECH./ELEC.	0 hr	-	-	-	TABLE 601
EXTERIOR WALL - STORAGE	0 hr	-	-	-	TABLE 601
TENANT SEPARATION - B/B USE	1 hr	-	-	-	TABLE 601
	ROOF	1 hr	B/S	> 30	-
	FLOOR	2 hr	A/A	-	-
	WALL	1 hr	B/S	> 30	-
	WALL	1 hr	A/A	-	-
CORRIDOR WALLS	1 hr	-	-	-	TABLE 601
STAIR/ELEV. SHAFT	1 hr	-	-	-	TABLE 601
MECH./ELEC. ROOM	1 hr	-	-	-	TABLE 601
STORAGE ROOMS	0 hr	-	-	-	TABLE 601
OCCUPANCY SEPARATION - B/S	1 hr	B/S	> 30	-	TABLE 508.4

PLUMBING FIXTURE CALCULATION

FIXTURE	WATER CLOSETS			LAVATORIES		
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX
OCCUPANT LOAD	626	626		626	626	
CALCULATION	1/25	1/25		1/40	1/40	
REQUIRED	25	25		16	16	
PROVIDED	25	25		16	16	
	DRINKING FOUNTAINS		SERVICE SINKS			
	REQUIRED	PROVIDED	REQUIRED	PROVIDED		
OCCUPANT LOAD	1,251					
CALCULATION	1/100		1	1		
REQUIRED	13		1	1		
PROVIDED	13		1	1		



PARTITION LEGEND

	EXISTING PARTITION / WALL TO REMAIN
	TYPICAL NEW CONSTRUCTION WALL 3-5/8" METAL FRAMING WITH 5/8" GYP BOARD ON EACH SIDE. PARTITION TO EXTEND 4" ø ABOVE SPECIFIED CEILING HEIGHT. PROVIDE SOUND ATTENUATION.
	TYPICAL PARTITION
	SOUND PARTITION
	EXTERIOR PERIMETER WALL FURR-OUT
	PARTITION 42" A.F.F.
	PARTITION 66" A.F.F.
	PARTITION 80" A.F.F.
1HR	1HR PARTITION - SEE SHEET A0.2
SMOKE	SMOKE PARTITION - SEE SHEET A0.2
	NEW CMU WALL - MATCH EXISTING
	GLASS BLOCK

SYMBOL LEGEND

NOTES:
1. SEE SHEET A0.2 FOR WALL TYPES
2. SEE SHEET A0.2 FOR WALL DESIGNATIONS

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03/08/10

Virginia College in Spartanburg

CLIENT

Virginia College
Spartanburg
South Carolina

TENANT IMPROVEMENTS

PROJECT NO. 9035.40

DATE 03/08/10

CODE SHEET AND LIFE SAFETY PLAN

A0.2