

LIFE SAFETY - OCCUPANCY - LEVEL 01					
AREA	IBC OCCUPANT FACTORS		NFPA OCCUPANT FACTORS		OCCUPANTS CALCULATED
	OCCUPANT LOAD TYPE, IBC	AREA PER OCCUPANT	OCCUPANT LOAD TYPE, NFPA	AREA PER OCCUPANT	
158 SF	(IBC 2021) Assembly: Fixed Seating	0 SF	(NFPA 2015) Assembly: Fixed seating	0 SF	34
1483 SF	(IBC 2021) Assembly: Fixed Seating	0 SF	(NFPA 2015) Assembly: Fixed seating	0 SF	114
880 SF	(IBC 2021) Assembly: Fixed Seating	0 SF	(NFPA 2015) Assembly: Fixed seating	0 SF	117
193 SF	(IBC 2021) Assembly: Fixed Seating	0 SF	(NFPA 2015) Assembly: Fixed seating	0 SF	36
1490 SF	(IBC 2021) Assembly: Standing Space	5 SF	(NFPA 2015) Assembly: Concentrated Use (without fixed seating)	7 SF	298
861 SF	(IBC 2021) Assembly: Unconcentrated (tables and chairs)	15 SF	(NFPA 2015) Assembly: Less Concentrated Use (without fixed seating)	15 SF	58
1241 SF	(IBC 2021) Assembly: Unconcentrated (tables and chairs)	15 SF	(NFPA 2015) Assembly: Less Concentrated Use (without fixed seating)	15 SF	83
820 SF	(IBC 2021) Assembly: Unconcentrated (tables and chairs)	15 SF	(NFPA 2015) Assembly: Less Concentrated Use (without fixed seating)	15 SF	55
829 SF	(IBC 2021) Assembly: Unconcentrated (tables and chairs)	15 SF	(NFPA 2015) Assembly: Less Concentrated Use (without fixed seating)	15 SF	56
601 SF	(IBC 2021) Assembly: Unconcentrated (tables and chairs)	15 SF	(NFPA 2015) Assembly: Less Concentrated Use (without fixed seating)	15 SF	41
102 SF	(IBC 2021) Business	150 SF	(NFPA 2015) Business Use (other)	100 SF	2
101 SF	(IBC 2021) Business	150 SF	(NFPA 2015) Business Use (other)	100 SF	2
5676 SF	(IBC 2021) Business	150 SF	(NFPA 2015) Business Use (other)	100 SF	57
240 SF	(IBC 2021) Educational: Classroom Areas	20 SF	(NFPA 2015) Educational Use: Classrooms	20 SF	34
661 SF	(IBC 2021) Educational: Classroom Areas	20 SF	(NFPA 2015) Educational Use: Classrooms	20 SF	34
880 SF	(IBC 2021) Kitchens, Commercial	200 SF	(NFPA 2015) Assembly: Kitchens	100 SF	9
1431 SF	(IBC 2021) Mechanical Room	300 SF	(NFPA 2015) Special Purpose Industrial		
366 SF	(IBC 2021) Mechanical Room	300 SF	(NFPA 2015) Special Purpose Industrial		
136 SF	(IBC 2021) Mechanical Room	300 SF	(NFPA 2015) Special Purpose Industrial		
668 SF	(IBC 2021) Mechanical Room	300 SF	(NFPA 2015) Special Purpose Industrial		
48 SF	(IBC 2021) Mechanical Room	300 SF	(NFPA 2015) Special Purpose Industrial		
18873 SF	TOTAL AREA - LEVEL 01		TOTAL OCCUPANTS - LEVEL 01 = 1019		

TRAVEL PATHS - LEVEL 01			
Mark	Type Comments	Type Mark	Length
A	EGRESS PATH TRAVEL	59'	
B	EGRESS PATH TRAVEL	72'	
C	EGRESS PATH TRAVEL	78'	
D	EGRESS PATH TRAVEL	42'	
E	EGRESS PATH TRAVEL	61'	
F	EGRESS PATH TRAVEL	138'	

EGRESS THROUGH GATED COURTYARD:
A.C. BUCHANAN BLDG: 173 OCC.
NEW BUILDING: 880 OCC. (THRU COURTYARD)

TOTAL OCCUPANTS EXITING THROUGH THE COURTYARD: 1053

1053 x 0.2"/OCC = 210.6" WIDTH REQUIRED AT GATES WITH PANIC HARDWARE.

