

orientation

project number 23288

date 7/5/2

sheet title	Code Sheet
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sheet number

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A002



Occupant Exit Load	
Assembly	
Total Occupant Exit Load	290 Occupants
Exit Width Factor	x 0.2
Required Exit Width	58" Exit Width
Provided Exit Width	131" Exit Width
Total of (4) 36" Wide Egress Doors provided for a Total Exiting Width of 324" provides sufficient Occupant Exit Load for Assembly. See Life Safety Plans for Exit Widths and Capacity at Each Exit	

Occupancy Calculations								
Description			Counts			Remarks		
Location	Area	Function	Occupant Load		Calculated Subtotal	RoundedUp Subtotal		
INTERIOR RESTAURANT								
Dining Room	1,017 sf	Assembly w/ Fixed Seats Unconcentrated (Tables & Chairs)	15 sf / occupant	Net	67.80	68		
Dining Room	178 sf	Assembly w/ Fixed Seats Unconcentrated (Tables & Chairs)	15 sf / occupant	Net	11.87	12		
	N/A	Booth/Bench Seating	1 occupant / 24 linear inches		20.00	20	(5) 4' Deep Booths, 96"/24" = 4 persons per booth	
Dinning Room Fixed Seating	N/A	Booth/Bench Seating	1 occupant / 24 linear inches		102.00	102	(17) 6' Deep Booths, 144"/24" = 6 persons per booth	
	N/A	Booth/Bench Seating	1 occupant / 24 linear inches		18.00	18	(2) Corner Booths, 432"/24" = 18 persons total	
Host Stand	N/A	Assembly w/ Fixed Seats	1 occupant / seat		1.00	1		
Kitchen and Prep	1,499 sf	Kitchens, Commercial	200 sf / occupant	Gross	7.50	8		
Cooler, Freezer, Keg	529 sf	Storage Areas / Mech Equipment	300 sf / occupant	Gross	1.76	2		
Bar Service Areas	283 sf	Kitchens, Commercial	200 sf / occupant	Gross	1.42	2		
Bar Seating	N/A	Fixed Seating	1 occupant / seat		40.00	40	Barstools + H.C. Accessible Counter	
Waiting Area	58 sf	Assembly w/o Fixed Seats	7 sf / occupant		8.29	9		
	N/A	Fixed Seating	1 occupant / 18" linear inches		8.00	8	Fixed Seating w/o Dividing Arms, 144"/18" = 8 persons	
SUBTOTAL RESTAURANT						290	Total Interior Occupants	
EXTERIOR PATIO								
Open Seating	2,180 sf	Assembly w/o Fixed Seats Unconcentrated (Tables & Chairs)	15 sf / occupant	Net	145.33	146		
Covered Patio Fixed Seating	N/A	Booth/Bench Seating	1 occupant / 24 linear inches		36.00	36	(9) 4' Deep Booths, 96"/24" = 4 persons per booth	
SUBTOTAL RESTAURANT						182	Total Exterior Occupants	
SUBTOTAL EXTERIOR POPULATION								
TOTAL PROJECT POPULATION					472	TOTAL OCCUPANT LOAD		

Plumbing Fixture Calculations													
Classification	Occupancy		Requirement				Required				Provided		
			Fixture	Male	Female	Total	Male	Female	Calculated Subtotal	Rounded Up Subtotal	Male	Female	Total
A-2													
Assembly (Restaurants)	Total for Indoor and Outdoor Assembly	472 Occupants	Water Closets	1 per 75	1 per 75	-	3.15	3.15	6.29	7	4	4	8
			Lavs	-	-	1 per 200	-	-	2.36	3	2	2	4
			Service Sink			1 required	-	-	1.00	1			8

CODE SUMMARY	CODE SUMMARY
PROJECT DESCRIPTION	PROJECT DESCRIPTION
Tenant build-out of an existing space for use as a Bar and Restaurant. Accommodation for exterior seating is also in the scope of this work. Core and shell build-out by others and is not covered in this permit submission.	
APPLICABLE CODES	
2018 International Building Code	
2018 International Plumbing Code	
2018 International Mechanical Code	
2018 International Fuel Gas Code	
2018 International Fire Code	
2017 National Electric Code Code	
ICC/ANSI A117.1-2009, Accessible and Usable Buildings and Facilities	
GENERAL PROJECT DATA	
Square Footage: Gross Interior 6,992 sf	
Occupancy: A-2	
Stories: 	
Type V-B (SPRINKLERED) (EXISTING)	
REQUIREMENTS BASED ON CONSTRUCTION TYPE	
(Based on IBC Chapter 6)	
IIB	
Primary Structural Frame 0HR	
Bearing Wall Exterior 0HR	
Bearing Wall Interior 0HR	
Nonbearing Walls/Partitions (Interior) 0HR	
Floor Construction, Secondary Members 0HR	
Roof Construction, Secondary Members 0HR	
Separation Wall 2HR	
FIRE PROTECTION SYSTEMS	
(Based on IBC Chapter 9)	
903.2.1.2 - Group A-2: An automatic sprinkler system shall be provided throughout stories containing group A-2 occupancy	
907.2.1 - Group A: A manual fire alarm system that activates the occupant notification system shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more.	
MEANS OF EGRESS / LIFE SAFETY	
(Based on IBC Chapter 10)	
OCCUPANT LOAD - 480 Occupants (See table included on this sheet.)	
EGRESS WIDTH FACTOR = 0.15' PER OCCUPANT	
MINIMUM NUMBER OF EXITS PER STORY	
1-500 Occupant Load - minimum 2 Exits	
501-1,000 Occupants - minimum 3 Exits	
MAXIMUM TRAVEL DISTANCE	
A-2: 250' (with sprinklers)	
MINIMUM CORRIDOR WIDTH = 44"	
MAXIMUM DEAD END CORRIDOR	
A-2: 20'	
DOOR SWING AND FORCE TO OPEN	
Shall Swing in Direction of Egress Travel when total Occupant Load is more than 50 Occupants. For means of Egress Doors: 15 LBF to release latch, 30 LBF to set the door in motion and 15 LBF to open the door to the minimum required width	
MINIMUM NUMBER OF PLUMBING FIXTURES	
(Based on IPC 2018)	
See "Plumbing Fixture Calculations" Table on this sheet.	