

## 2 ADA LAVATORY / SINK CLEARANCE

### 3 ADA MOUNTING HEIGHTS

## 4 ADA PROJECTING OBJECT GUIDELINES

## 5 ADA WATER CLOSET REQUIREMENTS

## 6 ADA STORAGE SHELVING REQUIREMENTS

## 7 ADA WATER FOUNTAIN REQUIREMENTS

## 8 ADA REACH RANGE REQUIREMENTS

## 9 MANEUVERING CLEARANCES AT SWINGING DOORS & GATES

PLUMBING: MINIMUM FIXTURES REQUIRED			IBC PLUMBING 403.1		
AREAS PER OCCUPANCY		OCCUPANT LOAD			
ASSEMBLY (A2):	2,013 SF	ASSEMBLY (A2):	82		
ASSEMBLY (A3):	8,971 SF	ASSEMBLY (A3):	303		
BUSINESS (B):	61,757 SF	BUSINESS (B):	968		
EDUCATIONAL (E):	1,596 SF	EDUCATIONAL (E):	80		
FIXTURE TYPE:	REQ'D. FIXTURE CALCULATION:	REQ'D. FIXTURES:	TOTAL PROVIDED:		
BCF 403.1					
WATER CLOSET	ASSEMBLY (A2) MALE: 1 PER 75 FEMALE: 1 PER 75  ASSEMBLY (A3) MALE: 1 PER 125 FEMALE: 1 PER 65  BUSINESS (B) 1 PER 25 FOR 1ST 50, THEN 1 PER 50  EDUCATION (E) 1 PER 50	ASSEMBLY (A2): MALE: 0.55 FEMALE: 0.55  ASSEMBLY (A-3): MALE: 3.75 FEMALE: 7.19  BUSINESS (B): MALE: 10.68 FEMALE: 10.983  EDUCATION (E): MALE: 0.80 FEMALE: 0.80  <b>BUILDING TOTAL:</b> MALE: 15.78 FEMALE: 19.22	FIRST FLOOR: MALE: 7 FEMALE: 7  SECOND FLOOR: MALE: 5 FEMALE: 5 SINGLE-USER: 1  THIRD FLOOR: MALE: 5 FEMALE: 5  FOURTH FLOOR: SINGLE-USER: 4  <b>BUILDING TOTAL:</b> MALE: 17 FEMALE: 17 SINGLE-USER: 6		
LAVATORY	ASSEMBLY (A2) 1 PER 200  ASSEMBLY (A3) 1 PER 200  BUSINESS (B) 1 PER 40 FOR FIRST 80, THEN 1 PER 80  EDUCATION (E) 1 PER 50	ASSEMBLY (A2): MALE: 0.21 FEMALE: 0.21  ASSEMBLY (A-3): MALE: 2.34 FEMALE: 2.34  BUSINESS (B): MALE: 7.05 FEMALE: 7.05  EDUCATION (E): MALE: 1.6 FEMALE: 4.6  <b>BUILDING TOTAL:</b> MALE: 11.2 FEMALE: 11.2	FIRST FLOOR: MALE: 4 FEMALE: 4  SECOND FLOOR: MALE: 4 FEMALE: 4 SINGLE-USER: 1  THIRD FLOOR: MALE: 3 FEMALE: 3  FOURTH FLOOR: SINGLE-USER: 4  <b>BUILDING TOTAL:</b> MALE: 11 FEMALE: 11 SINGLE-USER: 6		
DRINKING FOUNTAIN	ASSEMBLY (A2): 1 PER 500  ASSEMBLY (A3): 1 PER 500  BUSINESS (B): 1 PER 100  EDUCATION (E): 1 PER 100	ASSEMBLY (A2): 0.16  ASSEMBLY (A-3): 1.87  BUSINESS (B): 9.68  EDUCATION (E): 0.80  <b>BUILDING TOTAL: 12.51</b>	FIRST FLOOR: 3  SECOND FLOOR: 4  THIRD FLOOR: 2  FOURTH FLOOR: 4  <b>BUILDING TOTAL: 13</b>		
SERVICE SINK	ASSEMBLY (A2): 1  ASSEMBLY (A3): 1  BUSINESS (B): 1  EDUCATION (E): 1	ASSEMBLY (A2): 1  ASSEMBLY (A-3): 1  BUSINESS (B): 1  EDUCATION (E): 1	FIRST FLOOR: 1  SECOND FLOOR: 1  THIRD FLOOR: 1  FOURTH FLOOR: 1  <b>BUILDING TOTAL: 4</b>		

APPLICABLE CODES	
LOUISIANA STATE UNIVERSITY ALEXANDRIA RAPIDES PARISH	
BUILDING CODE	INTERNATIONAL BUILDING CODE 2021
MECHANICAL CODE	INTERNATIONAL MECHANICAL CODE 2021
ELECTRICAL CODE	NATIONAL ELECTRICAL CODE 2009
PLUMBING CODE	INTERNATIONAL PLUMBING CODE 2019
GAS CODE	INTERNATIONAL FUEL GAS CODE 2011
PIPE CODE	NATIONAL FIRE PROTECTION ASSOCIATION 2015
ENERGY CODE	INTERNATIONAL ENERGY CONSERVATION CODE 2015
LIFE SAFETY CODE	NFPA 101 LIFE SAFETY CODE 2015
ACCESSIBILITY CODE	ADA ACCESSIBILITY GUIDELINES 2010
EXISTING BUILDING CODE	INTERNATIONAL EXISTING BUILDING CODE 2021
CODE CRITERIA AS SET FORTH IS AS ADOPTED OR AMENDED BY LOCAL AUTHORITIES HAVING JURISDICTION	

USE & OCCUPANCY CLASSIFICATION	
OCCUPANCY CLASSIFICATION IBC (508.3):  NFA101:	MIXED-USE, SEPARATED (GROUP B - BUSINESS, GROUP A - ASSEMBLY) MIXED-OCCUPANCY (BUSINESS, ASSEMBLY)
CLASSIFICATION OF WORK NEW CONSTRUCTION	
IBC: NFPA:	TYPE I-B, MULTI-LEVEL, SPRINKLERED TYPE II (000)
OCCUPANCY SEPARATION	TABLE 508.4: 1-HOUR (VERTICAL & HORIZONTAL SEPARATION BETWEEN ASSEMBLY & BUSINESS OCCUPANCIES

GENERAL BUILDING HEIGHTS & AREAS		
MAXIMUM ALLOWABLE HEIGHTS AND FLOOR AREAS FOR TYPES OF CONSTRUCTION AND OCCUPANCY CLASSIFICATIONS:		
IBC:		
TABLE 504.3	75' (FOR GROUPS A & B)	
TABLE 504.4	3 STORIES (A-3 OCCUPANCY) OR 4 STORIES (B OCCUPANCY)	
TABLE 506.2	28,500 SF (GROUP A-3) OR 69,500 (GROUP B)	
ACTUAL DESIGNED AREAS (GROSS):		
FIRST FLOOR:	21,800 SF	
SECOND FLOOR:	23,600 SF	
THIRD FLOOR:	20,096 SF	
FOURTH FLOOR:	22,915 SF	
TOTAL GROSS AREA:	78,409 SF	

MEANS OF EGRESS		
EGRESS	IBC	NFPA
MAXIMUM DEAD END CORRIDOR	50' (1020.5)	50' (14.2.5.2)
MAXIMUM TRAVEL DISTANCE	250' (1017)	200' (14.2.6.3)
MAXIMUM COMMON PATH OF TRAVEL		
(≤50 OCCUPANTS)	100' (1006.2)	100' (14.1.5)
(≥ 50 OCCUPANTS)	100'	

FIRE PROTECTION	
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0
CORRIDOR FIRE RESISTANCE RATING	0
(IBC TABLE 1020.2)	
FIRE ALARM SYSTEM	REQUIRED (907.2.1)
SPRINKLER SYSTEM	REQUIRED (903.2)

ATRIUM
<p>The term Atrium was used as a room names and some descriptions by reference. This term is used as a general building description to describe the three-story vertical opening that is protected at the 2nd and 3rd floors by automatic smoke curtains.</p> <p>Under emergency fire conditions the volume does not communicate with other floors and does not require additional vertical opening/atrium protections required by NFPA 101.8.6 or IBC 404.712.</p>

