

PROJECT INFORMATION:

THE BUILDING IS IN COMPLIANCE WITH THE:
 2012 INTERNATIONAL BUILDING CODE
 2012 INTERNATIONAL FIRE CODE
 2012 INTERNATIONAL MECHANICAL CODE
 2012 INTERNATIONAL PLUMBING CODE
 2012 INTERNATIONAL ENERGY CONSERVATION CODE
 2012 INTERNATIONAL FUEL GAS CODE
 2011 NATIONAL ELECTRIC CODE
 ICC ANSI A117.1 - 2009 ACCESSIBLE AND USABLE BUILDING AND FACILITIES

BUILDING PLANNING [CHAPTER 3.4.5.6]:		
OCCUPANCY CLASSIFICATION [302.0 - 312.0]	MIXED OCCUPANCY GROUP M & S-1	
	(ALLOWABLE)	(ACTUAL)
NUMBER OF STORIES [TABLE 503]:	1	1
BUILDING HEIGHT [TABLE 503]:	40'-0"	24'-8"
BUILDING AREA [TABLE 503]:	9,000	
STREET FRONTAGE:	6750	
INCREASE (A ₁) [506.2]:		
AUTOMATIC SPRINKLER SYSTEM INCREASE (A ₂) [506.3]:	27,000	
MAXIMUM ALLOWABLE SQUARE FOOTAGE (A ₃):	42,750	19,792

AREA MODIFICATIONS (506):
 AUTOMATIC SPRINKLER SYSTEM: YES - (300% INCREASE)
 STREET FRONTAGE INCREASE:
 • BUILDING PERIMETER: 594'-8"
 • BUILDING PERIMETER FRONTING ON A STREET OR UNOCCUPIED SPACE: 594'-8"
 • INCREASE TO MAX. ALLOWABLE AREA (I₁): 75.0%

AREA INCREASE CALCULATOR			
A _s	A _t	(A _s * I ₁) / 100	(A _s * I ₂) / 100
A _s	9,000	6,750	27,000

TYPES OF CONSTRUCTION [CHAPTER 6]:
 CONSTRUCTION CLASSIFICATION: VB

FIRE RESISTANT REQUIREMENTS: (TABLES 601 & 602)
 STRUCTURAL FRAME: 0 HR.
 BEARING WALLS:
 EXTERIOR: 0 HR.
 INTERIOR: 0 HR.
 NONBEARING WALLS AND PARTITIONS:
 EXTERIOR: SEE TABLE 602
 INTERIOR: 0 HR.
 FLOOR CONSTRUCTION: 0 HR.
 ROOF CONSTRUCTION: 0 HR.

FIRE SEPARATION DISTANCE = X (feet)
 LESS THAN 5': 2 HR.
 MORE THAN 5', LESS THAN 10': 1 HR.
 MORE THAN 10', LESS THAN 30': 0 HR.
 GREATER THAN 30': 0 HR.

FIRE AND SMOKE PROTECTION FEATURES: (CHAPTER 7)
 FIRE-RESISTANT RATING OF STRUCTURAL MEMBERS (704): NOT REQUIRED
 EXTERIOR WALLS (705): NOT REQUIRED
 FIRE WALLS (706): NOT REQUIRED
 FIRE BARRIERS (707): NOT REQUIRED
 FIRE PARTITIONS (708): NOT REQUIRED
 SMOKE BARRIERS (709): NOT REQUIRED
 SMOKE PARTITIONS (710): NOT REQUIRED
 HORIZONTAL ASSEMBLIES (711): NOT REQUIRED
 VERTICAL OPENINGS (712): NOT REQUIRED
 SHAFT ENCLOSURES (713): NOT REQUIRED
 PENETRATIONS (714): NOT REQUIRED
 FIRE-RESISTANT JOINT SYSTEMS (715): NOT REQUIRED
 OPENING PROTECTIVES (716): NOT REQUIRED
 DUCTS AND AIR TRANSFER OPENINGS (717): NOT REQUIRED
 CONCEALED SPACES (718): NOT REQUIRED
 FIRE-RESISTANT REQUIREMENTS FOR PLASTER (719): NOT REQUIRED
 THERMAL- AND SOUND-INSULATING MATERIALS (720): NOT REQUIRED

OCCUPANCY / GROUP	SPRINKLERED			NONSPRINKLERED		
	EXIT ENCLOSURES, PASSAGEWAYS, CORRIDORS	ROOMS AND ENCLOSURES	PASSAGEWAYS	EXIT ENCLOSURES, PASSAGEWAYS, CORRIDORS	ROOMS AND ENCLOSURES	PASSAGEWAYS
MERCANTILE	B	C	C	B	C	C

FIRE PROTECTION SYSTEMS [CHAPTER 9]:
 AUTOMATIC SPRINKLER SYSTEMS (903): (REQUIRED) YES (PROVIDED) YES
 STANDPIPE SYSTEM (905): (REQUIRED) NO (PROVIDED) NO
 PORTABLE FIRE EXTINGUISHERS (906): (REQUIRED) YES (PROVIDED) YES
 FIRE ALARM AND DETECTION SYSTEMS (907): (REQUIRED) NO (PROVIDED) YES
 EMERGENCY ALARM SYSTEMS (908): (REQUIRED) NO (PROVIDED) NO
 SMOKE CONTROL SYSTEMS (909): (REQUIRED) NO (PROVIDED) NO
 SMOKE AND HEAT EXHAUSTION SYSTEMS (910): (REQUIRED) NO (PROVIDED) NO
 FIRE COMMAND CENTER (911): (REQUIRED) NO (PROVIDED) NO
 FIRE DEPARTMENT CONNECTIONS (912): (REQUIRED) YES (PROVIDED) YES

MEANS OF EGRESS (CHAPTER 10)
OCCUPANT LOAD (1004):

OCCUPANCY LOADS [1004.0 TABLE 1004.1.2]			
OCCUPANCY USE	SQUARE FEET / OCCUPANT	TOTAL OCCUPANCY SQUARE FOOTAGE	OCCUPANTS
MERCANTILE	30	12,407	414
BUSINESS	100	556	6
STORAGE / STOCK	300	5,135	18
TOTAL OCCUPANT LOAD			438

EGRESS WIDTH (1005):

USE GROUP OR SPACE DESCRIPTION	OCCUPANT LOAD BY USE	EGRESS WIDTH PER OCCUPANT [SECTION 1005.1]				EXIT WIDTH (IN.)*			
		(A)		(B)		REQUIRED WIDTH [SECTION 1005] (A X B)		ACTUAL WIDTH SHOWN ON PLANS	
		STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
MERCANTILE	414	.3	.2	124.2	82.8	N/A	135.75		
BUSINESS	6	.3	.2	1.8	1.2	N/A	6		
STORAGE	18	.3	.2	5.4	3.6	N/A	113		

* The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required [Section 1005.1]

ACCESSIBLE MEANS OF EGRESS (1007):

DOOR WIDTH (1008): (REQUIRED) YES (PROVIDED) YES
 MINIMUM: 32"
 MAXIMUM: 48"
 PANIC HARDWARE (1008.1.9): (REQUIRED) NO (PROVIDED) YES
 EXIT SIGNS (1011): (REQUIRED) YES (PROVIDED) YES
 HANDRAILS (1012): 34" H. MIN., 38" H. MAX.
 GUARDS (1013): 42" H. IF ADJACENT GRADE IS GREATER THAN 30"
 COMMON PATH OF EGRESS TRAVEL (1014.3): 75' MERCANTILE 100' STORAGE
 MINIMUM # OF EXITS REQ. ON 1ST FLOOR (1015): (REQUIRED) 2 (PROVIDED) 4
 MAXIMUM TRAVEL DISTANCE TO AN EXIT [TABLE 1016.1]: 250'
 MINIMUM CORRIDOR WIDTH (1018.2): 44" / 60" FOR H.C. TURN AROUND [AT 200' INTERVALS]
 MAXIMUM DEAD END CORRIDOR DISTANCE (1018.4): 50' IF SPRINKLERED

ACCESSIBILITY (CHAPTER 11)

CHECK-OUT AISLES [TABLE 1109.12.2]: (REQUIRED) 2 (PROVIDED) 5

PLUMBING FIXTURE REQUIREMENTS:

OCCUPANCY / GROUP	MINIMUM NO. OF REQUIRED PLUMBING FIXTURES [IBCP TABLE 403.1]					
	WATER CLOSETS (URINALS)		LAVATORIES		BATHUBS / SHOWERS	DRINKING FOUNTAINS
	MALE	FEMALE	MALE	FEMALE		
MERCANTILE (REQUIRED)	1 PER 500	1 PER 750	-	-	1 PER 100	1 SERVICE
MERCANTILE (PROVIDED)	1+1	1	1	1	-	2 SERVICE SINK

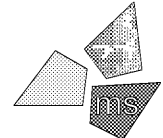
AREA SUMMARY (FOR REFERENCE ONLY)

SIDE DOCK AREA SUMMARY		
OCCUPANCY USE	ROOM NAME	SQUARE FOOTAGE
MERCANTILE	SALES / VESTIBULE	12,106
	MENS ROOM	85
	WOMENS ROOM	83
	HALL	133
SUBTOTAL (MERCANTILE)		12,407
BUSINESS	OFFICE	252
	BREAK ROOM	304
SUBTOTAL (BUSINESS)		556
STORAGE / STOCK	BACKROOM	3,084
	COOLER	1,317
	FREEZER	734
SUBTOTAL (STORAGE / STOCK)		5,135
SUBTOTAL (OCCUPANCIES)		18,098
EXTERIOR / INTERIOR WALLS / UNOCCUPIED SPACE		96
BUILDING SQUARE FOOTAGE		18,194
EXTERIOR CANOPY		73
TOTAL SQUARE FOOTAGE (INCLUDING CANOPY)		19,792

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