

FIRE RESISTANCE RATINGS BASED ON TYPE IIB/II 000 CONSTRUCTION

	IBC 2009 EDITION	NFPA 101 2009 EDITION	CONCLUSION
PRIMARY STRUCTURAL FRAME	0	0	0
BEARING WALL EXTERIOR	SEE NOTE ONE	0	SEE NOTE ONE
BEARING WALL INTERIOR	0	0	0
NONBEARING WALLS AND PARTIONS EXTERIOR	SEE NOTE ONE	0	SEE NOTE ONE
NONBEARING WALLS AND PARTIONS INTERIOR	0	0	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0	0	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0	0	0
CORRIDOR FIRE-RESISTANCE RATING	0	0	0
SHAFTS CONNECTING LESS THEN FOUR STORIES	1	1	1
SHAFTS CONNECTING FOUR OR MORE STORIES	2	2	NOT APPLICABLE
EXIT ENCLOSURES CONNECTING LESS THEN FOUR STORIES	1	1	1
EXIT ENCLOSURES CONNECTING FOUR OR MORE STORIES	2	2	NOT APPLICABLE

NOTE 1: FIRE RESISTANCE RATING ON EXTERIOR WALLS FROM LOT LINE RATING	LESS THEN 5 FT	5 FT TO LESS THEN 10 FT	10 OR MORE FT
	1 HR	1 HR	0

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPERATION DISTANCE WITH UNPROTECTED AND SPRINKLER SYSTEM	
Fire SEPERATION DISTANCE (FEET)	ALLOWABLE AREA
0 TO LESS THEN 3	NOT PERMITTED
3 TO LESS THEN 5	15% OF WALL AREA
5 TO LESS THEN 10	25% OF WALL AREA
10 TO LESS THEN 15	45% OF WALL AREA
15 TO LESS THEN 20	75% OF WALL AREA
20 OR GREATER	NO LIMIT

UPC 2009 PLUMBING FIXTURE REQUIREMENTS FOR OFFICE BUILDING

	WATER CLOSET	URINALS	LAVATORIES	DRINKING FOUNTAINS
REQUIRED	MALE 1 / FEMALE 4	MALE 1	MALE 1 / FEMALE 1	1
ACTUAL	MALE 1 / FEMALE 2 / 1 UNSEX	MALE 1	MALE 1 / FEMALE 1	1

IECC 2009 INTERNATIONAL ENERGY CONSERVATION CODE (ZONE 6)

	REQUIRED	ACTUAL
ROOFS - INSULATED ENTIRELY ABOVE DECK	R-20 CONTINUOUS INSULATION	MINIMUM R-26.6 CONTINUOUS INSULATION WITH AVERAGE R-38
WALLS ABOVE GRADE - METAL FRAMED	R-13 +R-5.6 CONTINUOUS INSULATION	R-15 +R-12.5 CONTINUOUS INSULATION
FLOORS - JOIST/FRAMED	R-30	R-38
SLAB - UNHEATED	R-10 FOR 24 INCHES BELOW	R-12.5 FOR 48 INCHES BELOW

MEP SYSTEM FOLLOWED THE IECC 2009

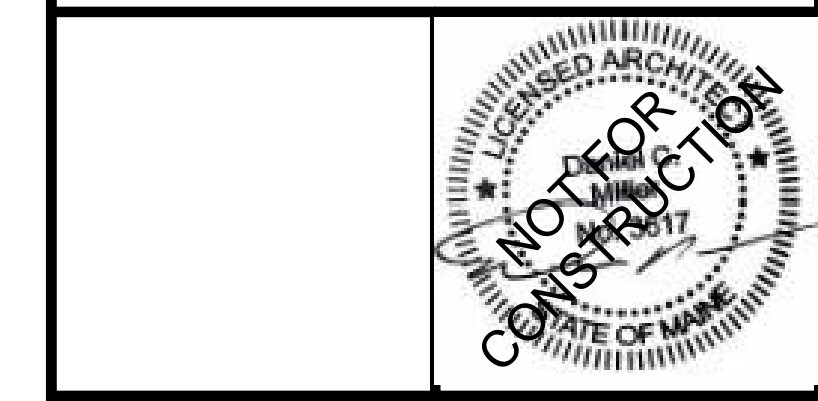
CODE REVIEW - BANGOR SAVINGS BANK MARGINAL WAY

CLASSIFICATION	IBC 2009 EDITION	NFPA 101 2009 EDITION	CONCLUSION
USE GROUP	BUSINESS GROUP B	NEW BUSINESS OCCUPANCIES	BUSINESS GROUP B NEW BUSINESS OCCUPANCIES
CONSTRUCTION TYPE	TYPE IIB	TYPE II 000	TYPE IIB / TYPE II 000
HEIGHT AND AREA SEPRATIONS	BUILDING HEIGHT 75 FEET FOUR STORIES ABOVE GRADE AREA PER FLOOR 23,000 SF		BUILDING HEIGHT 75 FEET FOUR STORIES ABOVE GRADE AREA PER FLOOR 23,000 SF
REQUIREMENTS FOR AUTOMATIC SPRINKLER SYSTEMS	AUTOMATIC SPRINKLER SYSTEMS PROVIDED	AUTOMATIC SPRINKLER SYSTEMS PROVIDED	AUTOMATIC SPRINKLER SYSTEMS PROVIDED

EGRESS	IBC 2009 EDITION	NFPA 101 2009 EDITION	CONCLUSION
OCCUPANT LOAD	BUSINESS USE 100 GROSS FIRST STORY = 22 SECOND STORY = 60 THIRD STORY = 42 MECHANICAL USE 300 GROSS PENTHOUSE = 3 TOTAL BUILDING = 127	BUSINESS USE 100 GROSS FIRST STORY = 22 SECOND STORY = 60 THIRD STORY = 42 MECHANICAL USE 300 GROSS PENTHOUSE = 3 TOTAL BUILDING = 127	BUSINESS USE 100 GROSS FIRST STORY = 22 SECOND STORY = 60 THIRD STORY = 42 MECHANICAL USE 300 GROSS PENTHOUSE = 3 TOTAL BUILDING = 127
MEANS OF EGRESS	MINIMUM NUMBER OF EXITS PER STORY TWO PENTHOUSE CONSIDERED APART OF THE STORY BELOW. PER TABLE 1021.2 ONE MEANS OF EGRESS IS PERMITTED ON FIRST STORY WITH A MAXIMUM OPPUPANT OF 49 OCCPUPANTS AND 75 FEET TRAVEL DISTANCE.	MINIMUM NUMBER OF EXITS PER STORY TWO, EXCEPT FOR MECHANICAL EQUIPMENT ROOM STORY A SINGLE MEANS OF EXIT.	MINIMUM NUMBER OF EXITS PER STORY TWO, EXCEPT FOR MECHANICAL EQUIPMENT ROOM STORY AND FIRST STORY WITH A MAXIMUM OPPUPANT OF 49 OCCPUPANTS AND 75 FEET TRAVEL DISTANCE A SINGLE MEANS OF EXIT IS PERMITTED.
LOCATIONS OF MEANS OF EGRESS	LOCATED AT A DISTANCE FROM ONE ANOTHER NOT LESS THAN ONE-THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING.	LOCATED AT A DISTANCE FROM ONE ANOTHER NOT LESS THAN ONE-THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING.	LOCATED AT A DISTANCE FROM ONE ANOTHER NOT LESS THAN ONE-THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING.
EXIT DISCHARGE	MAXIMUM OF 50 PERCENT OF THE NUMBER AND CAPACITY OF THE EXIT ENCLOSURES IS PERMITTED TO EGRESS THROUGH AREAS ON THE LEVEL OF DISCHARGE PROVIDED THE FOLLOW ARE MET. 1. SUCH EXIT ENCLOSURES EGRESS TO A FREE AND UNOBSTRUCTED PATH OF TRAVEL TO AN EXTERIOR EXIT DOOR AND SUCH EXIST IS READILY VISIBLE AND IDENTIFIABLE FROM THE POINT OF TERMINATION OF THE EXIT ENCLOSURE. 2. THE ENTIRE AREA OF THE LEVEL OF EXIT DISCHARGE IS SEPRATED FROM AREAS BELOW BY CONSTRUCTION CONFORMING TO THE FIRE-RESTANCE RATEING FOR THE EXIST ENCLOSURE. 3. IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM.		MAXIMUM OF 50 PERCENT OF THE NUMBER AND CAPACITY OF THE EXIT ENCLOSURES IS PERMITTED TO EGRESS THROUGH AREAS ON THE LEVEL OF DISCHARGE PROVIDED THE FOLLOW ARE MET. 1. SUCH EXIT ENCLOSURES EGRESS TO A FREE AND UNOBSTRUCTED PATH OF TRAVEL TO AN EXTERIOR EXIT DOOR AND SUCH EXIST IS READILY VISIBLE AND IDENTIFIABLE FROM THE POINT OF TERMINATION OF THE EXIT ENCLOSURE. 2. THE ENTIRE AREA OF THE LEVEL OF EXIT DISCHARGE IS SEPRATED FROM AREAS BELOW BY CONSTRUCTION CONFORMING TO THE FIRE-RESTANCE RATEING FOR THE EXIST ENCLOSURE. 3. IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM.
PENTHOUSE	PENTHOUSE TO BE CONSIDERED AS A PORTION OF THE STORY BELOW, SHALL NOT EXCEED 28 FT ABOVE ROOF AND SHALL NOT EXCEED ONE-THIRD THE AREA OF THE SUPPORTING ROOF.		PENTHOUSE IS 10 FT 8 INCHES ABOVE THE ROOF LESS THE 28 FT AND ROOF AREA IS 2,537 SF AND PENTHOUSE IS 739 SF LESS THEN A 1/3 THE ROOF AREA. PENTHOUSE IS CONSIDERED PART OF THE THIRD STORY.
TRAVEL DISTANCE TO EXITS	MAXIMUM 300 FEET	MAXIMUM 300 FEET	MAXIMUM 300 FEET
COMMON PATH OF TRAVEL	MAXIMUM 100 FEET	MAXIMUM 100 FEET, EXCEPT FOR MECHANICAL EQUIPMENT ROOM STORY IS 50 FEET.	MAXIMUM 100 FEET, EXCEPT FOR MECHANICAL EQUIPMENT ROOM STORY IS 50 FEET.
DEAD END CORRIDORS	MAXIMUM 50 FEET	MAXIMUM 50 FEET	MAXIMUM 50 FEET

NO.	DATE	DESCRIPTION
1	09.23.15	ASI #003
0	03.31.15	SCHEMATIC DESIGN

ISSUED FOR CONSTRUCTION  
07.22.15



BSB - MARGINAL WAY  
PORTLAND, MAINE

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CAD DWG FILE:	GI003 CODE REVIEW SUMMARY & NOTES.DWG
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SHEET TITLE  
CODE REVIEW SUMMARY & NOTES

GI003

