

CODE ANALYSIS - LIFE SAFETY CODE (NFPA 101)

BASIC BUILDING DESCRIPTION

- 1. TOTAL BUILDING AREA - APPROX. 123,000 SF
2. BUILDING HEIGHT - APPROX. 51'-0"

APPLICABLE CODES

- 1. 2012 EDITION OF THE INTERNATIONAL BUILDING CODE
2. NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS - 2010 EDITION
3. NFPA 13, STANDARD FOR THE INSTALLATION FOR SPRINKLER SYSTEMS - 2013 EDITION
4. NFPA 24, INSTALLATION FOR PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES - 2013 EDITION
5. NFPA 70, NATIONAL ELECTRICAL CODE - 2011 EDITION
6. NFPA 72, FIRE ALARM CODE - 2013 EDITION
7. NFPA 90A, STANDARD FOR INSTALLATION OF AIR-CONDITIONING AND VENTILATION SYSTEMS - 2012 EDITION
8. NFPA 101, LIFE SAFETY CODE - 2012 EDITION
9. UNIFIED FACILITIES CRITERIA (UFC)

FIRE PROTECTION SYSTEMS

- 1. FIRE SPRINKLER SYSTEM - GENERAL
1.1. FIRE SPRINKLER SYSTEM IS EXISTING AND TO BE MODIFIED PER THE NEW BUILDING LAYOUT
2. FIRE SPRINKLER SYSTEM REQUIREMENTS
2.1. HAZARD CLASSIFICATIONS
2.1.1. ORDINARY HAZARD - GROUP 1: MERCANTILE, MECHANICAL ROOMS, AND THE LIKE
2.1.2. LIGHT HAZARD: CORRIDORS, RESTROOMS, OFFICES, AND THE LIKE
2.2. FIRE SPRINKLER COVERAGE
2.2.1. LIGHT HAZARD: 225 SF
2.2.2. ORDINARY HAZARD - GROUP 1: 130 SF
2.3. FIRE SPRINKLER DESIGN DENSITY
2.3.1. LIGHT HAZARD: 0.1 GPM/SF
2.3.2. ORDINARY HAZARD - GROUP 1: 0.15 GPM/SF
2.4. FIRE SPRINKLER SYSTEM MINIMUM HYDRAULIC REMOTE AREA
2.4.1. LIGHT HAZARD: 1,500 SF
2.4.2. ORDINARY HAZARD - GROUP 1: 3,000 SF
2.5. FIRE SPRINKLER HOSE STREAM ALLOWANCE
2.5.1. LIGHT HAZARD: 250 GPM
2.5.2. ORDINARY HAZARD - GROUP 1: 500 GPM
3. PORTABLE FIRE EXTINGUISHERS - GENERAL
3.1. PORTABLE FIRE EXTINGUISHERS ARE EXISTING AND TO REMAIN. ADDITIONAL FIRE EXTINGUISHERS SHALL BE ADDED THROUGHOUT THE BUILDING AS NOTED ON THE CONTRACT DRAWINGS. FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA 10
4. PORTABLE FIRE EXTINGUISHERS REQUIREMENT
4.1. GENERAL TYPE: 2A10BC MINIMUM (HIGHER RATING FOR HAZARDOUS AREAS)
4.2. SPACING: 75 FEET MAXIMUM TRAVEL DISTANCE (THROUGHOUT ENTIRE BUILDING)

FIRE DETECTION/ALARM SYSTEMS

- 1. FIRE DETECTION/ALARM SYSTEMS - GENERAL
1.1. EXTEND THE EXISTING SYSTEM FOR FIRE ALARM THROUGHOUT THE MODIFIED BUILDING LAYOUT
1.2. PROVIDE ADDRESSABLE TYPE DEVICES
1.3. FIRE ALARM SYSTEM SHALL BE INSTALLED PER NFPA 72
2. NOTIFICATION
2.1. FIRE ALARM SYSTEM SHALL INCLUDE VISIBLE ALARM INDICATING APPLIANCES IN PUBLIC AND COMMON AREAS
2.2. AUDIBLE ALARM INDICATING APPLIANCES SHALL PROVIDE A DISTINCTIVE SOUND WHICH SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THAT OF A FIRE ALARM
2.3. THE MINIMUM SOUND PRESSURE LEVELS SHALL BE 70 dBA IN OFFICE AREAS AND ASSEMBLY AREAS, 90 dBA IN MECHANICAL OR EQUIPMENT ROOMS AND 60 dBA IN ALL OTHER ROOMS
2.4. THE MAXIMUM SOUND PRESSURE LEVEL FOR AUDIBLE INDICATING APPLIANCES SHALL NOT EXCEED 120 dBA AT THE MINIMUM HEARING DISTANCE FROM THE APPLIANCE
3. MANUAL FIRE ALARM ACTIVATION
3.1. PROVIDE MANUAL FIRE ALARM PULL STATIONS WITHIN 5 FEET OF ALL APPROVED EXITS/EXTERIOR EXIT DOORS

OCCUPANCY CLASSIFICATION

- 1. NEW MERCANTILE OCCUPANCY CLASS A
2. NEW STORAGE OCCUPANCY
3. NEW BUSINESS OCCUPANCY

TYPE OF CONSTRUCTION

- 1. TYPE II B PER NFPA 220

OCCUPANCY SEPARATION

- 1. MIXED OCCUPANCY: EACH PORTION OF THE BUILDING SHALL BE CLASSIFIED AS TO ITS USE, BUT NO FIRE RESISTIVE SEPARATION SHALL BE REQUIRED (SECTION 6.1.14.3.1). THE MEANS OF EGRESS FACILITIES, TYPE OF CONSTRUCTION, PROTECTION AND OTHER SAFEGUARDS IN THE BUILDING SHALL COMPLY WITH THE MOST RESTRICTIVE FIRE AND LIFE SAFETY REQUIREMENTS OF THE OCCUPANCIES INVOLVED (SECTION 6.1.14.3.2)

STRUCTURAL FIRE RESISTIVE RATINGS

- 1. BEARING & NONBEARING EXTERIOR WALLS - WITH LESS THAN 5' FIRE SEPARATION DISTANCE: 1-HOUR
2. BEARING & NONBEARING EXTERIOR WALLS - WITH 5' AND GREATER AND LESS THAN 10' FIRE SEPARATION DISTANCE: 1-HOUR
3. BEARING & NONBEARING WALLS - WITH 10' OR MORE FIRE SEPARATION DISTANCE: 0-HOUR
4. BEARING WALLS - INTERIOR: 0-HOUR
5. NONBEARING WALLS - INTERIOR: 0-HOUR
6. STRUCTURAL FRAME: 0-HOUR
7. FLOOR CONSTRUCTION: 0-HOUR

8. ROOF CONSTRUCTION: 0-HOUR

OTHER FIRE RESISTANCE RATED SEPARATION

- 1. CORRIDOR WALLS
1.1. PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC FIRE SPRINKLER SYSTEM
1.1.1. 0-HOUR
2. STORAGE ROOMS
2.1. PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC FIRE SPRINKLER SYSTEM
2.1.1. 0-HOUR

INTERIOR FINISH

- 1. EXIT PASSAGEWAYS
1.1. MERCANTILE/STORAGE OCCUPANCY - CLASS C/AUTOMATIC FIRE SPRINKLER PROTECTION
2. EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS
2.1. MERCANTILE/STORAGE OCCUPANCY - CLASS A OR B/AUTOMATIC FIRE SPRINKLER PROTECTION
3. ROOMS AND ENCLOSED SPACES
3.1. MERCANTILE/STORAGE OCCUPANCY - CLASS C/AUTOMATIC FIRE SPRINKLER PROTECTION
4. FLOOR FINISH
4.1. MERCANTILE/STORAGE OCCUPANCY - NO CRITICAL RADIANT FLUX RATING
5. CLASSIFICATIONS (SECTION 10.2.3.4)
5.1. INTERIOR WALL FINISH - FLAME SPREAD INDEX
5.1.1. CLASS A: 0 - 25
5.1.2. CLASS B: 26 - 75
5.1.3. CLASS C: 76 - 200
5.2. INTERIOR WALL FINISH - FINISH DEVELOPED INDEX
5.2.1. CLASS A: 0-450
5.2.2. CLASS B: 0-450
5.2.3. CLASS C: 0-450

MEANS OF EGRESS

- 1. EGRESS COMPONENTS
1.1. DOORS
1.1.1. MINIMUM CLEAR WIDTH: 32 INCHES
1.1.2. SWING IN DIRECTION OF EGRESS TRAVEL WHEN SERVING AN OCCUPANT LOAD GREATER THAN 50 PERSONS
1.1.3. SWING IN DIRECTION OF EGRESS TRAVEL WHEN USED IN AN EXIT ENCLOSURE OF WHERE SERVING A HIGH HAZARD CONTENTS AREA
1.1.4. DOORS ARE TO BE ARRANGED TO BE OPENED READILY FROM THE EGRESS SIDE WHENEVER THE BUILDING IS OCCUPIED. LOCKS, IF PROVIDED, SHALL BE PERMITTED TO HAVE A KEY-OPERATED LOCK FROM THE EGRESS SIDE, PROVIDED THE FOLLOWING CRITERIA IS MET. (SECTION 7.2.1.5.1)
1.1.4.1. ON OR ADJACENT TO THE DOOR, THERE IS A REDILY VISIBLE, DURABLE SIGN IN LETTERS NOT LESS THAN 1 IN. HIGH ON A CONTRASTING BACKGROUND THAT READS AS FOLLOWS: "THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED"
1.1.4.2. THE LOCKING DEVICE IS OF A TYPE THAT IS REDILY DISTINGUISHABLE AS LOCKED.
1.1.4.3. A KEY IS IMMEDIATELY AVAILABLE TO ANY OCCUPANT INDISE THE BUILDING WHEN IT IS LOCKED.
1.1.5. THE PANIC HARDWARE OR FIRE EXIT HARDWARE IS TO CONSIST OF CROSS BARS OR PUSH PADS LOCATED NOT LESS THAN 34 INCHES OR MORE THAN 48 INCHES ABOVE THE FLOOR. THE ACTUATING PORTION OF THE CROSS BAR OR PUSH PADS IS NOT TO EXTEND ACROSS LESS THAN ONE-HALF THE WIDTH OF THE DOOR.
2. MARKING OF MEANS OF EGRESS
2.1. SIGNAGE
2.1.1. EXITS SHALL BE MARKED BY AN APPROVED SIGN READILY VISIBLE FROM ANY DIRECTION OF EXIT ACCESS
2.1.2. SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN THE EXIT ACCESS CORRIDOR IS MORE THAN 100 FEET FROM THE NEAREST EXTERNALLY ILLUMINATED A DIRECTIONAL SIGN READING "EXIT" WITH A DIRECTION INDICATOR SHOWING THE DIRECTION OF TRAVEL SHALL BE PLACED IN EVERY LOCATION WHERE THE DIRECTION OF TRAVEL TO REACH THE NEAREST EXIT IS NOT APPARENT
2.2. ILLUMINATION
2.2.1. EVERY EXIT SIGN SHALL BE ILLUMINATED AT ALL TIMES. THE ILLUMINATION SHALL BE FOR 90 MINUTES IN THE CASE OF A PRIMARY POWER LOSS
2.2.2. EXIT SIGNS THAT ARE EXTERNALLY ILLUMINATED SHALL HAVE AN INTENSITY NOT LESS THAN 5 FT-CANDLES
3. EMERGENCY LIGHTING
3.1. EMERGENCY LIGHTING
3.1.1. EMERGENCY LIGHTING REQUIRED FOR EXIT ACCESS, EXITS AND EXIT DISCHARGE AT ALL TIMES THAT THE BUILDING IS OCCUPIED
3.1.2. EMERGENCY ILLUMINATION IS REQUIRED TO BE AS FOLOWS
3.1.2.1. ILLUMINATION OF MEANS OF EGRESS SHALL BE FOR A DURATION OF 90 MINUTES AND THE EMERGENCY POWER SHALL BE FROM BATTERIES, UNTIL EQUIPMENT OR GENERATOR
3.1.2.2. REQUIRED ILLUMINATION SHALL BE ARRANGED SO THAT INITIAL ILLUMINATION IS AT LEAST AN AVERAGE OF 1 FT-CANDLE AND A MINIMUM AT ANY POINT OF 0.1 FT-CANDLE
3.1.2.3. A DECLINE TO 0.6 FT-CANDLE AVERAGE ILLUMINATION AT THE FLOOR WITH A MINIMUM 0.06 FT-CANDLE AT ANY POINT IS PERMITTED AT THE END OF THE EMERGENCY LIGHTING TIME DURATION
3.1.2.4. A MAXIMUM TO MINIMUM ILLUMINATION UNIFORMITY RATION OF 40:1 SHALL NOT BE EXCEEDED

4. OCCUPANT LOAD FACTORS

- 4.1. MERCANTILE FIRST FLOOR: 30 NET SQ. FT. PER OCCUPANT
4.2. MERCANTILE SECOND FLOOR: 60 NET SQ. FT. PER OCCUPANT
4.3. OFFICES: 100 SQ. FT. PER OCCUPANT
4.4. STORAGE AND MECHANICAL SPACE: 300 SQ. FT. PER OCCUPANT

5. CAPACITY OF MEANS OF EGRESS

5.1. EGRESS WIDTH REQUIRED PER PERSON

- 5.1.1. HORIZONTAL EGRESS TRAVEL: 0.2 INCHES/PERSON
5.2. MINIMUM EGRESS WIDTH REQUIRED
5.2.1. CORRIDORS WITH OCCUPANT LOAD > 50: 44 INCHES
5.2.2. CORRIDORS WITH OCCUPANT LOAD < 50: 36 INCHES
5.2.3. CLEAR EXIT DOOR OPENING: 32 INCHES

6. TRAVEL DISTANCE

- 6.1. MAXIMUM TRAVEL DISTANCE
6.1.1. STORAGE OCCUPANCY: 400 FT
6.1.2. BUSINESS OCCUPANCY: 300 FT
6.1.3. MERCANTILE OCCUPANCY: 250 FT
6.2. MAXIMUM COMMON PATH OF TRAVEL
6.2.1. MERCANTILE OCCUPANCY: 100 FT
6.2.2. BUSINESS OCCUPANCY: 100 FT
6.2.3. STORAGE OCCUPANCY: 100 FT
6.3. DEAD END CORRIDORS
6.3.1. STORAGE OCCUPANCY: 100 FEET
6.3.2. BUSINESS OCCUPANCY: 50 FT
6.3.3. MERCANTILE OCCUPANCY: 50 FEET
7. NUMBER AND ARRANGEMENT OF MEANS OF EGRESS, INCLUDING EXIT DISCHARGE
7.1. NUMBER OF EXITS REQUIRED
7.1.1. SINGLE EXIT ROOMS AND AREAS WITH LIMITED OCCUPANT LOAD AND HAVE IN COMMON PATH OF TRAVEL WITHIN THE ALLOWABLE LIMITS
7.1.2. MINIMUM FROM ROOMS AND AREAS NOT COMPLYING WITH ABOVE: 2
7.1.3. ROOMS AND AREAS WITH AN OCCUPANT LOAD OF 501 - 1,000: 3
7.1.4. ROOMS AND AREAS WITH AN OCCUPANT LOAD > 1,000: 4
7.1.5. NOT LESS THAN TWO SEPARATE EXITS SHALL MEET THE FOLOWING CRITERIA"
7.1.5.1. THEY SHALL BE PROVIDED ON EVERY STORY.
7.1.5.2. THEY SHALL BE ACCESSIBLE FROM EVERY PART OF EVERY STORY.
7.2. ARRANGEMENT OF EXITS
7.2.1. WHERE 2 OR MORE EXITS ARE REQUIRED, THEY MUST BE SPACED APART A MINIMUM OF 1/3 THE LENGTH OF THE MAXIMUM DIAGONAL OF THE BUILDING OR AREA BEING SERVED
7.2.2. WHERE MORE THAN 2 EXITS OR EXIT ACCESS DOORS ARE REQUIRED, AT LEAST 2 OF THE REQUIRED EXITS OR EXIT ACCESS DOORS ARE TO BE ARRANGED TO COMPLY WITH THE MINIMUM SEPARATION DISTANCE REQUIREMENTS DEFINED ABOVE. THE OTHER EXITS OR EXIT ACCESS DOORS ARE TO BE LOCATED SO THAT IF ONE BECOMES BLOCKED, THE OTHERS REMAIN AVAILABLE.
7.3. EXIT DISCHARGE
7.3.1. EXITS SHALL DISCHARGE DIRECTLY TO THE BUILDING EXTERIOR
7.3.2. THE EXIT DISCHARGE SHALL PROVIDE DIRECT AND UNOBSTRUCTIVE ACCESS TO A PUBLIC WAY
7.4. EGRESS THROUGH INTERVENING SPACES
7.4.1. EGRESS FROM A ROOM OR SPACE IS NOT TO PASS THROUGH ADJOINING OR INTERVENING ROOMS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS ARE ACCESSORY; AND PROVIDE AN UNOBSTRUCTIVE PATH OF EGRESS TRAVEL TO AN EXIT
7.4.2. ACCESS TO AN EXIT IS NOT TO BE THROUGH ROOMS OR SPACES SUBJECTED TO LOCKING.

EMERGENCY PLAN AND EMPLOYEE TRAINING

- 1. THERE SHALL BE IN EFFECT AN APPROVED WRITTEN PLAN FOR THE EMERGENCY EGRESS AND RELOCATION OF OCCUPANTS
1.1. ALL EMPLOYEES SHALL BE INSTRUCTED AND PERIODICALLY DRILLED WITH RESPECT TO THEIR DUTIES UNDER THE PLAN.
1.2. DRILLS SHALL BE HELD WITH SUFFICIENT FREQUENCY TO FAMILIARIZE OCCUPANTS WITH THE DRILL PROCEDURE AND ESTABLISH CONDUCT OF THE RILL AS A MATTER OF ROUTINE.
1.2.1. PLANNING AND CONDUCTING OF DRILLS SHALL BE ASSIGNED ONLY TO A COMPETENT PERSONS QUALIFIED TO EXERCISE LEADERSHIP.
1.2.1.1. EMPHASIS SHALL BE PLACED ON ORDERLY EVACUATION RATHER THAN ON SPEED.
1.2.1.2. DRILLS SHALL BE HELD AT EXPECTED AND UNEXPECTED TIMES AND UNDER VARYING CONDITIONS TO SIMULATE THE UNUSUAL CONDITIONS THAT CAN OCCUR IN AN ACTUAL EMERGENCY.
1.2.1.3. PARTICIPANTS SHALL RELOCATE TO A PREDETERMINED LOCATION AND REMAIN AT SUCH LOCATION UNTIL RECALL OR DISMISSAL SIGNAL IS GIVEN.

IBC - INTERNATIONAL BUILDING CODE

BASIC BUILDING DESCRIPTION AND IBC ALLOWANCES

- 1. THE BUILDING IS EXISTING 2 STORY (123,000 SQUARE FEET). THE RENOVATION WILL PROVIDE A 2 STORY BUILDING HAVE A TOTAL AREA OF APPROXIMATELY 123,000 SQUARE FEET
2. BUILDING HEIGHT - APPROX. 51'0", ALLOWABLE 55'
3. TYPE IIB CONSTRUCTION EXISTING AND NEW CONSTRUCTION
4. THE BUILDING USE IS A MERCANTILE OCCUPANCY AND WILL BE FULLY SPRINKLERED.

OCCUPANCY CLASSIFICATION

- 1. COVERED MALL BUILDING (MERCANTILE, STORAGE, MECHANICAL, ELECTRICAL, ETC). THIS BUILDING IS DESIGNED AS A MIXED OCCUPANCY.

TYPE OF CONSTRUCTION

- 1. TYPE IIB

OCCUPANCY SEPARATION

- 1. NO SEPARATIONS REQUIRED.

STRUCTURAL FIRE RESISTIVE RATINGS-ASSUMED EXISTING CONSTRUCTION TYPE IIB PER TABLE 601

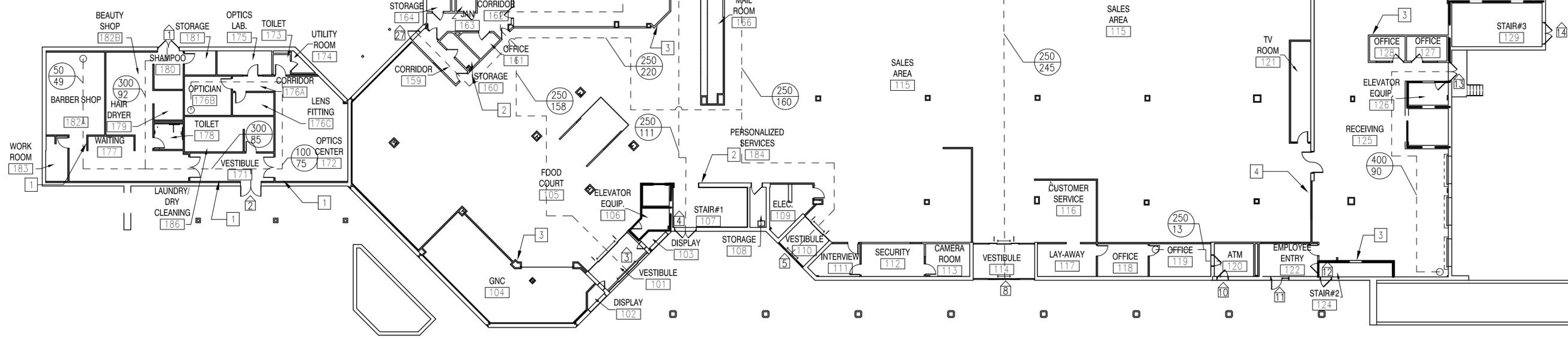
- 1. PRIMARY STRUCTURAL FRAME: 0 HOURS
2. BEARING WALLS - EXTERIOR: 0 HOURS
3. BEARING WALLS - INTERIOR: 0 HOURS
4. NONBEARING WALLS, PARTITIONS, FLOOR CONSTRUCTION, SECONDARY MEMBERS, AND ROOF CONSTRUCTION: 0 HOURS

ALLOWABLE AREA CALCULATION (TYPE IIB CONSTRUCTION)

- 1. UNLIMITED BUILDING AREA
1.1. COVERED MALL BUILDING
1.1.1. EACH TENANT SPACE SHALL BE SEPARATE FROM OTHER TENANT SPACES BY A FIRE PARTITION.
1.1.1.1. NO FIRE PARTITION IS REQUIRED TO SEPARATE TENANT SPACE FROM THE MALL.

Vertical sidebar containing project information, logos (NAFAC, IBA), and a title block with details like 'BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION' and 'LIFE SAFETY CODE ANALYSIS'.

DOOR EGRESS (FIRST FLOOR)		
DOOR NUMBER	EGRESS UTILIZATION	EGRESS CAPACITY
1	27	343
2	27	343
3	428	455
4	298	343
5	273	275
8	235	235
10	2	172
11	2	172
12	29	172
13	4	343
14	137	343
15	4	343
16	11	172
17	29	172
18	131	172
19	1	172
20	14	343
21	135	172
22	31	343
23	31	343
24	31	343
25	2	343
26	239	343
27	172	172



LIFE SAFETY FIRST FLOOR PLAN
1/16" = 1'-0"



LEGEND

- Door symbol: DOOR NUMBER (REFER TO DOOR EGRESS TABLE)
- Thick dashed line: 1 HOUR FIRE RESISTIVE RATED WALL
- Dashed line with circle: EGRESS PATH OF TRAVEL
- Circle with 'XX': MAXIMUM ALLOWABLE TRAVEL DISTANCE
- Circle with 'XX': ACTUAL TRAVEL DISTANCE

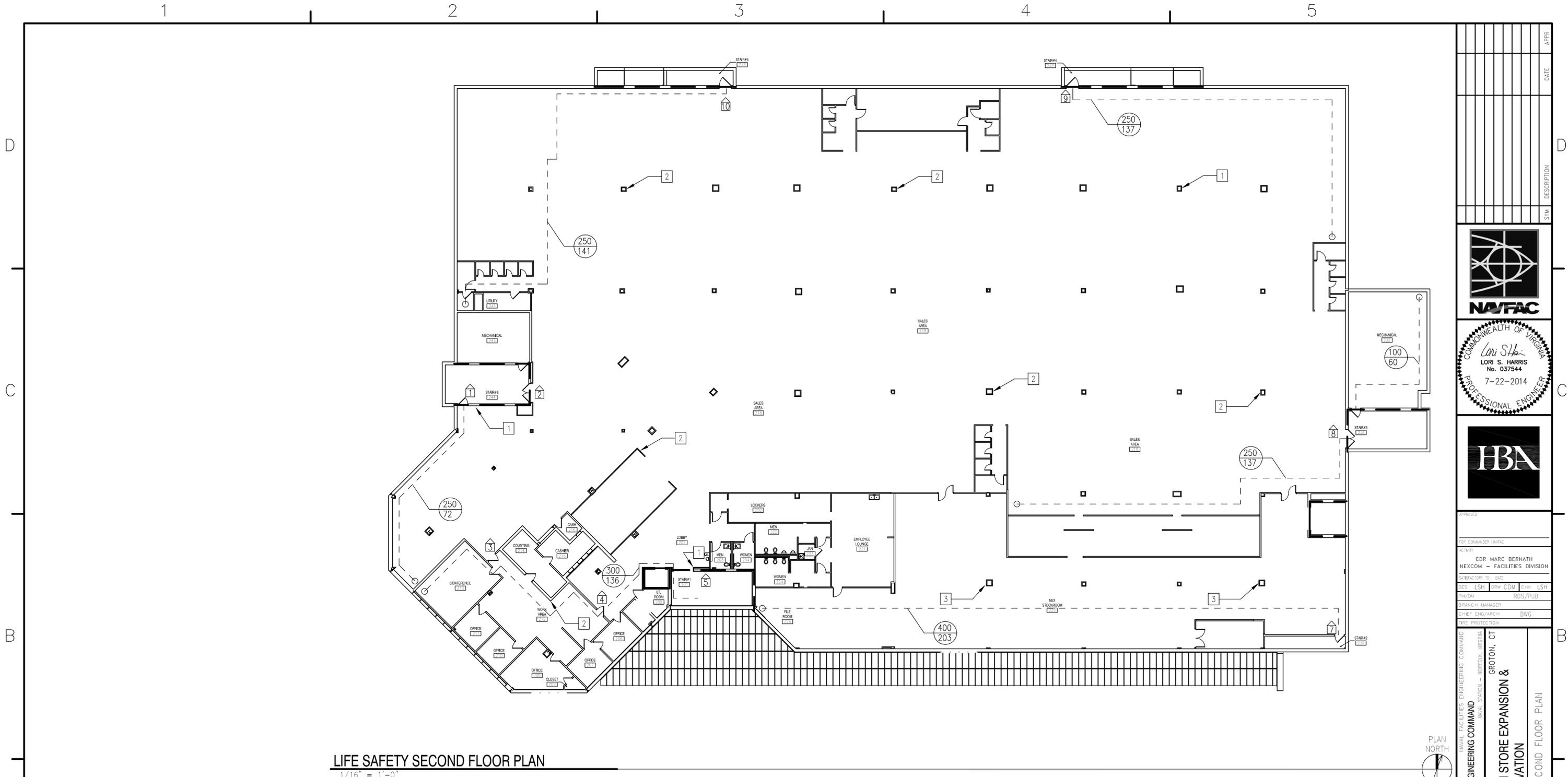
KEY NOTES

- FIRE EXTINGUISHER CABINET (NEW)
- FIRE EXTINGUISHER CABINET (EXISTING)
- FIRE EXTINGUISHER (NEW)
- FIRE EXTINGUISHER (EXISTING)

KEY PLAN

SCALE: 1/16" = 1'-0"

APPR	DATE
SYN	DESCRIPTION
APPROVED	
FOR COMMANDER NAIFAC	
ACTIVITY	CDR MARC BERNATH NEXCOM - FACILITIES DIVISION
DESIGNATORY ID - DATE	
DES: LSH / DRW: CDM / CHK: LSH	
PA/DW	RDS/PJB
BRANCH MANAGER	
CHIEF ENG/ARCH	DWG
TYPE: PROTECT/MV	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND GROTON, CT	BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION LIFE SAFETY FIRST FLOOR PLAN
SCALE: GRAPHIC	
PROJECT NO. 1305708	
CONSTR. CONTR. NO. N40085-14-C-5203	
NAIFAC DRAWING NO. 12667653	
SHEET 9 OF 236	
LS101	



LIFE SAFETY SECOND FLOOR PLAN
 1/16" = 1'-0"

LEGEND	
	DOOR NUMBER (REFER TO DOOR EGRESS TABLE)
	1 HOUR FIRE RESISTIVE RATED WALL
	EGRESS PATH OF TRAVEL
	MAXIMUM ALLOWABLE TRAVEL DISTANCE
	ACTUAL TRAVEL DISTANCE

#	KEY NOTES
1.	FIRE EXTINGUISHER CABINET (NEW)
2.	FIRE EXTINGUISHER CABINET (EXISTING)
3.	FIRE EXTINGUISHER (NEW)
4.	FIRE EXTINGUISHER (EXISTING)

KEY PLAN	
SCALE: 1/16" = 1'-0"	

APPR	
DATE	
SYN	DESCRIPTION
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	CDR MARC BERNATH NEXCOM - FACILITIES DIVISION
SUBFACTORY ID - DATE	
DES LSH	DRW CDM
CHK LSH	
RD/DM	RDS/PJB
BRANCH MANAGER	
CHIEF ENG/ARCH	DWG
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND	GROTON, CT
SUBBASE NEW LONDON	BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION
LIFE SAFETY	LIFE SAFETY SECOND FLOOR PLAN
SCALE:	GRAPHIC
PROJECT NO.	1305708
CONSTR. CONTR. NO.	N40085-14-C-5203
NAVFAC DRAWING NO.	12667654
SHEET	10 OF 236
LS102	

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OCCUPANT LOAD CALCULATION

Table with 5 columns: ROOM NAME, ROOM #, O.L.F., AREA (SF), OCCUPANT LOAD. Lists various rooms like VESTIBULE, DISPLAY, GNC, etc., with their respective occupant loads.

FIRST FLOOR OCCUPANT LOAD CALCULATION

NOT APPLICABLE

OCCUPANT LOAD CALCULATION

Table with 5 columns: ROOM NAME, ROOM #, O.L.F., AREA (SF), OCCUPANT LOAD. Lists rooms like STAIR #1, LOBBY, MEN, WOMEN, etc., with their respective occupant loads.

SECOND FLOOR OCCUPANT LOAD CALCULATION

NOT APPLICABLE

Vertical table with columns: DATE, APPR, and a grid for revision tracking.



Table with project details: PROJECT NAME (CDR MARC BERNATH NEXCOM - FACILITIES DIVISION), DATE (7-22-2014), and other identifiers.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
SUBBASE NEW LONDON
BLDG. 484 - NEX MAIN STORE EXPANSION & RENOVATION
GROTON, CT
OCCUPANT LOAD CALCULATION

Table with drawing information: SCALE (GRAPHIC), PROJECT NO. (1305708), CONSTR. CONTR. NO. (N40085-14-C-5203), NAVFAC DRAWING NO. (12667655), SHEET (11 OF 236), and drawing title (LS103).

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