



# 7N2-R

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## LIFE SAFETY NOTES:

**DOORS:**  
 EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. EXCEPTION: MAIN EXIT DOOR HAS KEY-LOCKING HARDWARE. GENERAL CONTRACTOR TO PROVIDE A READABLE VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". SIGN TO BE ONE INCH HIGH LETTERS ON CONTRASTING BACKGROUND.

**EXIT ILLUMINATION:**  
 EXITS TO BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHT HAVING INTENSITY OF NOT LESS THAN ONE FOOTCANDLE AT FLOOR LEVEL. THE POWER SUPPLY FOR EXIT ILLUMINATION HAS BATTERY BACKUP IN THE EVENT OF A POWER FAILURE.

**EXIT SIGNS:**  
 EXIT SIGNS TO BE INSTALLED AT THE REQUIRED EXITS FROM THE ROOM OR AREA AND WHEN OTHERWISE NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS. GRAPHICS, ILLUMINATION AND POWER SUPPLY SHALL COMPLY WITH CHAPTER 10 OF THE IBC.

**FLAMMABLE AND COMBUSTIBLE MATERIALS:**  
 FLAMMABLE AND COMBUSTIBLE MATERIALS WILL NOT EXCEED MAXIMUM QUANTITIES ALLOWED UNDER TABLE 3404.3.4.1 OF THE IFC OR TABLE 7902.5-B OF THE UFC. THERE WILL BE NO HIGH-PILED COMBUSTIBLE STORAGE.

**PORTABLE FIRE EXTINGUISHERS:**  
 TYPE, SIZE, NUMBER AND LOCATION OF FIRE EXTINGUISHERS SHALL BE INSTALLED ACCORDING TO LOCAL REQUIREMENTS.

**INTERIOR FINISHES:**  
 INTERIOR FINISHES TO HAVE A FLAME-SPREAD RATING OF 25 OR LESS.

**INSULATION:**  
 WALL INSULATION TO HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT RATING OF NOT MORE THAN 450. ROOF INSULATION (FOAM PLASTIC) TO HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450.

**ROOFING:**  
 ROOF COVERING SPECIFIED IS CLASS A.

**SHELVING:**  
 MAXIMUM HEIGHT OF SHELVING FIXTURES IS 12'-0" THERE IS NO "HIGH PILED STORAGE" IN THE STORE.

## BUILDING CODE ANALYSIS

DESIGN CODES: IBC 2009  
 OCCUPANCY CLASSIFICATION: GROUP M (MERCANTILE)  
 TYPE OF CONSTRUCTION: VB UNPROTECTED  
 NUMBER OF STORIES: 1 ALLOWED / 1 SHOWN  
 BUILDING AREA: 9000 ALLOWED / 7372 SHOWN  
 AREA INCREASE: NOT APPLICABLE

**EXTERIOR WALL RATINGS:**  
 EXTERIOR WALLS SHALL BE CONSTRUCTED WITH LIGHT WEIGHT CONCRETE BLOCKS CONFORMING TO NCMA TEK 7-1A 1999 STANDARDS WHICH SAY THAT 8" UNITS ARE RATED FOR 2 HOURS AND THAT IF THE CORES ARE EITHER GROUTED SOLID OR FILLED WITH VERMICULITE THEY ARE RATED FOR 4 HOURS.

**OCCUPANT LOAD FOR EGRESS:**  
 MERCANTILE: 6866 / 30 = 229

**EXITS:**  
 2 EXITS REQUIRED FOR OCCUPANT LOAD > 50  
 EXIT WIDTH :229 OCCUPANTS X .2 = 46 IN. REQUIRED  
 192 IN. PROVIDED

EXIT SEPARATION: 129\*\* = 65 FT. REQUIRED  
 120 FT. PROVIDED

\*\* MAXIMUM OVERALL DIAGONAL DISTANCE  
 MAXIMUM TRAVEL DISTANCE: 200' / 92' SHOWN

**AISLES:**  
 MINIMUM WIDTH: 36 IN. REQUIRED / 39 IN. PROVIDED (AREAS SERVING EMPLOYEES ONLY)  
 MINIMUM WIDTH: 44 IN. REQUIRED / 48 IN.(min) PROVIDED (PUBLIC AREAS)  
 MAX. DEAD END LENGTH = 20 FT. / 0 FT. SHOWN

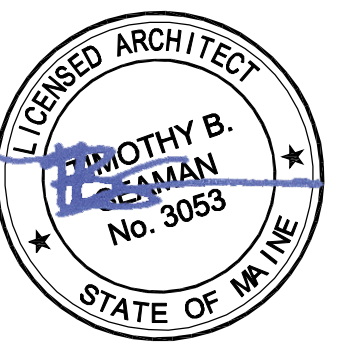
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**COVER SHEET / CODE ANALYSIS**

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