



three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

LIFE SAFETY ANALYSIS

OCCUPANCY CLASSIFICATION: NFPA - INDUSTRIAL
IBC - FACTORY F-1

CONSTRUCTION TYPE: II-A UNPROTECTED NON-COMBUSTIBLE
FULLY SPRINKLERED

STRUCTURAL FRAME: 1 HOUR RATED (0 IF SPRINKLERED)

BEARING WALLS: N/A

NON-BEARING WALLS: 0 HOUR RATED INTERIOR
1 HOUR RATED EXTERIOR WITH
≤ 10' x < 30' SEPARATION

FLOOR: N/A

ROOF: 1 HOUR RATED (0 IF SPRINKLERED)

CORRIDOR WALLS: 0 HOUR RATED
WITH NON-RATED DOORS

COLUMNS: 1 HOUR RATED (0 IF SPRINKLERED)

FIRE SUPPRESSION: SPRINKLERED THROUGHOUT PER NFPA 13
WITH QUICK RESPONSE SPRINKLERS

MINIMUM HORIZONTAL DIMENSION OF ANY
WALKWAY, LANDING OR PLATFORM:
ALLOWABLE 22'
ACTUAL 48'

IBC ALLOWABLE AREA (SF):

BASE: 25,000
SPRINKLER (INCREASE): NOT ALLOWED
YARD: 75%
25,000

ACTUAL AREA (SF +/-):
FIRST FLOOR: 6,675
TOTAL: 6,675

ALLOWABLE AND ACTUAL EGRESS DISTANCES (FT):

TRAVEL DISTANCE: ALLOWABLE 400 ANY POINT 138
COMMON PATH: 100 0
DEAD END CORRIDOR: 50 0

BUILDING HEIGHT (ACTUAL / ALLOWABLE):

STORIES: 1 / EXEMPT
FEET: 65' / EXEMPT

EXITS (ACTUAL/REQUIRED): 2/2
WIDTH (REQUIRED/ACTUAL): 36' / 72"

FIRST FLOOR OCCUPANT LOAD: ACTUAL - 6
USE/ROOM AREA NSF/PERSON LOAD
MECH 6,675 N/A N/A
(NOT REQUIRED PER LSC 101 - 7.3.1.2; USE ACTUAL NUMBER)

SMOKE ZONES: NOT REQUIRED

BASED ON:

2012 NFPA 101 LIFE SAFETY CODE AND
2012 INTERNATIONAL 2010 FLORIDA BUILDING CODE
NFPA 10 - 2010 STANDARD FOR PORTABLE FIRE EXTINGUISHER
NFPA 13 - 2010 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
NFPA 14 - 2010 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
NFPA 70 - 2011 NATIONAL ELECTRICAL CODE
NFPA 72 - 2010 NATIONAL FIRE ALARM AND SIGNALING CODE
NFPA 90A - 2012 STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTING SYSTEMS
ASHRAE STANDARDS 90.1 - 2010 ENERGY STANDARD FOR BUILDING EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
2011 VA FIRE PROTECTION DESIGN MANUAL

SPRINKLER HAZARD CLASSIFICATION: ORDINARY HAZARD

FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONSULTANTS:		ARCHITECT-OF-RECORD THOMAS H. GYLLSTROM FL REG. NO. AR0009098	ARCHITECT/ENGINEERS: AKEA INC. 3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 553-4437 COA: FL #26693 AKEA Project No. 083-14	Drawing Title LIFE SAFETY PLAN	Project Title REPLACE BOILERS - FCA D, ENERGY AT THE MALCOM RANDALL VAMC	Project Number 573-14-600 Building Number
				Approved: Project Director	Location GAINESVILLE, FLORIDA	Drawing Number LS001
					Date JULY 8, 2016	Checked THG
						Drawn JG

Office of
Construction
and Facilities
Management

