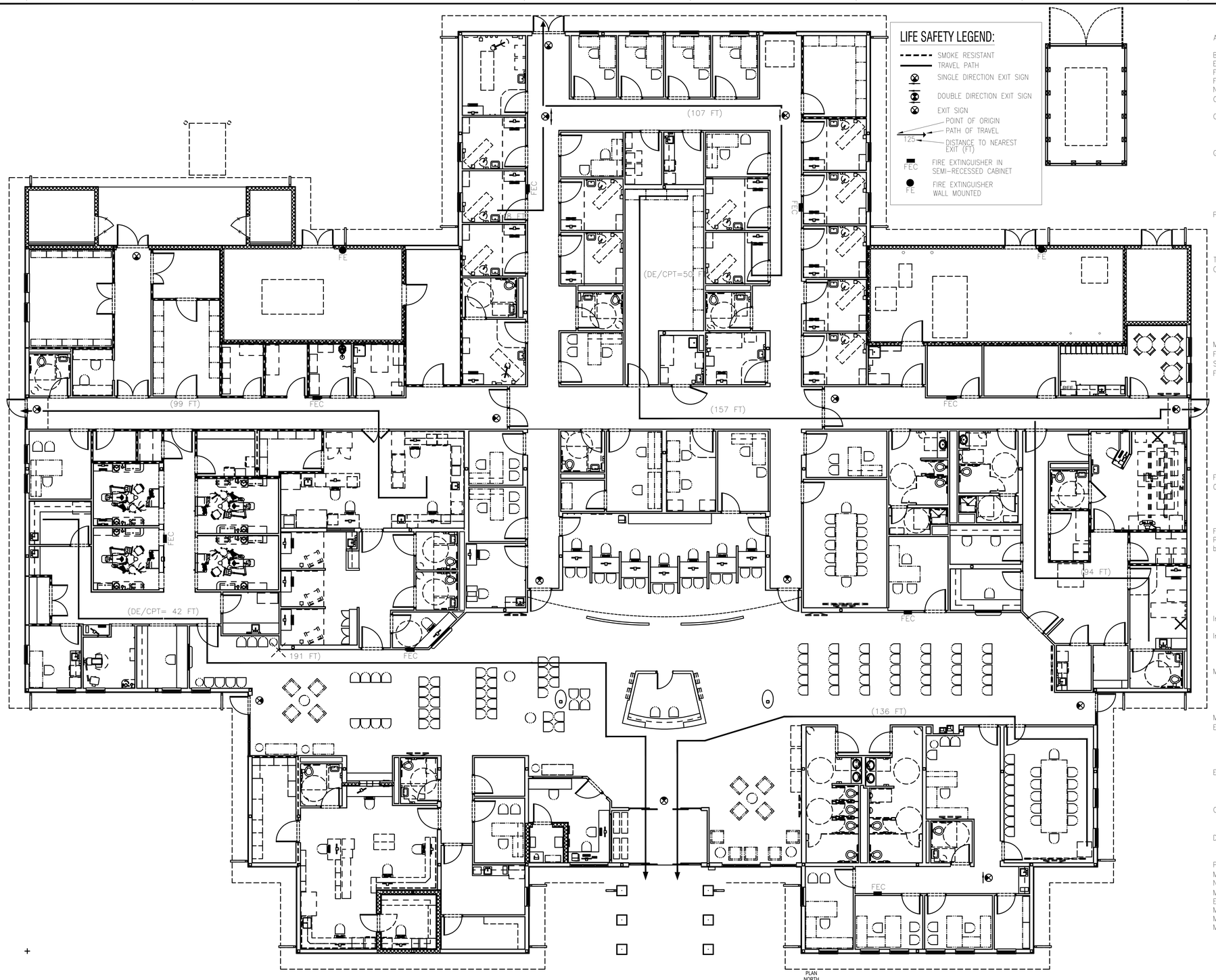

LIFE SAFETY LEGEND:

- SMOKE RESISTANT
- TRAVEL PATH
- SINGLE DIRECTION EXIT SIGN
- DOUBLE DIRECTION EXIT SIGN
- EXIT SIGN
- POINT OF ORIGIN
- PATH OF TRAVEL
- 125 — DISTANCE TO NEAREST EXIT (FT)
- FEC — FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
- FE — FIRE EXTINGUISHER WALL MOUNTED

Applicable Codes

Building Code:	2009 International Building Code
Electric Code	2011 NFPA 70 National Electric Code
Fire Code & Life Safety:	2009 NFPA 101 Life Safety Code
Fire Alarm:	2010 NFPA 72 International Fire Alarm Code
NFPA 13	2010 Standard for the Installation of Sprinkler Systems

Occupancy Classification (IBC Chapter 3 and NFPA 101)

Occupancy: Mixed Without Separation
Business Group B (IBC 304.1)
NFPA 101 Chapter 38, New Business

General Building Heights And Areas (IBC Chapter 5):
Maximum Allowable Height And Building Areas Per Table 503:
Type Of Construction: Type IIB
Max. Allowable Height, Sprinklered = 55 Feet Max.
Allowable Number Of Stories, Sprinklered: Business = 4
Max. Allowable Area Per Floor (IBC 506.3): Business = 69,000 sf

Provided Height And Building Areas:
Building Height = 39'-0"
Number Of Stories = 1
Area: 30,149 sf

Types Of Construction (IBC Chapter 6 & UFC 3-600-01):
Construction Classification (IBC 602):

Type I (A)	( )	Type III (B)	( )
Type I (B)	( )	Type IV (Ht)	( )
Type II (A)	( )	Type V (A)	( )
Type II (B)	(X)	Type V (B)	( )
Type III (A)	( )		

Mixed Construction : Yes ( ) No (X)
Fire Resistant Construction (IBC Chapter 7, UFC 3-600-01, NFPA 101):
Sprinkled: Yes (X) No ( ) Type: NFPA 13 (X) NFPA 13R ( )
Fire-Resistance Rating Requirements For Building Elements (IBC Table 601):

Assemblies/Components	Hourly Ratings	Design
Primary Structural Frame	0	N/A
Bearing Walls - Exterior	0	N/A
Bearing Walls - Interior	0	N/A
Non-Bearing Walls & Partitions - Exterior	0	N/A
Non-Bearing Walls & Partition - Interior	0	N/A
Floor Construction	0	N/A
Roof Construction	0	N/A

Fire-Resistance Rating Requirements For Exterior Walls Based On Fire Separation Distance (Ibc Table 602):
0 Hours (>30 Ft On All Sides)

X < 5 Ft	2 Hours	5 Ft ≤ X < 10 Ft	1 Hour
10 Ft ≤ X < 30 Ft	0 Hours	X ≥ 30 Ft	0 Hours

Fire Barriers (IBC NFPA 101):
Per UFC 3-600-01, load bearing walls that are fire barriers fall under the IBC, those that are non-load bearing fall under NFPA 101
Mechanical Rooms: Smoke Resistant and Sprinklers
Occupancy Separation: Not Required
Smoke Resistant - reasonably limits but does not necessarily prevent the transfer of smoke. Walls may terminate at the underside of a ceiling where joints are tight and sealed. Openings are sealed for smoke and dampers are only required for transfer grills.

Interior Finishes (NFPA 101):

Interior Wall & Ceiling Finish Requirements
Exits And Exit Access Corridors: Class A
Other Spaces: Class A, or Class B

Max. Allowable Flame Spread/Smoke Development Indexes (UFC 3-600-01):
Concealed Insulation (UFC 3-600-01, 2-7.1): Flame 75, Smoke 150
Exposed Insulation: Flame 25 (IBC 719.2) / Smoke 150 (UFC 3-600-01, 2-7.1)
Insulation @ Plenums (IMC 602.2.1): Flame 25 / Smoke 50

Means Of Egress - NFPA 101
Egress Width Per Person Served (NFPA Table 7.3.3.1):
Level Components & Ramps 0.2 Inch
Stairs 0.3 Inch
Minimum Clear Opening Of Exit Doors (NFPA 7.2.1.2.4) = 34 In.

Egress Width - Provided (NFPA 7.3.3.3):
4 Doors @ 32" / 0.2" / Person = 300 Persons
2 Doors @ 64" / 0.2" / Person = 640 Persons

Occupancy Load (NFPA Table 7.3.1.2):
Business Use 30;149 sf (1 Person / 100 sf) = 302 Persons

Door Swing (NFPA 7.2.1.4.2):
Door Shall Swing In The Direction Of Egress When Serving An Occupant Load Of 50 Or More Persons.

Panic And Fire Exit Hardware (NFPA 101): Required when Assembly Occupancy of 100 or more persons
Minimum Number Of Exits (NFPA 101 7.4.1.1): Not Less Than 2 Exits Per Story.
Number Of Exits Provided: 2 Exits
Minimum Clear Corridor/Passageway Width (NFPA 38.2.3.2) = 44 In.

Egress Limits:	Business
Max Dead End	50 ft, Actual 50 ft
Max Common Path	100 ft, Actual 50 ft
Max Travel	300 ft, Actual 191 ft

PLAN NORTH

1 / F-101 LIFE SAFETY PLAN
1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

FINAL SUBMISSION / FULLY SPRINKLERED

Revisions: Date

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Drawing Title: LIFE SAFETY PLAN

Approved Project Director

Project Title: CONSTRUCT VA OUTPATIENT CLINIC, PANAMA CITY

Location: PANAMA CITY, FLORIDA

Date: 9 APRIL 2013 | Checked: JM | Drawn: JM

Project Number: 520-326

Building Number: -

Drawing Number: F101

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231