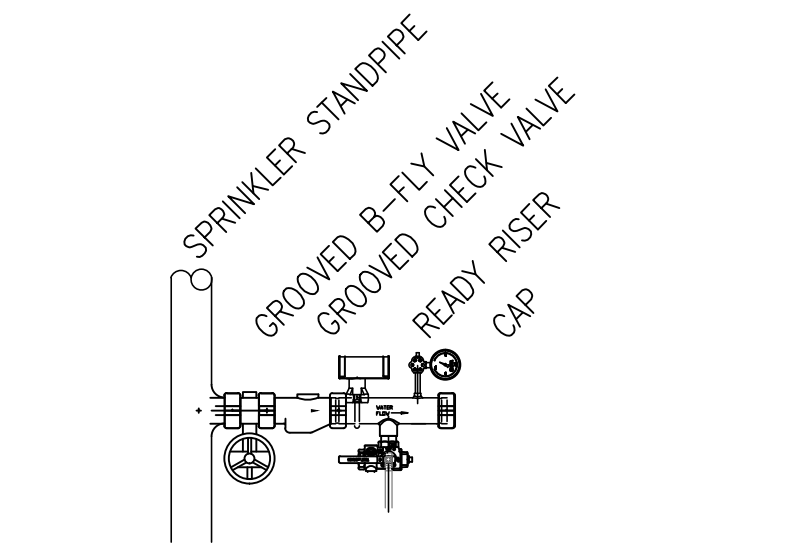


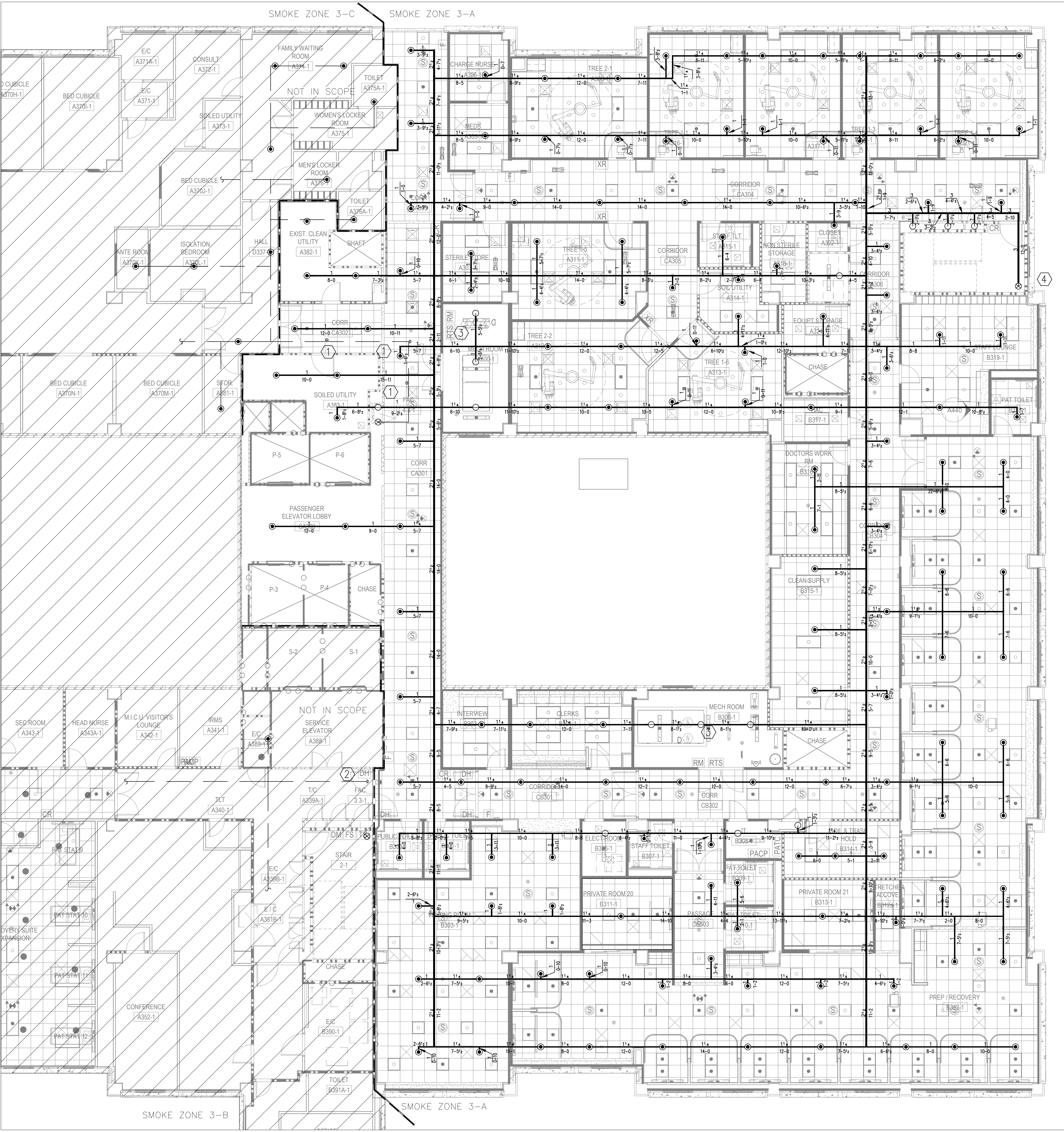
A  
three inches = one foot  
6"  
1  
one and one half inches = one foot  
6"  
2  
one inch = one foot  
6"  
3  
three quarters inch = one foot  
6"  
4  
one half inch = one foot  
6"  
5  
three eighths inch = one foot  
6"  
6  
one quarter inch = one foot  
6"  
7  
one eighth inch = one foot  
6"  
8  
one sixteenth inch = one foot  
6"  
9  
one thirty second inch = one foot  
6"

- UPRIGHT SPRINKLER
- PENDENT SPRINKLER
- ⊗ STANDPIPE
- ⋈ PIPE ETC
- ⋈ PIPE CAP
- EXISTING SPRINKLER PIPE
- NEW SPRINKLER PIPE

LEGEND



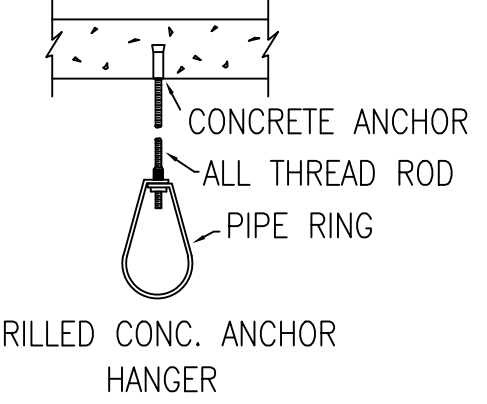
EXISTING FLOOR CONTROL ASSEMBLY



FIRE SPRINKLER PLAN  
SCALE: 1/8"=1'-0"

HANGER SPACING LEGEND		PER NFPA 13 TABLE 9.2.2.1(a) 2013 ed								
NOMINAL PIPE SIZE (IN.)		3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"
STEEL PIPE SCH 40, SCH 10, DF, EF	N/A	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"

WHERE STATIC OR OPERATING PRESSURES EXCEED 100 PSI HANGERS SHALL BE PER NFPA 13 2013 EDITION



HANGER DETAILS

1. THIS DESIGN IS FOR BID PURPOSES. IT IS INTENDED THAT PRICING SUBMITTED SHALL INCLUDE EVERYTHING REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM TO THE OWNER, WHETHER INDICATED ON THESE DRAWINGS OR NOT.
2. ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS, ACTS, ORDINANCES, AND AUTHORITIES HAVING JURISDICTION AS IDENTIFIED IN THE SPECIFICATIONS.
3. THE AWARDED CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF JOBSITE SAFETY. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY OR RISK FOR MEANS AND METHODS USED BY THE CONTRACTOR FOR THE INSTALLATION OF WORK DEPICTED ON THESE DOCUMENTS.
4. COORDINATE PIPING AND SPRINKLER INSTALLATION WITH BUILDING ELEMENTS AND OTHER TRADES. ALL PIPING SHALL BE CONCEALED UNLESS APPROVED BY THE PROJECT ARCHITECT.

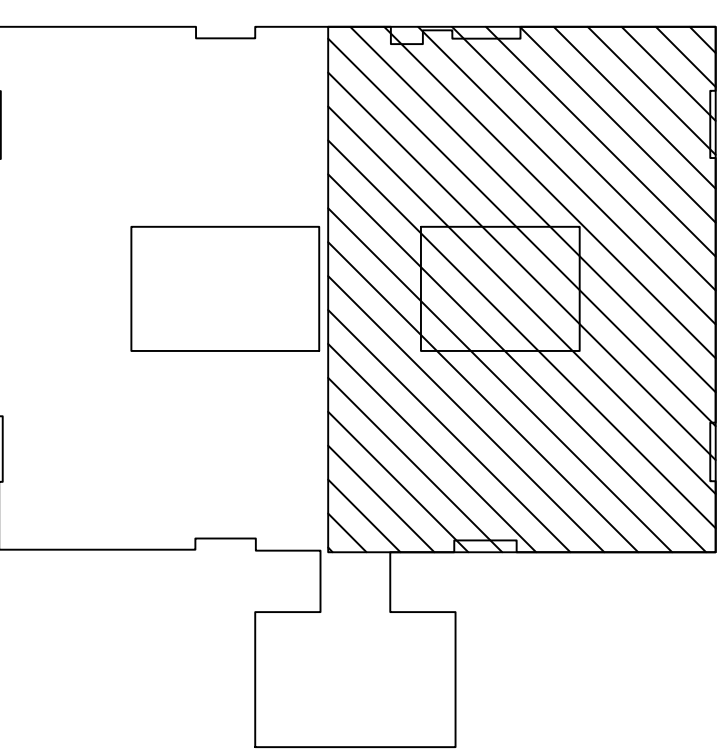
BID NOTES

1. THE AWARDED CONTRACTORS WORK SHALL CONSISTS OF THE DESIGN AND INSTALTION OF AN AUTOMATIC FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.
2. THE AWARDED CONTRACTORS WORK SHALL BEGIN AT THE EXISTING STANDPIPE INSIDE THE BLDG.
3. FP CONTRACTOR SHALL PROVIDE FOR DRAINAGE OF PIPE WHETHER INDICATED ON THESE PLANS OR NOT
4. ALL PIPING SHALL BE SCHEDULE 40 BLACK IRON.
5. SOLID HEAVY LINE WALLS ARE FULL HEIGHT RATED PARTITIONS REFER TO ARCHITECTURAL PLANS .
6. ALL SPRINKLER HEADS TO BE LOCATED IN CENTER OF TILE.

PLAN NOTES

SHEET NOTES

1. CAP EXISTING PIPE. SUPPLY TO SMOKE ZONE 3-C TO BE MAINTAINED AND EXISTING HEADS IN 3-C TO REMAIN IN PLACE.
2. CAP EXISTING PIPE. ENSURE SUPPLY TO EXISTING HEADS IN 3-B IS MAINTAINED.
3. PROVIDE SPRINKLER PROTECTION BELOW DUCTS THAT ARE GREATER THAN 4 FEET IN WIDTH.
4. EXISTING FLOOR CONTROL ASSEMBLY TO BE USED



KEY PLAN

FINAL DESIGN  
APPROVED FOR CONSTRUCTION

CONSULTANTS: <b>NEPTUNE</b> FIRE PROTECTION ENGINEERING LLC EOR: Stephen P. Kowkabayi FI License #61295 Certificate of Authorization #: 26520 60 Ocean Boulevard, Suite 303 Atlantic Beach, FL 32233 904.652.4500 PHONE		ARCHITECT-OF-RECORD THOMAS H. GYLSTROM FL REG. NO. AR0009998	ARCHITECT/ENGINEERS: <b>AKEA</b> Design, Inc. 3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 474-6324 COA: FL #29578 AKEA Project No. 110-15	Drawing Title <b>FIRE SPRINKLER PLAN</b>	Project Title <b>RENOVATE 3AB FOR GASTROENTEROLOGY AND PULMONARY</b>	Project Number <b>573-15-102</b>	Building Number <b>1</b>	Office of Construction and Facilities Management Department of Veterans Affairs
REV 1 - ADDENDUM 1 Revisions: Date		7/29/2016 Date		Approved: Project Director	Location <b>GAINESVILLE, FLORIDA</b>	Drawing Number <b>FS-103</b>	68 OF 72	
VA FORM 08-6231					Date JULY 15, 2016	Checked SFK	Drawn BAH	







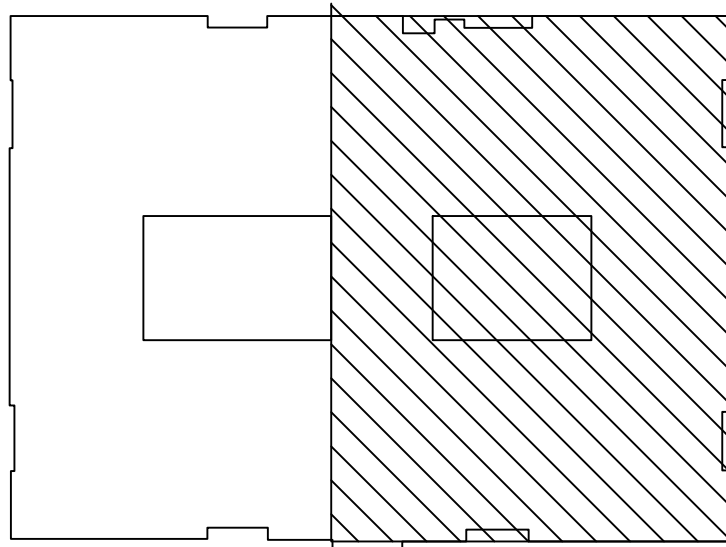
A  
three inches = one foot  
one and one half inches = one foot  
C  
one inch = one foot  
three quarters inch = one foot  
D  
one half inch = one foot  
F  
three eighths inch = one foot  
H  
one quarter inch = one foot  
J  
one eighth inch = one foot



- EVAC EMERGENCY VOICE ALARM COMMUNICATION PANEL
- RPS REMOTE POWER SUPPLY
- 2P SMOKE DETECTOR (PHOTOELECTRIC)
- 2P DUCT SMOKE DETECTOR (PHOTOELECTRIC)
- RTS REMOTE TEST STATION WITH RESET SWITCH
- P PULL STATION
- M MONITOR MODULE
- R RELAY MODULE
- TAMPER SWITCH
- FLOW SWITCH
- 15 STROBE (NUMBER INDICATES CANDELA)
- 1 1/4 SPEAKER WITH STROBE (NUMBERS INDICATE CANDELA & WATTAGE)
- 1 1/4 SPEAKER ONLY (NUMBERS INDICATE WATTAGE)
- DOOR HOLDER (24VDC)

- AREA NOT IN CONTRACT
- SMOKE AREA BOUNDARY





LEGEND



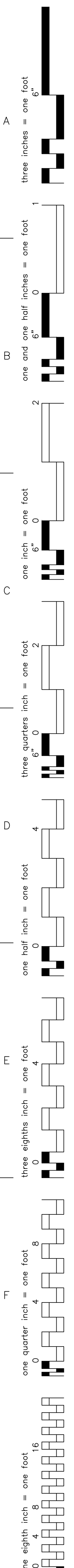
KEY PLAN

EXISTING FIRE ALARM FLOOR PLAN

FINAL DESIGN  
APPROVED FOR CONSTRUCTION

		CONSULTANTS:		ARCHITECT-OF-RECORD THOMAS H. GYLSTROM		FL REG. NO. AR0009098		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management			
								 3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 474-6324 COA: FL #29578 AKEA Project No. 110-15		EXISTING FIRE ALARM PLAN		RENOVATE 3AB FOR GASTROENTEROLOGY AND PULMONARY		573-15-102					
REV 1 - ADDENDUM 1		7/29/2016								Approved: Project Director		Location GAINESVILLE, FLORIDA		Building Number 1					
Revisions:		Date										Drawing Number FA-102		70 OF 72					
												Date JULY 15, 2016		Checked SPK				Drawn BAH	
																		 Department of Veterans Affairs	

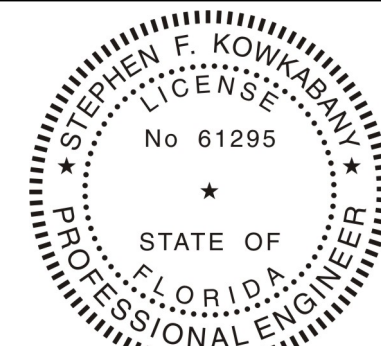




- 
- A  
B  
C  
D  
E  
F



**NEPTUNE**  
FIRE PROTECTION ENGINEERING LLC  
EOR: Stephen F. Kowkabany FI License #61295  
Certificate of Authorization #: 26520  
60 Ocean Boulevard, Ste 15  
Atlantic Beach, FL 32233  
904 652 4200 PHONE



FL. REG. M  
AR0009098

**AKEA** Design, Inc.

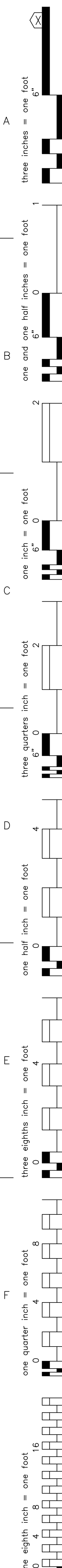
3603 NW 98th Street, Suite 100  
Gainesville, FL 32606  
Phone: (352) 474-6124  
Fax: (352) 474-6324  
COA: FL #29578  
AKEA Project No. 110-15

Approved: Project Director

Drawn	BAH
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FA-103  
71 OF 72 Department of  
Veterans Affairs

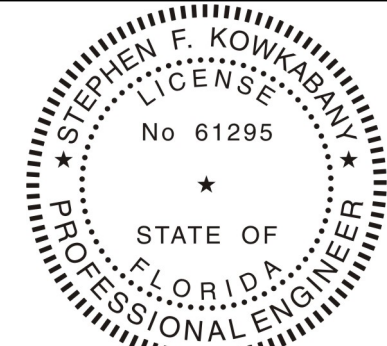




0 8' 16'

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

**NEPTUNE**  
FIRE PROTECTION ENGINEERING LLC  
EOR: Stephen F. Kowkabany FI License #61295  
Certificate of Authorization #: 26520  
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COA: FL #29578  
AKEA Project No. 110-15

LIFE SAFETY PLAN

Project Title  
RENOVATE 3AB FOR  
GASTROENTEROLOGY AND  
PULMONARY

Date

Drawn

573 15 102

Building Number

LS-101

72 OF 72

Office of  
Construction  
and Facilities  
Management



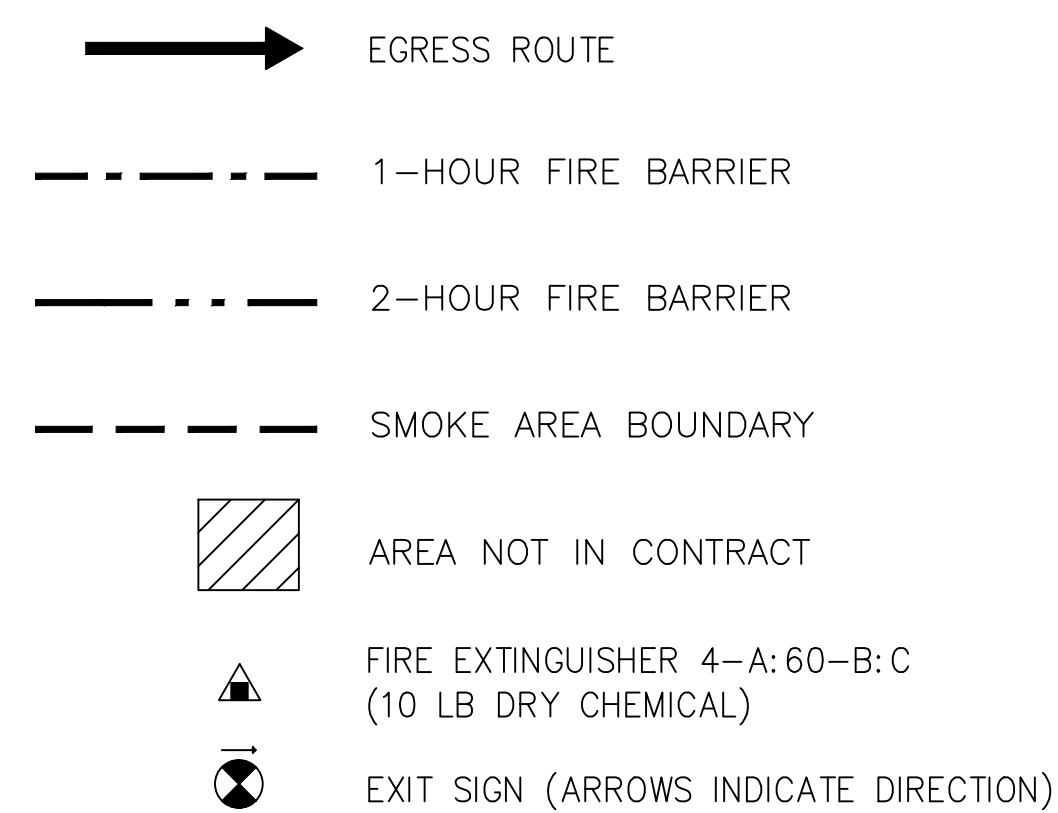
Scope of work: The purpose of this project is to provide a detailed code summary for the 3rd Floor renovation. The analysis review the codes associated with the life safety systems in the building including egress width, occupant load, fire sprinkler protection, fire alarm, and storage arrangements.

Where requirements of the FBC, FFPC, and NFPA conflict with each other, the more stringent has been applied

<b>I-2 Fire Protection Systems</b>	<b>Required</b>	<b>Actual</b>	<b>Code</b>	<b>Section/Table</b>
Automatic Sprinkler System	Yes	Provided	FBC	903.2.6
Fire Extinguishers	Yes	Provided	FBC	906.1
Fire Alarm System	Yes	Provided	FBC	907.2.6
Occupant Notification	Yes	Yes	FBC	907.5

Occupant Loads	Ft <sup>2</sup> /Person	# People	Code	Section/Table
Inpatient Treatment Areas (I-2)	240	73	FBC	1004.1.2
Total Occupant Load		73		

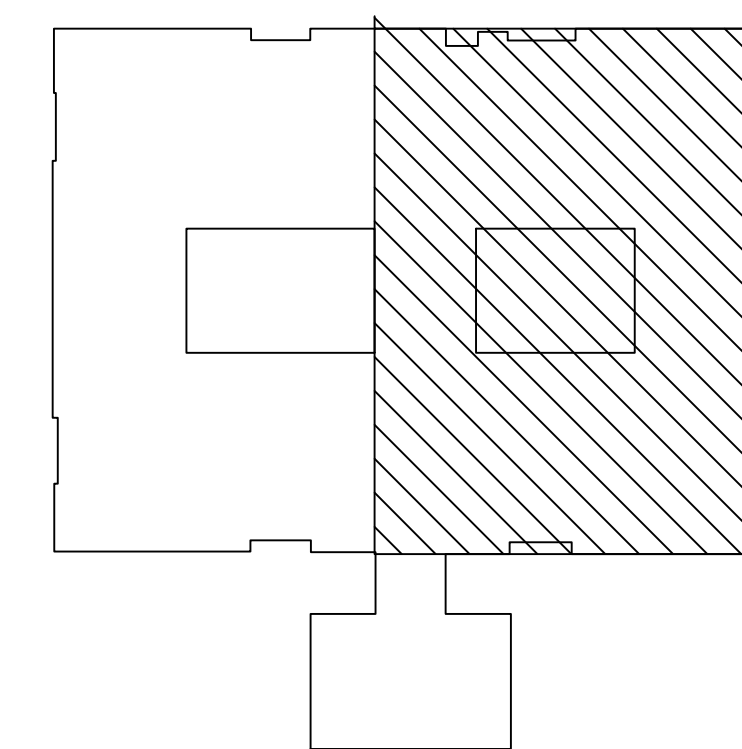
Egress/Exiting	Required	Actual	Code	Section/Table
Stairway Width (inches)	44	53	FBC	1009.4
Corridor Width (inches)	96	96 Minimum	FBC	1018.2
Door Width (inches)	32	36	FBC	1008.1.1
Emergency Lighting	Yes	Provided	FBC	1006.1
I-2 Exit Access Travel Distance (feet)	200	192	FBC	Table 1016.1
Dead Ends (feet)	20	NA	FBC	1018.4(2)
I-2 Common Path of Travel (feet)	75	54	FBC	1014.3



## LEGEND

 SHEET NOTES

1. EXIT ACCESS TO BED TOWER
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## KEY PLAN

FINAL DESIGN  
APPROVED FOR CONSTRUCTION