

CODE REVIEW SUMMARY

APPLICABLE CODE: 2012 NFPA 101
2011 VA FIRE PROTECTION MANUAL
SEE GI-001 FOR OTHER APPLICABLE CODES

CONSTRUCTION TYPE: TYPE II, FULLY SPRINKLERED (NFPA)
I-2, FULLY SPRINKLERED (IBC)

OCCUPANCY: NEW HEALTHCARE (NFPA 101 CHAPTER 8)

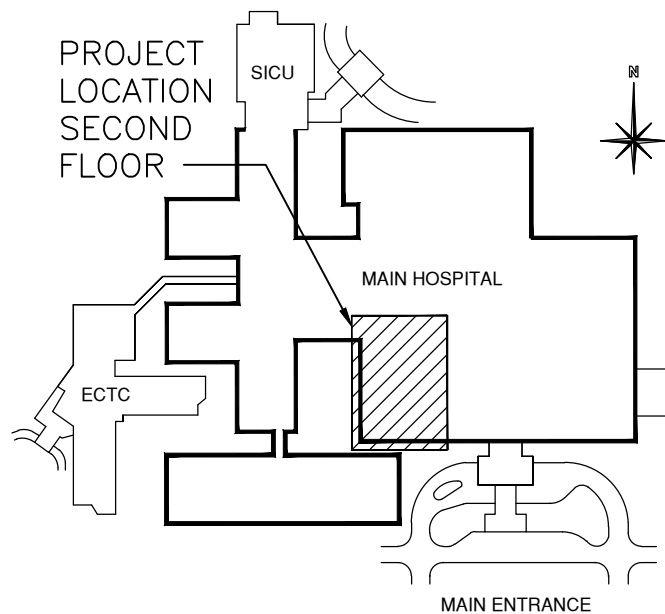
AREA: GROSS AREA: 7,674 SF - NON-SLEEPING SUITE
(NFPA 101 SECTION 18.2.5.7.3)
MAX. ALLOWABLE SUITE SIZE: 10,000 SF
(NFPA 101 SECTION 18.2.5.7.3.4)

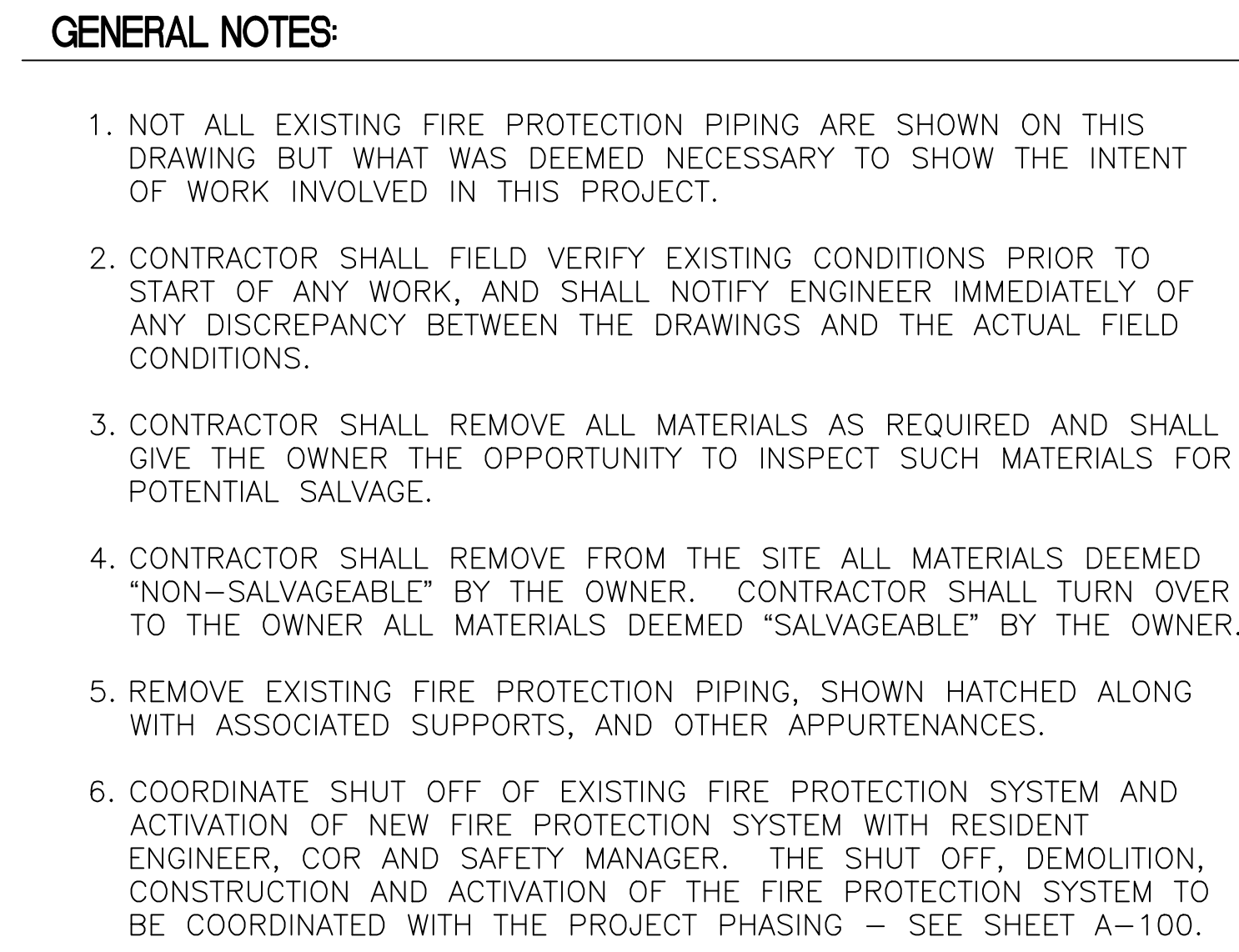
EGRESS: 1 EXIT REQUIRED FOR SUITE < 2,500 SF
(NFPA 101 SECTION 18.2.5.7.3.2B)
2 EXITS REQUIRED FOR SUITE > 2,500 SF
(NFPA 101 SECTION 18.2.5.7.3.2C)
MAX. TRAVEL DISTANCE TO EXIT: < 200'
(NFPA 101 SECTION 18.2.5.7.3.4B)

LIFE SAFETY PLAN LEGEND

- SMOKE PARTITION
- FIRE WALLS
- FIRE/SMOKE WALLS - 1HR
- FIRE/SMOKE WALLS - 2HR
- EGRESS ROUTES
- SMOKE DETECTOR
- CEILING: NON-RATED SMOKE PARTITION

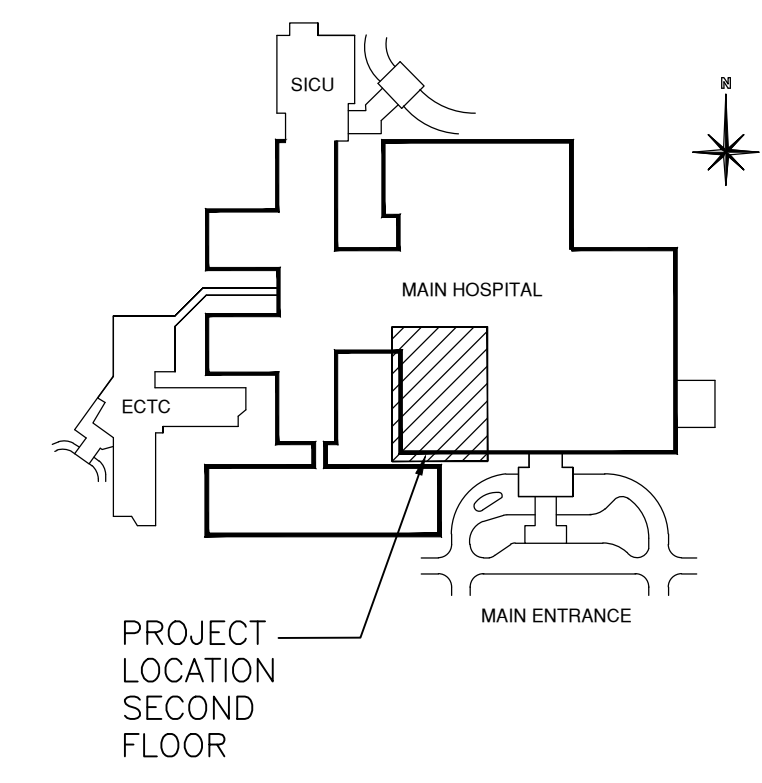
1 SECOND LEVEL LIFE SAFETY PLAN
SCALE: 1/8"=1'-0"





KEYED NOTES

- ① PHASE 1 & 3 (RE: SH. A 100) – DEMO WORK SHOWN AS HATCHED AREA – 2ND FLOOR. REMOVE ALL FIRE SPRINKLER HEADS AND PIPING IN THIS AREA. (RETAIN SPRINKLER HEADS THAT ARE REMOVED FOR THE OWNER) CAP EXISTING PIPE TO REMAIN FOR FUTURE USE.
- ② PHASE 2 (RE: SH. A 100) – DEMO WORK SHOWN AS HATCHED AREA – 2ND FLOOR. REMOVE ALL FIRE SPRINKLER HEADS AND PIPING IN THIS AREA. (RETAIN SPRINKLER HEADS THAT ARE REMOVED FOR THE OWNER) CAP EXISTING PIPE TO REMAIN FOR FUTURE USE.



1 SECOND LEVEL FIRE PROTECTION DEMOLITION PLAN NORTH
SCALE: 1/8"=1'-0"

Revision		Date	 <p>Audie L. Murphy Memorial Veterans Hospital 7400 Merton Minter San Antonio, Texas 78229</p>		SAUNDERS ARCHITECTS - ENGINEERS											Approved: Chief, Maintenance and Operations	Approved: Utility Management Supervisor	Drawing Title	Project Title	Date	<div style="writing-mode: vertical-rl; transform: rotate(180deg);">American Architecture</div>				
					IH 10 West, Suite 1500											Approved: Chief, Engineer	Approved: Safety Manager	SECOND LEVEL FIRE PROTECTION DEMOLITION PLAN	NUCLEAR MEDICINE RELOCATION	01/04/2013					
					San Antonio, Texas 78230															Scale:		Drawing No.			
					Tele: 877-275-7126															1/8"=1'-0"			FD-101		
Project No.																Designed By	Contract No.	DS	MZ	Drawn By				SAN ANTONIO, TEXAS	
																Checked By	VA257-P-0249								
													Approved: Environment of Care Manager	Project No.	671-11-712	Location									
													Approved: Facilities Service Line Manager	Building No.	-	AutoCAD File Name	E-103.DWG								

ELECTRONIC SAFETY AND SECURITY SYMBOLS

- ALARM, FIRE, TERMINAL CABINET.

ALARM, FIRE, POST INDICATOR VALVE.

ALARM, TRANSPONDER OR TRANSMITTER

ALARM, FIRE, MANUAL PULL STATION

ALARM, GONG

ALARM, HORN/LIGHT, ONE ASSEMBLY

ALARM, HORN/LIGHT, ONE ASSEMBLY WITH CHIME

ALARM, HORN/LIGHT, SEPARATE ASSEMBLY

ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE

ALARM, MANUAL CONTROL

ALARM, MINI HORN

ALARM, SPRINKLER SYSTEM WATER FLOW BELL

ALARM, VOICE COMMUNICATION PANEL

ALARM, TAMPER SWITCH

DETECTION, GAS

DETECTION, SMOKE CONTROL AND PRESSURE PANEL

DETECTION SWITCH, ABORT

DETECTION SWITCH, VALVE TAMPER

DETECTOR, FLAME FLICKER

DETECTOR, FLOW SWITCH

DETECTOR, HEAT

DETECTOR, HEAT; LETTER INDICATES AS FOLLOWS:
R/T = COMBINATION F = FIXED TEMPERATURE RISE
R/C = RATE COMPENSATION R = RATE OF

DETECTOR; LETTER INDICATES AS FOLLOWS:
BLANK = SMOKE DETECTOR
H = HEAT SMOKE
I = IONIZATION SMOKE
P = PHOTOELECTRIC SMOKE
IH = IONIZATION AND HEAT SMOKE
IP = IONIZATION AND PHOTOELECTRIC SMOKE
PH = PHOTOELECTRIC AND HEAT SMOKE
IPH = IONIZATION, PHOTOELECTRIC, AND HEAT

DETECTOR, SMOKE, FOR DUCT

DETECTOR, SWITCH LEVEL

FIRE ALARM STATION, MANUAL PULL

FIRE ALARM LINE = FA

ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET

CITY FIRE ALARM MASTER STATION MTD 5'-6" [1676mm] AFF UNLESS NOTED.

FIRE ALARM TRANSMITTER (BASE LOOP) NUMERALS DENOTE CODE.

FIRE ALARM TROUBLE TRANSMITTER (BASE LOOP) NUMERALS DENOTE CODE.

WET PIPE SYSTEM

DRY PIPE SYSTEM

SPRINKLER HEAD

RECESSED-FLUSH MOUNTED FIRE EXTINGUISHER CABINET

PROJECT AREA (REGION OF NEW, INTERSTITIAL FIRE PROOFING)
- three inches = one foot

one and one half inches = one foot

one inch = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

one half inch = one foot

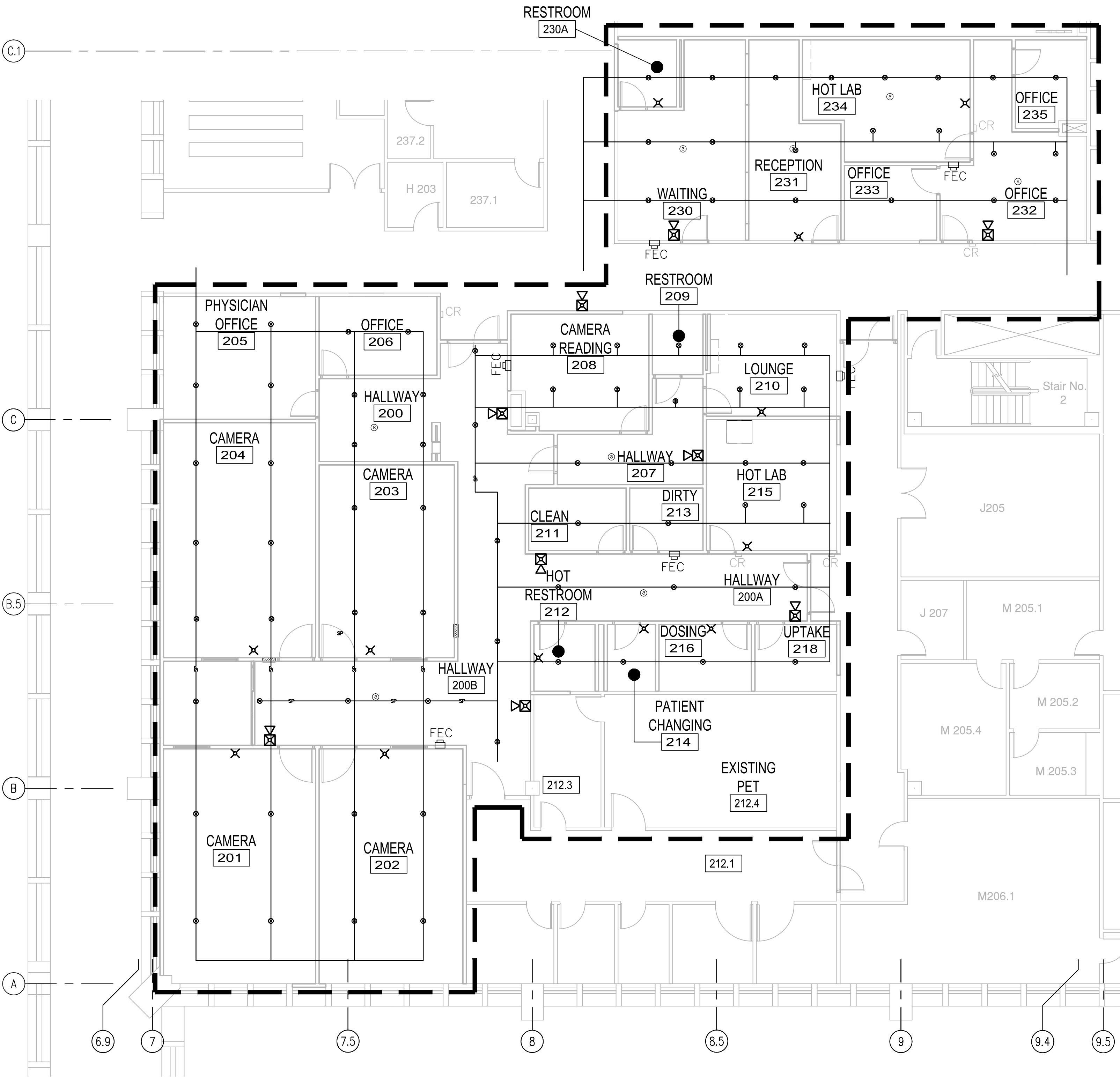
three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

GENERAL NOTES:

1. NOT ALL EXISTING FIRE PROTECTION PIPING ARE SHOWN ON THIS DRAWING BUT WHAT WAS DEEMED NECESSARY TO SHOW THE INTENT OF WORK INVOLVED IN THIS PROJECT.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF ANY WORK, AND SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS.
3. CONTRACTOR SHALL REMOVE ALL MATERIALS AS REQUIRED AND SHALL GIVE THE OWNER THE OPPORTUNITY TO INSPECT SUCH MATERIALS FOR POTENTIAL SALVAGE.
4. CONTRACTOR SHALL REMOVE FROM THE SITE ALL MATERIALS DEEMED "NON-SALVAGEABLE" BY THE OWNER. CONTRACTOR SHALL TURN OVER TO THE OWNER ALL MATERIALS DEEMED "SALVAGEABLE" BY THE OWNER.
5. COORDINATE SHUT OFF OF EXISTING FIRE PROTECTION SYSTEM AND ACTIVATION OF NEW FIRE PROTECTION SYSTEM WITH RESIDENT ENGINEER, COR AND SAFETY MANAGER. THE SHUT OFF, DEMOLITION, CONSTRUCTION AND ACTIVATION OF THE FIRE PROTECTION SYSTEM TO BE COORDINATED WITH THE PROJECT PHASING - SEE SHEET A-100.
6. FIRE ALARMS TO BE PLACED IN CONDUIT
7. QUICK RESPONSE FIRE HEADS REQUIRED THROUGH OUT PROJECT.
8. DRY PIPE SYSTEM REQUIRED FOR ROOMS 201,202,203,204
9. INSTALL FIRE EXTINGUISHERS AS SHOWN.
10. ALL NEW FIRE EXTINGUISHER CABINETS TO BE RECESSED FLUSH MOUNTED
11. PROVIDE NEW FIRE ALARM DEVICES, CABLING & SMOKE DETECTORS AND AUDIO/VISUAL AND VISUAL DEVICES AS REQUIRED TO BE IN COMPLIANCE W/ NFPA 72 AND VAMC STANDARDS. NEW DEVICES SHALL INTERFACE W/ EXISTING BUILDING WIDE FIRE ALARM SYSTEM.
12. ALL REQUIRED PERMITS THAT NEED TO BE SECURED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13. CONTRACTOR SHALL FOLLOW ALL VAMC DESIGN GUIDLINES AS WELL AS ALL LOCAL, REGIONAL, AND NATIONAL CODES TO ENSURE THE SYSTEM IS PROVIDED IN FULL COMPLIANCE.
14. CONTRACTOR SHALL COORDINATE W/ VAMC FOR INTERCONNECTION W/ EXISTING SYSTEM.
15. CONTRACTOR SHALL SPRAY APPLY FIREPROOFING TO ALL STRUCTURAL ELEMENTS (COLUMNS, BEAMS, PURLINS, JOISTS, COMPOSITE DECKING, ETC.) WITHIN LEVEL 2 INTERSTITIAL SPACE TO REMAIN WITHIN PROJECT AREA.
16. FIRE SUPPRESSION CONTRACTOR TO COORDINATE THE LOCATION AND ROUTING OF THE FIRE SPRINKLER SYSTEM AND ITS COMPONENTS WITHIN THE INTERSTITIAL SPACE AND CEILING WITH ALL OTHER BUILDING SYSTEMS (I.E. MECHANICAL, PLUMBING, ELECTRICAL, ETC...) WITHIN THE SAME SPACE AND CEILING. CONTACT THE FIRE SUPPRESSION ENGINEER AND GENERAL CONTRACTOR WITH ANY KNOWN OR FOUND DISCREPANCIES AND CONFLICTS PRIOR TO CONSTRUCTION.



1 SECOND LEVEL FIRE PROTECTION PLAN
SCALE: 1/8"=1'-0"

