



**FIRST FLOOR - FIRE PROTECTION PLAN**  
1/8" = 1'-0"

Revisions	Date

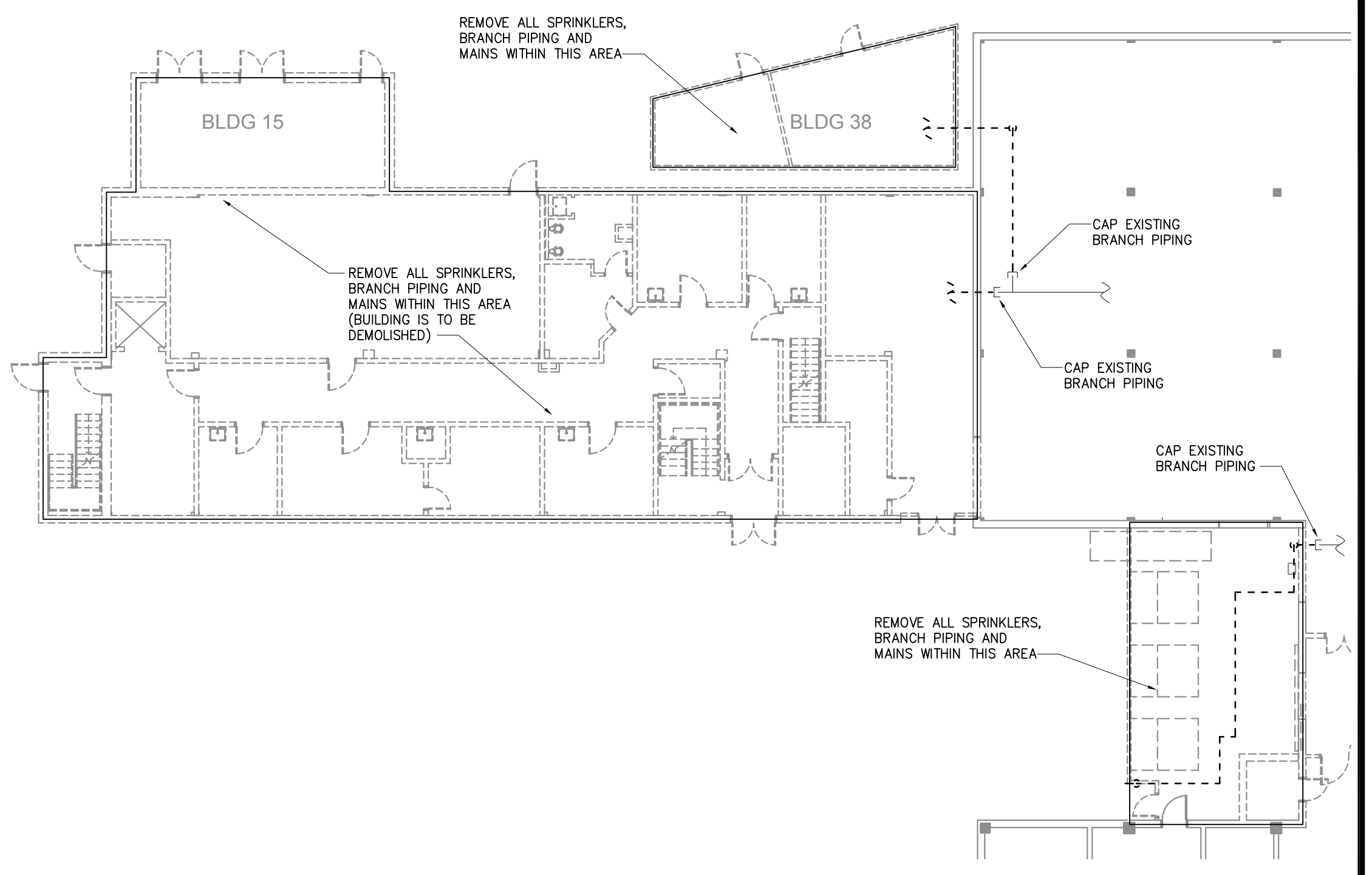
**SHIVEHATTERY**  
ARCHITECTURE+ENGINEERING  
2834 Northgate Drive | Iowa City, Iowa 52245  
319.354.3040 | fax: 319.354.6921 | shive-hattery.com  
Iowa | Illinois | Missouri

Drawing Title	<b>FIRST FLOOR FIRE PROTECTION PLAN</b>		
Approved: Division Chief			
Approved: Service Director			

Project Title	<b>RENOVATE AND EXPAND SPACE FOR PATIENT SUPPORT AREAS</b>		
Building Number	2	Checked TRF	Drawn MSJ
Location	IOWA CITY VA HEALTH CARE SYSTEM IOWA CITY, IOWA		

Date	12-17-2012 CONSTRUCTION DOCUMENTS		
Project No.	DVA#636-311 S-H#110240-0		
DRAWING NO.	<b>2-F1</b>		
Dwg.	23 Of 24		

**Veterans  
Administration**



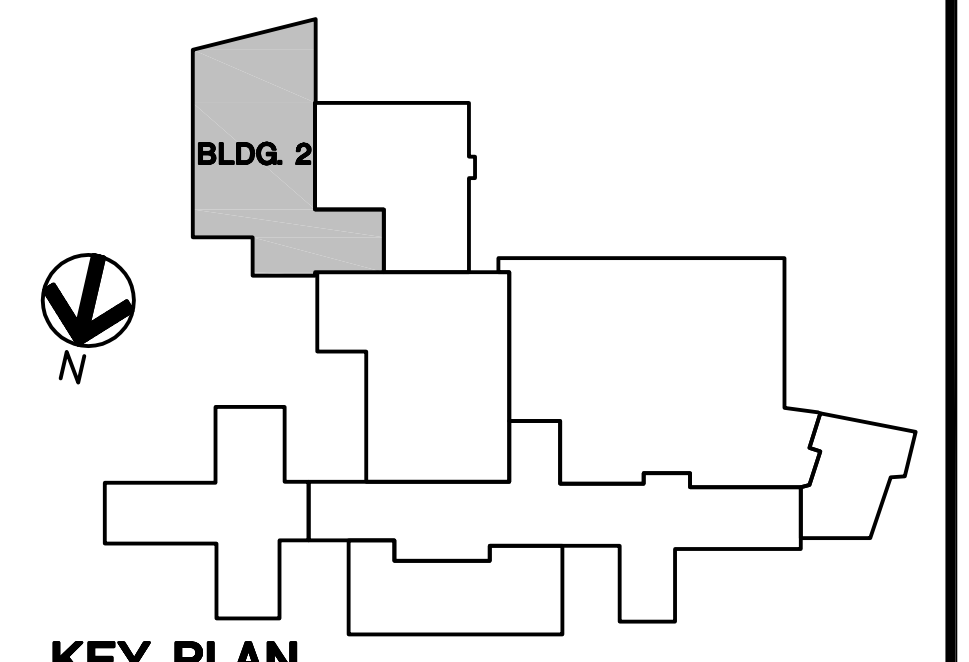
**FIRST FLOOR - FIRE PROTECTION DEMOLITION PLAN**  
1/16"=1'-0"

**FIRE PROTECTION NOTES:**

1. PIPING IS SHOWN IN SCHEMATIC FORM; ROUTE AS REQUIRED FOR CLEARANCE WITH EXISTING CONDITIONS AND OTHER TRADES.
2. PIPE REDUCTIONS ON HORIZONTAL PIPING GOING FROM LARGER TO SMALLER SHALL BE MADE WITH ECCENTRIC REDUCERS. TOP FLAT FOR LIQUID SYSTEMS. CONCENTRIC REDUCERS MAY BE USED FOR FLOW GOING FROM SMALL TO LARGER SIZE PIPE.
3. FIRE SAFE ALL PIPE PENETRATIONS PER UL AT RATED WALLS/FLOORS.
4. FLOOR/WALL/CEILING PENETRATIONS REQUIRED FOR PIPING INSTALLATION SHALL BE CLEANLY BORED AT RIGHT ANGLES. AS NEW PIPING IS INSTALLED, NEW PENETRATIONS SHALL BE NEATLY CAULKED TO FILL VOID. EXPOSED WALL PENETRATIONS SHALL BE FINISHED WITH ESCUTCHEONS.
5. COORDINATE LOCATION OF ALL PIPING REQUIREMENTS WITH OTHER TRADES.
6. SPRINKLER SYSTEMS SHALL BE BASED ON THE FOLLOWING DESIGN CRITERIA.
  - A. CORRIDORS, OFFICES AND LIGHTLY LOADED NON-STORAGE AREAS: 0.10 GPM/SQ FT OVER 1500 SQ FT, INCLUDE 250 HOSE ALLOWANCE.
  - B. MECHANICAL, ELECTRICAL AND STORAGE AREAS WITH ORDINARY COMBUSTIBLES (LESS THAN 10 FT HIGH): 0.20 GPM/SQ FT OVER 2500 SQ FT, INCLUDE 250 GPM HOSE ALLOWANCE.
8. SPRINKLER PIPING TO BE ROUTED IN AREAS WITH NO CEILINGS (REFER TO REFLECTED CEILING PLAN) SHALL BE EXPOSED AND THE SPRINKLER HEADS SHALL BE QUICK RESPONSE UPRIGHT TYPE. SPRINKLER HEADS LOCATED WITHIN MECHANICAL ROOMS, ELECTRICAL ROOMS OR STORAGE ROOMS SHALL BE PROVIDED WITH A GUARD.
9. SPRINKLER PIPING TO BE ROUTED IN AREAS WITH ACoustICAL LAY-IN CEILINGS (REFER TO REFLECTED CEILING PLAN) SHALL BE ROUTED ABOVE THE CEILING AND THE SPRINKLER HEADS SHALL BE QUICK RESPONSE SEMI-RECESSED PENDANT TYPE WITH ADJUSTABLE ESCUTCHEON.
10. EXISTING SPRINKLERS SHALL REMAIN IN SERVICE THROUGHOUT THE COURSE OF THE PROJECT. DOWNTIME OF THE SERVICE SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH THE OWNER.

**LEGEND**

THE SHADED AREA DENOTES SPACES TO BE SPRINKLERED TO MEET NFPA 13.



**KEY PLAN**  
NOT TO SCALE

**2-1**



