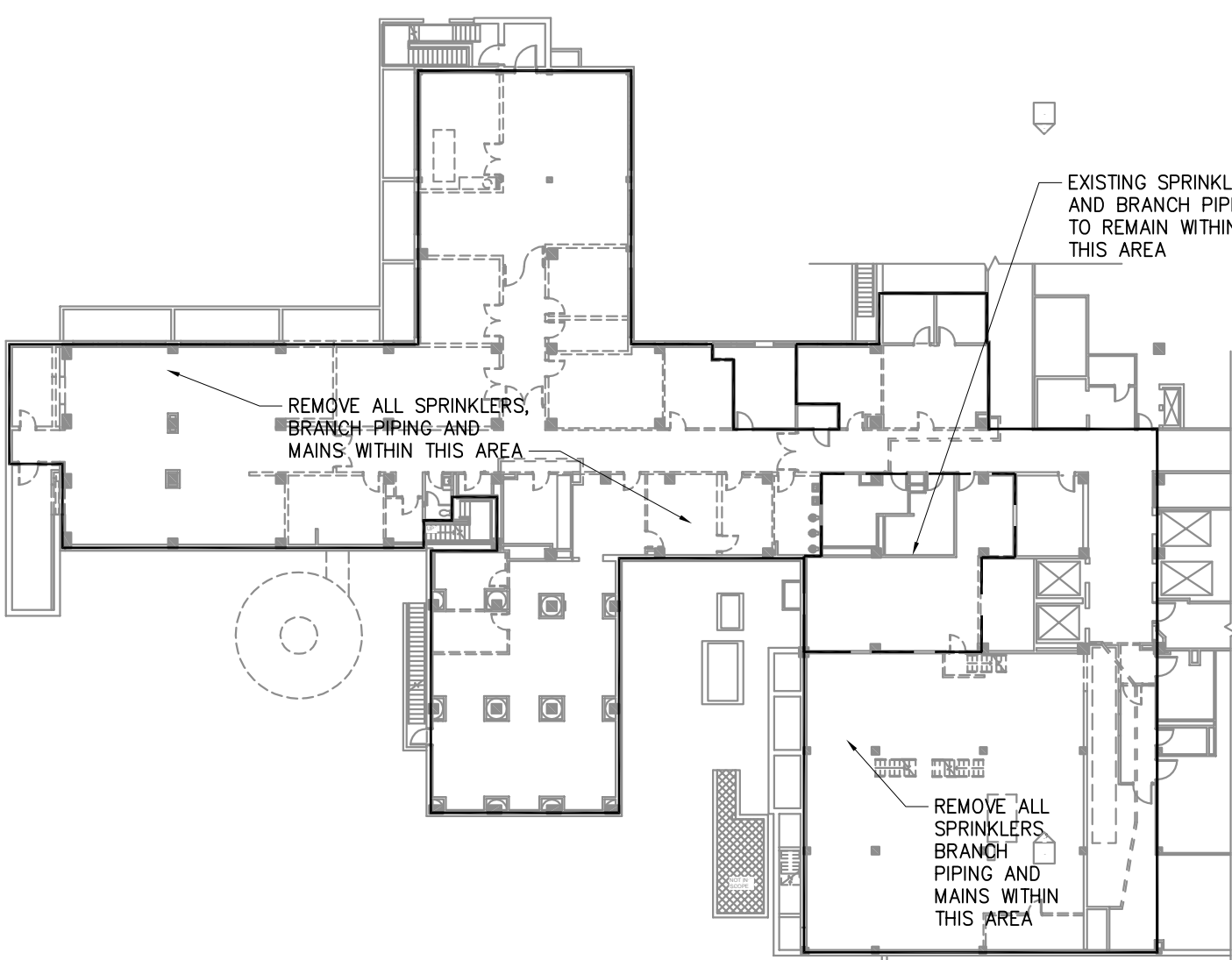
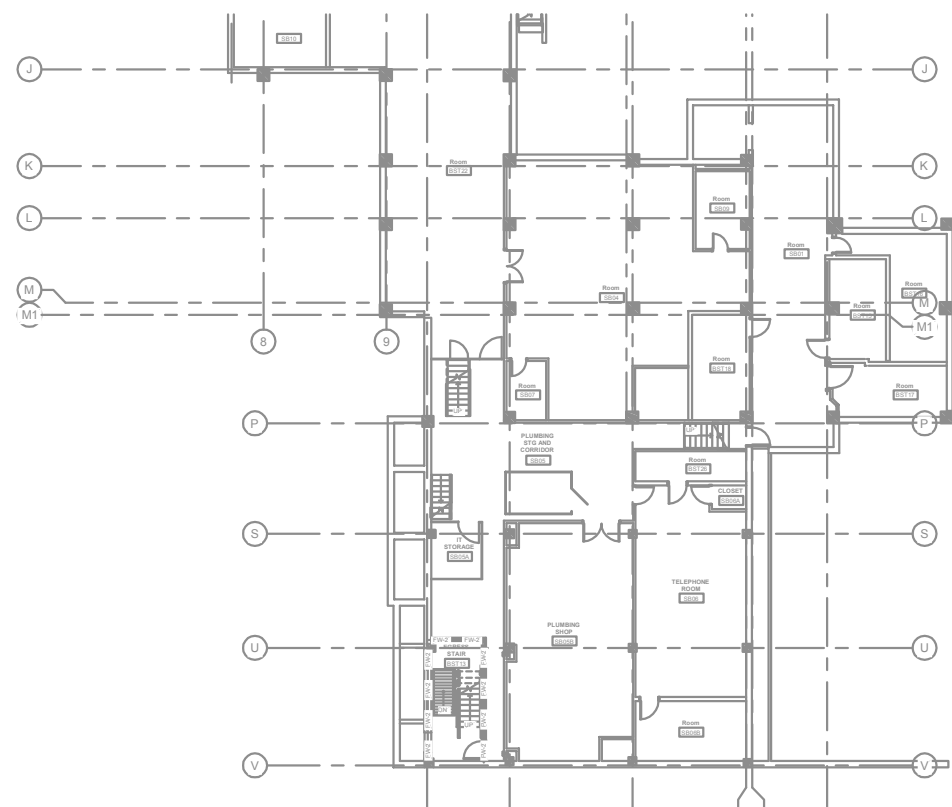


SPRINKLERS SHALL BE INSTALLED BELOW LARGE DUCTS AND/OR AIR HANDLING UNITS AS REQUIRED TO PROVIDE PROPER COVERAGE. COORDINATE WITH SHEET 1-B-H2 AND MECHANICAL CONTRACTOR.



FIRE PROTECTION DEMOLITION PLAN  
1/32"=1'-0"



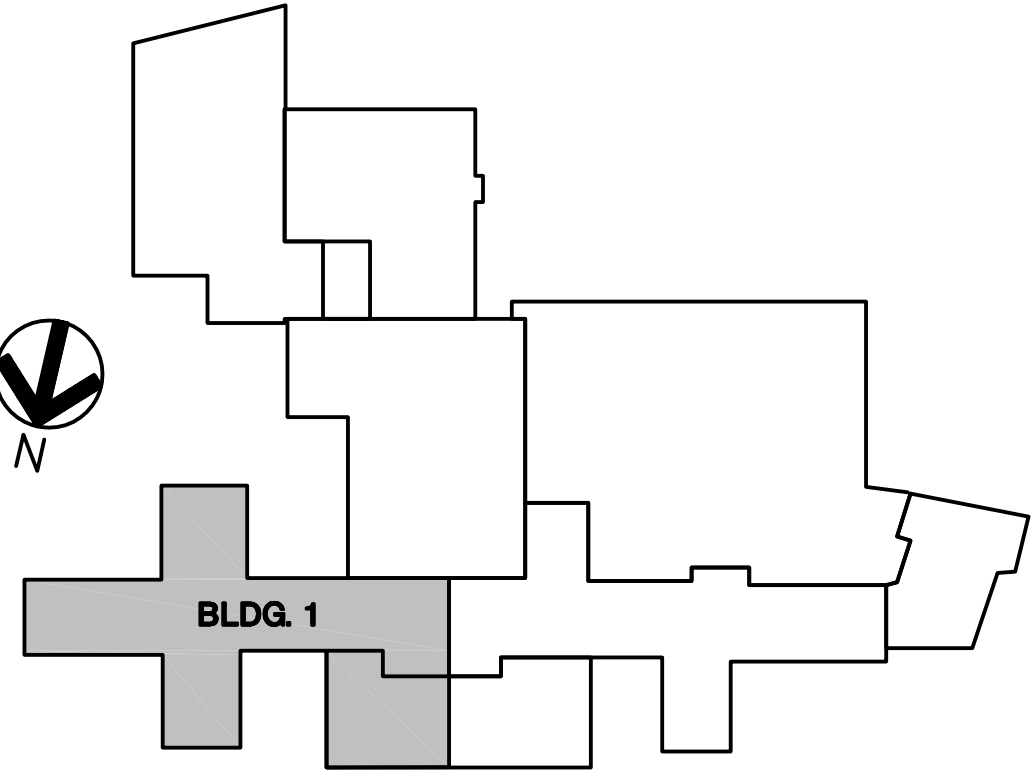
PARTIAL SUB-BASEMENT PLAN  
1/32"=1'-0"

FIRE PROTECTION NOTES:

- ASBESTOS TESTING HAS BEEN PERFORMED THROUGHOUT THE PROJECT AREA AND IT HAS BEEN DETERMINED NO ASBESTOS IS PRESENT IN THE BASEMENT. IN THE EVENT THAT ASBESTOS OR OTHER SUSPECT MATERIAL IS FOUND IN THE COURSE OF WORKING, CONTRACTOR IS TO SUSPEND WORK IN THAT AREA AND CONTACT THE OWNER.
- PIPING IS SHOWN IN SCHEMATIC FORM. ROUTE AS REQUIRED FOR CLEARANCE WITH EXISTING CONDITIONS AND OTHER TRADES.
- 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.
- FIRE SAFE ALL PIPE PENETRATIONS PER UL AT RATED WALLS/FLOORS.
- 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.
- COORDINATE LOCATION OF ALL PIPING REQUIREMENTS WITH OTHER TRADES.
- SPRINKLER SYSTEMS SHALL BE BASED ON THE FOLLOWING DESIGN CRITERIA:
  - CORRIDORS, OFFICES, CLASSROOMS AND LIGHTLY LOADED NON-STORAGE AREAS: 0.10 GPM/SQ FT OVER 1500 SQ FT, INCLUDE 250 HOSE ALLOWANCE.
  - MECHANICAL, ELECTRICAL, SHOPS 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.
- 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.
- 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.
- 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 WHERE EXISTING SPRINKLERS SHALL REMAIN, CONNECT NEW MAIN TO EXISTING BRANCH LINES OUTSIDE ROOM.
- THE SHADED AREA DENOTES SPACES WHERE EXISTING SPRINKLERS SHALL BE REMOVED AND NEW SPRINKLERS INSTALLED TO MEET NFPA 13.



KEY PLAN  
NOT TO SCALE

1-B

Veterans Administration

BASMENT - FIRE PROTECTION PLAN  
1/8" = 1'-0"

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  
**BASMENT  
FIRE PROTECTION PLAN**

Approved: Division Chief

Approved: Service Director

Project Title  
**RENOVATE AND EXPAND  
SPACE FOR PATIENT  
SUPPORT AREAS**

Building Number  
**1**

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.  
**1-B-F1**

Dwg. 15 of 15

Revisions

Date