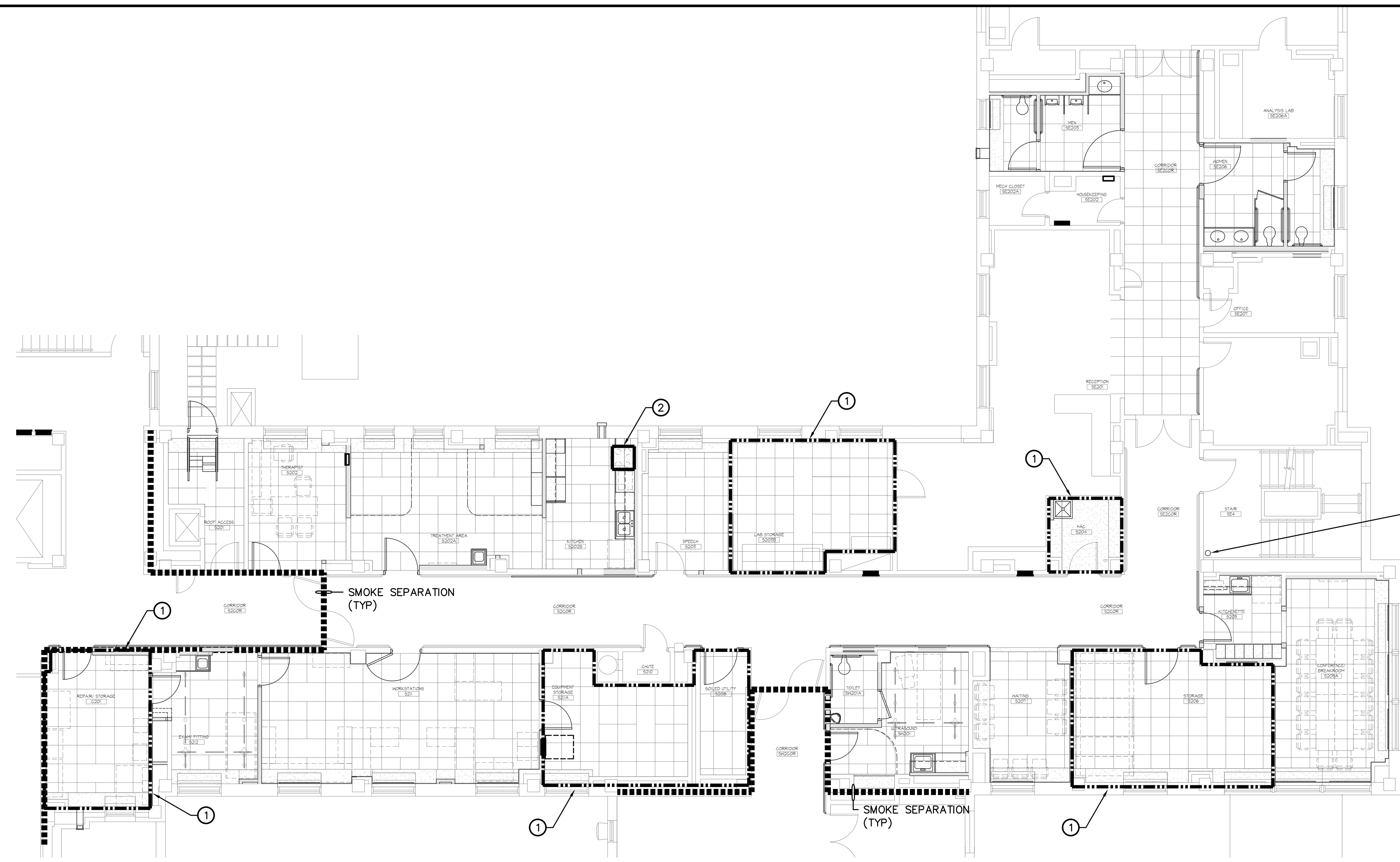
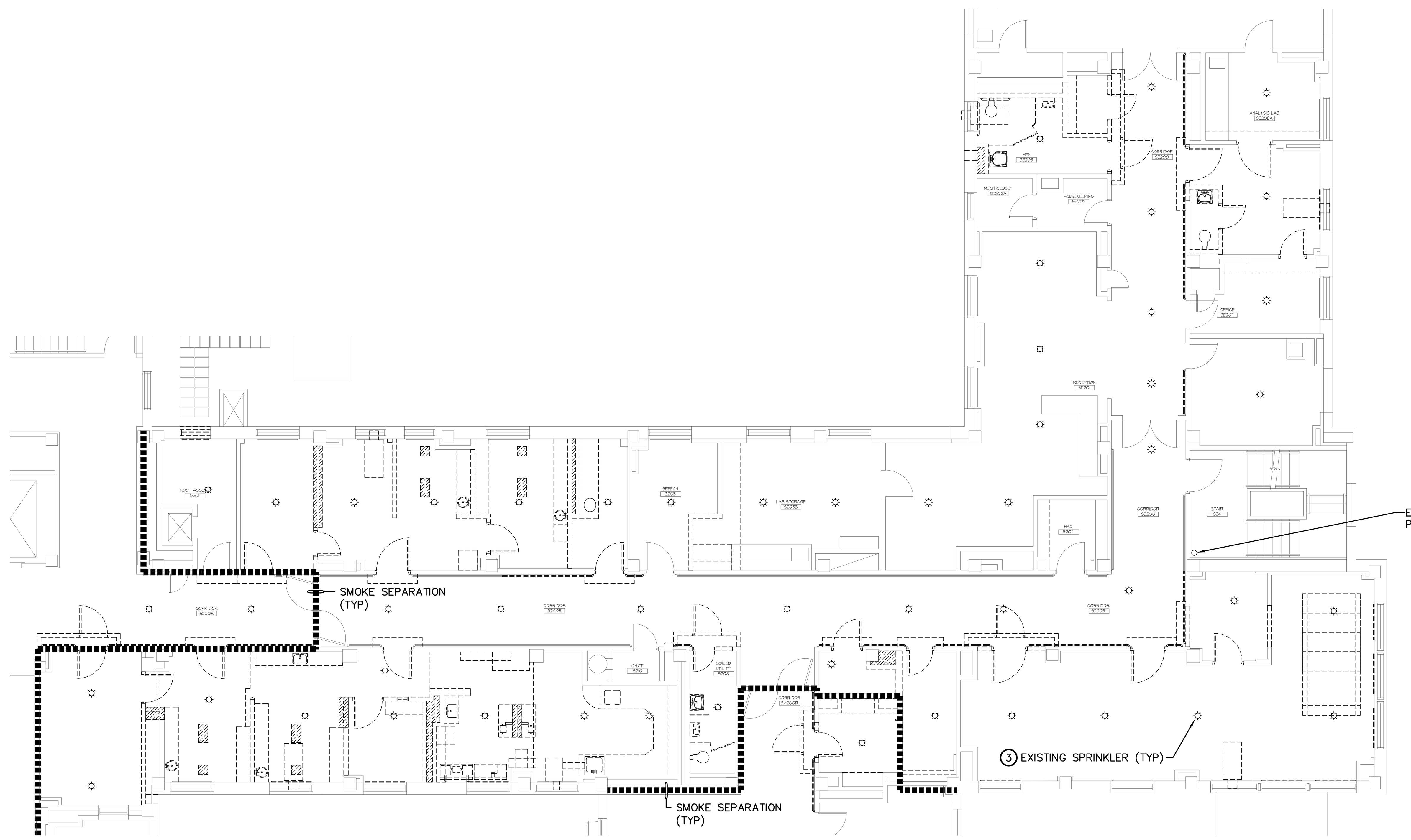


1/M3.1 2ND FLOOR FIRE PROTECTION NEW WORK PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH



2/M3.1 2ND FLOOR FIRE PROTECTION DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH

FIRE PROTECTION GENERAL NOTES

1. BUILDING IS PROTECTED BY AN EXISTING FIRE SPRINKLER AND STANDPIPE SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13. THE EXISTING FIRE SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED TO PROVIDE SPRINKLER COVERAGE FOR THE RENOVATION AREAS. AVAILABLE WATER PRESSURE AND FLOW SHALL BE VERIFIED AT THE BUILDING.
2. EXISTING SPRINKLER LOCATIONS AND SPRINKLER PIPING ARE INDICATED IN ORDER TO CONVEY THE GENERAL ARRANGEMENT OF THE SYSTEM. FIELD VERIFY ALL EXISTING FIRE PROTECTION SYSTEM CONDITIONS.
3. PROVIDE A COMPLETE AND OPERABLE FIRE PROTECTION SYSTEM IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL CODES, LAWS AND REGULATIONS. DESIGN SHALL BE BASED ON HYDRAULIC CALCULATIONS PER NFPA 13, WITH SHOP DRAWINGS PREPARED PER REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
4. ALL AREAS INCLUDED IN THE RENOVATION WORK SHALL BE SPRINKLED PER LATEST EDITION OF APPLICABLE NFPA STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS. ENTIRE SYSTEM SHALL BE INSTALLED PER VA GUIDELINES, LOCAL FIRE DEPARTMENT REQUIREMENTS AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
5. EXISTING FIRE PROTECTION SYSTEMS WHICH SERVE AREAS OF THE BUILDING OUTSIDE THE DESIGNATED RENOVATION AREAS SHALL BE MAINTAINED. ANY REQUIRED SHUTDOWN OF THESE SYSTEMS SHALL BE COORDINATED WITH THE PROJECT CONTRACTOR.
6. DURING DEMOLITION AND REMOVAL PHASES OF THE PROJECT, THE EXISTING FIRE SPRINKLER SYSTEM IN THE RENOVATED AREAS SHALL BE MAINTAINED INTACT AND FULLY FUNCTIONAL.
7. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT OF THE SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND LOCATIONS OF EXPOSED STRUCTURE. COORDINATE SPRINKLER SYSTEM LAYOUT WITH ALL NEW AND EXISTING ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING, AND ELECTRICAL COMPONENTS. HVAC, PLUMBING, AND ELECTRICAL COMPONENTS SHALL TAKE PRECEDENCE IN THE EVENT OF AN INSTALLATION CONFLICT.
8. EXISTING SPRINKLER PIPING SHALL BE RELOCATED OR REPLACED AS REQUIRED FOR THE INSTALLATION OF NEW MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK, PIPING AND DEVICES.
9. EXISTING SPRINKLER PIPING THAT IS ABANDONED AS A RESULT OF THE MODIFICATIONS TO THE SYSTEM SHALL BE REMOVED INCLUDING ALL HANGERS AND SUPPORTS.
10. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW ANY EQUIPMENT REQUIRING ACCESS OR SERVICE (AIR TERMINAL UNITS, FAN COIL UNITS, FANS, CABLE TRAY, ETC.) OR WITHIN EQUIPMENT REQUIRED SERVICE AND ACCESS SPACE. COORDINATE ALL SPRINKLER PIPE INSTALLATION AND SPRINKLER LAYOUT WITH NEW AND EXISTING EQUIPMENT LOCATIONS AND REQUIRED ACCESS SPACE ADJACENT TO EQUIPMENT.
11. SPRINKLER LOCATIONS AND SPRINKLER PIPING ARE SHOWN FOR AESTHETIC AND COORDINATION PURPOSES. ACTUAL SYSTEM LAYOUT SHALL BE BASED ON HYDRAULIC DESIGN AND SHOP DRAWINGS. SPRINKLERS ADJACENT TO AIR OUTLETS/INLETS AND LIGHT FIXTURES SHALL BE LOCATED 6" (MINIMUM) FROM EITHER. SPRINKLERS IN LAY-IN CEILINGS SHALL BE INSTALLED WITHIN 3" OF CENTER OF CEILING TILE.
12. ALL AREAS DESIGNATED TO HAVE NEW CEILINGS INSTALLED SHALL BE PROVIDED WITH NEW SPRINKLERS. EXISTING SPRINKLERS THAT ARE REMOVED SHALL NOT BE RELOCATED OR RE-USED. SPRINKLERS IN GYP. BOARD AND LAY-IN CEILINGS SHALL BE CONCEALED PENDENT TYPE WITH WHITE FINISH. SPRINKLERS IN EXPOSED AREAS SHALL BE UPRIGHT TYPE.
13. PROVIDE AUXILIARY DRAINS FOR ALL LOW SPOTS IN PIPING SYSTEM.
14. ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED BY GENERAL CONTRACTOR. VERIFY COLOR SELECTION WITH ARCHITECT.
15. VERIFY ALL CEILING HEIGHTS PRIOR TO MAKING FINAL DROPS TO SPRINKLERS.
16. APPLICABLE U.L. CONSTRUCTION DETAIL(S) SHALL BE USED WHERE RATED ASSEMBLIES ARE PENETRATED BY SPRINKLER PIPING.
17. NEW SPRINKLER PIPING SHALL BE FLUSHED PRIOR TO PUTTING INTO SERVICE.
18. COORDINATE EXTENT OF CEILING TILE REMOVAL AND SPRINKLER SYSTEM WORK THAT MAY BE REQUIRED IN AREAS OUTSIDE THE DESIGNATED RENOVATION AREAS WITH PROJECT CONTRACTOR.
19. SEE PROJECT MANUAL SECTION 21 13 13 FOR OTHER REQUIREMENTS.

FIRE PROTECTION KEYNOTES

(1) PROVIDE ORDINARY HAZARD GROUP 1 FIRE PROTECTION IN THIS AREA.

(2) PROVIDE KITCHEN RANGE HOOD FIRE SUPPRESSION SYSTEM. SYSTEM SHALL BE SELF-CONTAINED WET CHEMICAL SYSTEM INSTALLED IN CABINET ABOVE HOOD WITH NOZZLES, TEMPERATURE SENSORS AND FUEL SHUT-OFF ALL COORDINATED WITH OWNER PROVIDED HOOD. PROVIDE MANUAL PULL STATION AND BUILDING FIRE ALARM INTERFACE. COORDINATE LOCATION OF MANUAL PULL STATION WITH PROJECT CONTRACTOR.

(3) REMOVE EXISTING SPRINKLERS IN ALL AREAS DESIGNATED TO HAVE NEW CEILINGS. REMOVE EXISTING SPRINKLER PIPING AS REQUIRED FOR NEW SPRINKLER LAYOUT.

GENERAL NOTES

1. EXISTING CONDITIONS ABOVE CEILINGS AND WITHIN VERTICAL CHASES ARE NOT FULLY KNOWN. FIELD VERIFY ACTUAL CONDITIONS AND ADJUST WORK AS REQUIRED. NOTIFY ENGINEER AND ARCHITECT IF EXISTING PIPING, DUCTWORK, OR EQUIPMENT TO REMAIN CONFLICTS WITH THE NEW DESIGN.
2. DURING CONSTRUCTION NO CEILING TILES IN PUBLIC AREAS CAN BE LEFT OPEN OVERNIGHT.
3. COORDINATE SCHEDULING OF ALL WORK REQUIRED OUTSIDE THE RENOVATION AREA INCLUDING FLOORS ABOVE AND BELOW THE RENOVATION AREA WITH COTR. SPACES ADJACENT TO THE RENOVATION WILL REMAIN OPERATIONAL DURING CONSTRUCTION.

Revisions	Date

IMPORTANT CONTRACTOR'S NOTE

1. ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ENTIRE SET OF DOCUMENTS TO DETERMINE THEIR FULL SCOPE OF WORK. CONTRACTOR SHALL NOT BE ALLOWED EXTRA COSTS DUE TO FAILURE TO REVIEW ENTIRE SET OF DOCUMENTS.
2. ANY USE OF THESE ELECTRONIC DRAWINGS OR SCALING OF THE PRINTED DOCUMENTS ARE DONE SO AT THE CONTRACTORS RISK.

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Drawing Title	FIRE PROTECTION FLOOR PLANS
Approved: Project Director	KEVIN HUTSELL
	CONSTRUCTION DOCUMENT (CD-3) SUBMITTAL 100% APRIL 13, 2012
Project Title	RENOVATE BACKFILL DENTAL SPACE NWIHCS
Location	VAMC Grand Island, NE
Date	APRIL 13, 2012
Checked	MKL
Drawn	SFP
Project Number	636-12-101
Building Number	ONE
Drawing Number	M3.1
Dwg.	18 of 26

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Department of Veterans Affairs