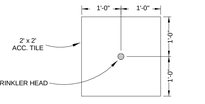
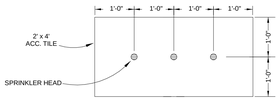
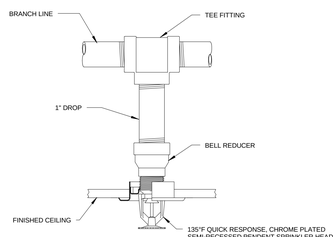


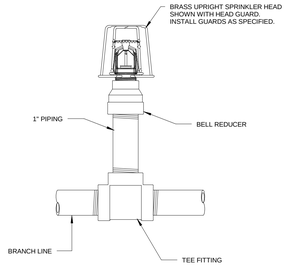
3D CENTER LINE OF 2' TILE DETAIL
NOT TO SCALE



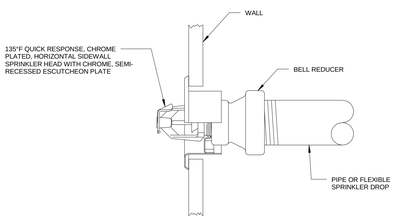
3C CENTER LINE OF 4' TILE DETAIL
NOT TO SCALE



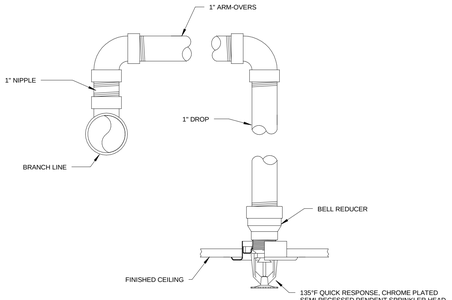
3B SEMI-RECESSED SPRINKLER HEAD DETAIL
NOT TO SCALE



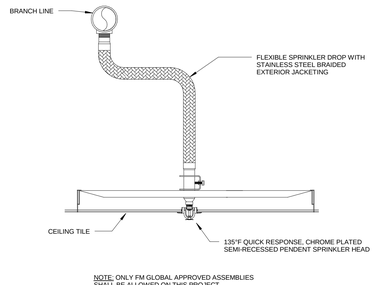
3A UPRIGHT SPRINKLER HEAD ON 1" SPRIG DETAIL
NOT TO SCALE



2C RECESSED HORIZONTAL SIDEWALL SPRINKLER HEAD DETAIL
NOT TO SCALE

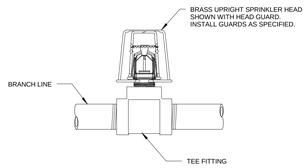


2B RETURN BEND DETAIL
NOT TO SCALE

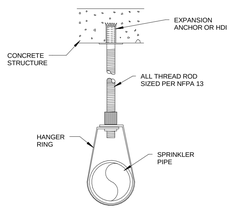


NOTE: ONLY FM GLOBAL APPROVED ASSEMBLIES SHALL BE ALLOWED ON THIS PROJECT.

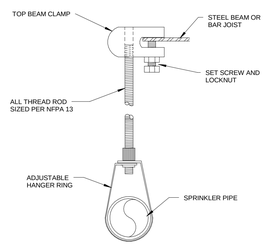
2A FLEXIBLE SPRINKLER DROP DETAIL
NOT TO SCALE



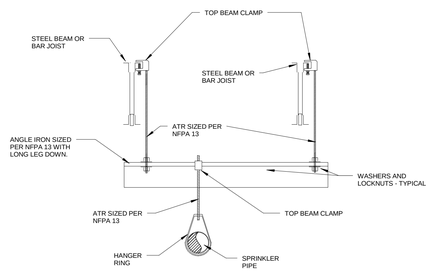
1D UPRIGHT SPRINKLER HEAD DETAIL
NOT TO SCALE



1C CONCRETE HANGER DETAIL
NOT TO SCALE



1B TOP BEAM CLAMP HANGER DETAIL
NOT TO SCALE



1A TRAPEZE HANGER DETAIL
NOT TO SCALE

NOTICE TO CONTRACTORS:

THE FIRE PROTECTION SYSTEMS DESIGNER IS CAUTIONED TO CAREFULLY COORDINATE AND CONSIDER ROUTINGS OF ALL FIRE PROTECTION PIPES AND LOCATIONS OF FIRE SPRINKLER HEADS WITH ALL OTHER DISCIPLINES (STRUCTURAL, MASONRY, HVAC DUCTWORK, ALL ABOVE CEILING PIPING SYSTEMS, LIGHTING FIXTURES, PLUMBING, ETC.), AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS. THE SHORTEST ROUTE / DISTANCE BETWEEN ANY TWO POINTS MAY NOT BE THE ACCEPTABLE ROUTE, DUE TO EXISTING CONSTRUCTION FEATURES OR CONFLICTS WITH OTHER DISCIPLINES. THE FIRE PROTECTION DESIGNER IS CAUTIONED TO PERFORM A DETAILED SURVEY OF THE BUILDING, EXISTING OR PLANNED, AND CAREFULLY REVIEW ALL PROJECT DRAWINGS AND DETAILS DURING DESIGN OF THE FIRE PROTECTION SYSTEMS.

THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. EXERCISE GREAT CARE DURING INSTALLATION TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING FIRE PROTECTION CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS, OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS, AT ALL TIMES THIS SHALL BE AT CONTRACTOR'S EXPENSE.

THIS IS A WORKING HOSPITAL - COORDINATE SHUTDOWN OF STANDPIPES, FLOOR SYSTEMS, ZONE SYSTEMS, ETC., WITH THE OWNER AND AS PER THE OWNERS SHUTDOWN PROCEDURE. AT NO TIME SHALL THE FIRE PROTECTION SYSTEMS BE LEFT TURNED-OFF BEYOND THE SPECIFIED WORK SCHEDULES. COORDINATE WITH THE G.C. AND OWNER AT ALL TIMES.

GENERAL NOTES:

1. PROVIDE COMPLETE, HYDRAULICALLY CALCULATED, FULLY AUTOMATIC, WET-PIPE SPRINKLER SYSTEMS THROUGHOUT THE RENOVATED AREAS OF THE FIRST AND SECOND FLOOR.

2. THE FIRE PROTECTION CONTRACTOR SHALL INSTALL THE FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE NFPA STANDARDS, VETERANS ADMINISTRATION REQUIREMENTS, PROJECT SPECIFICATIONS, ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES & ORDINANCES.

3. FIRE PROTECTION SYSTEMS INSTALLATION SHALL BE COMPLETE WITH: ALL NECESSARY CONTROL VALVES, DRAIN VALVES, SPRINKLER PIPING, SPRINKLER HEADS, ELECTRONIC SUPERVISION (IF REQUIRED), NECESSARY TRIMMINGS, PRESSURE RELIEF VALVE FOR GRID SYSTEMS, ACCESS PANELS, APPURTENANCES, ACCESSORIES, ETC., AS REQUIRED BY MANUFACTURERS LITERATURE, NFPA STANDARDS, FM-GLOBAL, THE VETERANS ADMINISTRATION AND LOCAL AUTHORITIES HAVING JURISDICTION. ALL FINAL PIPE SIZING SHALL BE ESTABLISHED BY THE INSTALLING FIRE PROTECTION CONTRACTOR AND NFPA STANDARDS BY MEANS OF HYDRAULIC CALCULATIONS.

4. FIRE PROTECTION CONTRACTOR SHALL BE LICENSED TO PERFORM WORK WITHIN THE STATE OF OKLAHOMA WITH A FULL-TIME, DULY LICENSED R.M.E. ON STAFF AS REQUIRED BY THE OKLAHOMA OCCUPATIONAL LICENSING DIVISION AND THE OKLAHOMA STATE FIRE MARSHAL'S OFFICE. THE FIRE PROTECTION DESIGNER SHALL HAVE A MINIMUM OF FIVE (5) YEARS OF VERIFIABLE DESIGN EXPERIENCE AND HAVE N.I.C.E.T. LEVEL III CERTIFICATION IN WATER-BASED SYSTEMS LAYOUT.

5. THE SPRINKLER CONTRACTOR SHALL BASE BID AND PROJECT DESIGN ON SITE SURVEY AND VERY CAREFUL COORDINATION WITH THE MECHANICAL DUCTWORK, MECHANICAL PIPING, PLUMBING PIPING, ELECTRICAL FIXTURES & SYSTEMS, AND ALL STRUCTURAL ELEMENTS IN THE BUILDING, WHETHER EXISTING OR PLANNED. THERE IS LIMITED SPACE ABOVE CEILINGS.

6. REFER TO NOTES ON DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. SEE NOTICE TO CONTRACTORS, ON THESE SHEETS AS WELL.

7. HYDRAULIC CALCULATIONS SHALL BE BASED UPON A CURRENT FIRE PUMP PERFORMANCE TEST (MUST BE WITHIN TWELVE MONTHS OF DESIGN). IF NO TEST RESULTS ARE AVAILABLE A NEW FIRE PUMP TEST SHALL BE CONDUCTED BY THE FIRE PROTECTION CONTRACTOR. DUE TO THE UNIQUE FIRE PROTECTION PIPING ARRANGEMENT, PROVIDE MULTIPLE CALCULATIONS TO VERIFY PIPE SIZES FOR SIMILAR AREAS, ROOMS, ARRANGEMENTS, ETC. PROVIDE MINIMUM OF 10 PSI SAFETY FACTOR FOR ALL HYDRAULIC CALCULATIONS. NOTE: AVOID SYSTEM PRESSURES EXCEEDING 175 PSI.

8. STANDPIPES AND FIRE DEPARTMENT VALVES EXIST IN STAIRWELLS. ONE STANDPIPE IS A COMBINATION STANDPIPE AND HAS FLOOR CONTROL ASSEMBLIES IN PLACE FOR ISOLATION OF EACH FLOOR OR ZONE. THERE IS NO WORK PLANNED OR EXPECTED FOR THE EXISTING STANDPIPES.

9. FIRE PROTECTION SHOP DRAWINGS SHALL HAVE COMPLETE CEILING PLANS, REGARDLESS OF TYPE OF CEILING (ACOUSTICAL LAY-IN, GYPSUM, MEMBRANE, EXPOSED, ETC.), INDICATING THE LOCATION OF EACH SPRINKLER HEAD, AS WELL AS PIPING LAYOUTS. ALL FIRE PROTECTION PIPING SHALL BE COORDINATED WITH OTHER DISCIPLINES AND STRUCTURAL MEMBERS. PROVIDE ADDITIONAL SPRINKLER HEADS (OVER CODE MINIMUM) IF NECESSARY TO OBTAIN SYMMETRICAL LAYOUTS.

10. THIS IS A U.S. FEDERAL FACILITY. AS SUCH THE USA DOMESTIC "BUY AMERICAN" ACT SHALL APPLY. ABSOLUTELY NO FOREIGN MATERIALS WILL BE ALLOWED ON THIS PROJECT - NO EXCEPTIONS.

11. ABOVEGROUND WET-PIPE FIRE PROTECTION PIPING SHALL BE BLACK SCHEDULE 10 STEEL WITH ROLL GROOVED END PREPARATIONS, MEETING ALL NFPA 13 AND FM-GLOBAL REQUIREMENTS AND BLACK SCHEDULE 40 STEEL WITH THREADED END PREPARATIONS, MEETING ALL NFPA 13 AND FM-GLOBAL REQUIREMENTS. ALL FIRE PROTECTION PIPING SHALL BE UL LISTED, FM-GLOBAL APPROVED AND OF USA DOMESTIC MANUFACTURE AND ORIGIN. NO FOREIGN PIPING ALLOWED.

12. WET-PIPE FIRE PROTECTION FITTINGS SHALL BE BLACK CAST IRON THREADED OR FLANGED, CLASS 125; BLACK MALLEABLE IRON THREADED CLASS 150; OR DUCTILE IRON GROOVED. GROOVED COUPLINGS AND GROOVED FITTINGS SHALL BE OF THE SAME MANUFACTURER AND SERIES. NO USED FITTINGS OF ANY KIND WILL BE ALLOWED. NO SOCKT OR SEGMENTED FITTINGS WILL BE ALLOWED. ALL FITTINGS SHALL BE UL LISTED, FM-GLOBAL APPROVED AND OF USA DOMESTIC MANUFACTURE AND ORIGIN. NO FOREIGN FITTINGS ALLOWED.

13. CPVC PIPING AND FITTINGS SHALL NOT BE ACCEPTABLE ON ANY PORTION OF THIS PROJECT. SCHEDULE 5, SCHEDULE 7, "XL" OR SIMILAR PIPE TYPES SHALL NOT BE ACCEPTABLE ON ANY PORTION OF THIS PROJECT.

14. ANY NEW FIRE PROTECTION CONTROL VALVES SHALL HAVE ELECTRONIC SUPERVISION, SHALL INTERFACE WITH THE BUILDING FIRE ALARM SYSTEM AND SHALL BE SUPERVISED NORMALLY OPEN, UNLESS NOTED OTHERWISE – COORDINATE WITH THE ELECTRICAL CONTRACTOR.

15. SPECIAL CONSIDERATION SHALL BE GIVEN TO AREAS THROUGHOUT THE BUILDING SUCH AS DROPPED SOFFITS, RAISED CEILING AND LIGHTING SOFFITS, MOULDINGS, BEAMS, COLUMNS, ETC., THAT NECESSITATE ADDITIONAL SPRINKLER HEADS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DETAILS.

16. THE GENERAL CONTRACTOR SHALL CONDUCT A COORDINATION MEETING WITH THE SUBCONTRACTORS TO ESTABLISH CLEARANCE REQUIREMENTS NEEDED FOR MECHANICAL, PLUMBING AND ELECTRICAL WORK PRIOR TO FABRICATION OF THE SPRINKLER SYSTEMS.

17. ALL SPRINKLER HEADS SHALL BE UL LISTED AND FM-GLOBAL APPROVED FOR INTENDED OCCUPANCY AND USE.

18. SPRINKLER HEADS SHALL BE INSTALLED IN CENTERS OF ANY ACOUSTICAL CEILING TILES OR PANELS. THIS IS A REQUIREMENT FOR RETURN BENDS. SPRINKLER HEADS SHALL ALIGN WITHIN ANY GIVEN ROOM OR COMPARTMENT FOR VISUAL IMPACT. PROVIDE ADDITIONAL SPRINKLER HEADS IF NECESSARY TO COMPLY WITH THIS REQUIREMENT. EXCEPTION: SPRINKLER HEADS IN CLOSETS, STORAGE ROOMS, JANITORS CLOSETS AND OTHER SIMILAR, NON-PUBLIC ROOMS DO NOT HAVE TO BE LOCATED IN CENTERS OF TILES, BUT THEY SHALL BE LOCATED NO CLOSER TO CEILING T-BAR, CEILING MOUNTED FIXTURES OR OTHER EQUIPMENT THAN ALLOWED AS PER NFPA, FM-GLOBAL OR MANUFACTURERS LITERATURE ALLOWS.

19. ALL SPRINKLER HEAD TEMPERATURE RATINGS SHALL BE AS PER THE REQUIREMENTS OF NFPA 13. CONTRACTOR IS CAUTIONED TO REVIEW LOCATIONS OF SPRINKLER HEADS WITH REGARD TO DIFFUSERS, MECHANICAL EQUIPMENT, WINDOWS, ETC., WHEN SELECTING TEMPERATURE RATINGS. SPRINKLER HEADS SHALL BE OF THE APPROPRIATE RESPONSE, K-FACTOR, NPT, ETC. EXCEPTION: THIS FACILITY UTILIZES 135°F RATED QUICK RESPONSE SPRINKLER HEADS THROUGHOUT.

20. SPRINKLER HEADS INSTALLED IN FINISHED CEILINGS SHALL BE FM-GLOBAL APPROVED, CHROME PLATED, QUICK RESPONSE, PENDENT SPRINKLER HEADS, WITH 2-PIECE SEMI-RECESSED CHROME ESCUTCHEON PLATES.

21. SPRINKLER HEADS INSTALLED IN AREAS WITHOUT CEILINGS OR OPEN TO STRUCTURE SHALL BE FM-GLOBAL APPROVED, PLAIN / NATURAL FINISH, QUICK RESPONSE, UPRIGHT SPRINKLER HEADS.

22. PROVIDE AUTOMATIC SPRINKLER PROTECTION AS FOLLOWS:

•THROUGHOUT OFFICES, LOBBIES, WAITING ROOMS, RESTROOMS, EXAM ROOMS, CORRIDORS, ETC., DESIGNED TO PROVIDE A DENSITY OF .10 GPM / SQ.FT. OVER THE MOST REMOTE 1,500 SQ.FT. WITH A 100 GPM HOSE WATER ALLOWANCE.

•PROVIDE AUTOMATIC SPRINKLER PROTECTION THROUGHOUT AUDITORIUMS, JANITOR CLOSETS, STORAGE ROOMS, MECHANICAL ROOMS, ETC. DESIGNED TO PROVIDE A DENSITY OF .20 GPM / SQ.FT. OVER THE MOST REMOTE 1,500 SQ.FT. WITH A 250 GPM HOSE WATER ALLOWANCE.

23. ANY LABS AND CYLINDER STORAGE ROOMS SHALL BE PROTECTED IN ACCORDANCE WITH NFPA 45 AND NFPA 55.

24. ALL TRAPPED PIPING SHALL BE DRAINABLE. THERE MAY BE INSTANCES WHERE THE FIRE PROTECTION INSTALLATION SHALL HAVE TO BE ROUTED "UP-OVER-DOWN" AROUND HVAC, STRUCTURAL MEMBERS, ETC., PROVIDE MEANS FOR DRAINAGE AS PER NFPA 13. INDIVIDUAL DRAINS SHALL DISCHARGE TO FLOOR DRAINS OR EXTERIOR DISCHARGE WHERE POSSIBLE, OTHERWISE PROVIDE NIPPLE AND CAP ON DISCHARGE SIDE OF DRAIN VALVES. ANY AUXILIARY DRAINS SHOWN ON PLANS ARE FOR REFERENCE ONLY. ADDITIONAL AUXILIARY DRAINS MAY BE NECESSARY DUE TO UNFORESEEN SITUATIONS THAT CREATE TRAPPED PORTIONS OF PIPING.

25. PROVIDE ACCESS PANELS WHERE NECESSARY TO ACCESS FIRE PROTECTION VALVES & EQUIPMENT; EITHER FOR TESTING, MAINTENANCE, INSPECTION OR DRAINAGE. ACCESS PANELS SHALL BE RATED TO MATCH THE WALL OR CEILING IN WHICH THEY ARE INSTALLED AND TO BE OF SUFFICIENT SIZE TO FACILITATE WORK. ACCESS PANELS SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.

26. PAINT EXPOSED FIRE PROTECTION PIPING IN MECHANICAL ROOMS OSHA RED. PAINTING SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.

27. PROVIDE PROTECTION FOR SPRINKLER HEADS IN AREAS WHERE THE CEILING OR SURROUNDING AREA IS TO BE PAINTED. FIRE PROTECTION CONTRACTOR SHALL BE 100% RESPONSIBLE TO PROVIDE AND REMOVE SPRINKLER PROTECTION AFTER PAINTING IS COMPLETE. ANY SPRINKLER HEAD WITH PAINT OR TEXTURE OVERSPRAY SHALL BE REPLACED BY THE FIRE PROTECTION CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

28. PROVIDE HEAD GUARDS ON ALL SPRINKLER HEADS AT OR BELOW AN ELEVATION OF 7'- 6" AFF, OR THAT OTHERWISE MAY BE SUBJECT TO MECHANICAL DAMAGE, SUCH AS THOSE UNDER STAIRS, IN THE MECHANICAL ROOMS OR ELECTRICAL ROOMS.

29. FIRE PROTECTION PLANS SHALL BE SUBMITTED TO THE ARCHITECT AND VETERANS ADMINISTRATION (BY MEANS OF THE GENERAL CONTRACTOR), THE LOCAL FIRE MARSHAL AND ANY OTHER LOCAL & STATE AUTHORITIES AS MAY BE REQUIRED.

30. SEISMIC BRACING SHALL NOT BE REQUIRED FOR THE FIRE PROTECTION SYSTEMS.

31. PRIOR TO THE HYDROSTATIC TEST REQUIRED BY NFPA 13 FOR WET SYSTEMS, IT IS REQUIRED THAT EACH AREA FOR THIS PROJECT BE PNEUMATICALLY TESTED FOR 24 HOURS WITH 40 PSI SHOWING NOT MORE THAN 1½ PSI LOSS IN THE 24 HOUR PERIOD AS DESCRIBED IN NFPA 13 FOR PNEUMATIC TESTING REQUIREMENTS FOR DRY SYSTEMS. THE CONTRACTOR SHALL ISOLATE EACH AREA FOR TESTING. IF DURING THE ISOLATION PROCESS EXISTING GROOVED COUPLINGS ARE REMOVED, THE CONTRACTOR IS REQUIRED TO INSTALL NEW ONES IN THE PLACE OF THE ONES REMOVED FOR ISOLATION PURPOSES.

32. FIRE PROTECTION SYSTEMS, PIPING, VALVES AND ACCESSORIES INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. THE FIRE PROTECTION CONTRACTOR IS 100% RESPONSIBLE TO VERIFY EQUIPMENT SELECTIONS, PIPE ROUTINGS, SPRINKLER HEAD LOCATIONS, COORDINATION, ETC. FOR FIT, ADEQUACY, CODE COMPLIANCE, FM GLOBAL COMPLIANCE, AND ARCHITECTURAL & STRUCTURAL CONFORMITY. THE FIRE PROTECTION CONTRACTOR SHALL THOROUGHLY SURVEY THE PROPERTY AND REVIEW ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, PIPING, ELECTRICAL AND PLUMBING CONSTRUCTION DOCUMENTS PRIOR TO BID. THERE MAY BE LIMITED SPACE AVAILABLE FOR PIPE ROUTING.

33. THIS FACILITY IS SERVED BY A FIRE PUMP. NO WORK IS PLANNED OR EXPECTED FOR THE EXISTING FIRE PUMP INSTALLATION. HOWEVER, THE FIRE PROTECTION CONTRACTOR MAY CHOOSE TO USE THE JOCKEY PUMP TO EXPEDITE RE-FILL OF THESE SPRINKLER SYSTEMS. ONLY THOSE INSTALLERS THAT ARE KNOWLEDGEABLE AND TRAINED IN THE OPERATION OF FIRE AND JOCKEY PUMPS SHALL OPERATE THESE PUMPS. THE INSTALLING CONTRACTOR ASSUMES, AND WILL BE HELD RESPONSIBLE FOR, ALL LIABILITY FOR ANY DAMAGE(S) THAT MAY ARISE AS A RESULT OF THEIR USE OR NEGLIGENCE OF THE FIRE AND JOCKEY PUMPS. AT ALL TIMES THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH THE OWNER AND GENERAL CONTRACTOR.

34. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE SHUT-DOWN OF ANY SYSTEM OR ZONE OF FIRE PROTECTION WITH THE OWNER. THE FIRE PROTECTION CONTRACTOR SHALL FOLLOW THE OWNERS SHUT-DOWN PROCEDURE AND RETURN THE SYSTEM OR ZONE BACK TO FULL OPERATIONAL SERVICE EACH DAY. THE CONTRACTOR SHALL CHECK FOR LEAKS PRIOR TO LEAVING THE SITE EACH DAY, IN THE EVENT A REPAIR NEEDS TO BE MADE.

35. REFER TO COMPLETE SET OF PROJECT DOCUMENTS (ALL PLANS AND ALL SPECIFICATIONS), FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

36. FIRE PROTECTION CONTRACTORS SHALL SUBMIT RFI'S TYPED ON COMPANY LETTERHEAD TO THE ARCHITECT AND ENGINEER BY MEANS OF THE GENERAL CONTRACTOR. IT SHALL NOT BE ACCEPTABLE TO CONTACT THE ARCHITECT OR ENGINEER DIRECTLY.

37. THE INTENT OF THE PROJECT WILL BE TO UTILIZE AS MUCH OF THE EXISTING FIRE PROTECTION PIPING NETWORK AS POSSIBLE. EXISTING PIPING IS SHOWN FOR INFORMATIONAL PURPOSES. NEW SPRINKLER HEADS MAY BE SUPPLIED FROM EXISTING OUTLETS ON NEW ARM-OVERS. SOME PIPES MAY NEED TO BE REMOVED OR RE-ROUTED AROUND MECHANICAL HVAC SYSTEMS. FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES. THE OWNER PREFERS FM-GLOBAL APPROVED FLEXIBLE SPRINKLER DROPS OVER CONVENTIONAL HARD-PIPED RETURN BENDS, BUT THESE MAY NOT ALWAYS BE THE MOST ECONOMICAL MANNER IN WHICH TO PROCEED, GIVEN THE DISTANCE OF NEW SPRINKLER HEAD LOCATIONS FROM EXISTING BRANCH LINES AND OUTLETS.

38. SURRENDER ANY AND ALL DEMOLISHED MATERIALS TO THE OWNER FOR FIRST RIGHT OF REFUSAL.

39. THIRD FLOOR WORK. THERE IS AN EXISTING THIRD FLOOR MECHANICAL ROOM, IN WHICH A NEW AIR HANDLER IS TO BE INSTALLED. HVAC DUCTWORK WILL BE ADDED AND MODIFIED AS REQUIRED. THEREFORE, IT WILL BE NECESSARY TO MODIFY THE EXISTING FIRE PROTECTION SPRINKLER HEADS & ASSOCIATED PIPING TO BE IN COMPLIANCE WITH ALL V.A., NFPA AND LOCAL CODE REQUIREMENTS. REFER TO MECHANICAL SHEETS FOR ROOM LAYOUT. PERFORM FIELD SURVEY PRIOR TO BID AND DESIGN.

FULLY SPRINKLERED

100% Construction Documents	08/29/13
100% Construction Documents	04/09/12
95% Construction Documents	03/14/12
65% Design Development	01/23/12
35% Schematic Design Revised	11/09/11
35% Schematic Design	10/07/11
Revisions:	Date

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#06-10-0039
OK COA #2637 EXPIRES 06/30/15

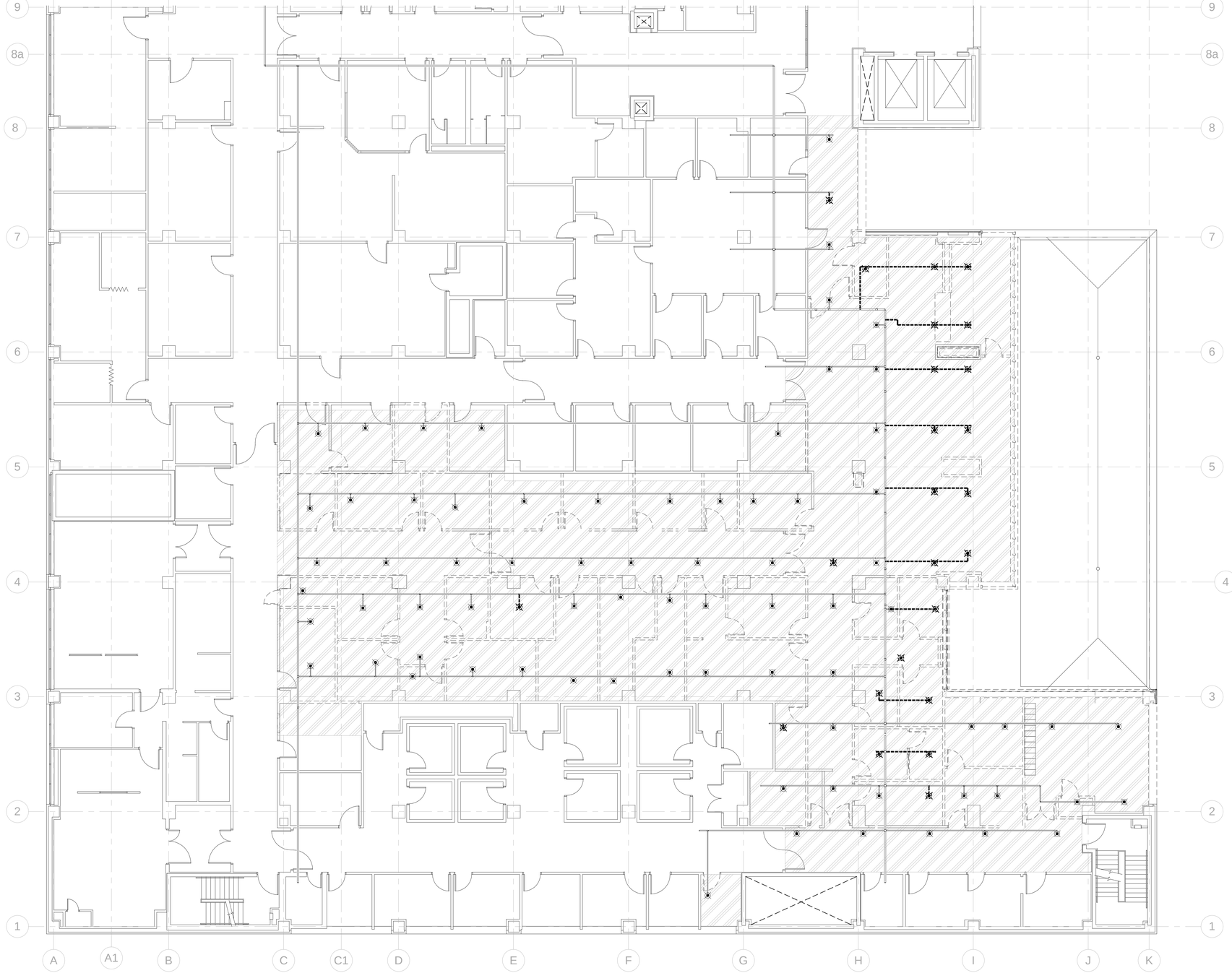
Drawing Title: GENERAL NOTES AND DETAILS - FIRE PROTECTION
Medical Center Director:
Chief Engineer:

Project Title: 1st and 2nd Floor Clinic Expansion
Oklahoma City VA Medical Center
Location: V.A.M.C. Oklahoma City, OK
Date: 08/30/13 | Checked: GS | Drawn: GS

Project Number: 635-408
Building Number: 1
Drawing Number: F001

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231



FIRE PROTECTION LEGEND

- EXISTING SPRINKLER HEAD ON DROP - TO BE LEFT IN PLACE OR USED AS OUTLET TO SUPPLY NEW ARM-OVER APPROXIMATE LOCATIONS SHOWN.
- NEW SPRINKLER HEAD LOCATION. 135°F, CHROME, SEMI-RECESSED, QUICK RESPONSE.
- CONNECT TO EXISTING
- EXISTING
- NEW
- DEMOLISH
- LIMITS OF FIRE PROTECTION WORK THIS FLOOR

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THIRD FLOOR WORK:

THERE IS AN EXISTING THIRD FLOOR MECHANICAL ROOM, IN WHICH A NEW AIR HANDLER IS TO BE INSTALLED. HVAC DUCTWORK WILL BE ADDED AND MODIFIED AS REQUIRED. THEREFORE, IT WILL BE NECESSARY TO MODIFY THE EXISTING FIRE PROTECTION SPRINKLER HEADS & ASSOCIATED PIPING TO BE IN COMPLIANCE WITH ALL V.A., NFPA AND LOCAL CODE REQUIREMENTS. REFER TO MECHANICAL SHEETS FOR ROOM LAYOUT. PERFORM FIELD SURVEY PRIOR TO BID AND DESIGN.

DEMOLITION NOTES:

1. THE INTENT OF THE PROJECT IS TO RE-USE AS MUCH OF THE EXISTING SYSTEM PIPING AS POSSIBLE. SO THERE IS NOT EXPECTED TO BE SUBSTANTIAL DEMOLITION. MOST DEMOLITION WILL TAKE PLACE DURING THE RENOVATION. EXISTING 1" OUTLETS MAY BE RE-USED TO SUPPLY NEW ARM-OVERS TO NEW SPRINKLER HEAD LOCATIONS.

2. CONFLICTS ARE TO BE EXPECTED ANYWHERE THE EXISTING SPRINKLER SYSTEM PIPING NETWORK AND THE NEW LIGHTING LAYOUT INTERSECT. WHETHER SHOWN ON THESE DRAWINGS OR NOT, THE LOCATIONS OF LIGHTING FIXTURES SHALL TAKE PRIORITY OVER THE SPRINKLER HEAD LOCATIONS, AND THE SPRINKLER SYSTEM PIPING SHALL BE OFFSET "UP-OVER-DOWN", OR AROUND, OR WHATEVER MAY BE NECESSARY TO FACILITATE THE NEW LIGHTING LAYOUT.

3. DEMOLITION OF THE EXISTING SPRINKLER SYSTEMS IS TO BE TAKEN BACK TO THE BRANCH LINE, OR THE CROSS MAIN AND PLUGS OR NIPPLES WITH CAPS SHALL BE INSTALLED. THERE ARE TO BE ABSOLUTELY NO MORE PORTIONS OF THE EXISTING BRANCH LINE PIPING REMAINING INTACT THAN WHAT ARE NECESSARY TO FACILITATE THE RENOVATION. IT SHALL NOT BE ACCEPTABLE TO ABANDON ANY PIPES IN PLACE ABOVE CEILING.

4. SURRENDER ALL DEMOLISHED MATERIALS (PIPES, FITTINGS, HANGERS, ESPECIALLY SPRINKLER HEADS) TO THE OWNER FOR FIRST RIGHT OF REFUSAL.

NORTH

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

FULLY SPRINKLERED

100% Construction Documents	08/29/13
100% Construction Documents	04/09/12
95% Construction Documents	03/14/12
65% Design Development	01/23/12
35% Schematic Design Revised	11/09/11
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OK COA #2637 EXPIRES 06/30/15

Drawing Title: FIRST FLOOR PLAN - DEMOLITION - FIRE PROTECTION
Medical Center Director:
Chief Engineer:

Project Title: 1st and 2nd Floor Clinic Expansion
Oklahoma City VA Medical Center
Location: V.A.M.C. Oklahoma City, OK
Date: 08/30/13 | Checked: GS | Drawn: GS

Project Number: 635-408
Building Number: 1
Drawing Number: FD101

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

NORTH

1 **SECOND FLOOR DEMOLITION - FIRE PROTECTION**
1/8" = 1'-0"

FIRE PROTECTION LEGEND

	EXISTING SPRINKLER HEAD ON DROP - TO BE LEFT IN PLACE OR USED AS OUTLET TO SUPPLY NEW ARM-OVER APPROXIMATE LOCATIONS SHOWN.
	NEW SPRINKLER HEAD LOCATION. 135°F, CHROME, SEMI-RECESSED, QUICK RESPONSE.
	CONNECT TO EXISTING
	EXISTING
	NEW
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	LIMITS OF FIRE PROTECTION WORK THIS FLOOR

NOTICE TO CONTRACTORS:

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THE INSTALLING FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO FABRICATION AND DURING INSTALLATION. EXERCISE GREAT CARE DURING INSTALLATION TO AVOID UNNECESSARY AND UNWANTED DAMAGE TO ANY PART OR FEATURE OF THE BUILDING, EXISTING OR PLANNED. THE INSTALLING FIRE PROTECTION CONTRACTOR IS CAUTIONED TO VERIFY ANY AND ALL PENETRATIONS PRIOR TO CUTTING OR DRILLING HOLES FOR PIPES. PENETRATIONS OF STRUCTURAL MEMBERS IS STRICTLY PROHIBITED WITHOUT A PROPERLY EXECUTED, WRITTEN APPROVAL. IT MAY BE NECESSARY FOR PIPES TO DROP DOWN, GO UNDER AND RISE UP AT BEAMS, OTHER STRUCTURAL FEATURES OR OTHER BUILDING SYSTEMS; AT ALL TIMES THIS SHALL BE AT CONTRACTOR'S EXPENSE.

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Medical Center Director:
Chief Engineer:

Project Title: 1st and 2nd Floor Clinic Expansion
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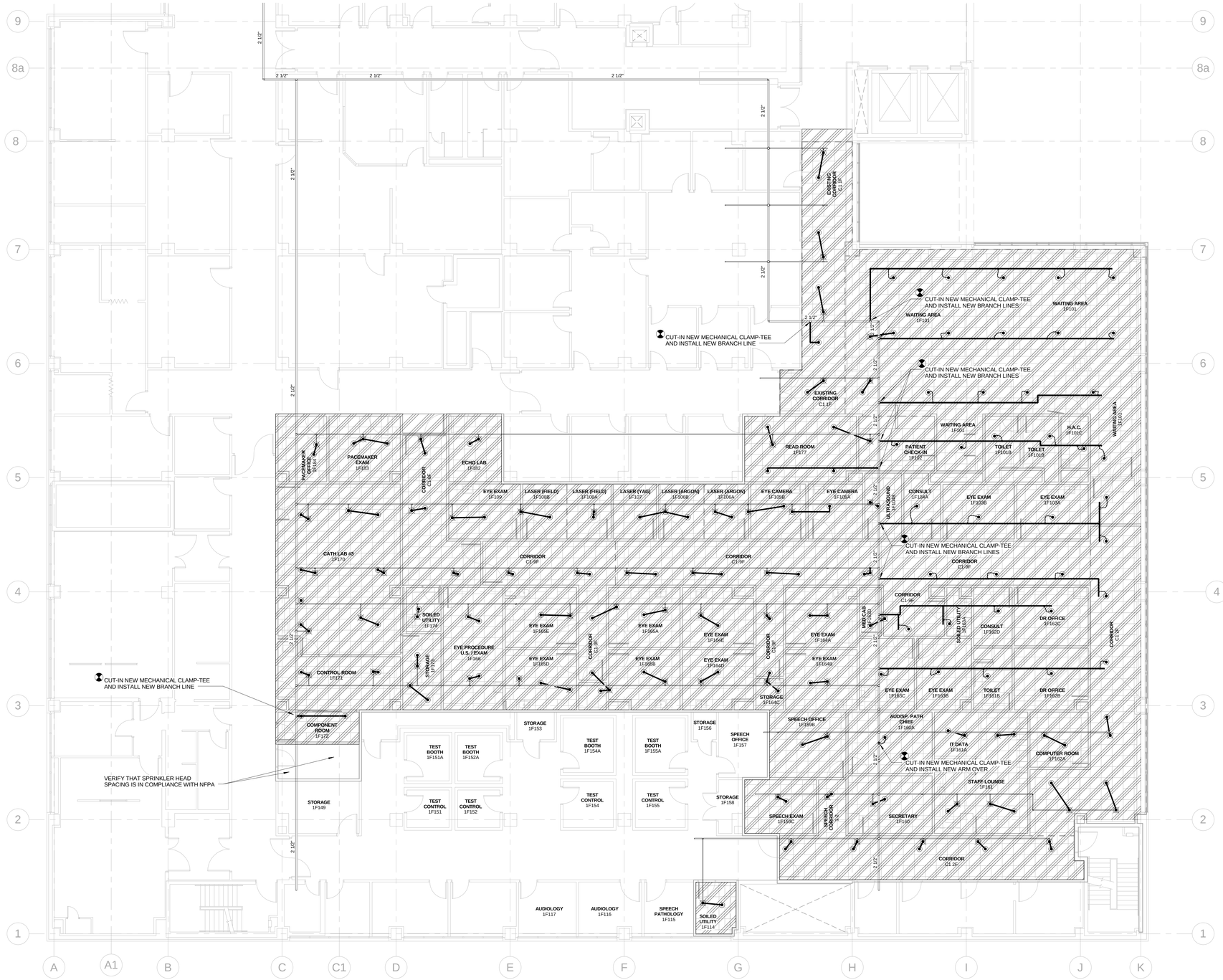
Location: V.A.M.C. Oklahoma City, OK
Date: 08/30/13 | Checked: GS | Drawn: GS

Project Number: 635-408
Building Number: 1
Drawing Number: FD102

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231



NORTH

1 **FIRST FLOOR RENOVATION - FIRE PROTECTION**

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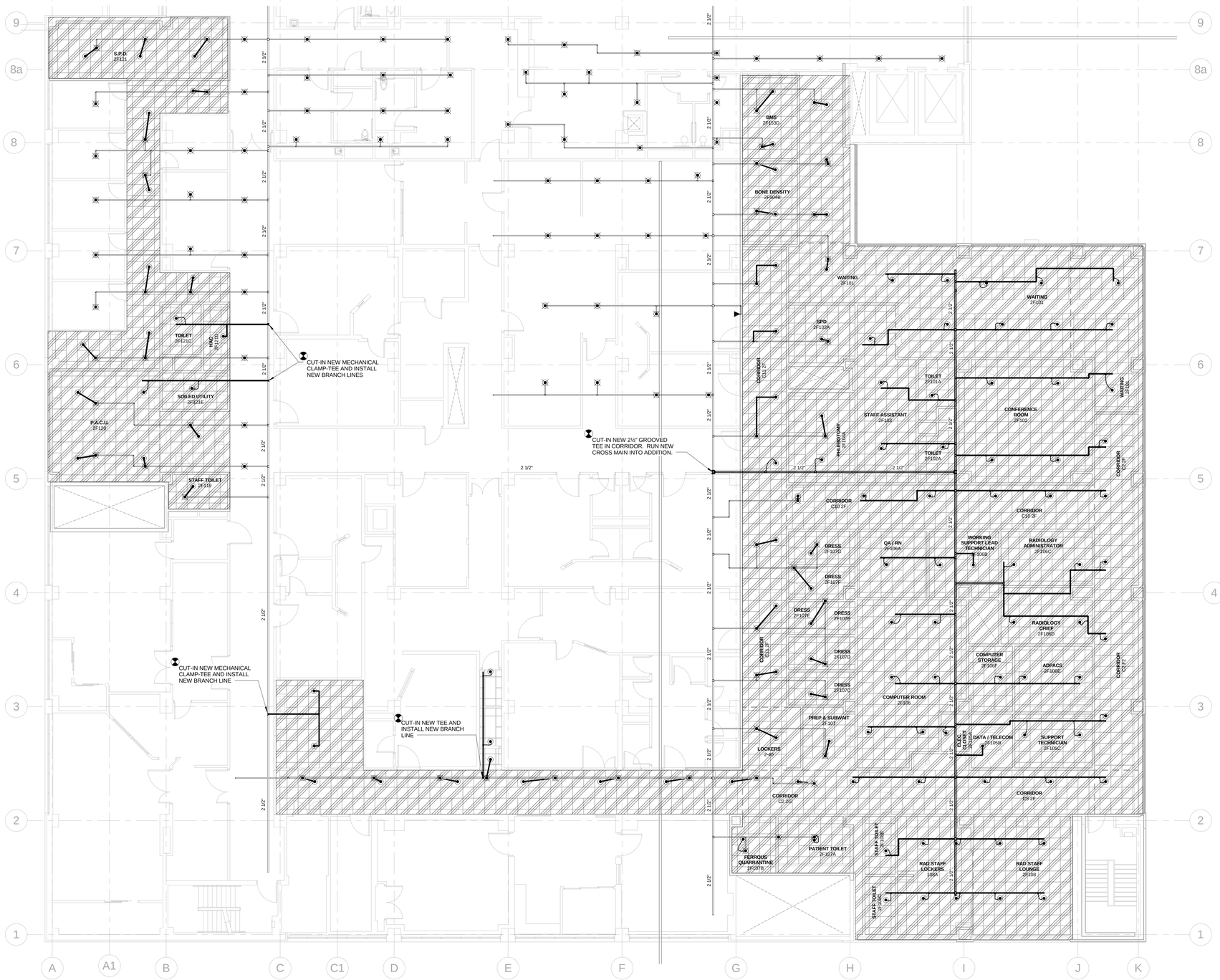
Drawing Title: FIRST FLOOR PLAN - RENOVATION - FIRE PROTECTION
Medical Center Director:
Chief Engineer:

Project Title: 1st and 2nd Floor Clinic Expansion Oklahoma City VA Medical Center
Location: V.A.M.C. Oklahoma City, OK
Date: 08/30/13 | Checked: GS | Drawn: GS

Project Number: 635-408
Building Number: 1
Drawing Number: FX201

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231



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NORTH

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