GENERAL NOTES

1. THE INTENT OF THE DRAWINGS IS TO DEFINE THE FIRE PROTECTION DESIGN FOR THE PROJECT.
2. ALL WORK SHALL BE IN COMPLIANCE WITH THE 2009 IBC, 2013 CALIFORNIA BUILDING CODE, THE 2013 CALIFORNIA FIRE CODE, THE REQUIREMENTS OF THE CITY OF FRESNO, THE REQUIREMENTS OF THE 2013 EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARD 13.
3. THE BUILDING IS CLASSIFIED AS LIGHT HAZARD AND SHALL BE HYDRAULICALLY DESIGNED, WET-PIPE SYSTEM PROVIDING A MINIMUM DENSITY OF 0.15 GPM OVER THE REMOTE 1,500 SQUARE FEET WITH A COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE OF 100 GPM.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATION AND ROUTING TO AVOID OBSTRUCTION AND TO INSTALL BRACING IN ACCORDANCE WITH NFPA 13. ALL HANGERS AND EARTHQUAKE BRACING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13, WHETHER SHOWN ON THESE PLANS OR NOT AT NO ADDITIONAL COST TO OWNER.
5. SYSTEM PIPING SHALL BE SCHEDULE 10 PIPE FOR PIPING 2½" AND LARGER AND SCHEDULE 40 FOR PIPING 2" AND SMALLER. CHANGES OF PIPE DIRECTION SHALL BE ACCOMPLISHED BY THE USE OF FITTINGS SUITABLE FOR SPRINKLER SYSTEMS AS DEFINED BY NFPA 13 AND THE SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE AUXILIARY DRAINS WHERE REQUIRED BY NFPA 13 (NOT SHOWN ON PLANS).
7. PROVIDE HANGERS IN ACCORDANCE WITH NFPA 13. CONTRACTOR SHALL PROVIDE ADEQUATE NUMBER OF HANGERS WHETHER REPRESENTED ON THESE PLANS OR NOT AT NO ADDITIONAL COST TO OWNER.
8. ARCHITECT OF RECORD, MECHANICAL ENGINEER & FIRE PROTECTION CONTRACTOR (C-16) SHALL AFFIX THEIR SEAL, STAMP AND SIGN ALL SUBMITTALS.
9. PROVIDE SPARE SPRINKLER CABINET, SPRINKLER WRENCH, AND NO FEWER THAN 6 SPARE SPRINKLERS MATCHING THE TYPES AND TEMPERATURE RATING IN EACH PROTECTED AREA FOR SYSTEMS LESS THAN 300 SPRINKLERS (12 SPARE SPRINKLERS FOR SYSTEMS 300 TO 1,000 SPRINKLERS) IN AN APPROVED LOCATION BY OWNER.
10. THE END SPRINKLER ON EACH LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT.
11. SIGNAGE SHALL BE PROVIDED AS REQUIRED, INCLUDING "RISER ROOM IDENTIFICATION".
12. SPRINKLER CONTRACTOR SHALL COMPLETE AND SIGN CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR ABOVE GROUND PIPING. THIS FORM SHALL BE GIVEN TO THE PROJECT INSPECTOR WHO WILL FORWARD TO DSA FOR FILING IN PROJECT RECORDS.
13. FOR IDENTIFICATION OF RATED WALLS SEE ARCHITECTURAL PLANS.
14. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD COORDINATION AND ROUTING TO AVOID OBSTRUCTION WITH OTHER TRADES.
15. CONTRACTOR SHALL VERIFY AS-BUILT CONDITIONS ON SITE, AND NOTIFY OWNER OF ANY DEFICIENCIES, PRIOR TO FABRICATION AND/OR INSTALLATION.
16. THE SPRINKLER SYSTEM INSTALLATION SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES. THE GENERAL CONTRACTOR'S SUBMITTED SCHEDULE SHALL BE FOLLOWED.
17. REMOVAL AND REPLACEMENT OF EXISTING CEILINGS, WHEREVER NECESSARY FOR INSTALLATION OF THE SPRINKLER SYSTEM, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CEILINGS AFFECTED DURING INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE REFINISHED WITH NEW AT NO COST TO THE OWNER.
18. DELIVERY OF ALL MATERIALS AND EQUIPMENT TO THE JOB SITE SHALL BE SCHEDULED TO ASSURE COMPLIANCE WITH THE PREDETERMINED CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND HANDLING OF ALL MATERIALS AND EQUIPMENT ON THE JOB SITE, INCLUDING FURNISHING OF ANY STORAGE FACILITIES OR STRUCTURE REQUIRED.
19. THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, SEALING, PATCHING, AND PAINTING REQUIRED FOR INSTALLATION OF THE SPRINKLER SYSTEM. ALL PENETRATIONS SHALL BE SEALED WITH NONCOMBUSTIBLE MATERIAL. FOR THOSE PENETRATIONS THAT ARE THROUGH FIRE-RATED WALLS, FLOORS OR CEILINGS, SEAL WITH MATERIAL THAT HAS THE SAME FIRE RATING AS THE WALL, FLOOR OR CEILING BEING PENETRATED. U.L. ASSEMBLIES FOR THROUGH PENETRATION SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY WORK BEING PERFORMED.
20. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO PROVIDE, AT NO ADDITIONAL COST TO THE OWNER, ALL REQUIRED PIPING, FITTINGS, OFFSETS, AND ELEVATION CHANGES TO ACCOMMODATE ROUTING AROUND OBSTRUCTIONS AND FOR ADDRESSING UNFORESEEN CONDITIONS ENCOUNTERED IN THE FIELD AND NEEDED TO COORDINATE WITH WORK OF OTHER CONTRACTORS. IT IS ALSO THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE MAIN AND AUXILIARY DRAINS TO COMPLY WITH NFPA 13 WHETHER OR NOT SHOWN ON THE APPROVAL SET.
21. THE DRAWINGS ARE THE "APPROVAL SET" OF DRAWINGS. THE DRAWINGS ARE INTENDED TO IDENTIFY THE SPRINKLER SYSTEM INSTALLATION FOR THE PURPOSE OF OBTAINING APPROVAL FROM REVIEWING AGENCIES. THE DRAWINGS ARE FURTHER INTENDED TO PROVIDE A CLEAR REPRESENTATION OF THE HAZARD TO BE PROTECTED, THE SYSTEM DESIGN CONCEPT, THE PROPOSED WATER SUPPLY CONFIGURATION AND BUILDING CONSTRUCTION INFORMATION PERTINENT TO SYSTEM LAYOUT.
22. THE CONTRACTOR SHALL PROVIDE FOR INSTALLING ADDITIONAL SPRINKLERS, ASSOCIATED PIPING AND ADDITIONAL OFFSETS BEYOND THAT NOTED ON THE APPROVAL SET OF DRAWINGS. THE CONTRACTOR SHALL INCORPORATE THE COST FOR DESIGN, APPROVAL, MATERIALS AND INSTALLATION FOR 10% ADDITIONAL OFFSETS AND 10% ADDITIONAL SPRINKLERS AND ASSOCIATED PIPING.
23. CHANGES TO THE APPROVAL SET OF DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND THE VA FOR APPROVAL. ADDING OR DELETING SPRINKLERS, MODIFYING PIPE SIZES, AND SIGNIFICANT CHANGES TO PIPE ROUTING SHALL BE SUBMITTED FOR APPROVAL. MINOR DEVIATIONS IN THE LOCATION OF SPRINKLERS AND PIPE ROUTING NEED NOT BE SUBMITTED FOR APPROVAL BUT SHALL BE RECORDED AND INCORPORATED INTO THE AS-BUILT DRAWINGS.
24. CHANGES SHALL BE CATEGORIZED AS REQUIRED OR ELECTIVE. REQUIRED CHANGES INCLUDE, BUT ARE NOT LIMITED TO, THE PROVISION OF ADDITIONAL SPRINKLERS DUE TO OBSTRUCTIONS OR ARCHITECTURAL CHANGES MADE DURING THE COURSE OF CONSTRUCTION. ELECTIVE CHANGES INCLUDE, BUT ARE NOT LIMITED TO, MODIFICATIONS TO THE DESIGN SHOWN ON THE APPROVAL SET TO ACCOMMODATE SUBSTITUTIONS OF SPRINKLER TYPES AND LOCATIONS; TYPE, SIZE, AND ROUTING OF PIPING PROPOSED BY THE CONTRACTOR FOR COST SAVING AND OTHER REASONS. THE COST OF REVIEWING, PROCESSING AND OBTAINING APPROVALS OF ELECTIVE CHANGES BY THE VA AND ENGINEER SHALL BE PAID BY THE CONTRACTOR.
25. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A PRE-APPROVED ANCHORAGE DESIGN SYSTEM(S) WITH COMPLETE STRUCTURAL CALCULATIONS. ANCHORAGE DESIGN SYSTEM(S) SHALL BE REVIEWED BY THE SEOR AND THE VA PRIOR TO ANY WORK BEING PERFORMED. ISAT SYSTEM IS PREFERABLE.

PROJECT DESCRIPTION

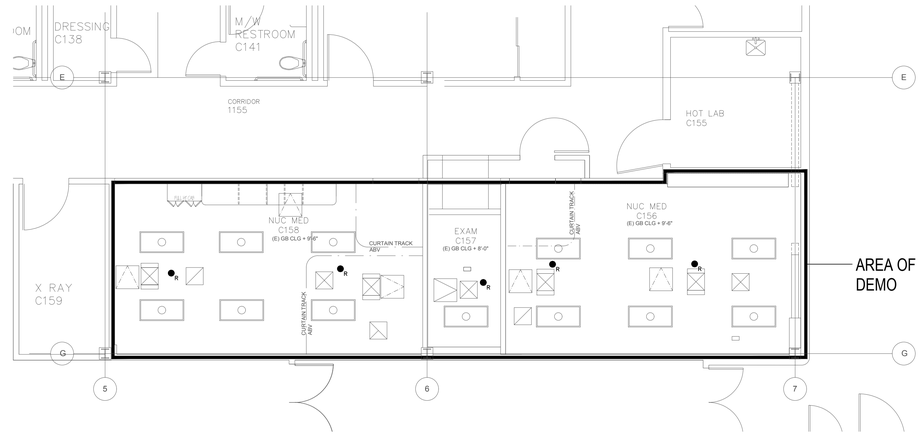
Rooms C156, C157, and C158 of VA Martinez has planned to undergo renovations for the installation of new CT Scanners. Per NFPA 13, the area is defined as a light hazard occupancy.

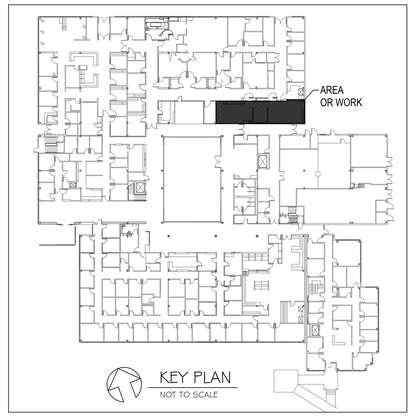
Piping for all sprinklers in the renovated areas shall be connected to existing branch lines. However, not more than two new sprinklers shall be connected downstream of a 1-inch diameter length of piping.

The building will be provided with an independent waterflow switch, inspectors test valve, drain assembly, control valve, and tamper switch. Waterflow switches and tamper switches will require integration with the existing fire alarm system.

LEGEND

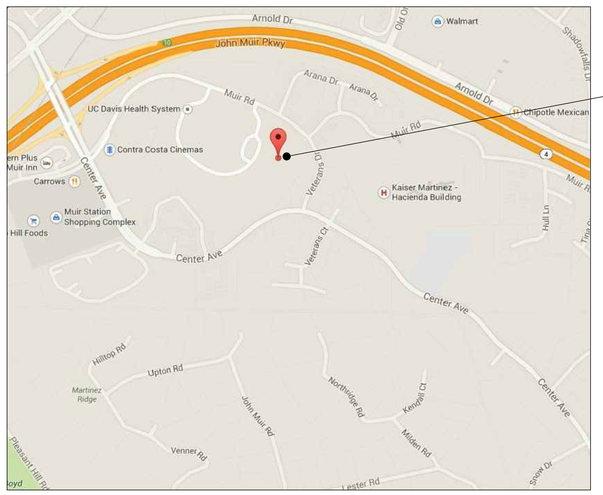
- ● QUICK RESPONSE CONCEALED PENDENT SPRINKLER – TYCO MODEL RF II (K=5.6) SIN=TY3531
- ●R SPRINKLER HEAD TO BE REMOVED





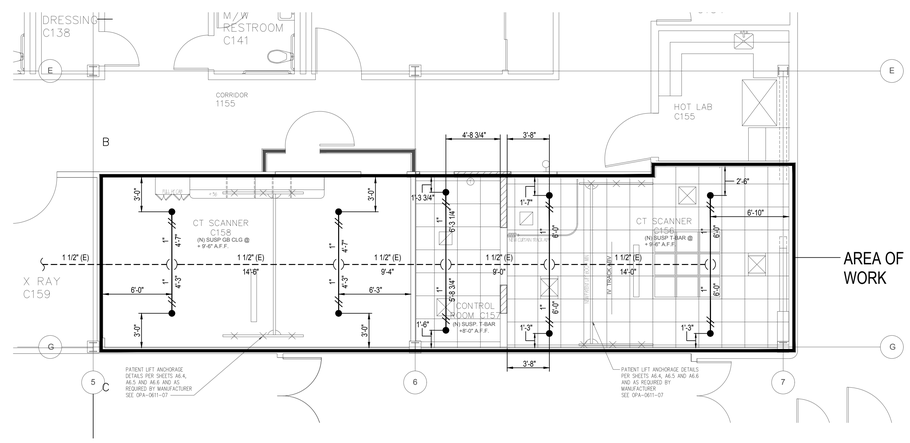
AUTOMATIC FIRE SPRINKLER SYSTEM REFLECTED CEILING PLAN (DEMO) - CT SCANNER PREP

SCALE = 3/16" = 1'-0"



VICINITY MAP

SCALE: NTS



AUTOMATIC FIRE SPRINKLER SYSTEM REFLECTED CEILING PLAN (NEW WORK) - CT SCANNER PREP

SCALE = 3/16" = 1'-0"

SHEET NOTES

1. SEISMIC RESTRAINTS SHALL BE ARRANGED IN WHERE THEY ARE NOT IN EXCESS OF 6 INCHES FROM POINT OF CONNECTION TO BRANCH LINE CENTER LINE. SEISMIC BRACING SHALL NOT BE PROVIDED ON 1-INCH BRANCH LINES.
2. THE HAZARD CLASSIFICATION FOR THE NEWLY RENOVATED SPACE REMAINS THE SAME AS THE PREVIOUS LAYOUT (LIGHT HAZARD CLASSIFICATION). AS A RESULT, THE HYDRAULIC DEMAND REQUIREMENTS REMAIN UNCHANGED. HYDRAULIC CALCULATIONS ARE NOT REQUIRED.
3. EXISTING RISER NIPPLE PIPING SHALL NOT BE REUSED. RISER NIPPLES SHALL BE NEW 1 INCH STEEL PIPING. EXISTING CONNECTIONS TO THE MAIN MAY BE REUSED, WHERE APPROPRIATE.
4. LOCATIONS OF EXISTING UPRIGHT SPRINKLERS SHALL REMAIN.
5. NUC MED C158 CONTAINS A PARTIAL LEAD-BACKED DRYWALL CEILING. ALL PENETRATIONS INTO THIS CEILING SHALL BE PERFORMED ACCORDING TO DETAIL 5 ON SHEET A6.2.

GRAPHIC SCALE 3/16"= 1'-0"

100% CONSTRUCTION DOCUMENTS

Revisions:	Date

CONSULTANTS:

ZARI CONSULTING GROUP

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(888) 779-3397

LICENSED PROFESSIONAL ENGINEER JOSEPH R. ZARI No. FP 1126 Exp. 06/30/2016 FIRE PROTECTION STATE OF CALIFORNIA

ARCHITECT/ENGINEERS: HFP JOB #04-14

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Drawing Title	AUTOMATIC FIRE SPRINKLER SYSTEM
Approved: Project Director	
Project Title	CT SCANNER PREP VA NORTHERN CALIFORNIA HEALTHCARE SYSTEM
Project Number	612-14-037
Building Number	19
Location	MARTINEZ, CA
Date	06/26/2015
Checked	JZ
Drawn	RWDS
Drawing Number	FP1.1
Dwg. 1 of 1 42	

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231