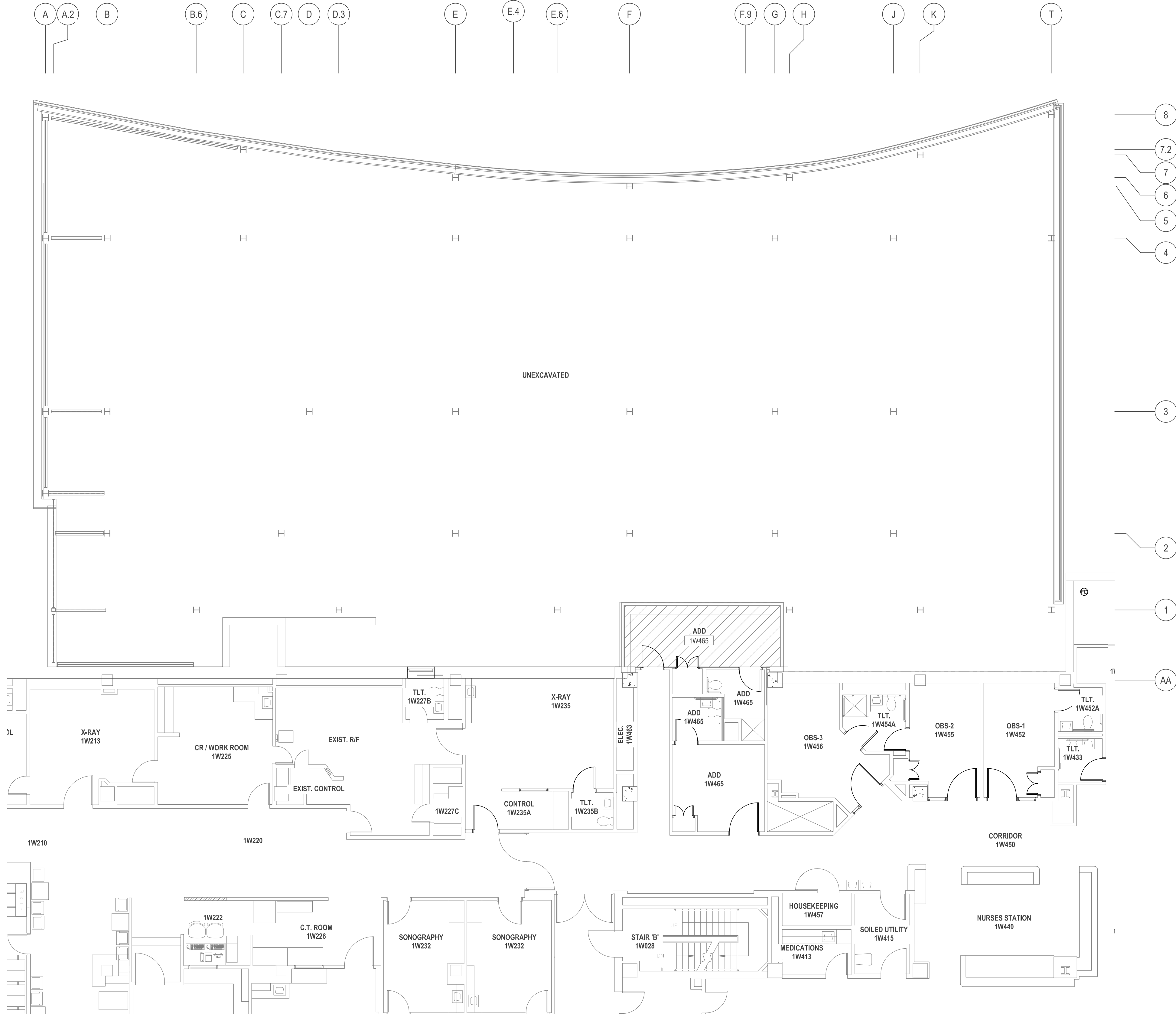


Z:\A\Drawings\Submittal\Drawings\12040 - Fire Protection\12040-1\FP200.dwg, 11/10/2013, 11:00 AM

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



1 Partial First Floor Plan - Fire Protection
FP200/ 1/8" = 1'-0"

SPRINKLER SYSTEM ZONING NOTES

- EXISTING SPRINKLERS IN THIS ROOM TO BE RELOCATED TO ACCOMMODATE RENOVATION AND SHALL SERVED BY EXISTING SPRINKLER SYSTEM THIS AREA (LIGHT HAZARD).
- NEW UPRIGHT SPRINKLERS IN THESE ROOMS TO BE SERVED BY NEW SPRINKLER CONTROL VALVE - 2ND FLOOR - AMBULATORY - SEE SHEET FP201 FOR ADDITIONAL INFORMATION (ORDINARY HAZARD GROUP 1).

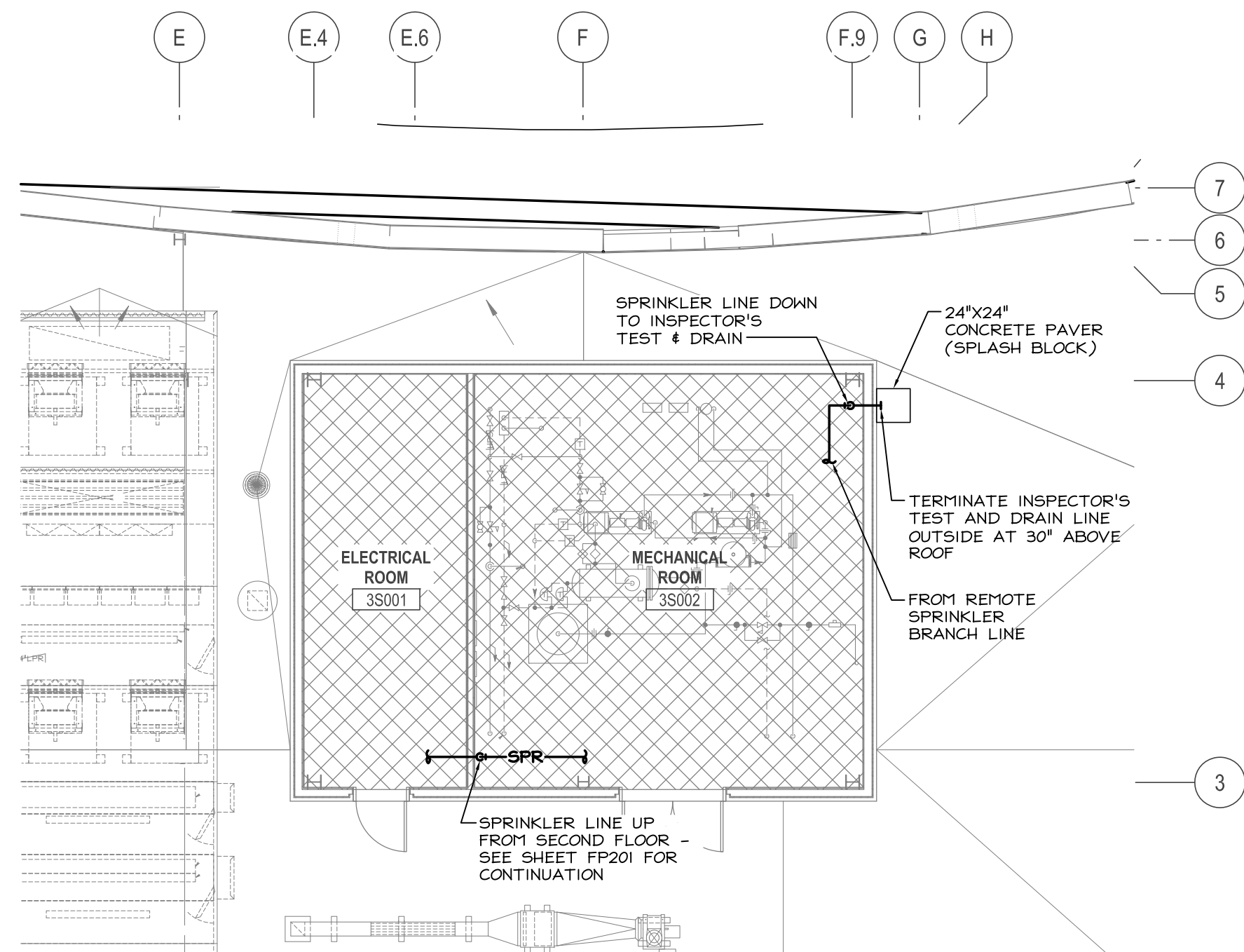
TO DETERMINE SPACING AND SIZING OF SPRINKLER SYSTEM, USE THE FOLLOWING DATA:
LIGHT HAZARD - 10 GPM OVER MOST REMOTE 1500 SQ. FT., MAXIMUM SPRINKLER COVERAGE SHALL BE 225 SQ. FT. PER SPRINKLER (PATIENT CARE, TREATMENT, CUSTOMARY ACCESS AND SIMILAR AREAS)
ORDINARY HAZARD GROUP 1 - 15 GPM OVER MOST REMOTE 1500 SQ. FT., MAXIMUM SPRINKLER COVERAGE SHALL BE 150 SQ. FT. PER SPRINKLER (MECHANICAL EQUIPMENT ROOMS, INTERSTITIAL SPACES, TRANSFORMER ROOMS, ELECTRICAL SWITCHGEAR ROOMS, ELECTRICAL CLOSETS, ELEVATOR MACHINE ROOMS AND SIMILAR AREAS)
ORDINARY HAZARD GROUP 2 - 2 GPM OVER MOST REMOTE 1500 SQ. FT., MAXIMUM SPRINKLER COVERAGE SHALL BE 150 SQ. FT. PER SPRINKLER (STORAGE ROOMS, TRASH ROOMS, CLEAN AND SOILED LINEN ROOMS AND SIMILAR AREAS)

FIRE PROTECTION SYMBOLS AND ABBREVIATIONS

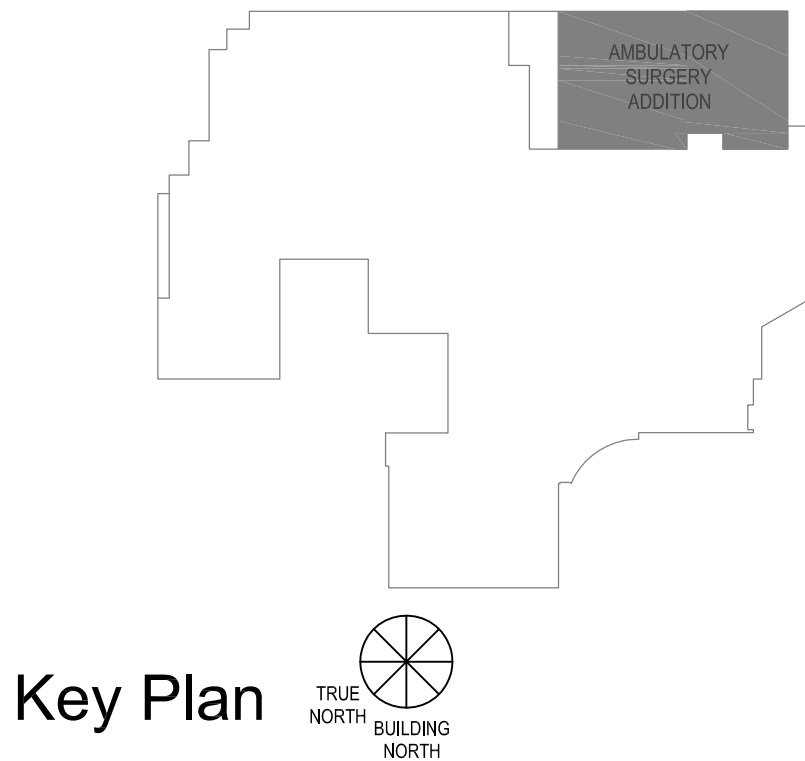
- FIRE LINE
- WET SPRINKLER LINE
- OS & Y VALVE WITH TAMPER SWITCH
- WATERFLOW INDICATOR
- CHECK VALVE
- RISE
- DROP
- STANDPIPE
- PRESENT TO REMAIN
- KEYED FIRE PROTECTION NOTE DESCRIBING WORK TO BE DONE





FIRE PROTECTION GENERAL NOTES

- ALL WORK SHOWN IS NEW UNLESS INDICATED OTHERWISE.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS PRIOR TO THE FABRICATION OR INSTALLATION OF ANY PIPING.
- THE DRAWINGS ARE DIAGRAMMATIC, THE CONTRACTOR MUST FIELD VERIFY ACTUAL CONDITIONS AT THE SITE PRIOR TO PROCEEDING WITH THE WORK.
- ALL EXISTING SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS.
- ALL NEW PIPING SHALL BE INSTALLED IN SUCH A WAY THAT IT DOES NOT HAMPER ACCESS TO EXISTING VALVES, ACCESS DOORS OR EQUIPMENT.
- ENTIRE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 LATEST EDITION.
- CAP EXISTING SPRINKLER PIPING AS NECESSARY TO ENSURE THAT AREAS OUTSIDE OF CONSTRUCTION AREA REMAIN IN OPERATION THROUGHOUT PROJECT DURATION. ANY SHUTDOWN OF FIRE PROTECTION SYSTEM SHALL BE COORDINATED WITH VA COTR PRIOR TO SHUTDOWN.
- PATCH ALL OPENINGS IN EXISTING CONSTRUCTION WHERE FIRE PROTECTION PIPING HAS BEEN REMOVED, OR WHERE FIRE PROTECTION PIPING TO REMAIN IS NOT SEALED. MAINTAIN EXISTING RATING.
- ALL PIPING SHALL BE STEEL PER THE SPECIFICATIONS. PLASTIC SHALL NOT BE PERMITTED.
- THE NEW SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED. CALCULATIONS SHALL BE BASED ON CURRENT FIRE PUMP FLOW TEST DATA FOR FACILITY - OBTAIN RECENT FIRE PUMP FLOW TEST DATA (LESS THAN 1 YEAR FROM FINAL ISSUE DATE OF CONTRACT DRAWINGS) FROM COTR TO PERFORM CALCULATIONS. MOST RECENT (6/13/2012) FIRE PUMP FLOW DATA IS AS FOLLOWS: EXISTING 1000 GPM FIRE PUMP RATED AT 50 PSI, CHURN = 130 PSI DISCHARGE, 75 PSI SUCTION; 504 GPM = 120 PSI DISCHARGE, 71 PSI SUCTION; 1004 GPM = 114 PSI DISCHARGE, 63 PSI SUCTION; 1367 GPM = 84 PSI DISCHARGE, 51 PSI SUCTION.
- USE FM APPROVED QUICK RESPONSE SPRINKLERS IN ALL AREAS UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS.



2 Partial Roof Plan (Penthouse) - Fire Protection
FP200/ 1/8" = 1'-0"



		CONSULTANTS:		ARCHITECT/ENGINEERS:		IKM Project No. 12-047		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management					
		 Consulting Engineers						 architecture planning interior design IKM Incorporated One PPG Place Pittsburgh, PA 15222 Phone: 412-281-1337 Contact: Joe Obritz		Partial Floor Plans - Fire Protection		AMBULATORY SURGERY ADDITION REDESIGN				562-311			
		8150 Perry Highway, Suite 302 Pittsburgh PA, 15237 Phone: 412-369-9020 Contact: Mark Sipos		The Gateway Engineering, Inc. A Full Service Civil Engineering Firm 400 Holiday Drive, Suite 300 Pittsburgh PA, 15220 Phone: 412-921-4030 Contact: Sean Donnelly		1500 ARMOUR BOULEVARD, SUITE 200 PITTSBURGH, PA 15211 (412) 271-1200 FAX: 271-6193 FAX FILE NO. 12006				Approved: Project Director		Location VAMC 135 EAST 38th STREET, ERIE PENNSYLVANIA, 16504				Drawing Number			
		Revisions:		Date						Date		Checked				Drawn		FP200	
										12 MAR 2013		DEE				JG		Dwg. 73 of 86	