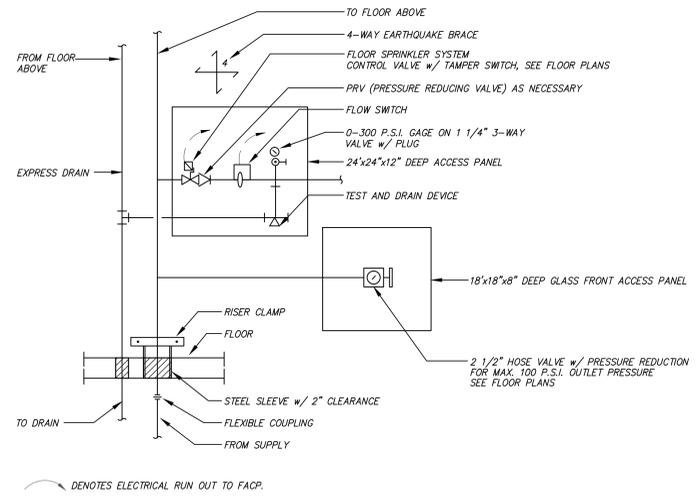
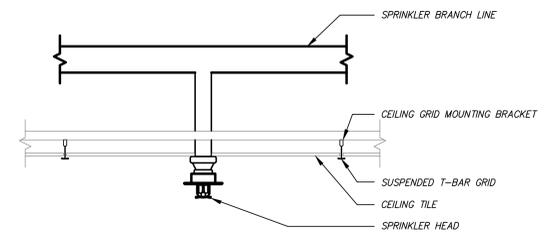


FIRE SUPPRESSION GENERAL NOTES

- 15.1 GENERAL NOTES: THE WORK TO BE COMPLETED UNDER THIS CONTRACT IS TO INCLUDE NECESSARY EQUIPMENT, MATERIALS, LABOR AND INSPECTION NECESSARY IN PROVIDING A FULLY OPERATIONAL SYSTEM FOR THE INTENT AND REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS AS WELL AS THE SUBCONTRACTOR CONTRACT DOCUMENT. ALL WORK EQUIPMENT AND FINISHED SYSTEMS ARE TO BE OF THE HIGHEST STANDARDS AND CONFORM WITH THE BEST MODERN PRACTICES. THIS WORK IS TO BE COMPLETED WITH THE UNDERSTANDING THAT A LIMITED AMOUNT OF DETAIL CAN BE AFFORDED BY THE LARGE SCALE DRAWING REPRESENTATIONS OF THE REQUIRED SYSTEM. DUE TO THE NATURE OF THIS LIMITATION IT IS EXPECTED OF THE CONTRACTOR TO PROVIDE THE NECESSARY PRODUCTS AND LABOR TO MEET THE INTENT OF THE DOCUMENTS AND REQUEST FURTHER INFORMATION WHERE THE FULL INTENT CANNOT BE DETERMINED OR IS DETERMINED TO BE ERROR. SUCH OCCURRENCES ARE TO BE ASSUMED AND INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AND PRICING.
- 15.2 CODES AND STANDARDS: ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST ADOPTED STATE AND NATIONAL CODES AS WELL AS INDUSTRY STANDARDS (I.E. ASHRAE, ASME, AND SMACNA ETC.) COVERING SUCH WORK. THIS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING WORK SHOWN OR SPECIFIED WHICH MAY EXCEED THE REQUIREMENTS OF SUCH ORDINANCES, LAWS, REGULATIONS AND CODES.
- 15.3 WORKMANSHIP AND INSTALLATION: ALL WORK COMPLETED ON THE PROJECT IS TO BE DONE SO IN A PROFESSIONAL MANNER UTILIZING THE BEST MODERN PRACTICES AND INSTALLATION TECHNIQUES. UNLESS OTHERWISE NOTED ALL EQUIPMENT, PIPING, DUCTWORK, FITTINGS ETC. ARE TO BE INSTALLED LEVEL AND TRUE, PARALLEL AND/OR PERPENDICULAR TO THE BUILDING STRUCTURE AND WALLS. COORDINATION DRAWINGS ARE TO BE COMPLETED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK PROVIDING THE CONTRACTOR A FULL WORKING KNOWLEDGE OF THE TASK AT HAND. ALL WORK IS TO BE LAD OUT ON SITE BY THE CONTRACTOR TO ENSURE PROPER FIT, ORIENTATION AND COORDINATION WITH OTHER BUILDING TRADES PRIOR TO INSTALLATION. FIELD CHANGES ARE TO BE APPROVED AS REQUIRED BY ACTUAL CONSTRUCTION CONDITIONS AND THE CONTRACTOR IS TO ALLOW SHIFTS, RELOCATIONS, RECONFIGURATIONS OF ANY EQUIPMENT OR MATERIAL UP TO 10'. LACK OF ADHERENCE TO ANY OF THE ABOVE MENTIONED REQUIREMENTS WILL NOT CONSTITUTE NOR WILL BE ALLOWED, A CHANGE IN SCOPE OR ALLOWANCE OF ADDITIONAL FEES.
- 15.4 ALL COMPONENTS OF THE PLUMBING SYSTEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE PUBLISHED MANUFACTURERS REQUIREMENTS AND DETAILS. ANY CONFLICTS BETWEEN THE MANUFACTURERS REQUIREMENTS AND THE CONTRACT DOCUMENTS ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- 15.5 COPYRIGHT: THESE PLANS, SPECIFICATIONS AND ALL RELATED APPENDIX AND DOCUMENTS CONSTITUTE COPYRIGHT MATERIALS OF J.P. ENGINEERING. THESE MATERIALS SHALL REMAIN THE SOLE PROPERTY OF J.P. ENGINEERING, AND MAY NOT BE REPRODUCED, DISTRIBUTED TO OTHER OR USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF J.P. ENGINEERING.
- 15.6 CLARIFICATIONS: DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF THE WORK INTENDED TO BE COMPLETED UNDER THE SCOPE OF THIS PROJECT. ALL DATA PROVIDED ON THESE DRAWINGS IS TO BE FIELD VERIFIED AS THE LARGE SCALE OF PLANS DOES NOT AFFORD EXACT REPRESENTATION OF ALL CONDITIONS. EXAMPLES OF REPRESENTATIONS NOT ALWAYS AFFORDED BY THE LARGE SCALE OF THE DRAWINGS ARE OFFSETS IN DUCTWORK OR PIPING, EXACT LOCATION OF VALVES, FITTINGS, ACTUATORS, AND DAMPERS ETC.
- 15.7 COORDINATION: CIVIL, ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION AND ELECTRICAL DRAWINGS ALL CONTAIN DETAILING REGARDING THE INSTALLATION OF FIRE SUPPRESSION SYSTEMS. THE CONTRACTOR IS TO REVIEW ALL PROJECT DRAWING, SPECIFICATIONS AND APPENDIX FOR RELEVANT INFORMATION TO THEIR INSTALLATION.
- 15.8 PRODUCT DELIVERY AND STORAGE: PRODUCTS ARE TO BE DELIVERED TO THE SITE IN SUCH A MANNER AS TO PREVENT DAMAGE (OTHER THAN NATURAL OR HUMAN CAUSED) TO THE EQUIPMENT OR MATERIALS. SHIPPING AND DELIVERY IS TO BE COMPLETED AS REQUIRED BY THE MANUFACTURER. PRODUCTS ARE TO BE DELIVERED TO THE SITE IN THE MANUFACTURERS SHIPPING CONTAINER OR PACKAGING WITH MANUFACTURERS LABELS STILL ATTACHED. DELIVERIES OF EQUIPMENT AND MATERIAL ARE TO BE SCHEDULED TO MINIMIZE UNINSTALLED TIME ON THE JOBSITE. CONTRACTOR IS TO INSPECT ALL EQUIPMENT AND MATERIAL FOR DAMAGE OR DEFACEMENT AND TAKE NECESSARY STEPS TO PROVIDE REPAIR OR REPLACE DAMAGED ITEMS PRIOR TO INSTALLATION.
- 15.9 ACCESSIBILITY: ALL EQUIPMENT, VALVES, ACTUATORS, ETC. ARE TO BE POSITIONED AND INSTALLED SUCH THAT THEY ARE EASILY ACCESSIBLE. CARE IS TO BE TAKEN TO ENSURE PROPER MAINTENANCE AND OPERATIONAL ACCESS AND CLEARANCE IS PROVIDED FOR ADJUSTMENT AND SERVICE OF THE INSTALLED SYSTEMS.
- 15.10 GUARANTEE: THE CONTRACTOR SHALL GUARANTEE THE COMPLETE FIRE SUPPRESSION SYSTEMS, AND ALL PORTIONS THEREOF THE SUBCONTRACTOR CONTRACT DOCUMENT.
- 15.11 RECORD DRAWINGS: RECORD DRAWINGS ARE TO BE PROVIDED IN ACCORDANCE WITH THE SUBCONTRACTOR CONTRACT DOCUMENT.
- 15.12 PIPING: ALL PIPING IS TO BE SHIPPED, STORED, AND INSTALLED IN ACCORDANCE WITH THE BEST MODERN PRACTICES AND THE GENERAL NOTES SECTION OF THIS SPECIFICATION. DRAWINGS INDICATE GENERAL LOCATION AND ROUTING OF ALL PIPING. THE LAYOUT AS SHOWN WAS USED FOR CALCULATIONS CALCULATING ALL VARIABLES IN THE PIPING SYSTEMS OPERATIONS AND THEREBY IS TO BE INSTALLED AS DETAILED UNLESS OTHERWISE PERMITTED BY THE ENGINEER.  
ALL PIPING IS TO BE INSTALLED IN CONCEALED FROM VIEW AND PROTECTED CONTACT UNLESS OTHERWISE NOTED. IN ACCESSIBLE CEILING AREAS INSTALL PIPING ALLOWING PROPER REMOVAL OF TILES. PIPING IS TO BE INSTALLED FREE OF SAGS AND BENDS AND PARALLEL OR AT RIGHT ANGLES TO MAIN BUILDING STRUCTURAL FEATURES. PIPING IS ALSO TO BE INSTALLED TO FACILITATE ACCESS TO ALL VALVES, FLANGES, UNIONS AND OTHER ACCESSORIES REQUIRING MAINTENANCE AND OPERATION ACCESS.  
REAM THE ENDS OF PIPES TO REMOVE BURRS AND BEVEL THE ENDS OF STEEL PIPES. CAP OPEN ENDS OF PIPING TO PREVENT DEFORMATION OF PIPE ENDS AND CONSTRUCTION DEBRIS ENTERING THE PIPING. MANUFACTURED FITTINGS ARE TO BE USED FOR CHANGE IN DIRECTION AND BRANCH FITTINGS. PIPING IS TO BE INSTALLED AT SLOPES INDICATED ON THE DRAWING OR IN THIS SPECIFICATION. ELECTRIC UNIONS OR FLANGES ARE TO BE INSTALLED AT CONNECTION OF ALL DISSIMILAR METALS. PROVIDE SWING JOINTS OR UNIONS AT CONNECTION TO ALL EQUIPMENT. AUTOMATIC AIR VENTS ARE TO BE PROVIDED AT THE HIGH POINTS OF ALL CLOSED WATER SYSTEMS.
- 15.13 SUPPORT: ALL BUILDING FIRE SUPPRESSION SYSTEM PIPING ARE TO BE SUPPORTED FROM BUILDING STRUCTURAL SUPPORT MEMBERS OR WALLS. HANGERS, SUPPORTS, CLAMPS AND STRUTS ARE TO BE USED FOR SUPPORT. OTHER PIPING, DUCTWORK, CONDUIT ETC. SHALL NOT BE USED FOR SUPPORT UNDER ANY CIRCUMSTANCES. SUPPORTS ARE TO BE INSTALLED ALLOWING CONTROLLED MOVEMENT NECESSARY FOR EXPANSION, CONTRACTION AND SEISMIC EVENTS. ALL SUPPORTS ARE TO BE LATERALLY BRACED IN OPPOSING DIRECTIONS TO LIMIT UNNECESSARY MOVEMENTS. PROVIDE HANGERS AS REQUIRED BY BELOW MENTIONED CODES AS WELL AS AT ALL CHANGES IN DIRECTION, PENETRATION OF BUILDING FLOORS AND AT THE CONNECTION TO EACH FIELD OF EQUIPMENT. HANGERS ARE TO BE POSITIVELY ANCHORED TO CONCRETE, STEEL, OR WOOD BUILDING SYSTEMS FOR ABSOLUTE SUPPORT. HANGER SHALL BE ADJUSTABLE IN TYPE ALLOWING PROPER SLOPE IN PIPING AND LOAD DISTRIBUTION. HANGER USED FOR INSULATED PIPING ARE TO BE PROVIDED WITH CLAMPS THERMAL SHIELDS SIZED FOR THE OVER O.D. OF PIPING AND INSULATION PREVENTING BREAKS AND DEFORMATION IN THE INSULATING MATERIAL BY CLAMPS. HANGER MATERIAL IS TO MATCH THAT OF THE PIPE BEING SUPPORTED OR TO AVOID DISSIMILAR METAL CONTACT. SEISMIC RESTRAINT TO BE PROVIDED AS REQUIRED BY THE LOCAL CODE AND AUTHORITY HAVING JURISDICTION.
- 15.14 SLEEVES: CONTRACTOR IS TO PROVIDE SLEEVES WHERE PIPING PENETRATES FLOOR SLABS EXTERIOR WALLS AND ROOFS. SLEEVES ARE NOT REQUIRED WHERE HOLES ARE CORE DRILLED AND CORES ALLOW A MINIMUM OF 1" CLEAR SPACE AROUND THE PIPE PASSING THROUGH. GALVANIZED PIPE SLEEVES WITH SLEEVE SEAL SYSTEM ARE TO BE INSTALLED AT ANY PENETRATIONS THROUGH SLAB ON GRADE AND EXTERIOR WALL PENETRATIONS. SLEEVES SYSTEMS ARE TO BE SIZED TO ALLOW 1" CLEAR SPACE AROUND THE PIPE. GALVANIZED PIPE SLEEVES ARE TO BE INSTALLED ON INTERIOR FLOOR PENETRATIONS AND ROOF PENETRATIONS.
- 15.15 ESCUTCHEONS: ESCUTCHEONS ARE TO BE PROVIDED ON ALL PIPE PENETRATIONS OF FLOORS, WALLS AND CEILINGS. ESCUTCHEONS ARE TO BE ONE-PIECE STAMPED STEEL WITH A CHROME FINISH AND SPRING POSITIONING CLAMPS. ESCUTCHEONS ARE TO BE SIZED AS MINIMALLY AS POSSIBLE TO FIT OVER PIPE AND INSULATION AND AS REQUIRED TO COVER THE ENTIRE PENETRATION. EXCEPT IN THE CASE OF ACUSTIC CEILINGS THE JOINT BETWEEN THE ESCUTCHEON AND SURFACE PENETRATES IS TO BE FINISHED WITH SLOUICE; COLOR TO MATCH THE SURFACE. ON MILL METAL FINISHES CLEAR SLOUICE IS TO BE USED.
- 15.16 FIRE PROTECTION: THE BUILDING CURRENTLY HAS A WET PIPE FIRE SYSTEM THAT WILL NEED RENOVATION TO MEET THE NEW SPACE NEEDS AND CODE REQUIREMENTS. THE FIRE PROTECTION SYSTEM IS TO BE DESIGNED BY A QUALIFIED LICENSED PROFESSIONAL TO PROVIDE COMPREHENSIVE DESIGN CALCULATIONS AND SHOP DRAWINGS FOR SAID SYSTEMS. ALL DESIGN DATA IS TO BE PROVIDED TO THE ENGINEER FOR REVIEW DURING THE SUBMITTAL PROCESS AND TO THE AUTHORITY HAVING JURISDICTION AS A DEFERRED BUILDING DEPARTMENT SUBMITTAL. THE SYSTEM IS TO ADHERE TO THE FOLLOWING CRITERIA AND STANDARDS:  
THE PROPOSED WET PIPE FIRE SUPPRESSION SYSTEM IS TO BE DESIGNED AND INSTALLED AS REQUIRED BY NFPA 13. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL ENGINEERING, DESIGN, FLOW TESTING, INSTALLATION AND WARRANTY OF THE AUTOMATIC FIRE SYSTEM MEETING THE REQUIREMENTS OF THIS SPECIFICATION AND ALL GOVERNING CODES. ALL PIPING IN THE FIRE SYSTEM IS TO BE BLACK STEEL PIPE WITH GROOVE-LOCK FITTINGS. ALL FIRE SPRINKLERS ARE TO BE LISTED PER U.S. FIRE PROTECTION EQUIPMENT DIRECTORY OR FM GLOBAL'S APPROVAL GUIDE. THE SYSTEM IS TO BE DESIGNED AND INSTALLED SUCH THAT IT CAN WITHSTAND SUPPLY PRESSURE OF 300 PSIG. ALL PIPE AND FITTINGS ARE TO MEET OR EXCEED THESE REQUIREMENTS.  
SPRINKLER SYSTEMS ARE TO BE SLOPED TO ALLOW FOR COMPLETE DRAINAGE OF THE SYSTEM. INSTALL DRAIN VALVES AS REQUIRED FOR PROPER DRAINING. INSTALL NEW ALARM FOR FIRE SUPPRESSION PIPING SERVING THE NEW SPACE AND THE EXISTING (N) FIRE ALARM SYSTEM PROVIDED BY OTHERS. ALL PIPING INSTALLATION SHALL BE IN ACCORDANCE WITH THE PIPING SPECIFICATIONS OF THIS SPECIFICATION.  
THE EXISTING FIRE SUPPRESSION SYSTEM IS TO BE REVISED AS REQUIRED IN EXISTING AREAS, ADDED TO AND EXTENDED INTO ALL NEW AREAS. RELOCATED ALL FIRE SUPPRESSION HEADS AS REQUIRED BY THE NEW, REMOVED AND RELOCATED CEILINGS THROUGHOUT THE SPACE.  
THE INFORMATION ON THIS SHEET IS INTENDED AS A SCHEMATIC REPRESENTATION OF THE WORK TO BE COMPLETED. ALL WORK IS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR COMMENCEMENT OF ANY WORK. NO ADDITIONAL FEES WILL BE ALLOWED DUE TO LACK OF FIELD VERIFICATION.  
SPRINKLER HEADS IN T-BAR CEILING TYPES ARE TO BE INSTALLED IN THE CENTER OF THE ACOUSTICAL TILE. DRY TYPE SYSTEM AND HEADS ARE TO BE PROVIDED IN AREAS THAT ARE SUBJECT TO FREEZE.  
CONTRACTOR IS TO PROVIDE A SPRINKLER CABINET CONTAINING THE NUMBER REQUIRED BY NFPA 13 OF EACH TYPE OF HEAD USE IN THE BUILDING AND NECESSARY TOOLS TO REPLACE.  
FIRE SUPPRESSION CONTRACTOR IS TO FIELD COORDINATE THE INSTALLATION OF THE SYSTEM WITH ALL TRADES PRIOR TO COMMENCEMENT OF THEIR WORK. SHOULD THE FIRE SUPPRESSION SYSTEM IN CONFLICT WITH ANY OTHER TRADE THAT IS NOT EASILY RECTIFIED BY SAID TRADE THE FIRE SUPPRESSION CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATING THEIR SYSTEM. NO ADDITIONAL FEES WILL BE ALLOWED DUE TO A LACK OF FIELD COORDINATION WITH OTHER TRADES INCLUDING ANY COSTS INCURRED BY A REDDION OF THE SYSTEM DUE TO THE CONFLICT. IT IS UNDERSTOOD THAT MUCH OF THE FIRE SUPPRESSION SYSTEM IS FACTORY FITTED FOR FIELD ASSEMBLY. THIS FACT DEMONSTRATES THE NEED FOR FIELD COORDINATION PRIOR TO CONSTRUCTION. SHOULD THE ENGINEER PROVIDE ANY DESIGN DRAWINGS TO THE FIRE PROTECTION CONTRACTOR FOR PRELIMINARY COORDINATION THE CONTRACTOR IS STILL OBLIGATED TO COORDINATE THEIR WORK WITH ALL TRADES PRIOR TO COMMENCEMENT OF WORK. COORDINATION DOCUMENTATION PROVIDED BY THE ENGINEER IS FOR SCHEMATIC COORDINATION AND REPRESENTS NO DETAIL LEVEL HIGHER THAN THAT. SHOULD A CONFLICT ARISE DUE TO COORDINATION WITH ONLY THE DESIGN DRAWINGS IT WILL BE THE FIRE SUPPRESSION CONTRACTORS RESPONSIBILITY OR RELOCATE THEIR WORK AT NO ADDITIONAL COST TO THE OWNER.
- 15.17 SEISMIC RESTRAINT: ALL FIRE SUPPRESSION SYSTEM PIPING AND EQUIPMENT IS TO BE SEISMICALLY RESTRAINED PER THE NFPA, AMERICAN SOCIETY OF CIVIL ENGINEERS AND STRUCTURAL ENGINEERING INSTITUTE. RESTRAINT SYSTEMS ARE TO BE COMPLETED IN A "DESIGN BUILD" FASHION BY THE AWARDED CONTRACTOR AND ARE TO BE INCLUDED IN THE PROJECT BID. THE CONTRACTOR IS TO ENLIST A QUALIFIED LICENSED PROFESSIONAL TO PROVIDE COMPREHENSIVE DESIGN CALCULATIONS AND SHOP DRAWINGS FOR SAID SYSTEMS. ALL DESIGN DATA IS TO BE PROVIDED TO THE ENGINEER AND AUTHORITY HAVING JURISDICTION FOR REVIEW DURING THE SUBMITTAL PROCESS.

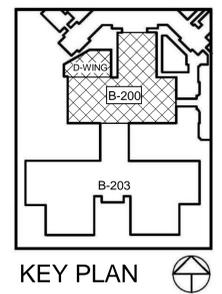


A TYPICAL FLOOR CONTROL ASSEMBLY  
SCALE: NO SCALE



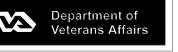
B TYPICAL CEILING TILE HEAD ASSEMBLY  
SCALE: NO SCALE

LINE TYPE	ABBREVIATION	INTENT
	UP	PIPE UP
	DN	PIPE DOWN
	-	WET SYSTEM PIPING
	-	WET SYSTEM UPRIGHT SPRINKLER
	-	WET SYSTEM PENDENT SPRINKLER
	-	WET SYSTEM UPRIGHT & PENDENT SPRINKLER
	-	DRY SYSTEM PIPING
	-	DRY SYSTEM UPRIGHT SPRINKLER
	-	DRY SYSTEM PENDENT SPRINKLER
	-	DRY SYSTEM UPRIGHT & PENDENT SPRINKLER
	-	SIDEWALL SPRINKLER
	P.O.D.	POINT OF DISCONNECT
	P.O.C.	POINT OF CONNECTION
	(N)	NEW
	(E)	EXISTING
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	BFF	BELOW FINISHED FLOOR
	BFG	BELOW FINISHED GRADE
	MIN	MINIMUM
	TYP	TYPICAL
	GPM	GALLON PER MINUTE



FINAL BID DOCUMENTS

Office of Construction and Facilities Management



HILLIARD ARCHITECTS INC. COPYRIGHT

CONSULTANTS:

**JP ENGINEERING**

ADDENDUM 1  
Revisions:

07/01/16  
Date

10597 Double R Blvd.  
Reno, Nevada 89521

P: 775.852.2337  
F: 775.852.2352



ARCHITECT/ENGINEERS:

**HILLIARD ARCHITECTS**

HILLIARD ARCHITECTS, INC  
1330 Broadway, Suite 1111  
Oakland, CA 94612  
Tel 415 989 6400, Fax 415 989 3056  
www.HilliardArchitects.com

Drawing Title  
**FIRE SUPPRESSION NOTES & DETAILS**

Approved: Project Director

Project Title  
**EXPAND CLINICAL OR AND SURGERY**

Project Number  
662-6118

Building Number  
200 & 203

Drawing Number  
**FS 1.00**

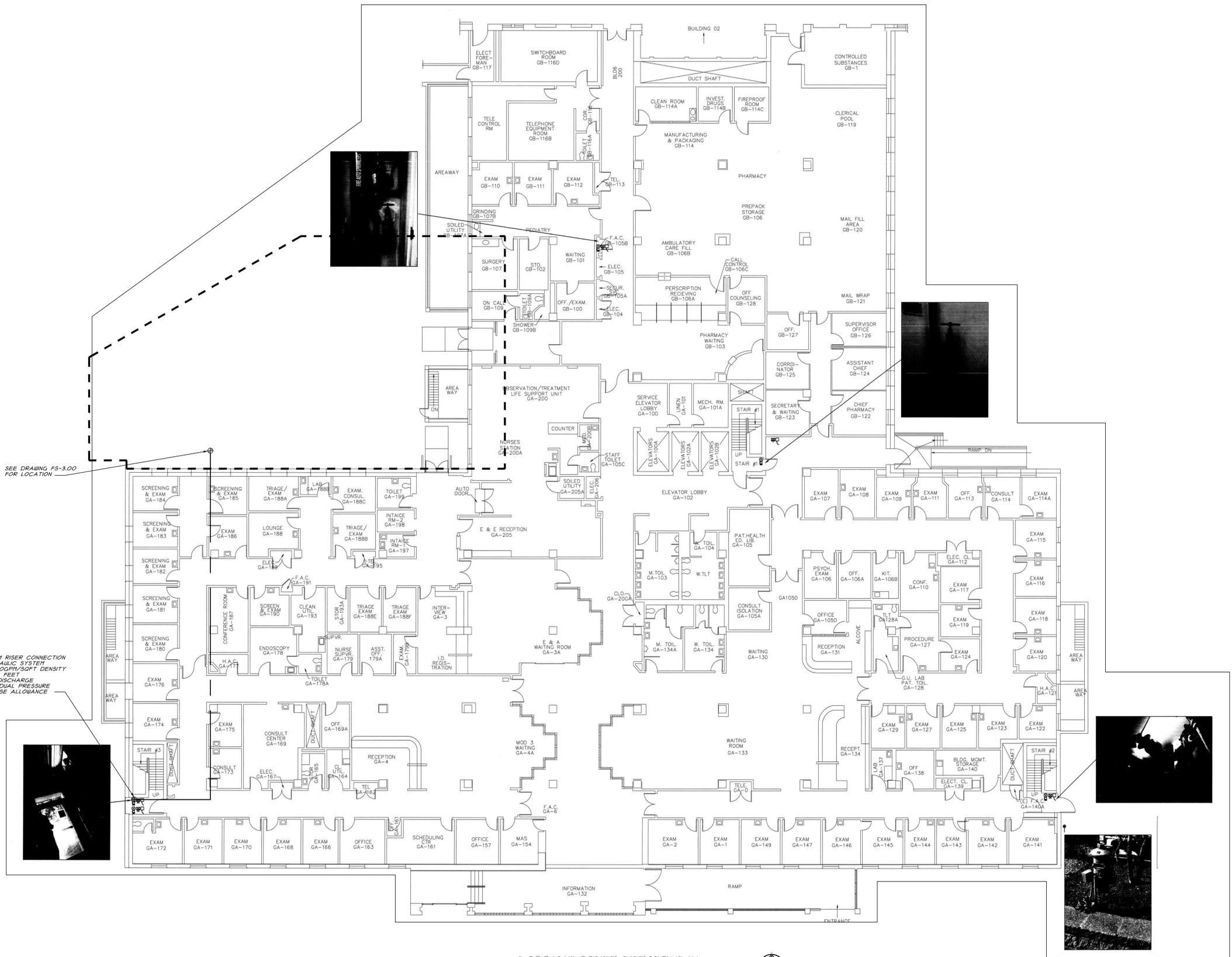
Dwg. 77 of 148

Date  
06/30/2016

Checked  
JPS

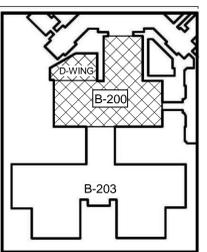
Drawn  
SME

three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot



SEE DRAWING FS-3.00 FOR LOCATION

EXISTING SYSTEM RISER CONNECTION LOCATION HYDRAULIC SYSTEM DESIGNED FOR 100 GPM/30FT DENSITY 100 SQUARE FEET 200 PSI DISCHARGE 17.5 PSI RESIDUAL PRESSURE 100 GPM HOSE ALLOWANCE



KEY PLAN

1 LEVEL 4 FLOOR - DEMOLITION  
 0 2 4 6 8 10

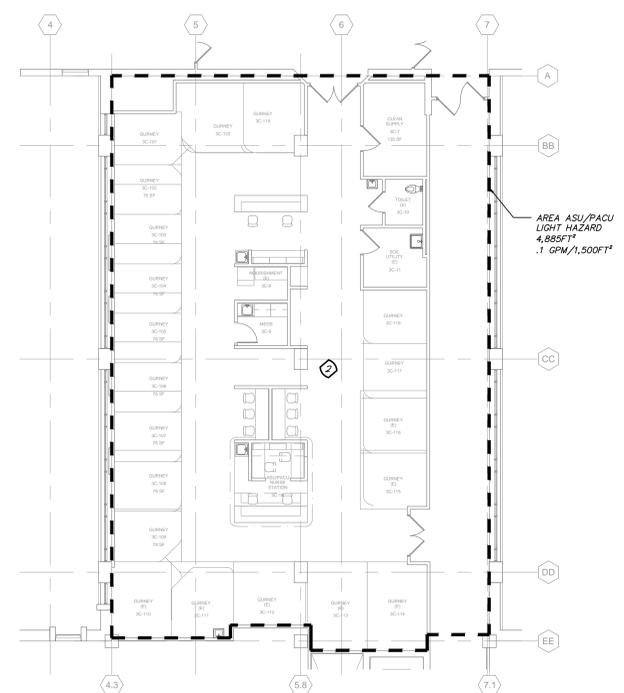
B-200 1ST FLOOR FIRE SUPPRESSION PLAN  
 SCALE: 1/8" = 1'-0"

FINAL BID DOCUMENTS

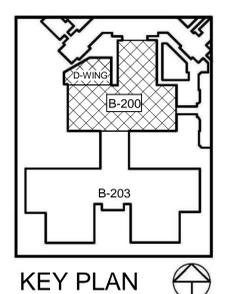
<b>CONSULTANTS:</b>  ADDENDUM 1 Revisions:		<b>ARCHITECT/ENGINEERS:</b>  HILLIARD ARCHITECTS, INC. 1330 Broadway, Suite 1111 Oakland, CA 94612 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com		Drawing Title <b>1ST FLOOR FIRE SUPPRESSION PLAN</b> Approved: Project Director		Project Title <b>EXPAND CLINICAL OR AND SURGERY</b> Location 4150 Clement Street		Project Number 662-618 Building Number 200 & 203 Drawing Number <b>FS 2.00</b> Dwg. 78 of 148		Office of Construction and Facilities Management  Department of Veterans Affairs	
Date: 07/01/16 Date: 06/30/2016		P: 775.852.2337 F: 775.852.2352		Date: 06/30/2016		Checked: JPS Drawn: SME		Date: 06/30/2016		Date: 06/30/2016	

NOTES

- NEW FLOOR. SEE ENLARGED PLAN FOR DETAILED INFORMATION
- EXISTING SYSTEM SHALL BE MODIFIED TO MEET NEW WALL PARTITION CONDITIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND HEAD LOCATION. PROVIDE DRAWINGS TO AHS PRIOR TO COMMENCING WORK



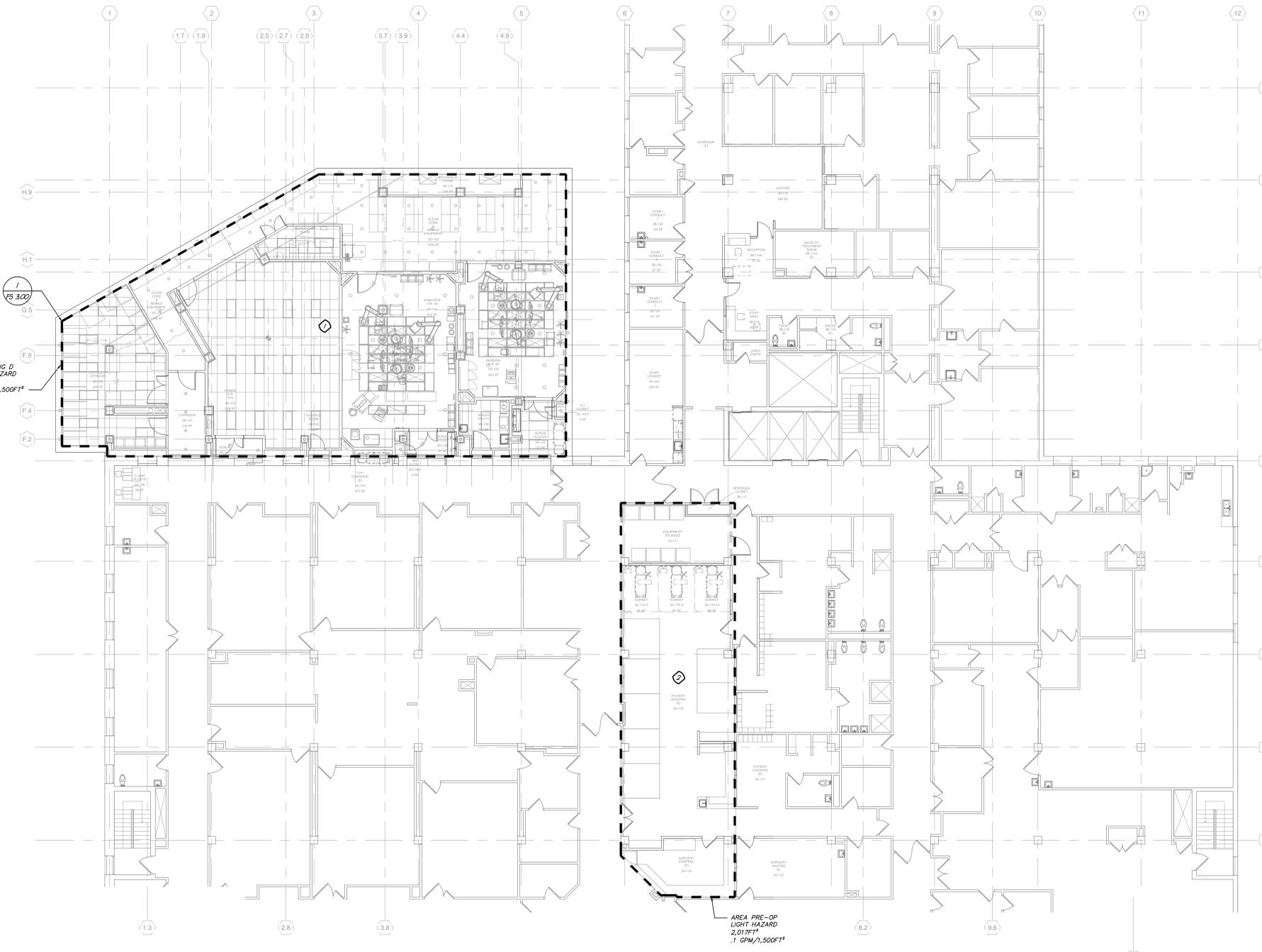
B-203 THIRD FLOOR SUPPRESSION PLAN  
SCALE: 3/32" = 1'-0"



KEY PLAN

FINAL BID DOCUMENTS

Office of Construction and Facilities Management



B-200 THIRD FLOOR SUPPRESSION PLAN  
SCALE: 3/32" = 1'-0"

1 LEVEL 4 FLOOR - DEMOLITION

three eighths inch = one foot  
 one eighth inch = one foot  
 one quarter inch = one foot  
 one half 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

HILLIARD ARCHITECTS INC. COPYRIGHT

ADDENDUM 1	07/01/16	10597 Double R Blvd. Reno, Nevada 89521	P: 775.852.2337 F: 775.852.2352
Revisions:	Date		

CONSULTANTS:

JP #

**Preliminary Not For Construction**

ARCHITECT/ENGINEERS:

HILLIARD ARCHITECTS, INC  
1330 Broadway, Suite 1111  
Oakland, CA 94612  
Tel 415 989 6400, Fax 415 989 3056  
www.HilliardArchitects.com

Drawing Title	FIRE SUPPRESSION FLOOR PLAN
Approved: Project Director	

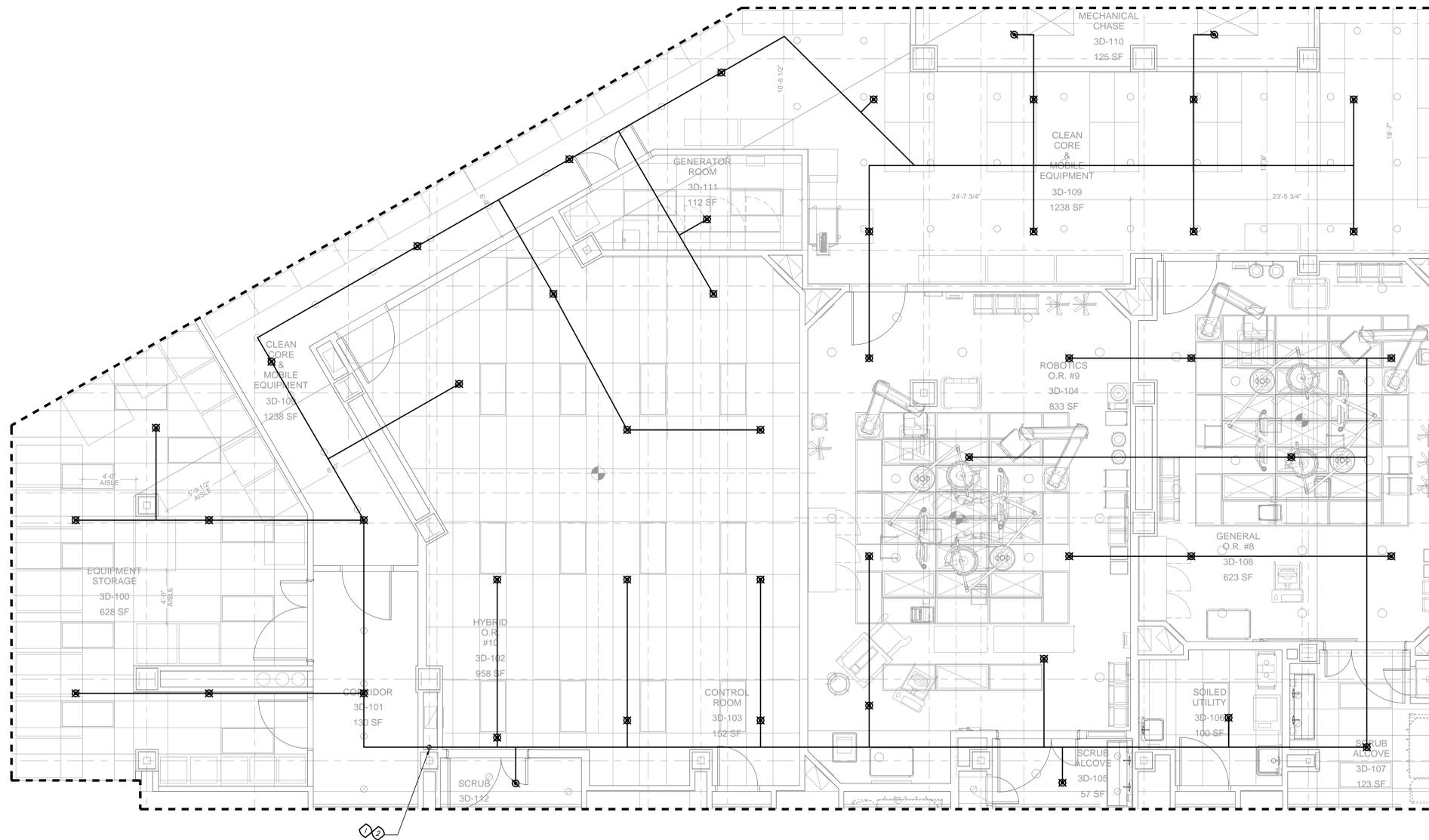
Project Title	EXPAND CLINICAL OR AND SURGERY
Project Number	662-618
Building Number	200 & 203
Drawing Number	FS 2.10
Date	06/30/2016
Checked	JPS
Drawn	SME
Dwg.	79 of 148

SHEET NOTES

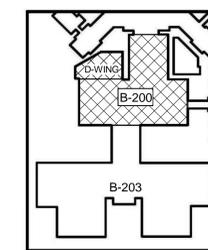
- PENDANTS, DISTRIBUTION PIPING AND LAYOUTS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL PROVIDE A DETAILED SET OF CONSTRUCTION DRAWINGS AND CALCULATIONS FOR SUBMITTAL TO THE AHJ.
- CONSTRUCTION SUBMITTAL DRAWINGS AND CALCULATIONS SHALL BE PROVIDED TO THE AHS FOR APPROVAL. CONTRACTOR SHALL ALSO PROVIDE CONSTRUCTION SUBMITTAL TO THE ENGINEER.

SHEET NOTES

- FIRE SPRINKLER RISER LOCATED IN ACCESSIBLE CEILING OF SECOND FLOOR. CONTRACTOR SHALL CONNECT TO RISER AT THIS LOCATION.
- SEE DETAIL A/F51.00 FOR CONTROL ASSEMBLY.



ENLARGED 3RD FLOOR SUPPRESSION PLAN  
SCALE: 1/4" = 1'-0"



KEY PLAN

FINAL BID DOCUMENTS

Office of Construction and Facilities Management



HILLIARD ARCHITECTS INC. COPYRIGHT

<p>ADDENDUM 1</p> <p>Revisions:</p>		<p>07/01/16</p> <p>Date</p>	<p>CONSULTANTS:</p> <p><b>JP ENGINEERING</b></p> <p>10597 Double R Blvd. Reno, Nevada 89521</p> <p>P: 775.852.2337 F: 775.852.2352</p>	<p>ARCHITECT/ENGINEERS:</p> <p><b>HILLIARD ARCHITECTS</b></p> <p>ESTABLISHED 1988 GOING GREEN</p> <p>HILLIARD ARCHITECTS, INC 1330 Broadway, Suite 1111 Oakland, CA 94612 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com</p>	<p>Drawing Title</p> <p><b>ENLARGED 3RD FLOOR FIRE SUPPRESSION PLAN</b></p> <p>Approved: Project Director</p>	<p>Project Title</p> <p><b>EXPAND CLINICAL OR AND SURGERY</b></p> <p>Location 4150 Clement Street</p> <p>Date 06/30/2016</p> <p>Checked JPS</p> <p>Drawn SME</p>	<p>Project Number 662-618</p> <p>Building Number 200 &amp; 203</p> <p>Drawing Number <b>FS 3.00</b></p> <p>Dwg. 80 of 148</p>
-------------------------------------	--	-----------------------------	--	---	---	--	---

