FIRE / SMOKE BARRIER DESIGNATIONS								
THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.								
ALL FLOOR ASSEMBLIES SHALL BE DESIGNATED AS 2 HOUR FIRE, BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS.								
1 HOUR FIRE BARRIER								
2 HOUR FIRE BARRIER								
SMOKE BARRIER								

FIRE SPRINKLER USAGE SCHEDULE										
	AREA	SPRINKLER								
AREA TYPE (NOTE 1 & 6)	HAZARD	SYMBOL (NOTES 4 & 5)	TYPE	RESPONSE	FINISH	TEMPERATURE °F	MANUFACTURER & MODEL	REMARKS		
AREA OF EXPOSED CONSTRUCTION	SEE PLANS	SPR-1	UPRIGHT	QUICK	ROUGH BRASS	155	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2704	NOTES 2, 3, 7, 8		
AREAS WITH FINISHED CEILINGS (ACT/DRYWALL)	SEE PLANS	SPR-2	RECESSED PENDENT	QUICK	WHITE		VIKING VK, RELIABLE F1FR, HIGH PRESSURE TYCO TY-FRB, VICTAULIC V2708	NOTES 2, 3, 7, 8		
SKYLIGHTS	SEE PLANS	SPR-3	RECESSED SIDEWALL	QUICK	WHITE	155	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2710	NOTES 2, 3, 7, 8		
VESTIBULES	SEE PLANS	SPR-4	DRY RECESSED PENDENT	QUICK	WHITE	155	VIKING VK, RELIABLE F3QR, TYCO DS, VICTAULIC V3606	NOTES 2, 3, 7, 8		
HOLDING	SEE PLANS	SPR-5	INSTITUTIONAL PENDANT	QUICK	CHROME PLATED	155	VIKING VK410, RELIABLE, TYCO, VICTAULIC	NOTES 2, 3, 7, 8		

FIRE PROTECTION INSTALLATION NOTES:

BUILDING IS CLASSIFIED AS LIGHT HAZARD. LABORATORIES, MECHANICAL EQUIPMENT ROOMS, ELECTRICAL CLOSETS AND SWITCHGEAR ROOMS ARE CLASSIFIED AS ORDINARY GROUP I. STORAGE ROOMS, CLEAN AND SOILED

ALL WALL AND FLOOR PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE SEALED PER SPECIFICATIONS. VERIFY LOCATION OF ALL FIRE RATED WALLS

ALL SPRINKLERS TO BE CENTERED IN CEILING TILES WHERE APPLICABLE.
REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND VERIFY AT

LINEN ROOMS ARE CLASSIFIED AS ORDINARY GROUP II. INSTALL SPRINKLERS IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.

/ FLOORS, BARRIERS AND PARTITION WITH ARCHITECTURAL PLANS.
FIRE PROTECTION CONTRACTOR TO SIZE ALL SPRINKLER PIPING

HYDRAULICALLY PER THE LATEST EDITION OF NFPA-13.

NOTES:

- SEE FLOOR PLANS FOR ZONING REQUIREMENTS.
 SPRINKLER SHALL HAVE COLOR CODED BULB THERMAL ELEMENT.
- ALL SPRINKLERS SHALL BE UL/FM LISTED.
 CONTRACTOR TO VERIFY SPRINKLER REQUIREMENTS BASED ON ACTUAL INSTALLATION, USAGE, ARCHITECTURAL CLING PLANS AND NFPA
- 13 REQUIREMENTS.
 5. SYMBOL IS PRIMARILY FOR IDENTIFYING SPRINKLERS IN SUBMITTALS. IT MAY OR MAY NOT BE FOUND ELSEWHERE ON THE DRAWINGS.
 CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES USED IN PROJECT.
- CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES USED IN PROJECT.

 6. AREAS ARE GENERAL IN NATURE. CONTRACTOR TO MATCH UNSCHEDULED AREAS TO SIMILAR SPACES.
- SPRINKLERS SHALL HAVE A 3MM QUICK RESPONSE BULB.
 SPRINKLERS SHALL BE RATED FOR A WORKING PRESSURE OF 250 PSI. SPRINKLERS SHALL BE UL LISTED.

	FIRE PROTECTION MATERIAL LIST
SHALL VERIFY	AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, ECIFIED OR NOT.
CONTRACTOR DESCRIPTION DESCRIPTION	MBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST LISTED ER IS THE BASIS OF DESIGN.
<u>ADV-1</u>	
RING, CLOSIN	: AUTOMATIC DRIP VALVE, 250 PSI WP, BRASS BAR, STAINLESS STEEL SPRING AND RETAININ G PRESSURE 13.5 PSI WITH INCREASING PRESSURE, OPENING PRESSURE 12.5 PSI WITH PRESSURE, 1/2" NPT INLET AND 1/4" NPT DRAIN OUTLET.
<u>MANUFACTUR</u>	ER & CATALOG NO.: VIKING B-1, TYCO AD-1, RELIABLE C.
<u>AV-1</u>	
DESCRIPTION THREADED. U	: ANGLE VALVE, 1/2" TO 2", 175 PSI, BRONZE BODY, INTEGRAL SEAT, SOFT DISC, HANDWHEEL, L.
MANUFACTUR	ER & CATALOG NO.: UNITED 126S UL, NIBCO KT-67-UL / T-301-W, KENNEDY 98 SD, FPPI.
<u>BF-1</u>	
BRONZE OR E	: 2" TO 12" BUTTERFLY VALVE, 300 PSI WP, LUGGED OR GROOVED TYPE, IRON BODY, ALUMINI PDM COATED IRON DISC, STAINLESS STEEL STEM AND SCREWS, EPDM SEAT, INTEGRAL TCH, RATED FOR DEAD END SERVICE, UL/FM.
MANUFACTUR	ER & CATALOG NO.: NIBCO, GD-4765-8N, GEM, TYCO, KENNEDY, VICTAULIC 705-W, KENNEDY
<u>CK-16</u>	
	2-1/2" TO 12" SWING CHECK VALVE, 300 PSI WP, FLANGED OR GROOVED, IRON BODY, BRONZ ONZE SEAT RING AND RUBBER CLAPPER FACING, SWING TYPE, UL/FM.
MANUFACTUR ANVIL/STAR 78	ER & CATALOG NO.: VIKING D-1/G-1, TYCO CV-1F, RELIABLE D OR G, KENNEDY 126A OR 426, BFP
	: 1-1/2" TO 2" CHECK VALVE, 250 PSI WP, THREADED OR GROOVED, BRASS BODY, BRASS SEA'CLAPPER FACING, SPRING LOADED IN-LINE TYPE, UL/FM.
MANUFACTUR	ER & CATALOG NO.: VIKING L-1/K-1.
FDC-1	
WITH DROP CI SWIVELS, KNO	EFLUSH FIRE DEPT. INLET CONNECTION, POLISHED CHROME PLATED TWO-WAY INLET BODY LAPPERS, DOUBLE FEMALE CONNECTIONS WITH RIGID END N.P.T. X PIN LUG HOSE THREAD DIX STAINLESS STEEL LOCKING FDC CAPS WITH MATCHING THREADS AND CHROME FINISH , ROME PLATED WALL PLATE LABELED "AUTO. SPR." 4" X 2-1/2" X 2-1/2". UL. THREADS TO MATCHEPARTMENT.
CONTRACTOR	TO COORDINATE PURCHASE OF KNOX LOCKING CAP WITH LOCAL FIRE DEPARTMENT.
MANUFACTUR ELKHART 166.	ER & CATALOG NO.: POTTER-ROEMER 5020 SERIES, CROKER 6010 SERIES, GUARDIAN 6024,
<u>FS-1</u>	
FLOW OF 10 G	EFLOW SWITCH - VANE TYPE FOR USE ON WET PIPE SPRINKLER SYSTEM TO DETECT A MINING PM. TWO SINGLE POLE DOUBLE THROW SWITCHES WITH PNEUMATIC RETARD-ADJUSTABLE CONDS WITH AUTOMATIC RESET, TAMPER RESISTANT METAL HOUSING. UL/FM.
MANUFACTUR	ER & CATALOG NO.: SYSTEM SENSOR WFD SERIES, POTTER ELECTRIC VSR-F.
THE ASSEMBL	PROVIDED AS A PART OF A MANIFOLD ASSEMBLY WITH $$ BF-1 AND IT-1. EACH COMPONENT CY MUST MEET THE REQUIREMENTS OF ITS RESPECTIVE MATERIAL LIST DESCRIPTION. PROVICE FOR EACH MANIFOLD AS INDICATED ON THE DRAWINGS.
<u>IT-1</u>	
INTEGRAL LAE	: 1" INSPECTOR'S TEST AND DRAIN VALVE WITH INTEGRAL SIGHT GLASS, BALL VALVE WITH BELED PLATE SHOWING OFF-TEST-DRAIN POSITIONS. FURNISHED WITH TEST ORIFICE GIVING LENT TO ONE SPRINKLER OF A TYPE HAVING THE SMALLEST ORIFICE INSTALLED ON THE 00 PSI WP.
MANUFACTUR	ER & CATALOG NO.: RELIABLE B W/1" BALL VALVE, TYCO F350, AGF MODEL 1000.
THE ASSEMBL	ROVIDED AS A PART OF A MANIFOLD ASSEMBLY WITH <u>BF-1</u> AND <u>FS-1</u> . EACH COMPONENT O Y MUST MEET THE REQUIREMENTS OF ITS RESPECTIVE MATERIAL LIST DESCRIPTION. PROV GAUGE FOR EACH MANIFOLD AS INDICATED ON THE DRAWINGS.

A PRESSURE GAUGE FOR EACH MANIFOLD AS INDICATED ON THE DRAWINGS.

IRE PR	OTECTION SYMBOLS LIST DESCRIPTION:
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW
—FP-—_	FIRE PROTECTION
—FPD——	FIRE PROTECTION DRAIN
	PIPE DOWN
	PIPE UP OR UP/DOWN
	NEW CONNECTION
₹	ANGLE VALVE
***************************************	BUTTERFLY VALVE WITH MONITOR SWITCH
— <u>o</u> —	INSPECTOR TEST AND DRAIN VALVE
II	FIRE DEPARTMENT CONNECTION (WALL MOUNTED)
⊏≍	MONITOR SWITCH
<u> </u>	CHECK VALVE
\$	OS&Y GATE VALVE
	FLOW SWITCH
\triangleright	SPRINKLER - WALL MOUNTED
0	SPRINKLER - CONCEALLED
•	SPRINKLER
NO HATCH	LIGHT HAZARD
	ORDINARY GROUP 1
	ORDINARY GROUP 2
BFP	BACKFLOW PREVENTER
C.C.	CIVIL CONTRACTOR
C.O.R.	CONTRACTING OFFICER REPRESENT
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR

	REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES AND VERIFY AT
5.	SITE. ALL SPRINKLER PIPING TO BE INSTALLED SUCH THAT THE SYSTEM WILL COMPLETELY DRAIN BACK TO MAIN. IF A SECTION OF PIPING CANNOT BE SLOPED BACK TO MAIN. AN AUXILIARY DRAIN VALVE WITH PERMANENT
	LABEL AND HOSE THREAD CONNECTION MUST BE INSTALLED BY THIS CONTRACTOR. ALL AUXILIARY DRAINS SHALL BE CONCEALED FROM OCCUPIED SPACE.
6.	SPRINKLERS SHALL BE SPACED IN ACCORDANCE WITH THE LIGHTING AND MECHANICAL EQUIPMENT LAYOUT. THE FIRE PROTECTION CONTRACTOR SHALL LOCATE THE SPRINKLERS, REFERRING TO THE MECHANICAL
	DRAWINGS, TO PREVENT CONFLICTS WITH MECHANICAL EQUIPMENT. MECHANICAL EQUIPMENT LOCATION SHALL HAVE PRIORITY OVER SPRINKLER AND PIPING LOCATION. NO SPRINKLER PIPE SHALL PASS
7.	THROUGH AIR DUCTS OR STRUCTURAL MEMBERS. UNLESS NOTED OTHERWISE ON PLANS, PIPE SIZE SHALL BE HYDRAULICALLY CALCULATED BASED ON THE DESIGN APPROACH LISTED IN
8.	CHAPTER 11 OF NFPA 13. UTILIZE DENSITY AREA METHOD FOR HYDRAULIC CALCULATIONS. AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS SHALL NOT BE USED. VERIFY ALL PIPE ROUTING REVISIONS OR CHANGES OF SPRINKLER HEAD
0.	TYPE DUE TO EXISTING CONDITIONS WITH COR BEFORE PROCEEDING WITH CHANGE.
FIR	RE PROTECTION DEMOLITION NOTES :
4	THE DRAWINGS ARE INTENDED TO INDICATE THE SCORE OF REMOLITION
1.	THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF DEMOLITION WORK REQUIRED AND DO NOT INDICATE EVERY PIPE, DUCT, OR PIECE OF
	EQUIPMENT THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE
2.	SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN
۷.	SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON
	OPERATING EQUIPMENT, USE PERSONNEL EXPERIENCED IN SUCH
2	OPERATIONS. EVISTING FIDE SODINKI ED SYSTEM: MAINTAIN SEDVICE TO FIDE SODINKI ED
3.	EXISTING FIRE SPRINKLER SYSTEM: MAINTAIN SERVICE TO FIRE SPRINKLER SYSTEM UNTIL NEW PIPING IS INSTALLED. OBTAIN PERMISSION FROM
	C.O.R. AT LEAST 24 HOURS BEFORE SHUTTING DOWN SYSTEM FOR ANY
4	REASON. MAKE CHANGEOVER TO NEW PIPING WITH MINIMUM OUTAGE.
4.	ALL SYSTEM CHANGEOVERS SHALL BE COMPLETED IN OVERTIME, NOT DURING NORMAL WORKING HOURS.
5.	DEMOLISH AND EXTEND EXISTING FIRE SPRINKLER SYSTEM WORK UNDER
_	PROVISIONS OF GENERAL CONDITIONS, SPECIFICATIONS AND THESE NOTES.
6.	REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO
-	ACCOMMODATE NEW CONSTRUCTION
7.	ACCOMMODATE NEW CONSTRUCTION. REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES.
7. 8.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING
	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS,
	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH
8.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL.
	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH
9.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING
9.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION.
9.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH COR BEFORE
8.9.10.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH COR BEFORE PROCEEDING WITH DEMOLITION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS WHICH REMAIN
8.9.10.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH COR BEFORE PROCEEDING WITH DEMOLITION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS
8.9.10.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH COR BEFORE PROCEEDING WITH DEMOLITION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
8.9.10.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH COR BEFORE PROCEEDING WITH DEMOLITION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS
8.9.10.11.12.	REMOVE ABANDONED PIPING TO SOURCE OF SUPPLY AND/OR MAIN LINES. REMOVE EXPOSED ABANDONED PIPING, INCLUDING ABANDONED PIPING ABOVE ACCESSIBLE CEILING FINISHES. CUT PIPING ABOVE CEILINGS, BELOW FLOORS AND BEHIND WALLS. CAP REMAINING LINES. REMOVE ALL ASSOCIATED CLAMPS, HANGERS, SUPPORTS, ETC., ASSOCIATED WITH PIPING REMOVAL. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MATCH ORIGINAL CONSTRUCTION. VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH COR BEFORE PROCEEDING WITH DEMOLITION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE. EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS

PROPERTY OF THE C.O.R. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE C.O.R. DOES NOT WANT TO REUSE OR

RETAIN FOR MAINTENANCE PURPOSES.

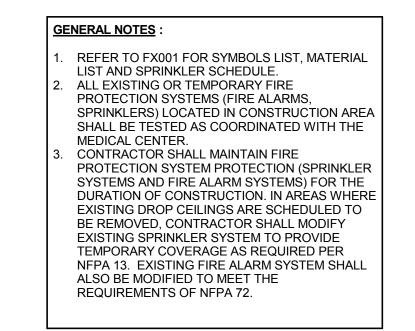
REVISED FOR BIDDING	10/27/15	CONSULTANTS:
		HEALTHCARE PLANNERS: VOA ARCHITECTS
		MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
		CIVIL ENGINEER: JD ENGINEERING
		COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
Revisions:	Date	INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

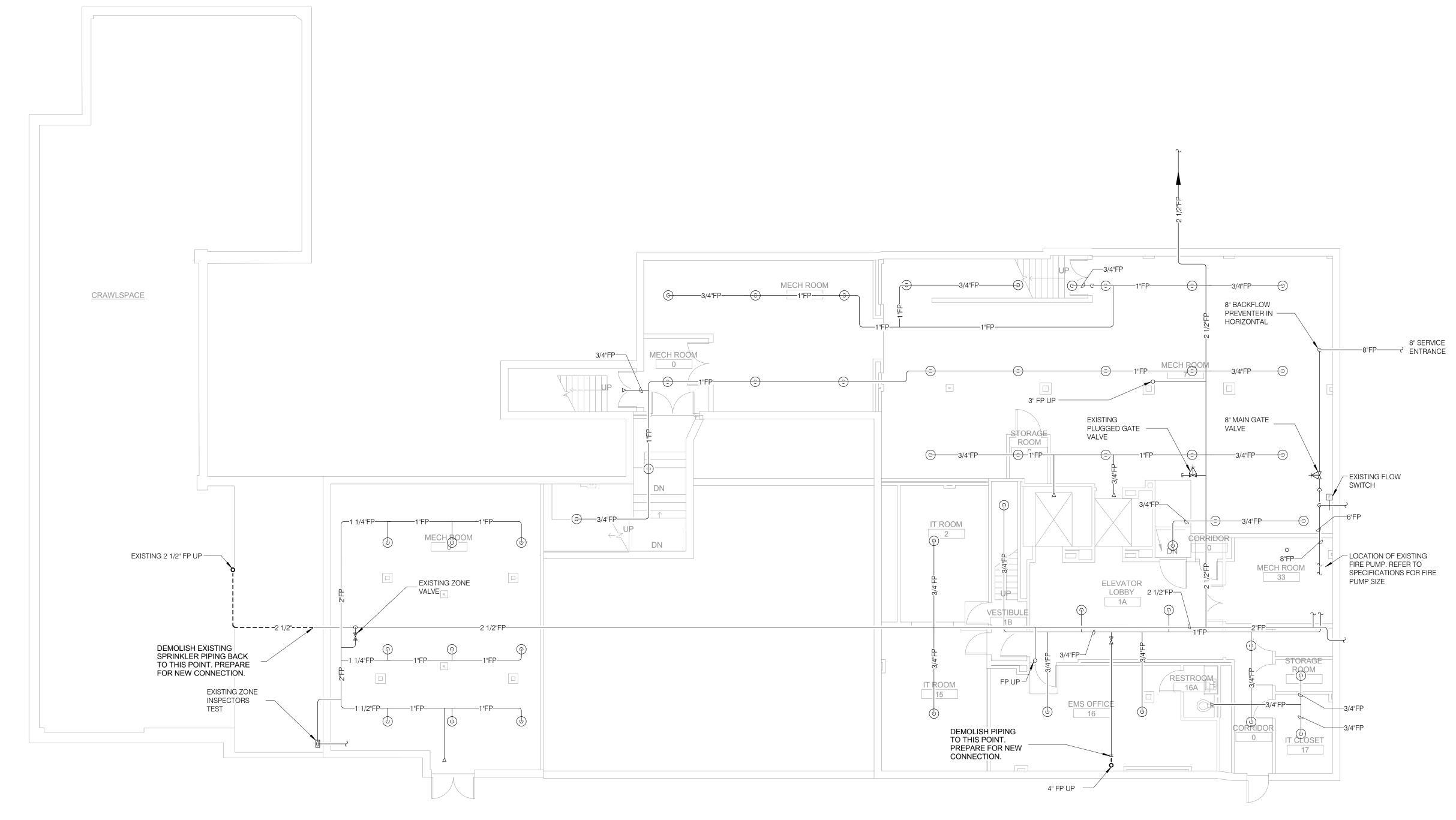
VA FORM 08-6231, OCT 1978



ARCHITECT:

ng Title	Project Title RENOVA	Project Number 549-130			
RE PROTECTION COVER SHEET		BURN MEN		Building Number 1	
oved: Project Director	Location BONHAM, TEXAS	Drawing Number			
	Date	Checked	Drawn	FX001	
	APRIL 13, 2015	LEWHAM	BLAOBR	Dwg. 101 of	142





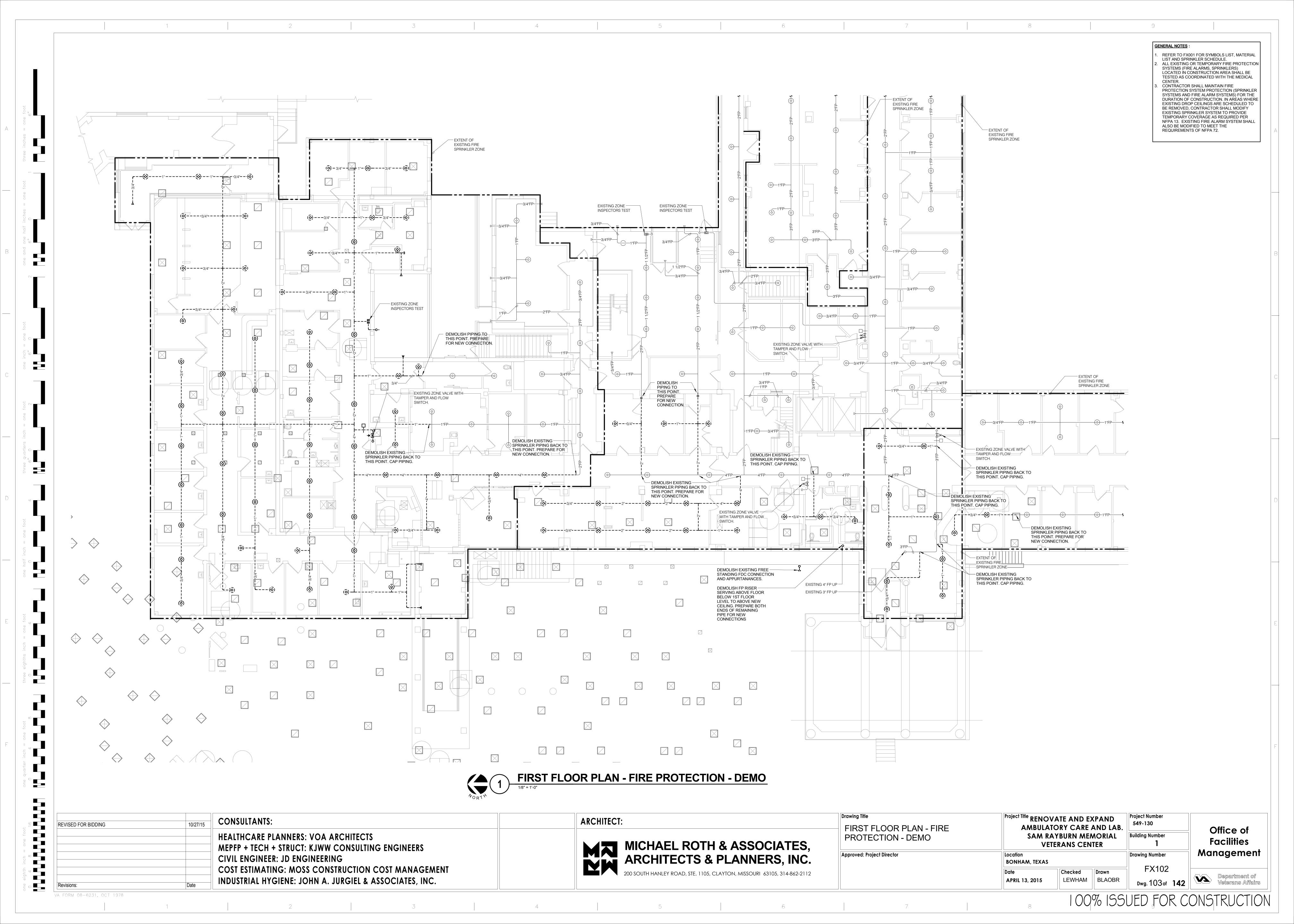
UNEXCAVATED

VA FORM 08-6231, OCT 1978



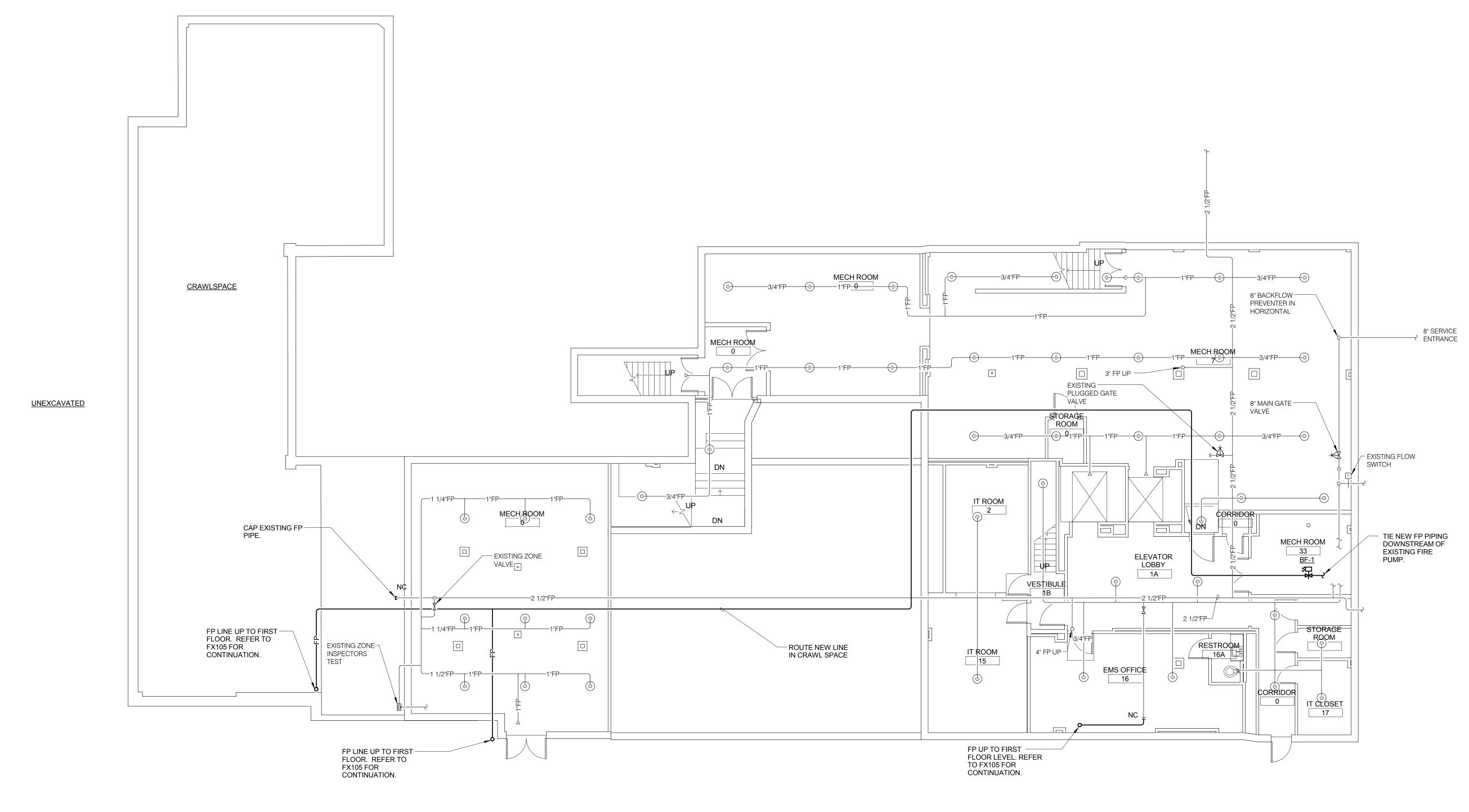
REVISED FOR BIDDING 10/27/15	CONSULTANTS:	ARCHITECT:	Drawing Title BASEMENT FLOOR PLAN - FIRE	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB.	Project Number 549-130	Office of
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES.	PROTECTION - DEMO	SAM RAYBURN MEMORIAL VETERANS CENTER		Office of Facilities
	CIVIL ENGINEER: JD ENGINEERING	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS Drawing Number		Management
Revisions: Date	COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112		Date APRIL 13, 2015 Checked LEWHAM BLAOBR	FX101 Dwg. 102 of 142	Department of Veterans Affairs

1 2 5 5



GENERAL NOTES:

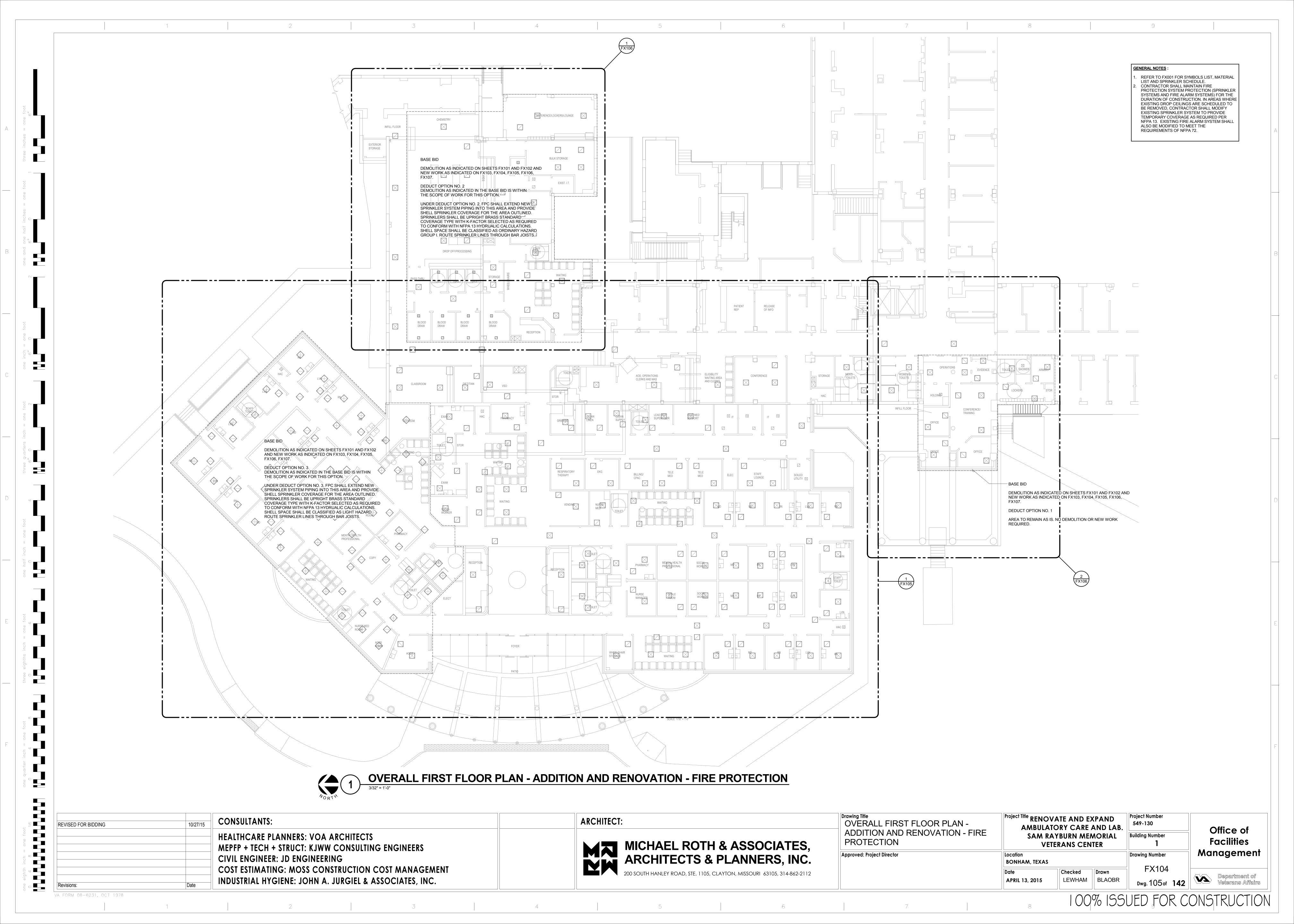
1. REFER TO FX001 FOR SYMBOLS LIST, MATERIAL LIST AND SPRINKLER SCHEDULE.
2. CONTRACTOR SHALL MAINTAIN FIRE PROTECTION SYSTEM PROTECTION (SPRINKLER SYSTEMS AND FIRE ALARM SYSTEMS) FOR THE DURATION OF CONSTRUCTION. IN AREAS WHERE EXISTING DROP CEILINGS ARE SCHEDULED TO BE REMOVED, CONTRACTOR SHALL MODIFY EXISTING SPRINKLER SYSTEM TO PROVIDE TEMPORARY COVERAGE AS REQUIRED PER NFPA 13. EXISTING FIRE ALARM SYSTEM SHALL ALSO BE MODIFIED TO MEET THE REQUIREMENTS OF NFPA 72.

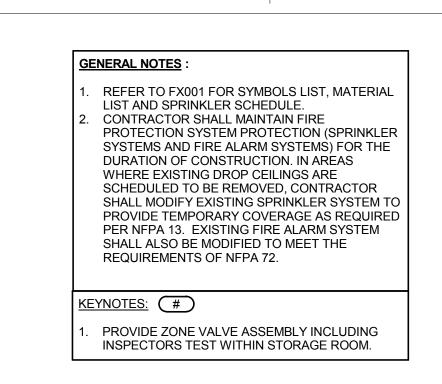


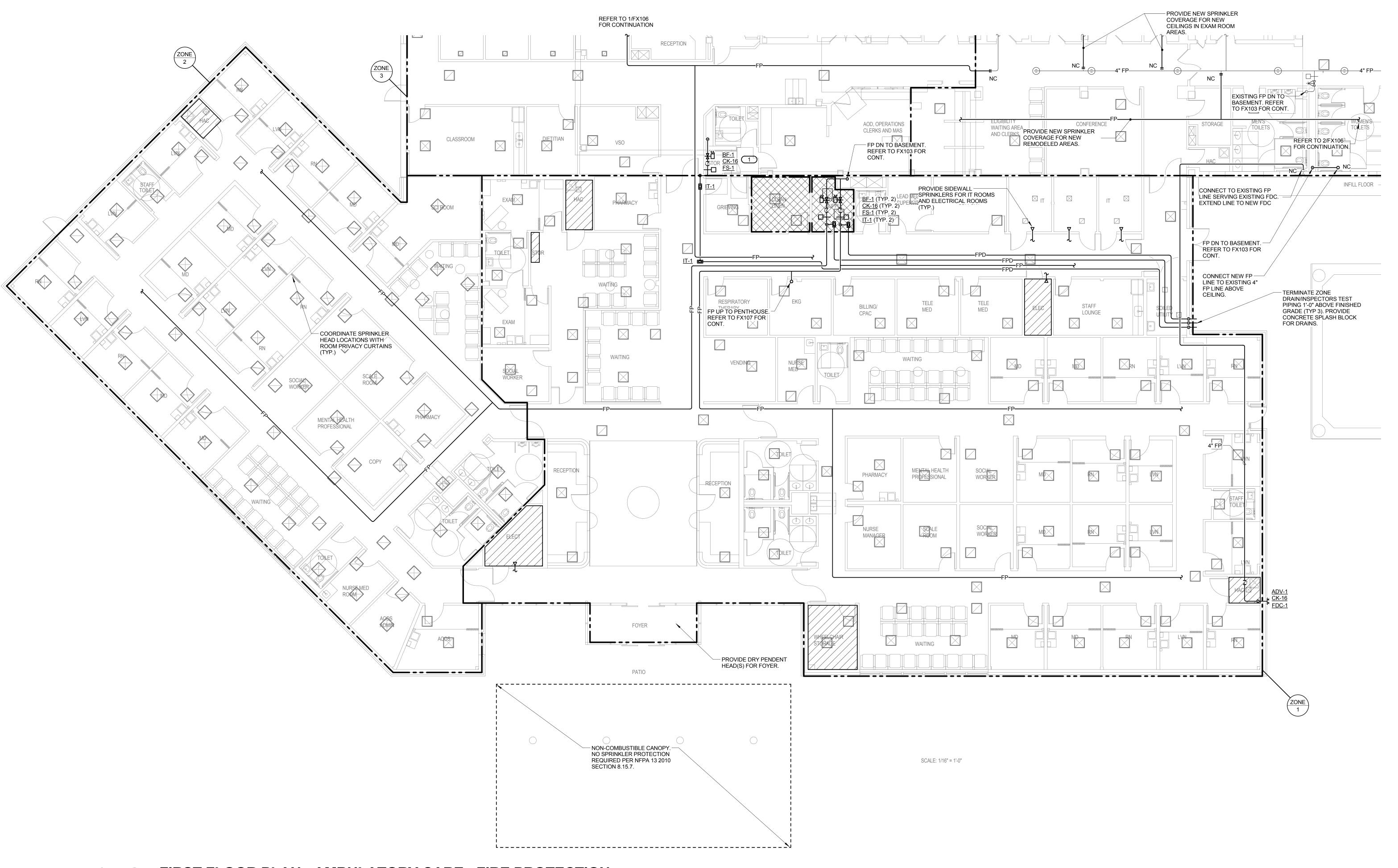


REVISED FOR BIDDING 10/27/15	CONSULTANTS:	ARCHITECT:	Drawing Title BASEMENT FLOOR PLAN - FIRE		VATE AND EXPAND TORY CARE AND LAB.	Project Number 549-130	
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES.	PROTECTION	SAM RAYBURN MEMORIAL VETERANS CENTER			Office of Facilities Management
	CIVIL ENGINEER: JD ENGINEERING	ARCHITECTS & PLANNERS, INC. 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112	Approved: Project Director	BONHAM, TEXAS		Drawing Number	
Revisions: Date	COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.			Date APRIL 13, 2015	Checked Drawn LEWHAM BLAOBR	FX103 Dwg. 104 of 142	Department of Veterans Affairs
VA FORM 08-6231, OCT 1978							

1 2 5 7







FIRST FLOOR PLAN - AMBULATORY CARE - FIRE PROTECTION

1/8" = 1'-0"

VA FORM 08-6231, OCT 1978

REVISED FOR BIDDING	10/27/15	CONSULTANTS:	ARCHITECT:
Revisions:	Date	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC. 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

FIRST FLOOR PLAN - AMBULATORY CARE - FIRE PROTECTION	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER			Project Number 549-130 Building Number	
Approved: Project Director	Location BONHAM, TEXAS			Drawing Number	
	Date	Checked	Drawn	FX105	
	APRIL 13, 2015	LEWHAM	BLAOBR	Dwg. 106 of	142

Office of Facilities
Management

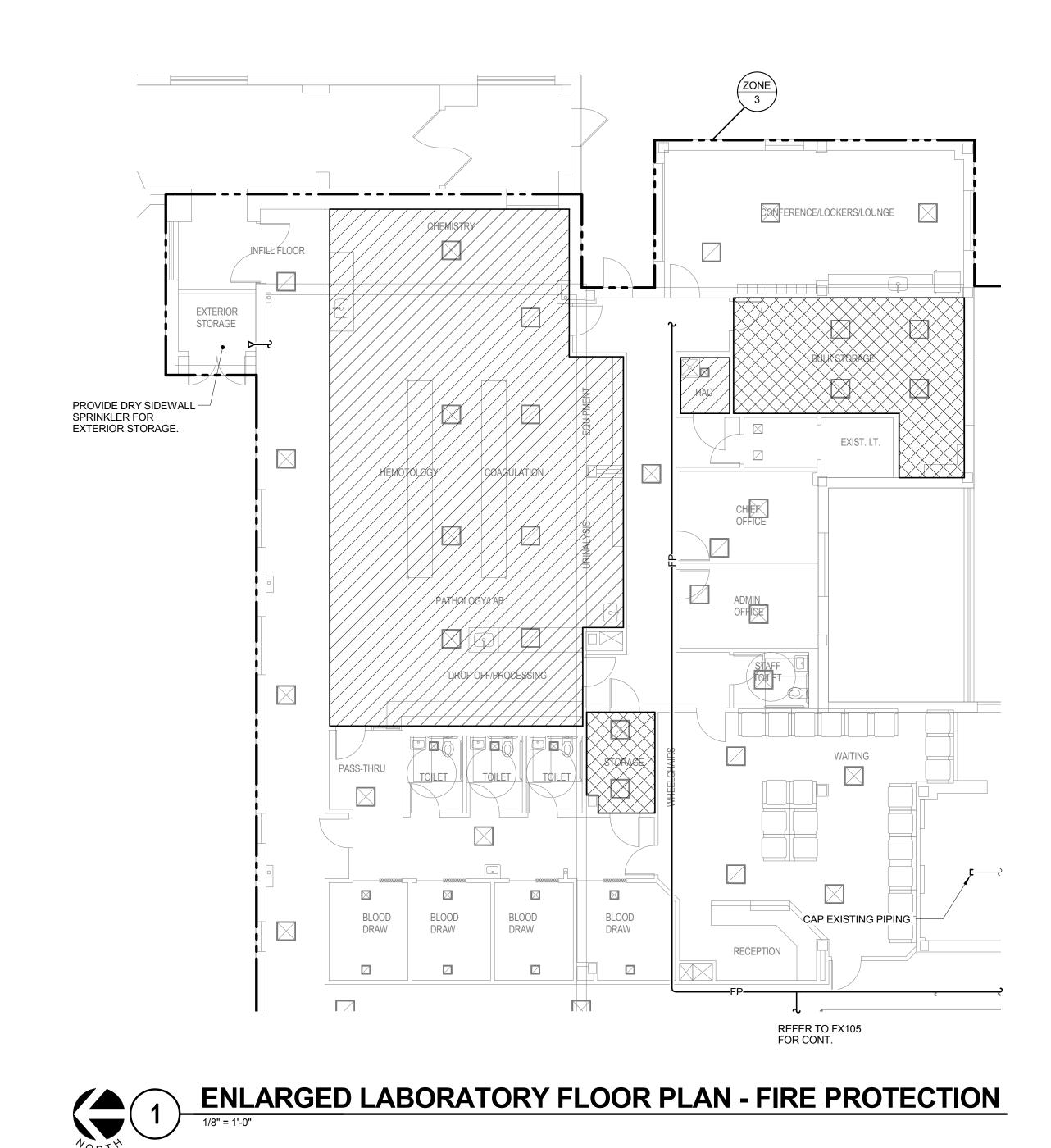
Department of Veterans Affairs

GENERAL NOTES:

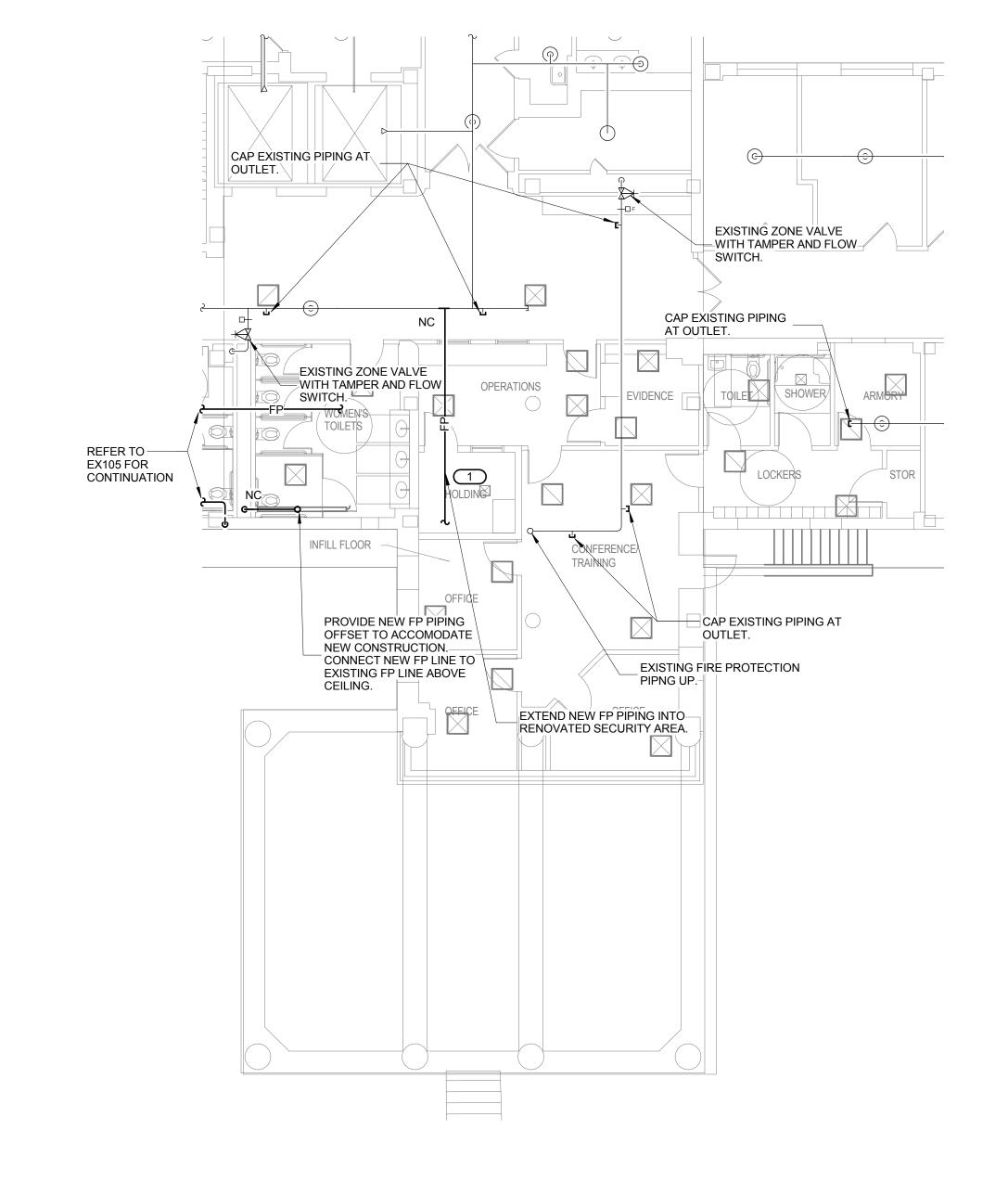
1. REFER TO FX001 FOR SYMBOLS LIST, MATERIAL LIST AND SPRINKLER SCHEDULE.
2. CONTRACTOR SHALL MAINTAIN FIRE PROTECTION SYSTEM PROTECTION (SPRINKLER SYSTEMS AND FIRE ALARM SYSTEMS) FOR THE DURATION OF CONSTRUCTION. IN AREAS WHERE EXISTING DROP CEILINGS ARE SCHEDULED TO BE REMOVED, CONTRACTOR SHALL MODIFY EXISTING SPRINKLER SYSTEM TO PROVIDE TEMPORARY COVERAGE AS REQUIRED PER NFPA 13. EXISTING FIRE ALARM SYSTEM SHALL ALSO BE MODIFIED TO MEET THE REQUIREMENTS OF NFPA 72.

KEYNOTES: #

1. PROVIDE SPR-5 FOR HOLDING ROOM. REFER TO FIRE SPRINKLER USAGE SCHEDULE FOR DETAILS.



VA FORM 08-6231, OCT 1978

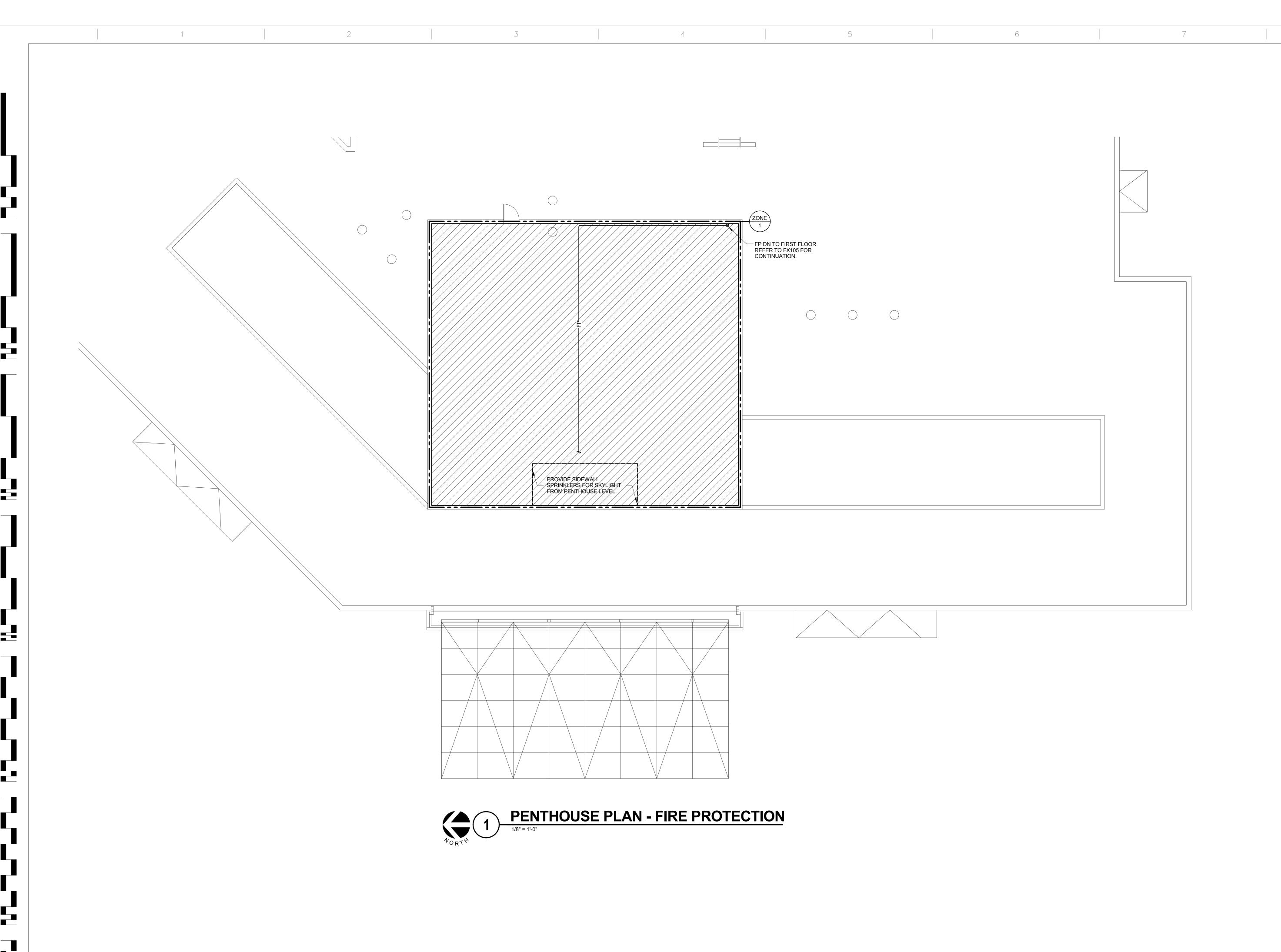


ENLARGED SECURITY FLOOR PLAN - FIRE PROTECTION

1/8" = 1'-0"

REVISED FOR BIDDING 10/27/15	CONSULTANTS:	ARCHITECT:	Drawing Title ENLARGED FLOOR PLAN -	Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB. Project Number 549-130		
	HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS	MICHAEL ROTH & ASSOCIATES.	LABORATORY AND SECURITY - FIRE PROTECTION			Office of Facilities Management
	CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT	ARCHITECTS & PLANNERS, INC.	Approved: Project Director	Location BONHAM, TEXAS	FX106	
Revisions: Date	INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112		Date APRIL 13, 2015 Checked LEWHAM BLAOBR		Department of Veterans Affairs

1 2 5



CONSULTANTS:

HEALTHCARE PLANNERS: VOA ARCHITECTS

CIVIL ENGINEER: JD ENGINEERING

MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS

COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT

INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

REVISED FOR BIDDING

VA FORM 08-6231, OCT 1978

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC. 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

ARCHITECT:

Management

Department of Veterans Affairs

GENERAL NOTES:

REFER TO FX001 FOR SYMBOLS LIST, MATERIAL LIST AND SPRINKLER SCHEDULE.
 CONTRACTOR SHALL MAINTAIN FIRE PROTECTION SYSTEM PROTECTION (SPRINKLER SYSTEMS AND FIRE ALARM SYSTEMS) FOR THE

DURATION OF CONSTRUCTION. IN AREAS
WHERE EXISTING DROP CEILINGS ARE
SCHEDULED TO BE REMOVED, CONTRACTOR
SHALL MODIFY EXISTING SPRINKLER SYSTEM TO

PROVIDE TEMPORARY COVERAGE AS REQUIRED PER NFPA 13. EXISTING FIRE ALARM SYSTEM

SHALL ALSO BE MODIFIED TO MEET THE REQUIREMENTS OF NFPA 72.