

# SHERIDAN VAMC POLICE HEADQUARTERS 1898 FORT ROAD, SHERIDAN, WY 100% CONSTRUCTION DOCUMENTS **REMODEL B9 POLICE SERVICE ROOMS** **666-18-01S**



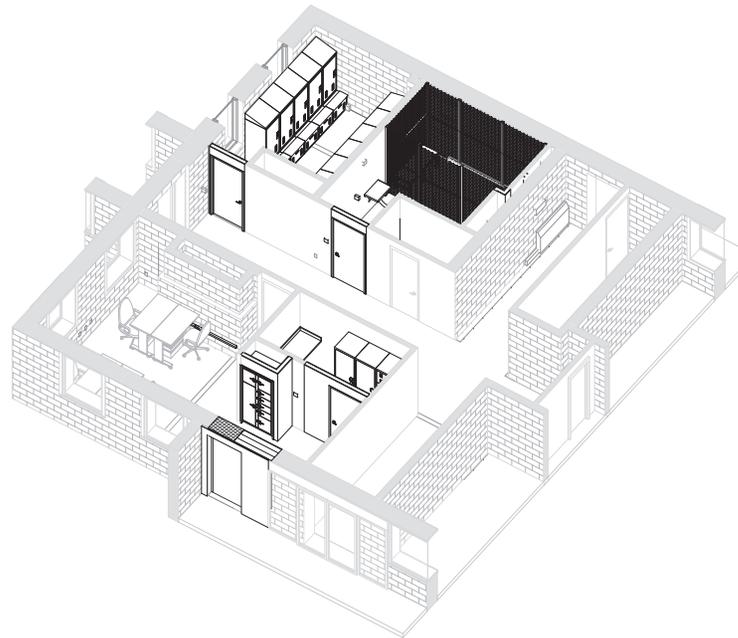
AREA MAP

LOCATION



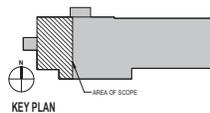
VICINITY MAP

LOCATION



### SHEET LIST

SHEET NUMBER	SHEET NAME
GENERAL G000 G101	COVER SHEET CODE ANALYSIS & PHASING PLAN
ARCHITECTURAL A001 A101 A102 A103 A111 A201 A301 A401	ARCHITECTURAL SYMBOLS AND ABBREVIATIONS SECOND & THIRD FLOOR DEMOLITION PLAN DEMOLITION REFERENCED IMAGES SECOND & THIRD FLOOR ARCHITECTURAL PLAN SECOND & THIRD FLOOR REFLECTED CEILING PLAN ARCHITECTURAL DETAILS SECOND & THIRD FLOOR STORAGE PLAN SECOND & THIRD FLOOR EQUIPMENT & FINISH PLAN
MECHANICAL M100 M101 M102 M103 M104	MECHANICAL LEGEND SECOND & THIRD FLOOR MECHANICAL DEMOLITION PLAN SECOND & THIRD FLOOR MECHANICAL PLAN MECHANICAL CONTROLS DIAGRAMS MECHANICAL DETAILS AND SCHEDULES
PLUMBING P100 P101 P102	PLUMBING LEGEND SECOND & THIRD FLOOR PLUMBING DEMOLITION PLAN SECOND & THIRD FLOOR PLUMBING PLAN
ELECTRICAL E301 E310 E311 E321 E322	ELECTRICAL LEGEND SECOND & THIRD FLOOR ELECTRICAL DEMOLITION PLANS SECOND & THIRD FLOOR LIGHTING PLANS SECOND & THIRD FLOOR POWER/SYSTEMS PLANS ELECTRICAL DETAILS
FIRE PROTECTION F401	SECOND & THIRD FLOOR FIRE PROTECTION PLAN



KEY PLAN

AREA OF SCOPE

<p><b>OWNER</b></p> <p>SHERIDAN, WY VAMC</p> <p>Contact: Stephen Petzold COR</p> <p>1888 Fort Road Sheridan, WY 82801</p> <p>p: 307.675.3671 e: stephen.petzold@va.gov</p>	<p><b>ARCHITECT</b></p> <p>GUIDON DESIGN INC.</p> <p>Contact: James Gooden Project Manager, Architect</p> <p>1221 N. Pennsylvania Street Suite 200 Indianapolis, IN 46202</p> <p>p: 317.900.6388 x 145 e: jgooden@guidondesign.com</p>	<p><b>MECHANICAL ELECTRICAL &amp; PLUMBING</b></p> <p>DATA, INC.</p> <p>Contact: Andrew Myers Project Manager, PE</p> <p>10411 Meeting Street Prospect, KY 40059</p> <p>p: 502.326.3365 e: amyr@data.com</p>
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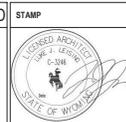
Revisions:	Date:

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JAMES GOODEN



**Office of  
Construction  
and Facilities  
Management**

**VA** U.S. Department  
of Veterans Affairs

Drawing Title  
**COVER SHEET**

Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION  
DOCUMENTS**

**FULLY SPRINKLERED**

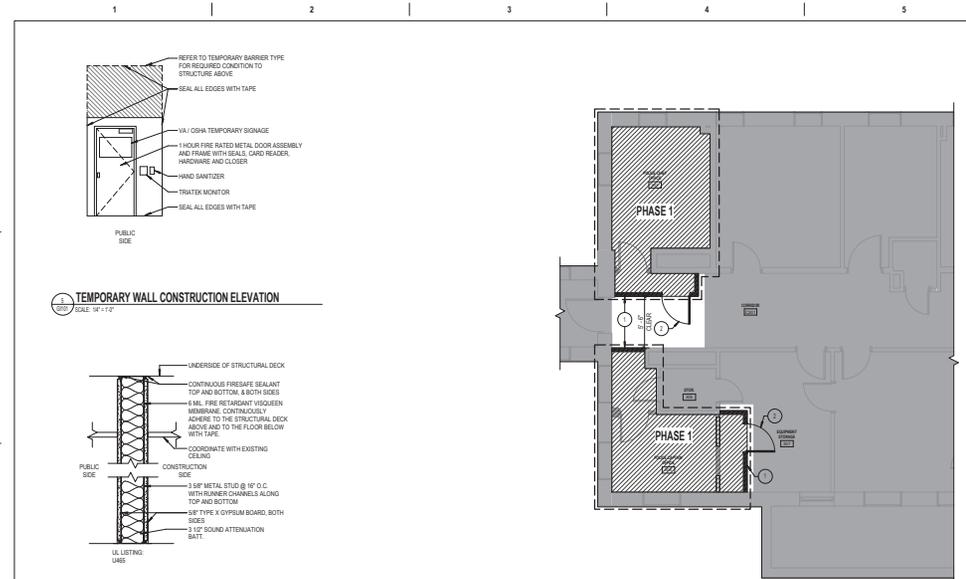
Project Title  
**REMODEL B9 POLICE SERVICE  
ROOMS**

Location  
**1898 FORT ROAD, SHERIDAN, WY**

Project Number  
**666-18-01S**

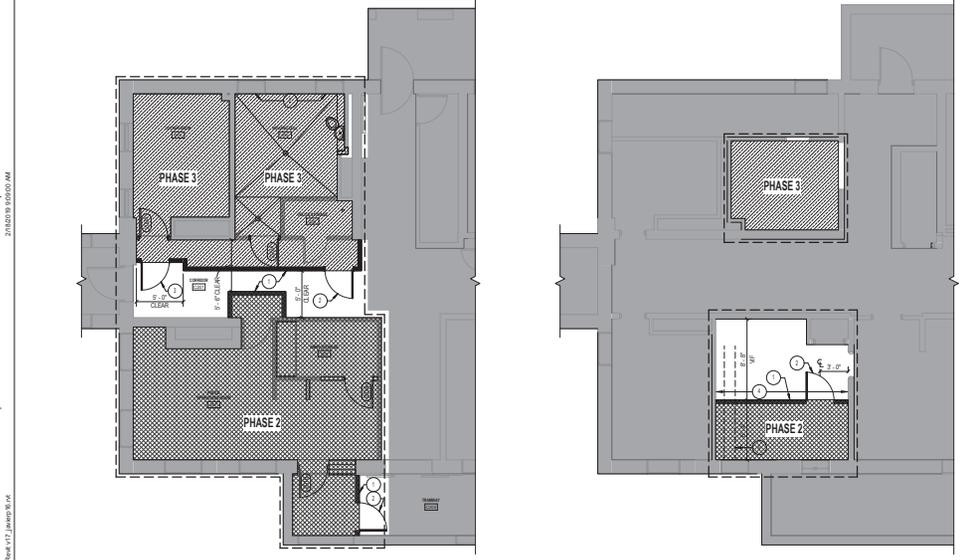
Building Number  
**9**

Drawing Number  
**G1000**



TEMPORARY 1 HR FIRE RATED SMOKE BARRIER WALL CONSTRUCTION NFPA 241  
SCALE: 1/2" = 1'-0"

THIRD FLOOR PHASING PLAN  
SCALE: 3/8" = 1'-0"



SECOND FLOOR PHASING PLAN  
SCALE: 3/8" = 1'-0"

FIRST FLOOR PHASING PLAN  
SCALE: 3/8" = 1'-0"

**INFECTION CONTROL PROJECT INFORMATION**  
CONSTRUCTION ACTIVITY - FIRE RISK: TYPE C  
PATIENT RISK GROUP: LOW  
CLASS OF PRECAUTION MATRIX: 3

**INFECTION CONTROL GENERAL NOTES**

- A REFER TO LIST OF REQUIRED INFECTION CONTROL MEASURES OUTLINED BY CLASSIFICATION OF RISK TO AND ADDITIONAL INFORMATION.
- B PROJECT SHALL BE COMPLETED IN THREE PHASES.
- C COORDINATE ALL WORK WITH THE ISSUED DRAWINGS AND FIELD VERIFICATION. CONTRACTOR IS RESPONSIBLE FOR SCOPE OF ABOVE CEILING WORK REQUIRED ABOVE AND BELOW THE FLOOR PLATE OF THE PROJECT BOUNDARY.
- E COORDINATE LOCATION OF TEMPORARY INFECTION CONTROL (IC) BARRIER WALL CONSTRUCTION INJECTION CONTROL (IC) MEASURES WITH COR AND PATIENT SAFETY INFECTION CONTROL REPRESENTATIVE. TEMPORARY IC BARRIER WALL CONSTRUCTION LOCATIONS IN DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE DRAWING TO COR AND PATIENT SAFETY INFECTION CONTROL REPRESENTATIVE ONCE COR PROTOCOLS AND PLAN IS APPROVED.
- F SCHEDULE AND TIME OF CONSTRUCTION WORK TO BE APPROVED BY COR BEFORE CONSTRUCTION WORK BEGINS. PROVIDE PHASING INFORMATION FOR ABOVE CEILING WORK IN THE CONTRACTOR PROVIDED CPM SCHEDULE FOR WORK ACQUIRED ABOVE AND BELOW THE FLOOR PLATE OF THE PROJECT BOUNDARY.
- G ABOVE CEILING WORK SHALL TAKE PLACE BETWEEN THE HOURS OF 9:00 AM AND 5:00 PM. PHASING THAT REQUIRE ABOVE CEILING WORK WHERE CEILING ARE TO REMAIN, CEILING TILES SHALL BE REMOVED AND STORED IN A SAFE MANNER UNTIL CEILING TILES CAN BE REINSTALLED. DAMAGED AND BROKEN CEILING TILES SHALL BE REPLACED BY CONTRACTOR.
- H EXIT ACCESS FOR ADJACENT OPERATIONAL AREAS SHALL BE MAINTAINED DURING NORMAL BUSINESS HOURS. SEE PREPARATION FOR HOURS OF OPERATION.
- I PROVIDE THE FOLLOWING INFECTION CONTROL MEASURES: 1. LOCK STUDY WALL OFF MAT AND HAND SANITIZER AT EACH TEMPORARY DOOR LOCATION. MAT SHALL BE RE-INSTALLED IMMEDIATELY AFTER WORK IS COMPLETED.
- J PROVIDE THE VAN OR OTHER REQUIRED TEMPORARY BARRIER AT EACH TEMPORARY DOOR LOCATION.
- K CONTRACTOR SHALL SUPPLY SPILL KIT TO INCLUDE SHOP VAC, MULTIPURPOSE SPILL CONTAINER, SOLVENTS TO ABSORB NON-ADHESIVE LIQUIDS UP TO 10 GALLONS.
- L ALL NEW MATERIAL MOVED THROUGH THE FACILITY SHALL BE COVERED WITH 4 MIL POLY SHEET.
- M ALL DEMOLITION MATERIAL SHALL BE REMOVED FROM THE PROJECT BOUNDARY THROUGH THE FACILITY TO DUMPSTER ALONG VIA APPROVED ROUTE IN ENCLOSED DUMPSTER CART DESIGNER FOR EACH APPROVED WITH A LID.
- N ALL MATERIAL, DEBRIS AND HAZARDOUS MATERIALS SHALL BE PROPERLY STORED IN DESIGNATED AREAS AND APPROVED CONTAINERS. FLAMMABLE MATERIALS SHALL NOT BE STORED IN THE FACILITY.
- O PROVIDE CONTAMINANT CATCH ABOVE CEILING ACCESS OUTSIDE PROJECT BOUNDARY.

**CODE ANALYSIS - NFPA 101, INSTITUTIONAL HEALTHCARE CHAPTER 19**

**CODE CRITERIA**  
GENERAL: THIS SUMMARY OF CODE REQUIREMENTS IS BASED PRIMARILY ON NFPA 101 (LSC) DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE IDENTIFIED. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR DOCUMENTS REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).

**LOCAL CODES** AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEW, PERMITS, INSPECTIONS, FEES, ETC.) VIA MOST FUNCTIONS AS THE AUTHORITY HAVING JURISDICTION OVER AND THROUGH THE RESPONSIBILITY TO GUARANTEE PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES.

**NOTES**  
CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS - SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA REFERENCED CODES AND STANDARDS, THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENT SYSTEM CODE.

**CODE REVIEW**  
GENERAL: THE VA LIFE SAFETY CODE, NFPA 101, WAS REVIEWED TO REVIEW THE PROJECT FOR COMPLIANCE WITH THE VA LIFE SAFETY REQUIREMENTS. FOR FEATURES NOT ADDRESSED BY NFPA 101 AND THE REFERENCED NATIONAL FIRE CODES, THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE HAS BEEN USED.

**PROJECT SCOPE**  
THE PROJECT SCOPE INCLUDES THE RELOCATING OF SEVERAL VA POLICE ROOMS AT THE SHERIDAN, WY VA MEDICAL CENTER, BUILDING 8. A RESTROOM TO BE CONVERTED INTO A ROOM WITH HOLDING CELL FOR A DESIGNATED PERSON. THIS ROOM WILL ALSO LOOK AT CHANGES TO ROOM 204 TO ALLOW FOR IMPROVED USE FOR POLICE RECORDS STORAGE. FINALLY, THIS PROJECT WILL LOOK AT THE TOTAL REBUILD OF THE POLICE CHIEF OFFICE, ROOM 201, POLICE CAPTAIN, ROOM 202, MAIN POLICE OFFICE, ROOM 203, AND THE HANGAR, ROOM 205, AND THE POSSIBILITY OF REDESIGNING ROOM 205 TO BETTER MEET OVERALL SPACE NEEDS.

**CODE ANALYSIS**  
THE CONSTRUCTION TYPE IS DETERMINED BASED UPON THE ALLOWABLE AREA AND HEIGHT REQUIREMENTS OF CHAPTERS OF THE 2018 IBC. CONSTRUCTION TYPE AND MATERIALS SHALL BE PER CHAPTERS OF THE IBC FOR TYPE 1A AND IBC 1503.0 CONSTRUCTION AS FOLLOWS:

- 1. OCCUPANCY TYPE: 1 INSTITUTIONAL, IBC CHAPTER 19.03 CHAPTER 19.03 HEALTHCARE
- 2. CONSTRUCTION TYPE: 1A (IBC CHAPTER 9)
- 3. FIRE RESISTIVE RATINGS TYPE: 1 CONSTRUCTION, CHAPTER 6 (IBC/NFPA 101)

**STRUCTURAL FRAME:**  
NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
GENERAL WALLS: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
INTERIOR PARTITIONS: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
ELEVATOR SHAFT WALLS AND PARTITIONS: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
ELEVATOR SHAFT ENCLOSURES: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
ROOF: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
FLOOR: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE  
CEILING: NONCOMBUSTIBLE, 1-HOUR FIRE RESISTIVE

**SHAFT ENCLOSURES:**  
2-HOUR FIRE RESISTIVE + 4 STORES (IBC 713.4 LSC 12.3.6)  
1-HOUR FIRE RESISTIVE + 4 STORES (IBC 713.4 LSC 12.3.6)

**4. STRUCTURAL DESIGN SHALL COMPLY WITH CHAPTER 18 OF THE IBC.**  
**5. ALLOWABLE HEIGHT: UNLIMITED FEET (IBC TABLE 604.3).**  
**6. ALLOWABLE NUMBER OF STORES ABOVE GRADE PLAN: 4 (IBC TABLE 604.4).**  
**7. ALLOWABLE AREA BASED UPON FULLY SPRINKLED: ALLOWABLE AREA: UNLIMITED (BO, TABLE 506.2).**

ADDITIONS SHALL BE SEPARATED FROM ANY EXISTING STRUCTURE NOT CONFORMING TO THE PROVISIONS WITH CHAPTER 19 BY A FIRE BARRIER HAVING NOT LESS THAN A 2-HOUR FIRE RESISTIVE RATING AND CONSTRUCTED OF MATERIALS AS REQUIRED FOR THE ADDITION (LSC 18.1.4.5). SECTIONS OF HEALTH-CARE FACILITIES SHALL BE PERMITTED TO BE CLASSIFIED AS OTHER OCCUPANCIES, PROVIDED THAT THEY MEET BOTH OF THE FOLLOWING CRITERIA (IBC 18.1.3):  
(1) THEY ARE NOT INTENDED TO PROVIDE SERVICES SIMULTANEOUSLY FOR FOUR OR MORE INPATIENTS FOR HOURS OF HOURS, TREATMENT, OR CUSTODY ACCESSED BY INPATIENTS INCAPABLE OF SELF-PRESERVATION.  
(2) THEY ARE SEPARATED FROM AREAS OF HEALTH-CARE OCCUPANCIES BY CONSTRUCTION HAVING A MINIMUM 2-HOUR FIRE RESISTIVE RATING IN ACCORDANCE WITH CHAPTER 8.1.1.4 CONTIGUOUS NON-FIRE-CARE OCCUPANCIES.

**8. MEANS OF EGRESS**  
CLEAR WIDTH OF CORRIDORS SHALL BE CLEAR FEET  
AISLES, CORRIDORS, AND HALLS IN ALL AREAS NOT INTENDED FOR THE HOUSING, TREATMENT, OR USE OF INPATIENTS SHALL BE NOT LESS THAN 44 IN. CLEAR WIDTH OF DOORS SHALL BE CLEAR 42 INCHES FROM SLEEPING ROOMS, DIAGNOSTIC AND TREATMENT AREAS, SUCH AS X-RAY, SURGERY, OR PHYSICAL THERAPY AREAS.  
CLEAR WIDTH OF DOORS SHALL BE CLEAR 32 INCHES  
NOT LESS THAN 2.0 FEET SHALL BE PROVIDED FOR FLOOR.  
ADDITION OCCUPANCY LOAD: 400 THEREAFTER, 2 EXITS REQUIRED (LSC 7.4.1)  
MAXIMUM TRAVEL DISTANCE: FULLY SPRINKLED: 200 FEET (LSC 10.2.2.1)  
COMMON PATH OF TRAVEL SHALL NOT EXCEED 100 FEET (LSC 10.2.3.3)  
DEAD END CORRIDORS SHALL NOT EXCEED 100 FEET (LSC 10.2.3.2)  
MEANS OF EGRESS SHALL BE ILLUMINATED PER 1.5 (LSC 18.2.4.2.1)  
EMERGENCY EXITS SHALL PER 1.5 (LSC 10.2.3.3)  
EXIT SIGNAGE SHALL BE PROVIDED PER 7.10 (LSC 10.2.3.3)

**9. HAZARDOUS AREAS** ANY HAZARDOUS AREAS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 8.7. AND THE AREAS DESCRIBED IN TABLE 18.3.2.1 SHALL BE PROTECTED AS REQUIRED (LSC 8.7.3.3.3).

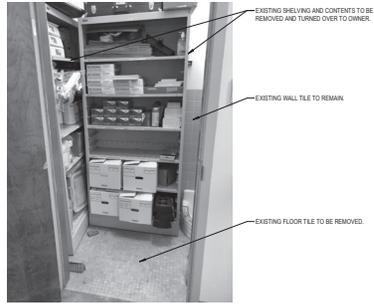
**TABLE 18.3.2.1 - HAZARDOUS AREA PROTECTION**  
STORAGE ROOMS LARGER THAN 50 FT<sup>2</sup> x 60 IN. BUT NOT EXCEEDING 100 FT<sup>2</sup> x 30 IN. AND STORING COMBUSTIBLE MATERIAL, 1 HOUR  
STORAGE ROOMS LARGER THAN 100 FT<sup>2</sup> x 30 IN. AND STORING COMBUSTIBLE MATERIAL, 1 HOUR

**10. INTERIOR FINISH**  
WALLS AND CEILING: INTERIOR FINISHES SHALL BE LIMITED PER CHAPTER 20 OF THE NFPA 101 TO CLASS A MATERIALS (LSC 18.4.3.3)  
FLOOR: INTERIOR FLOOR FINISH SHALL BE CLASS 1  
FABRIC DRAPES, CURTAINS, AND OTHER LIGHTING FIXTURES, BUT INCLUDING CURTAINS, AND OTHER LIGHTING FIXTURES AND FILMS SHALL BE CLASSIFIED OR OCCUPANCIES IN HEALTH-CARE OCCUPANCIES MUST MEET THE FLAME RESISTANCE REQUIREMENTS OF NFPA 701, STANDARD METHOD OF TESTS FOR FLAME RESISTANCE OF TEXTILES AND WALL COVERINGS (LSC 18.4.3.3.1)  
UNFURNISHED FURNITURE AND MATTRESSES, UNFURNISHED FURNITURE AND MATTRESSES MUST ALSO MEET SPECIFIED REQUIREMENTS, BASED ON NFPA 701, NFPA 261, NFPA 306, 307, 308, ASTM E1557, AND ASTM E1599.

**11. EXTINGUISHMENT REQUIREMENTS, PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED PER NFPA 101.**  
**12. DETECTION, ALARM AND COMMUNICATIONS SYSTEMS**  
FIRE ALARM SYSTEM SHALL BE PROVIDED PER NFPA 72, NFPA 720, NFPA 721, NFPA 722, NFPA 723, NFPA 724, NFPA 725, NFPA 726, NFPA 727, NFPA 728, NFPA 729, NFPA 730, NFPA 731, NFPA 732, NFPA 733, NFPA 734, NFPA 735, NFPA 736, NFPA 737, NFPA 738, NFPA 739, NFPA 740, NFPA 741, NFPA 742, NFPA 743, NFPA 744, NFPA 745, NFPA 746, NFPA 747, NFPA 748, NFPA 749, NFPA 750, NFPA 751, NFPA 752, NFPA 753, NFPA 754, NFPA 755, NFPA 756, NFPA 757, NFPA 758, NFPA 759, NFPA 760, NFPA 761, NFPA 762, NFPA 763, NFPA 764, NFPA 765, NFPA 766, NFPA 767, NFPA 768, NFPA 769, NFPA 770, NFPA 771, NFPA 772, NFPA 773, NFPA 774, NFPA 775, NFPA 776, NFPA 777, NFPA 778, NFPA 779, NFPA 780, NFPA 781, NFPA 782, NFPA 783, NFPA 784, NFPA 785, NFPA 786, NFPA 787, NFPA 788, NFPA 789, NFPA 790, NFPA 791, NFPA 792, NFPA 793, NFPA 794, NFPA 795, NFPA 796, NFPA 797, NFPA 798, NFPA 799, NFPA 800, NFPA 801, NFPA 802, NFPA 803, NFPA 804, NFPA 805, NFPA 806, NFPA 807, NFPA 808, NFPA 809, NFPA 810, NFPA 811, NFPA 812, NFPA 813, NFPA 814, 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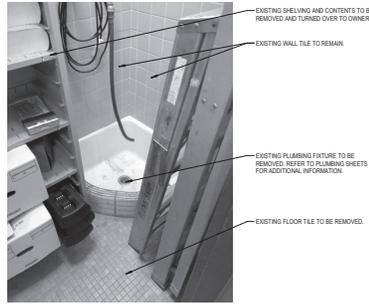


P-1

EXISTING SHELVING AND CONTENTS TO BE REMOVED AND TURNED OVER TO OWNER.

EXISTING WALL TILE TO REMAIN.

EXISTING FLOOR TILE TO BE REMOVED.



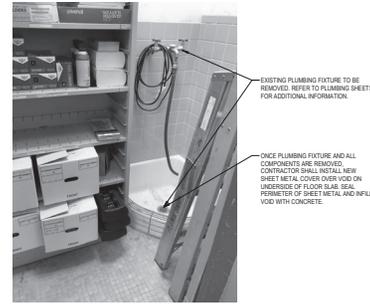
P-2

EXISTING SHELVING AND CONTENTS TO BE REMOVED AND TURNED OVER TO OWNER.

EXISTING WALL TILE TO REMAIN.

EXISTING PLUMBING FIXTURES TO BE REMOVED. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.

EXISTING FLOOR TILE TO BE REMOVED.



P-3

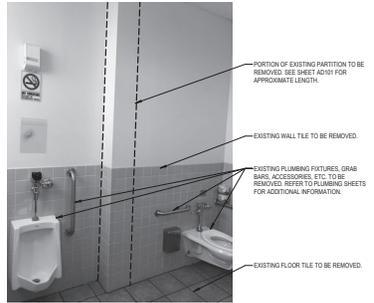
EXISTING PLUMBING FIXTURES TO BE REMOVED. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.

ONCE PLUMBING FIXTURE AND ALL COMPONENTS ARE REMOVED, CONTRACTOR SHALL INSTALL NEW SHEET METAL COVER OVER VOID ON UNDERSIDE OF FLOOR SLAB. SEE PERIMETER OF SHEET METAL AND INFILL VOID WITH CONCRETE.



P-4

APPROXIMATE LOCATION OF NEW ACCESS PANEL. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.



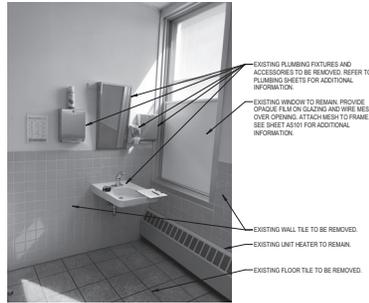
P-5

PORTION OF EXISTING PARTITION TO BE REMOVED. SEE SHEET A501 FOR APPROXIMATE LENGTH.

EXISTING WALL TILE TO BE REMOVED.

EXISTING PLUMBING FIXTURES, GRAB BARS, ACCESSORIES, ETC. TO BE REMOVED. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.

EXISTING FLOOR TILE TO BE REMOVED.



P-6

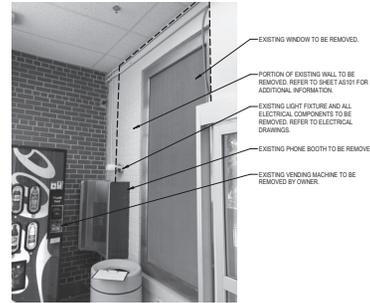
EXISTING PLUMBING FIXTURES AND ACCESSORIES TO BE REMOVED. REFER TO PLUMBING SHEETS FOR ADDITIONAL INFORMATION.

EXISTING WINDOW TO REMAIN. PROVIDE SPACER FILM ON GLAZING AND WIRE MESH OVER OPENING. ATTACH MESH TO FRAME. SEE SHEET A501 FOR ADDITIONAL INFORMATION.

EXISTING WALL TILE TO BE REMOVED.

EXISTING UNIT HEATER TO REMAIN.

EXISTING FLOOR TILE TO BE REMOVED.



P-7

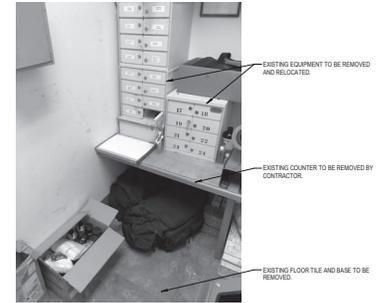
EXISTING WINDOW TO BE REMOVED.

PORTION OF EXISTING WALL TO BE REMOVED. REFER TO SHEET A501 FOR ADDITIONAL INFORMATION.

EXISTING LIGHT FIXTURE AND ALL ELECTRICAL COMPONENTS TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS.

EXISTING PHONE BOOTH TO BE REMOVED.

EXISTING VENDING MACHINE TO BE REMOVED BY OWNER.

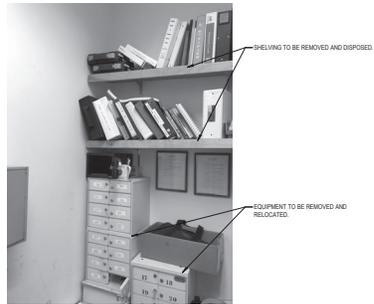


P-8

EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED.

EXISTING COUNTER TO BE REMOVED BY CONTRACTOR.

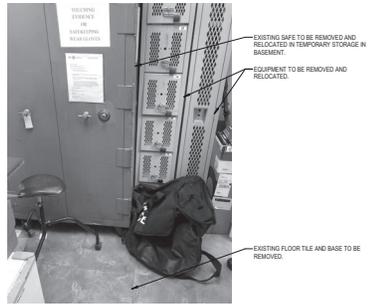
EXISTING FLOOR TILE AND BASE TO BE REMOVED.



P-9

SHELVING TO BE REMOVED AND DISPOSED.

EQUIPMENT TO BE REMOVED AND RELOCATED.

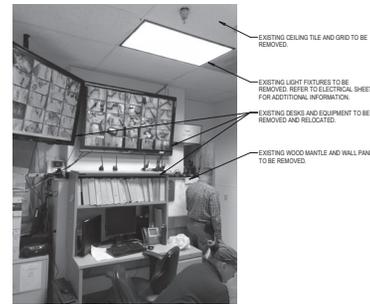


P-10

EXISTING SAFE TO BE REMOVED AND RELOCATED IN TEMPORARY STORAGE IN BASEMENT.

EQUIPMENT TO BE REMOVED AND RELOCATED.

EXISTING FLOOR TILE AND BASE TO BE REMOVED.



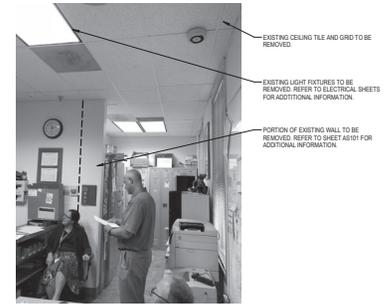
P-11

EXISTING CEILING TILE AND GRID TO BE REMOVED.

EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

EXISTING DESKS AND EQUIPMENT TO BE REMOVED AND RELOCATED.

EXISTING WOOD MANTLE AND WALL PANEL TO BE REMOVED.



P-12

EXISTING CEILING TILE AND GRID TO BE REMOVED.

EXISTING LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.

PORTION OF EXISTING WALL TO BE REMOVED. REFER TO SHEET A501 FOR ADDITIONAL INFORMATION.

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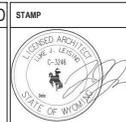
Revisions:	Date:

**CONSULTANT**

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JAMES GOODEN



**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

Drawing Title:  
**DEMOLITION REFERENCED IMAGES**

Approved:  
**STEPHEN PETZOLD, COR**

Phase:  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title:  
**REMODEL B9 POLICE SERVICE ROOMS**

Location:  
**1898 FORT ROAD, SHERIDAN, WY**

Issue Date:  
**02/16/2018**

Checked:  
**JLG**

Drawn:  
**JP**

Project Number:  
**686-18-01S**

Building Number:  
**9**

Drawing Number:  
**AD102**



**REFLECTED CEILING PLAN GENERAL NOTES**

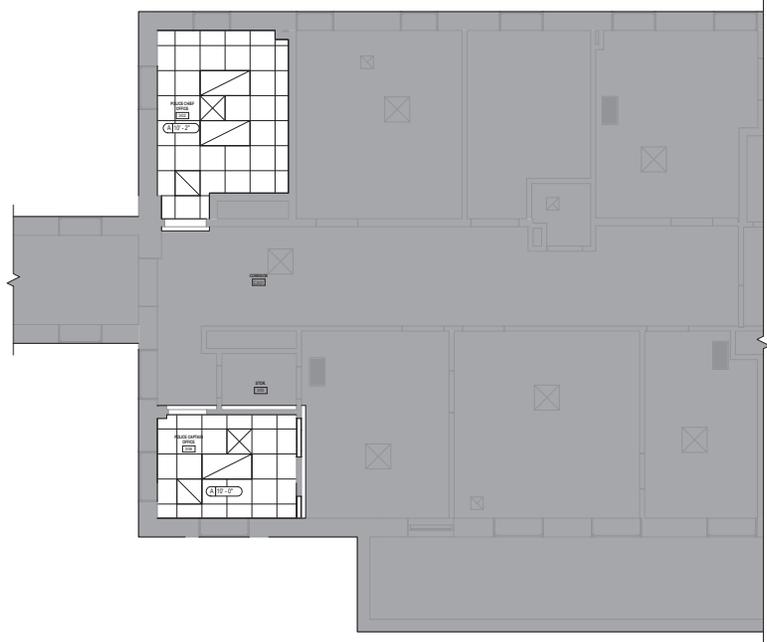
- A THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN THE LAYOUT OF ALL CEILING ELEMENTS, HEIGHTS AND/OR PENETRATIONS. COORDINATION OF THE ARCHITECTURAL AND ENGINEERING ELEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS TO VERIFY FIELD CONDITIONS AND REPORTS ANY DISCREPANCIES TO ARCHITECT AND COR.
- B ROOM SIZES OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO ENGINEERING PLANS FOR ADDITIONAL INFORMATION. COORDINATE SCOPE OF WORK WITH ENGINEERING DRAWINGS, UNLESS OTHERWISE NOTED.
- C ACOUSTIC PANEL CEILING SHALL BE CENTERED IN THE ROOM AND INSTALLED TO ELEMENTS NARROW CUT STRIPS OF PANELS ALONG THE EDGES OF WALLS AND BALANCE ADS, UNLESS OTHERWISE NOTED. COORDINATE WITH THE LIGHTING LAYOUT. THE LIGHTING SHALL BE CENTERED IN ROOMS.
- D CEILING MOUNTED ITEMS (SPRINKLER HEADS, MOUNTING DEVICES, ETC.) SHALL BE CENTERED IN THE CEILING PANELS UNLESS NOTED OTHERWISE.
- E ABOVE CEILING WORK REQUIRED BEYOND THE SCOPE OF THE WORK SHALL BE COORDINATED WITH FACILITY SAFETY, INJECTION CONTROL, AND COR.
- F CEILING TILE REMOVED IN ORDER TO COMPLETE ABOVE CEILING WORK SHALL BE STORED IN A SAFE DRY LOCATION. DAMAGED OR BROKEN CEILING TILES SHALL BE REPLACED. ORIGINAL CEILING SHALL BE PATCHED, PREPARED AND NEW FINISH APPLIED TO MATCH EXISTING.
- G REFER TO FINISHES SHEETS AND SPECIFICATIONS FOR INFORMATION ON Gypsum BOARD CEILING PAINT FINISH.
- H WHERE NEW CEILINGS ARE INSTALLED AND SPRINKLERS ARE EXISTING TO REMAIN, SPRINKLERS SHALL BE ADJUSTED TO NEW CEILING HEIGHTS, WHEN APPLICABLE. COORDINATE WITH FIRE PROTECTION DRAWINGS.

**REFLECTED CEILING PLAN NOTES**

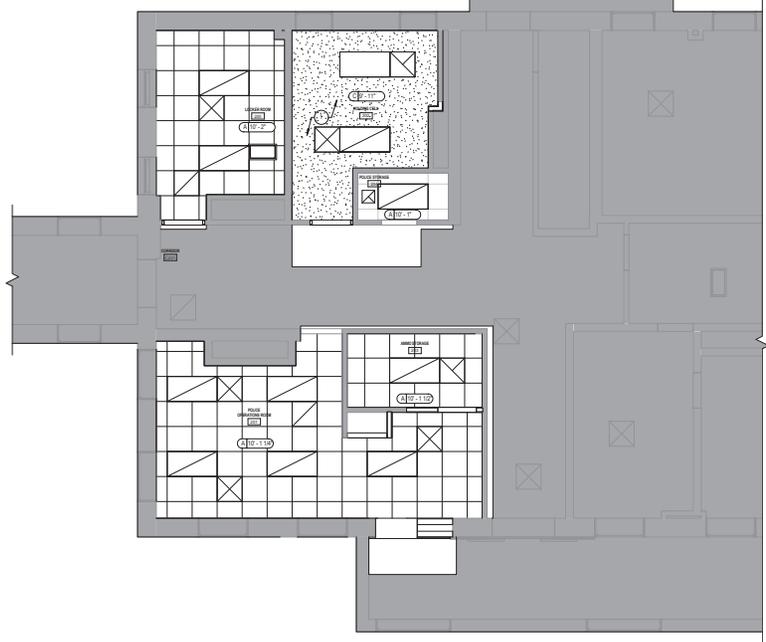
- 1 INSTALL TWO LAYERS OF 5/8" TYPE-X GYPSUM BOARD PRIME AND PAINT. REFER TO FINISH SCHEDULE.

**REFLECTED CEILING PLAN TYPE LEGEND**

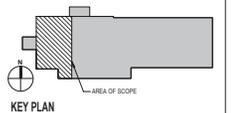
TYPE	GRAPHIC	DESCRIPTION
A		2x4 ACOUSTICAL CEILING TILE, EXISTING TO REMAIN
B		2x2 ACOUSTICAL CEILING TILE
C		GYPSUM BOARD CEILING, CEILING PAINT, P.A.



**THIRD FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"



**SECOND FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"



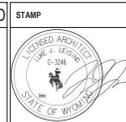
**KEY PLAN**

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Revisions:	Date:

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 JAMES GOODEN



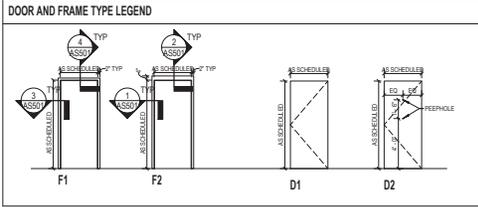
**Office of Construction and Facilities Management**  
 VA U.S. Department of Veterans Affairs

Drawing Title  
**SECOND & THIRD FLOOR REFLECTED CEILING PLAN**  
 Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
**REMDEL B9 POLICE SERVICE ROOMS**  
 Location  
**1898 FORT ROAD, SHERIDAN, WY**  
 Issue Date  
**02/16/2018**

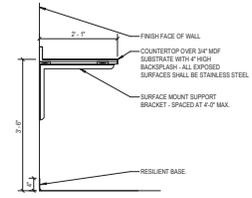
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**686-18-01S**  
 Building Number  
**9**  
 Drawing Number  
**AS111**



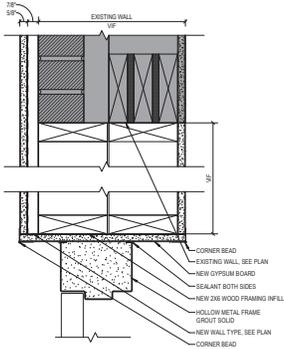
### DOOR SCHEDULE

V	NUMBER	ROOM	NAME	DIMENSIONS			DOOR		FRAME			DETAIL				FIRE RATING	HARDWARE SET	COMMENTS
				WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SEAL			
	D0A	D00	LOCKER ROOM	3'-0"	7'-0"	1 3/4"	D1	MD	CLD	F1	HM	P-2	BARSH	BARSH		AS MIN.	DH1	1
	D0B	D01	POLICE OPERATIONS ROOM	3'-0"	7'-0"	1 3/4"	D2	MD	CLD	F1	HM	P-2	BARSH	BARSH		AS MIN.	DH1	2
	D0C	D02	HOLDING CELL	3'-0"	7'-0"	1 3/4"	D1	MD	CLD	F1	HM	P-2	BARSH	BARSH		AS MIN.	DH1	2
	D0A	D03	ARMY STORAGE	3'-0"	7'-0"	1 3/4"	D1	MD	CLD	F1	HM	P-2	BARSH	BARSH		AS MIN.	DH1	1

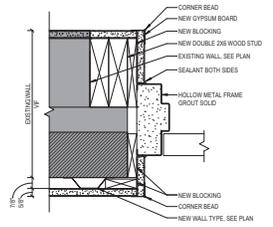
- ### DOOR AND FRAME GENERAL NOTES
- CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL HARDWARE REQUIREMENTS BETWEEN HARDWARE SUPPLIERS, ACCESS CONTROL VENDOR, AND ANY OTHER TRADES THAT ARE INVOLVED. REQUIRED POWER SUPPLIES AND AUXILIARY COMPONENTS THAT ARE REQUIRED TO HAVE A HARDWARE SET WORK BETWEEN ACCESS CONTROL AND HARDWARE SHALL BE PROVIDED.
  - ALL HOLLOW METAL DOORS AND FRAMES SHALL BE FACTORY PRIMED AND RECEIVE PAINT FINISH ON SITE. REFER TO FINISH SCHEDULE FOR HOLLOW METAL PAINT COLOR.
  - PROVIDE SEALANT AROUND PERIMETER OF DOOR WINDOW FRAME ADJACENT TO WALL AND FLOOR CONSTRUCTION, BOTH SIDES.
  - LOCATE HINGE SIDE OF DOOR 6" OFF OF ADJACENT WALL UNLESS OTHERWISE INDICATED ON FLOOR PLAN AS NOTED.
  - MAINTAIN ADA CLEARANCE AROUND DOORS AND REFER ANY DISCREPANCIES TO THE COR AND ARCHITECT FOR CLARIFICATION.
  - RATED FRAMES, DOORS AND GLAZING SHALL BE L.A. LABELED IN A VISIBLE LOCATION.
  - REFER TO DOOR WINDOW AND FRAME LEGEND FOR REFERENCE TO TYPICAL HEAD, JAMB AND SILL DETAILS.
  - ALL HOLLOW METAL JAMBS TO BE PREPARED FOR ACCESS CONTROL AND SECURITY HARDWARE. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.
  - REFER TO SPECIFICATIONS AND ENGINEERING DRAWINGS FOR ADDITIONAL HARDWARE INFORMATION.
  - COORDINATE POWER AND DATA REQUIREMENTS AT DESIGNATED DOOR OPENINGS WITH ENGINEERING DRAWINGS.
- ### DOOR SCHEDULE COMMENTS
- PROVIDE CARD READER AND ASSOCIATED ACCESSORIES. PROVIDE ELECTRIC STRIKE AND OR ELECTRICITY EXIT DEVICES AS REQUIRED. REFER TO ENGINEERING DRAWINGS AND ACCESS CONTROL FOR ADDITIONAL INFORMATION.
  - PROVIDE PREEHOLE.



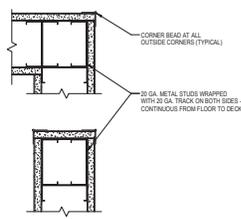
TYPICAL CASEWORK - OPEN W/ EQUIPMENT  
SCALE: 3/4" = 1'-0"



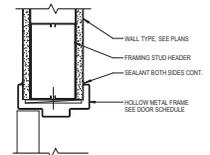
DOOR HEAD DETAIL, MASONRY  
SCALE: 7/16"



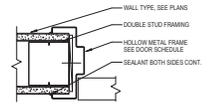
DOOR JAMB DETAIL, MASONRY  
SCALE: 7/16"



TYPICAL CORNER FRAMING DETAIL  
SCALE: 7/16"



DOOR HEAD DETAIL, HM  
SCALE: 7/16"



DOOR JAMB DETAIL, HM  
SCALE: 7/16"

Revisions:	Date:

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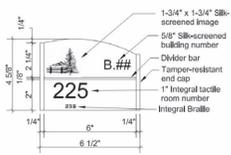
Office of  
 Construction  
 and Facilities  
 Management  
 VA U.S. Department  
 of Veterans Affairs

Drawing Title  
**ARCHITECTURAL DETAILS**  
 Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
**REMDEL B9 POLICE SERVICE ROOMS**  
 Location  
**1898 FORT ROAD, SHERIDAN, WY**  
 Issue Date  
**02/18/2018**  
 Checked  
**JLG**  
 Drawn  
**JP**

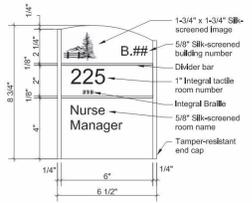
Project Number  
**686-18-01S**  
 Building Number  
**9**  
 Drawing Number  
**AS501**



**SIGN TYPE A**  
Room Identification # Only  
2190 Modular Thin Sign



NOTE:  
CONTRACTOR TO COORDINATE WITH OWNER ON EXACT  
VERBAGE AND EXACT LOCATION OF SIGNAGE.



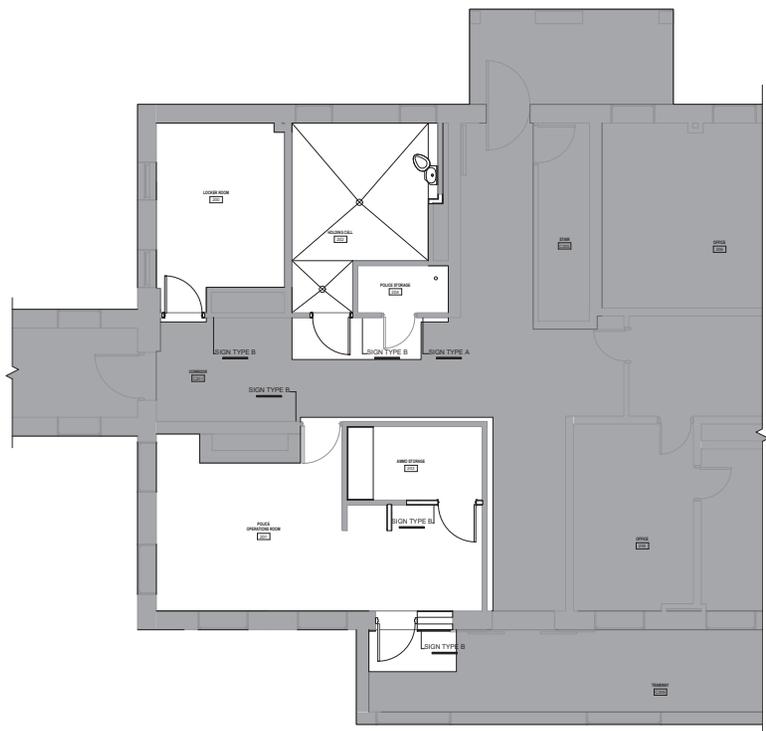
**SIGN TYPE B**  
Room Identification Typical  
2190 Modular Thin Sign



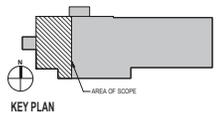
NOTE:  
CONTRACTOR TO COORDINATE WITH OWNER ON EXACT  
VERBAGE AND EXACT LOCATION OF SIGNAGE.



**THIRD FLOOR ARCHITECTURAL SIGNAGE PLAN**  
SCALE: 1/8" = 1'-0"



**SECOND FLOOR ARCHITECTURAL SIGNAGE PLAN**  
SCALE: 1/8" = 1'-0"



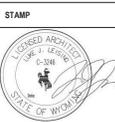
KEY PLAN

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Revisions:	Date:

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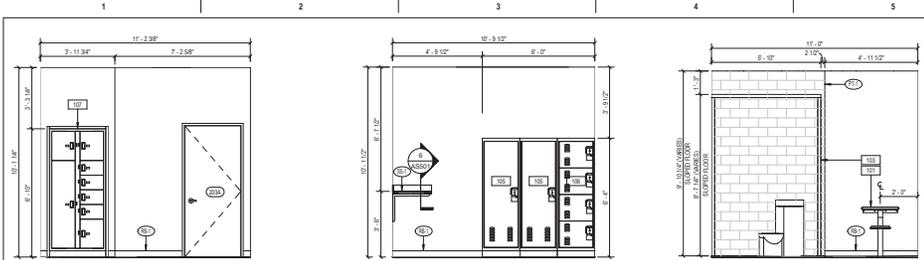
Office of  
 Construction  
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 of Veterans Affairs

Drawing Title  
**SECOND & THIRD FLOOR  
 SIGNAGE PLAN**  
 Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION  
 DOCUMENTS**  
**FULLY SPRINKLERED**

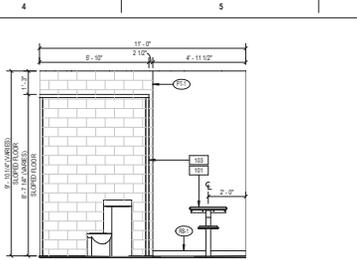
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**REMODEL B9 POLICE SERVICE  
 ROOMS**  
 Location  
**1898 FORT ROAD, SHERIDAN, WY**  
 Issue Date  
**02/16/2018**

Project Number  
**686-18-01S**  
 Building Number  
**9**  
 Drawing Number  
**AS801**

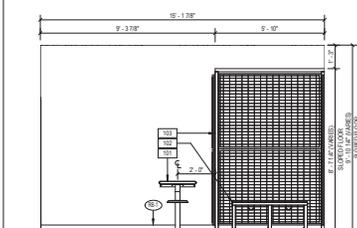


**INTERIOR ELEVATION @ POLICE OPERATIONS ROOM**  
SCALE 3/8"=1'-0"

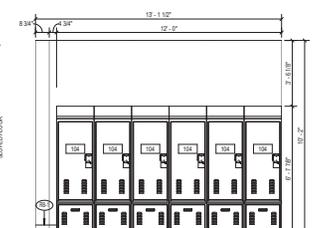
**INTERIOR ELEVATION @ AMMO STORAGE**  
SCALE 3/8"=1'-0"



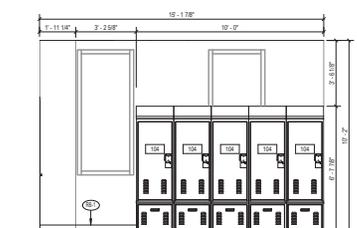
**INTERIOR ELEVATION @ HOLDING CELL**  
SCALE 3/8"=1'-0"



**INTERIOR ELEVATION @ HOLDING CELL**  
SCALE 3/8"=1'-0"



**INTERIOR ELEVATION @ LOCKER ROOM**  
SCALE 3/8"=1'-0"



**INTERIOR ELEVATION @ LOCKER ROOM**  
SCALE 3/8"=1'-0"



**THIRD FLOOR FINISH PLAN**  
SCALE 1/4"=1'-0"



**SECOND FLOOR EQUIPMENT & FINISH PLAN**  
SCALE 1/4"=1'-0"

ROOM FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING	SIGN TYPE	SIGN COPY	COMMENTS	
200	LOCKER ROOM	VF-1	RS-1	R-1	R-1	BSN TYPE B			
201	POLICE OPERATIONS ROOM	LV1-A	RS-1	R-1	R-1	BSN TYPE B			
202	HOLDING CELL	RS-1	RS-1	R-1, R1-1	P-4	BSN TYPE B			
203	AMMO STORAGE	VF-1	RS-1	R-1	R-1	BSN TYPE B			
204	POLICE STORAGE	VF-1	RS-1	R-1	R-1	BSN TYPE A			
205	POLICE CHIEF OFFICE	CVT-1	RS-1	R-1	R-1	BSN TYPE B			
206	POLICE OFFICER OFFICE	CVT-1	RS-1	R-1	R-1	BSN TYPE B			

EQUIPMENT AND FURNITURE SCHEDULE									
MARK	DESCRIPTION	MANUFACTURER	TYPE	FURNISHED	COMMENTS				
01	WALL MOUNTED CELL DESK	NOXOR	CFCI	A					
02	48" WIDE FLOOR MOUNTED BENCH WITH CURF BAR	NOXOR	CFCI	A					
03	ROUNDER WITH HOLDING CELL	ESQUIRE	CFCI	A					
04	FLOOR BENCH DRAWER PERSONAL LOCKER	SSG-550	CFCI	A					
05	FULL WEIGHT DOOR PERSONAL LOCKER	SSG-550	CFCI	A					
06	1 TIER PERSONAL LOCKER	SSG-550	CFCI	A					
07	EVIDENCE LOCKER AND TRIM	SSG-550	CFCI	A					
08	KEY CABINET	MOORE WATCHMANS	CFCI	A, B					

FINISH SCHEDULE									
FINISH MARK	FINISH	MANUFACTURER	PATTERN/STYLE	COLOR	SIZES	COMMENTS			
BS-1	STAINLESS STEEL								
CF-1	CARPET TILE	MANNINGTON	MONTAGE	BS18 PARQUET	24" X 24"	NONALTRIC INSTALLATION			
CF-2	WICK TILE	CLASICS	CLASSICS	315B FORTRESS WHITE	12" X 12"	QUARTER TURN INSTALLATION			
RS-1	SPOR REFIN				N/A				
LV1-1	LOCKER VINYL TILE	JOHNSONITE	SR	SEE WORKLOG	4" X 8"				
TS-1	TRANSITION STRIP METAL	SCHLITZER	SCALUTER RENOU	STAINLESS STEEL	4" X 30"	CERAMIC TO RESILIENT FLOOR			
TS-2	TRANSITION STRIP RESILIENT	JOHNSONITE	TA-XL-A			CARPET TO RESILIENT FLOOR			
WC-1	INTERIOR HORIZONTAL SLINGS	MULTER DOUGLAS				VERIFY SIZE IN FIELD			
WC-2	ROLLER BRIDGE BLACK OUT	MECHO	BOONEL	WHITE	2" SLAT	VERIFY SIZE IN FIELD			
CF-3	POSSIBLE TILE					1/4" OPENNESS			
RS-1	RESILIENT BASE	JOHNSONITE	SR	SE FAWN	6"				
P-1	PAINT	SHERWIN WILLIAMS		OPHTON ACCESSIBLE BEIGE					
P-2	PAINT	SHERWIN WILLIAMS		SPRINK MICA CREEK					
P-3	PAINT	SHERWIN WILLIAMS		SPRINK TROJAN BLACK					
P-4	PAINT	SHERWIN WILLIAMS		SPRINK PURE WHITE					
P-5	PAINT	SHERWIN WILLIAMS		SPRINK BLUEBLOOD					

EQUIPMENT GENERAL NOTES	
A	PROVIDE BLOCKING IN WALLS TO ACCOMMODATE CASEWORK, FURNISHINGS, TECHNOLOGY AND WALL MOUNTED ACCESSORIES.
B	REFER TO SHEET A4010 FOR EQUIPMENT PLAN AND INTERIOR ELEVATION.

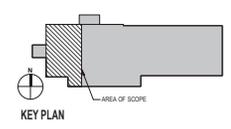
EQUIPMENT PLAN NOTES	
1	PROVIDE WALL MOUNTED CELL DESK. PROVIDE BLOCKING FOR WALL MOUNTED CELL DESK.
2	PROVIDE FLOOR MOUNTED 48" WIDE DETENTION BENCH WITH CURF BAR. SEE SPEC SECTION 02-80.
3	PROVIDE (11) 34" WIDE PERSONAL LOCKER WITH INTEGRAL BENCH AND BOTTOM DRAWER. SEE SPEC SECTION 19-51.13.
4	PROVIDE 36" WIDE EVIDENCE STORAGE LOCKER WITH WALL TRIM. SEE SPEC SECTION 19-11.15.
5	PROVIDE (3) 24" WIDE FIREARM STORAGE. SEE SPEC SECTION 11-19.16.
6	PROVIDE WALL MOUNTED KEY CABINET. SEE SPEC SECTION 11-00.00.
7	PROVIDE NEW STEEL HOLDING CELL. SEE SPEC SECTION 05-59.63.

EQUIPMENT SCHEDULE COMMENTS	
A	REFER TO EQUIPMENT PLAN A4010 AND ELEVATIONS ON A4010 FOR ADDITIONAL INFORMATION.
B	COORDINATE EQUIPMENT LOCATION, POWER AND DATA EQUIPMENT WITH EQUIPMENT AND ENGINEERING DRAWINGS.

RESPONSIBLE PARTY LEGEND	
MARK	
100	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED CFCI
200	GOVERNMENT FURNISHED / CONTRACTOR INSTALLED GFCI
300	GOVERNMENT FURNISHED / CONTRACTOR ROUGH-IN GFCR
400	GOVERNMENT FURNISHED / GOVERNMENT INSTALLED GFGI

ROOM FINISH GENERAL NOTES	
A	WALL FINISHES TO BE PROVIDED FROM CORNER TO CORNER, FLOOR TO CEILING.
B	REFER TO FLOOR PLANS A4010 FOR INFORMATION REGARDING ACCENT PAINT LOCATIONS AND FLOORING PATTERNS.
C	PROVIDE P-1 ON WALLS, UNLESS OTHERWISE NOTED.
D	PROVIDE P-3 ON WALLS, UNLESS OTHERWISE NOTED.
E	PROVIDE P-4 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
F	PROVIDE P-5 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
G	PROVIDE P-6 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
H	PROVIDE P-7 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
I	PROVIDE P-8 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
J	PROVIDE P-9 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.
K	PROVIDE P-10 ON DRYWALL BOARD CEILINGS AND BULKHEADS, UNLESS OTHERWISE NOTED.

ROOM FINISH SCHEDULE COMMENTS	
1	SEE FINISH NOTE ON FLOOR PLANS FOR ACCENT PAINT WALL. ACCENT PAINT SHALL BE P-3 FIELD COLOR & P-5 (7" HORIZONTAL STRIP CENTERED ON WALL).
2	TILE TO BE LOCATED ON WALL WITH PLUMBING FIXTURE. REFER TO ELEVATION A4010 FOR ADDITIONAL INFORMATION.



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 VA FORM 08 - 6221

Revisions:	Date:

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 JAMES GOODEN



Office of  
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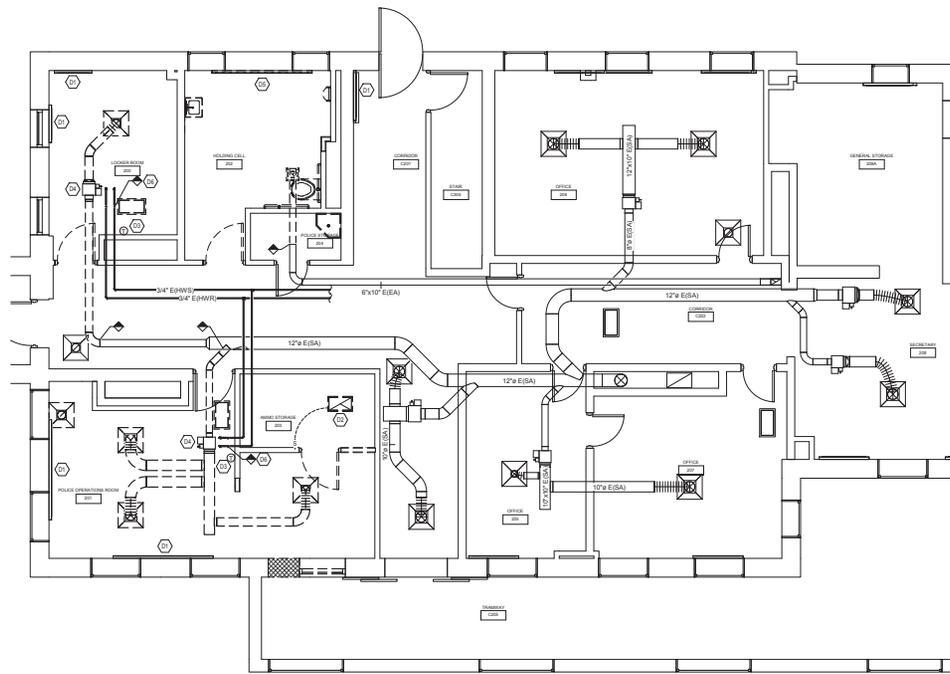
Drawing Title  
**SECOND & THIRD FLOOR  
 EQUIPMENT & FINISH PLAN**  
 Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION  
 DOCUMENTS**  
 Fully Sprinklered

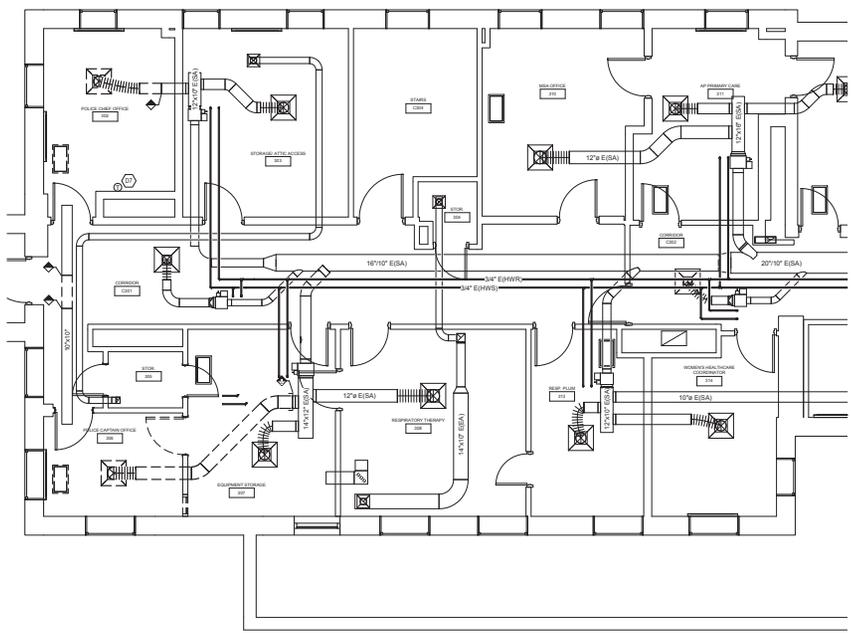
Project Title  
**REMODEL B9 POLICE SERVICE  
 ROOMS**  
 Location  
**1898 FORT ROAD, SHERIDAN, WY**  
 Issue Date  
**02/16/2018**  
 Checked  
**JLG**  
 Drawn  
**JP**

Project Number  
**696-18-01S**  
 Building Number  
**9**  
 Drawing Number  
**AQ101**



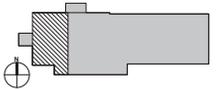


SECOND FLOOR PLAN - MECHANICAL DEMOLITION  
 1/4" = 1'-0"



THIRD FLOOR PLAN - MECHANICAL DEMOLITION  
 1/4" = 1'-0"

TAGGED NOTES	
DT	UNIT HEATER TO REMAIN.
ES	REMOVE EXHAUST FAN AND CONTROLS COMPLETE.
ES	EXISTING THERMOSTAT TO BE REMOVED COMPLETE.
CH	EXISTING W/6 BOX TO BE REMOVED COMPLETE, INCLUDING ALL MECHANICAL PIPING, ELECTRICAL AND CONTROL CONNECTIONS. COORDINATE REMOVAL WITH ALL OTHER TRADES.
ES	EXISTING UNIT HEATER TO BE REMOVED COMPLETE, INCLUDING ALL MECHANICAL PIPING, ELECTRICAL AND CONTROL CONNECTIONS. COORDINATE REMOVAL WITH ALL OTHER TRADES. CAP PIPING IN WALL/BELOW FLOOR AS NECESSARY.
DR	REMOVE EXISTING HYDR PIPING AS INDICATED. EXISTING VALVES (G/67 OFFER CONTROL, STRAINERS, ETC.) SHALL REMAIN.
DT	EXISTING THERMOSTAT TO REMAIN.

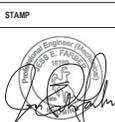


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Revisions:	Date:

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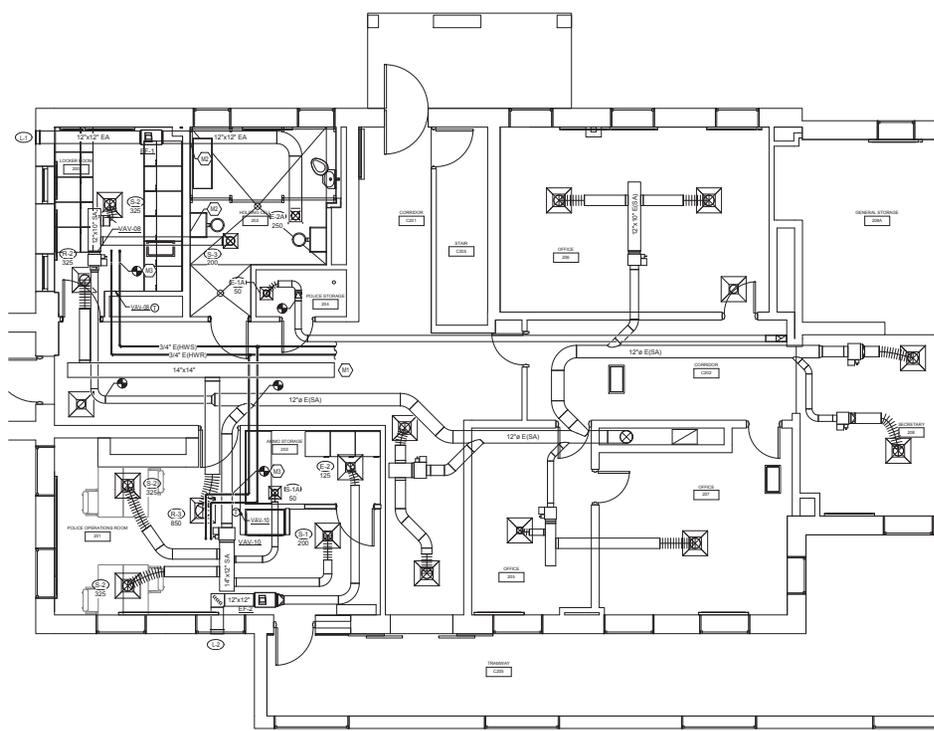
Office  
 Construction and  
 Facilities  
 Management  
 VA U.S. Department  
 of Veterans Affairs

Drawing Title  
**SECOND & THIRD FLOOR - MECHANICAL DEMOLITION PLANS**  
 Approved:  
 STEPHEN PETZOLD, COR

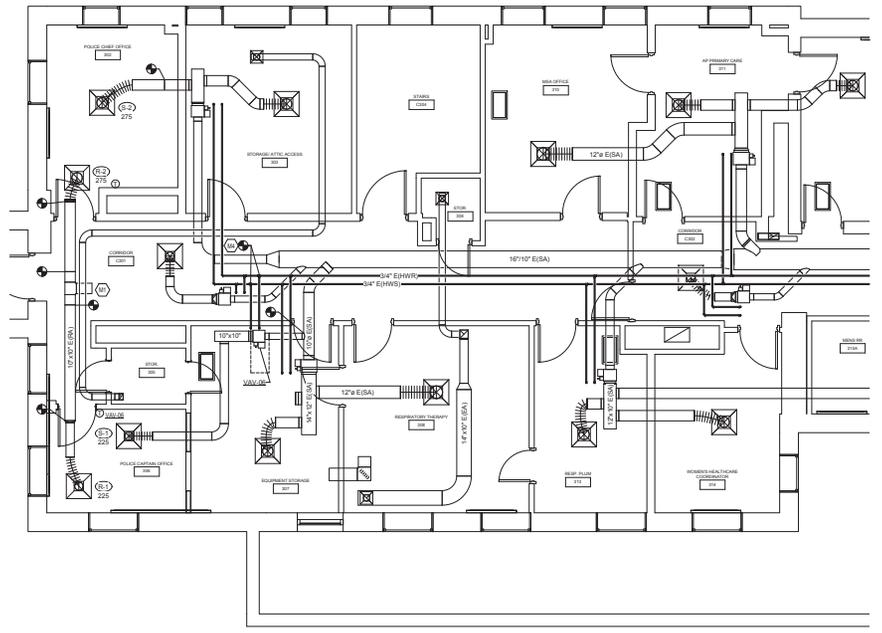
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Project Title  
 REMODEL B9 POLICE SERVICE ROOMS  
 Location  
 1898 FORT ROAD, SHERIDAN, WY  
 Issue Date  
 02/16/2019

Project Number  
 686-18-01S  
 Building Number  
 9  
 Drawing Number  
 MD101



① SECOND FLOOR PLAN - MECHANICAL  
1/4" = 1'-0"



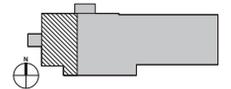
② THIRD FLOOR PLAN - MECHANICAL  
1/4" = 1'-0"

**TAGGED NOTES**

- 101 ELECTRO-FYRAL CONNECTION PROVIDED IN SEPARATE PROJECT
- 102 PROVIDE SECURITY BARS IN DUCTWORK PENETRATING WALL
- 103 EXTEND 3/4" HWZER PIPING FROM EXISTING VALVES. CONNECT NEW THERMOSTAT TO EXISTING CONTROL VALVE
- 104 CONNECT NEW 3/4" PIPER TO EXISTING 3/4" PIPER

EQUIP TAG	COOLING MIN CFM	HEATING MIN CFM	HW GPM	PIPE SIZE
VAV-08	225	140	0.6	3/4"
VAV-09	325	320	1.4	3/4"
VAV-10	300	630	2.7	3/4"

DIFFUSER	DUCT SIZE	GRILLE SIZE	DUCT SIZE	GRILLE SIZE	DUCT SIZE
S-1A	8"Ø	R-1	8"Ø	E-1A	8"Ø
S-1B-3	8"Ø	R-2	8"Ø	E-2	8"Ø
S-2	10"Ø	R-3	14"Ø	E-3A	8"Ø



Revisions:	Date:

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Office  
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Facilities  
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**VA** U.S. Department  
of Veterans Affairs

Drawing Title  
**SECOND & THIRD FLOOR -  
MECHANICAL PLANS**

Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION  
DOCUMENTS**

Fully Sprinklered

Project Title  
**REMODEL B9 POLICE SERVICE  
ROOMS**

Location  
**1898 FORT ROAD, SHERIDAN, WY**

Issue Date  
**02/18/2019**

Checked  
**AJM**

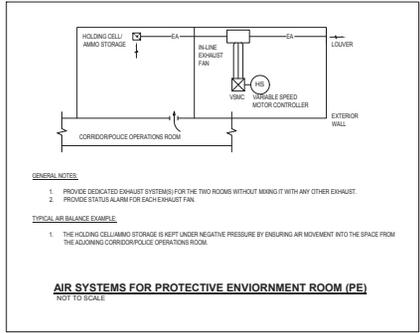
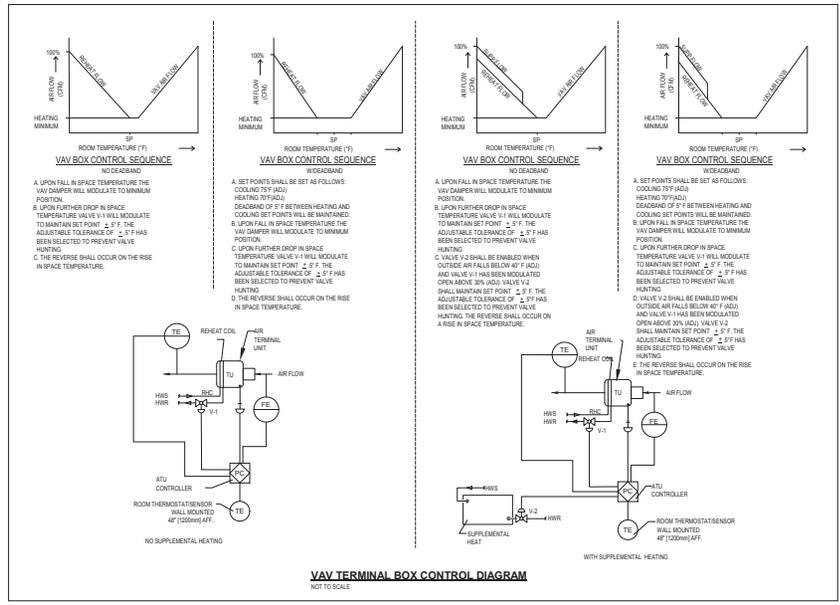
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Project Number  
**686-18-01S**

Building Number  
**9**

Drawing Number  
**MH101**

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- CONTROL SYMBOLS**
- (T) ROOM THERMOSTAT/TRANSMITTER - WALL MOUNT
  - (M) ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER - WALL MOUNT
  - (TT) TEMPERATURE TRANSMITTER
  - (TT) TEMPERATURE TRANSMITTER, AVERAGING ELEMENT
  - (HC) MOISTURE (RH/MD) TRANSMITTER
  - (PT) PRESSURE TRANSMITTER
  - (SPS) STATIC PRESSURE SENSOR
  - (FT) FLOW TRANSMITTER
  - (IT) CURRENT TRANSMITTER
  - (CT) CONDUCTIVITY TRANSMITTER
  - (SD) SMOKE DETECTOR
  - (PDP) PRESSURE DIFFERENTIAL TRANSMITTER
  - (PDR) PRESSURE DIFFERENTIAL SWITCH
  - (HBS) HAND SWITCH/HAND-OFF/AUTO SWITCH
  - (ZC) VALVE OR DAMPER POSITION CONTROLLER
  - (HR) LOCAL RECORDING TIME CLOCK (RUNTIME)
  - (TBL) TEMPERATURE SWITCH, LOW (FREEZE/STAT)
  - (TBR) TEMPERATURE SWITCH, HIGH (FREEZE/STAT)
  - (LC) LEVEL CONTROLLER
  - (LT) LEVEL TRANSMITTER
  - (PH) PRESSURE SWITCH HIGH
  - (PL) PRESSURE SWITCH LOW
  - (EPT) ELECTRONIC TO PNEUMATIC TRANSDUCER
  - (AT) CARBON DIOXIDE TRANSMITTER
  - (CO) CARBON MONOXIDE TRANSMITTER
  - (OC) OCCUPANCY SENSOR
  - (TSP) LOCAL TEMPERATURE CONTROL PANEL
  - (HVAC) HVAC CONTROL PANEL
  - (VSMC) VARIABLE SPEED MOTOR CONTROLLER
  - (EGC) INTEGRATE CONTROL POINT ON REMOTE GRAPHICS WORKSTATION AT ENERGY CONTROL CENTER
  - (TC) TEMPERATURE CONTROLLER. SEE SEQUENCE OF OPERATION
  - (PC) PRESSURE CONTROLLER. SEE SEQUENCE OF OPERATION
  - (SC) SPEED CONTROLLER. SEE SEQUENCE OF OPERATION
  - (FC) FLOW CONTROLLER. SEE SEQUENCE OF OPERATION
  - (FPH) FLOW SWITCH HIGH
  - (FBL) FLOW SWITCH LOW
  - (HC) TIME CLOCK CONTROLLING EQUIPMENT ON A SCHEDULE
  - (TSE) TEMPERATURE SENSING ELEMENT FOR TRANSMITTING TEMPERATURE TO EMS (PROVIDE 12 INCHES (305mm) MINIMUM LENGTH IN DUCT WHEN SPACE PERMITS.)
  - (SA) SENSOR WITH AVERAGING ELEMENT TO TRANSMIT TEMPERATURE TO EMS
  - (M) MOTOR STARTER
  - (E) ELECTRIC OPERATED CONTROL DAMPER/VALVE

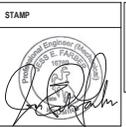
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Drawing Title  
**MECHANICAL CONTROLS DIAGRAMS**

Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION DOCUMENTS**

FULLY SPRINKLERED

Project Title  
**REMDEL B9 POLICE SERVICE ROOMS**

Location  
**1898 FORT ROAD, SHERIDAN, WY**

Issue Date  
**02/16/2019**

Checked  
**AJM**

Drawn  
**LAM**

Project Number  
**686-18-01S**

Drawing Number  
**9**

Drawing Number  
**MI100**



PLUMBING FIXTURE SCHEDULE					
DESIGNATOR	FUTURE	DW	HW	SN	VENT
F-1	WATER CLOSET LAVATORY COMBINION	1"	-	4"	2"
F-2	*HOLDING CELL FLOOR DRAIN	-	-	4"	2"

**NOTES:**

- PIPE SIZES ARE INDICATED UNLESS OTHERWISE NOTED ON FLOOR PLANS AND RISER DIAGRAMS.
- MINIMUM 2" SANITARY PIPING UNDERGROUND. PROVIDE AS REQUIRED PIPING TO FIXTURES INDICATED ON THE FLOOR PLANS, INDICATED WITH A "\*" DESIGNATOR. PROVIDE PIPING OF SIZE INDICATED IN THIS SCHEDULE.
- PIPE ALL EQUIPMENT (SUPPLIED BY OTHERS) AS REQUIRED TO OBTAIN A FULL AND OPERATIONAL SYSTEM. PROVIDE BACKFLOW PROTECTION AS REQUIRED BY THE DETAILS AND BY THE WYOMING PLUMBING CODE. ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDICATED TO EITHER AN OPEN RECEPTACLE OR FLOOR DRAIN REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.

**PLUMBING DEMOLITION NOTES:**

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLING TEMPORARY SUPPORT LIGHTS, DRYSIDES, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FRESHLY FINISH EXACT REQUIREMENTS.
- ALL OUTRIGERS SHALL BE SCHEDULED THROUGH THE PRODUCT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTRIGER SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
- DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTOR SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTRIGERS.
- ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
- ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
- HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL ON ON AND LIGHT DASHED LINES INDICATE ITEMS TO REMAIN. (C) ON AND LIGHT DASHED LINES INDICATE ITEMS TO REMAIN. (C) ON AND LIGHT DASHED LINES INDICATE ITEMS TO REMAIN. (C) ON AND LIGHT DASHED LINES INDICATE ITEMS TO REMAIN.
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

**PLUMBING GENERAL NOTES:**

- COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC. WITH ALL CASEWORK EQUIPMENT.
- MECHANICAL ROOM EQUIPMENT ETC. PRIOR TO COMMENCING INSTALLATION WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF HIS WORK SO AS TO INSURE THAT HE DOES NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES PAY PARTICULAR ATTENTION TO THE PRECAUTIONS RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, TYPE, TYPE OF DATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED TO MEET THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- WHERE WORK IS REQUIRED ABOVE EXISTING LAY IN PLASTER OR CONCRETE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION OR REPLACEMENT OF DAMAGED OR OLD CEILING OR OLD GIRD MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH EXISTING SURFACES.
- PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- ALL NEW WORK SHALL BEING FROM STRUCTURE NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW. COORDINATE ALL WORK WITH PROJECT FINISHING REQUIREMENTS.
- PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNERS' STANDARDS EXISTING WALLS, CEILING, ETC.) THAT ARE TO REMAIN. DAMAGED DURING CONSTRUCTION, REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- RESERVE ALL APPLICABLE FEDERAL, STATE AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE TIME AND PLAN AN ALTERATION TO THE PROJECT. IF THE TIME AND PLAN AN ALTERATION TO THE PROJECT. IF THE TIME AND PLAN AN ALTERATION TO THE PROJECT.
- IF ANY CONTRACTOR HAS A FOOT OR PENetration SLAB CONTRACTOR SHALL USE ULTRA SOUND OR OTHER APPROVED METHODS TO SURVEY FOR PENETRATIONS.
- BEFORE MAKING ANY AND ALL FLOOR PENETRATIONS, WHERE FIRE PROTECTIVE PARTITIONED CEILING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRAONIC, STEAM, CHILLED WATER, FIRE PROTECTION, LINED GAS, ETC. SHALL BE LOWING TO BE BELOW FULL THICKNESS OF FIRE PROTECTIVE PARTITION.
- ALL PENETRATIONS OF FIRE AND SMOKE BATES ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED LISTED PRODUCT. DAMAGED BATES SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- ALL WORK REQUIRING PERMITS IN ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE AND SHALL COME WITH ALL NECESSARY SAFETY MEASURES.
- ALL PIPING IN ROOMS WITH CEILING SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS.
- LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ALL UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.)
- WHERE HEADINGS/HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS BEFORE INSTALLATION.
- DOUBLES WITH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS.
- TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISE OR STRUCTURALLY DAMAGING VIBRATIONS SHALL BE ISOLATED FROM ALL OTHER MECHANICAL SYSTEMS. THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- SEPARATIONS IN CASE GARAGES, ETC. FINISH ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A SEPARATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- VALVES, BALANCING DAMPERS OR ANY MECHANICAL ELECTRICAL TEST REQUIREMENTS ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROVED ACCESS SHALL BE PROVIDED. ACCESS SHALL BE PLACED UNDER THE TRIM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILING. IN GENERAL ALL SUCH ITEMS SHALL BE LOCATED AT LEAST SIX (6) INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GROUND UNLESS SPECIFICALLY NOTED OTHERWISE.
- WHEN PLUMBING ANY TYPE OF PIPING BELOW A FOOTER OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
- WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

**SYMBOLS & ABBREVIATIONS**

A, AR	MEDICAL AIR		POINT OF CONNECTION
AFR	ABOVE FINISHED FLOOR		LIMIT OF DEMOLITION
AF	ABOVE FINISHED FLOOR		PIPE ELBOW TURNING UP/TURNING DOWN
C-1	CAST IRON		MEDICAL AIR
CO2	CARBON DIOXIDE		COMPRESSED AIR
DW	DOMESTIC COLD WATER		FORCED MAIN
DN	DOWN		FIRE PROTECTION LINE
EV	EVACUATION (WASTE ANESTHETIC GAS DISPOSAL)		GAS LINE
FHV	FIRE HOSE VALVE WITH CABINET		SANITARY WASTE PIPING TO GREASE TRAP
FPHW	FREEZE PROOF WALL HYDRANT		OXYGEN PIPING
HB	HOSE BIBB		OVERFLOW ROOF LEADER PIPING
HW	DOMESTIC HOT WATER		ROOF LEADER PIPING
IAW	IN ACCORDANCE WITH		SANITARY WASTE PIPING
ID	INVERT DIMENSION		STORM SEWER PIPING
IE	INSECT ELEVATION		VACUUM PIPING
LPA	LINE PRESSURE ALARM (MEDICAL GAS AREA ALARM)		VENT PIPING
MH	MANHOLE		EXISTING PIPING (THIN LINE)
MSA	MULTI-SINGLE ALARM (MEDICAL GAS MASTER ALARM)		ABANDONED EXISTING PIPING (THIN LINE)
NTS	NOT TO SCALE		DOMESTIC RECIRCULATING HOT WATER
NO	NOT IN CONTRACT		DOMESTIC HOT WATER SUPPLY
NO	NORMALLY OPEN		CELEANOUT IN CEILING SPACE
NC	NORMALLY CLOSED		FLOOR CLEANOUT
O, OK	OXYGEN		EXTERIOR CLEANOUT
OFD	OWNER FURNISHED, CONTRACTOR INSTALLED		BALANCING VALVE
OFI	OWNER FURNISHED, OWNER INSTALLED		BALL VALVE
CFI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED		SAFETY RELIEF VALVE
OR	OPEN RECEPTACLE		SAFETY RELIEF VALVE
ORL	OVERFLOW ROOF LEADER		OSLEY (GATE) VALVE
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, OR GAS)		PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
PSI	POUNDS PER SQUARE INCH		STRAINER
RHW	DOMESTIC RECIRCULATING HOT WATER		CHECK VALVE
RL	ROOF LEADER		DOUBLE CHECK VALVE ASSEMBLY
SCW	SOFT DOMESTIC COLD WATER		PIPING UNION
SR	SANITARY RISER		FLOW SWITCH
TE	THRUST BLOCK		PRESSURE SWITCH
TB	TOP ELEVATION		TAMPER SWITCH
TP	TRAP PRIMER		THERMOMETER
TYP	TYPICAL		VACUUM BREAKER
UN	UNLESS OTHERWISE NOTED		LIMITED AREA SPRINKLER HEAD
V, VAC	VACUUM		PETE'S FLUG
VTR	VENT THRU ROOF		FLOOR DRAIN DESIGNATOR
			ROOF DRAIN DESIGNATOR
			EQUIPMENT TAG DESIGNATOR
			REVISION DESIGNATOR
			TEMPERATURE SENSOR
			HOSE BIBB

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Drawing Title  
**PLUMBING LEGEND**

Approved:  
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Phase  
**100% CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

Project Title  
**REMODEL B9 POLICE SERVICE ROOMS**

Location  
**1898 FORT ROAD, SHERIDAN, WY**

Issue Date  
**09/18/2019**

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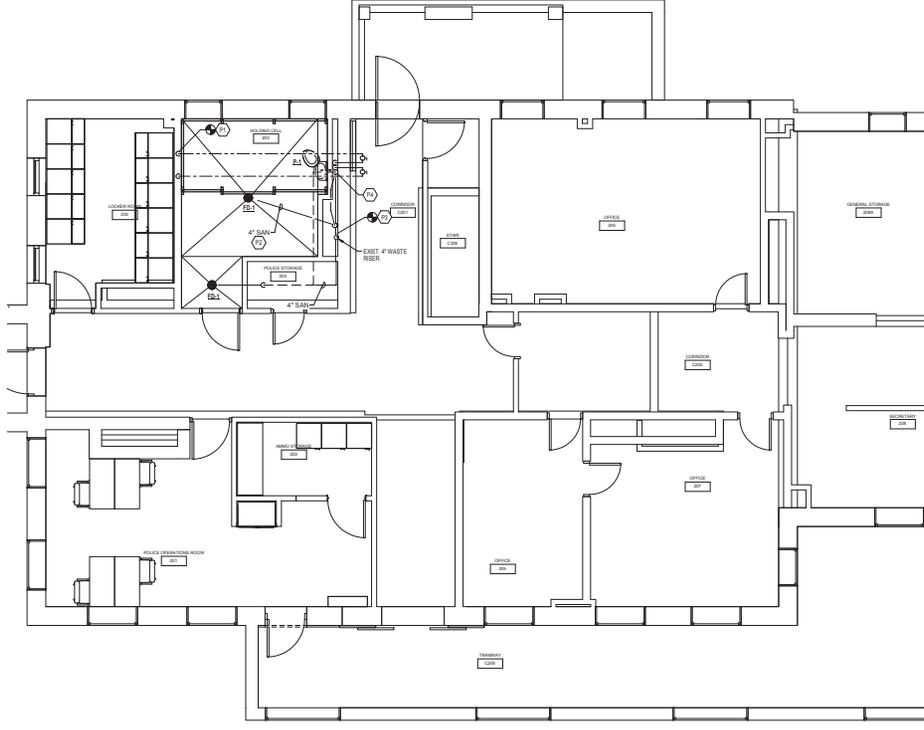
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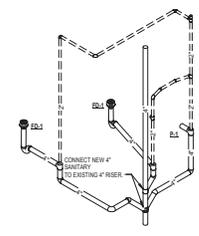
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Drawing Number  
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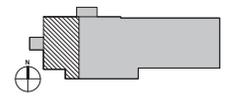


1 SECOND FLOOR PLAN - PLUMBING  
1/4" = 1'-0"



2 WASTE AND VENT RISER

TAGGED NOTES	
N1	CONNECT NEW 1/2" CW AND 1/2" HW TO EXISTING UTILITIES IN WALL AND ROUTE TO NEW FUTURE SHUT-OFF VALVES TO BE LOCATED.
N2	SANITARY PIPING LOCATED IN FIRST FLOOR CEILING.
N3	CONNECT NEW SANITARY PIPING TO EXISTING RISER.
N4	CONNECT NEW 1-1/2" VENT TO EXISTING VENT IN WALL.

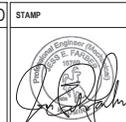


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**Office Construction and Facilities Management**  
 U.S. Department of Veterans Affairs

Drawing Title  
**SECOND FLOOR PLAN - PLUMBING**  
 Approved:  
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Phase  
**100% CONSTRUCTION DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
**REMODEL B9 POLICE SERVICE ROOMS**  
 Location  
**1898 FORT ROAD, SHERIDAN, WY**  
 Issue Date  
**02/16/2019**

Project Number  
**686-18-01S**  
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**9**  
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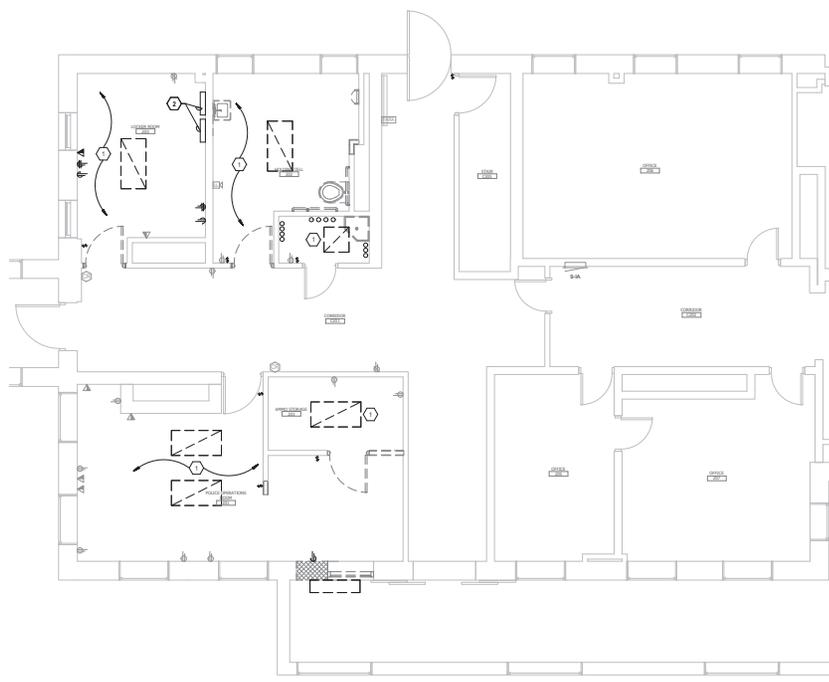


**ELECTRICAL DEMOLITION**

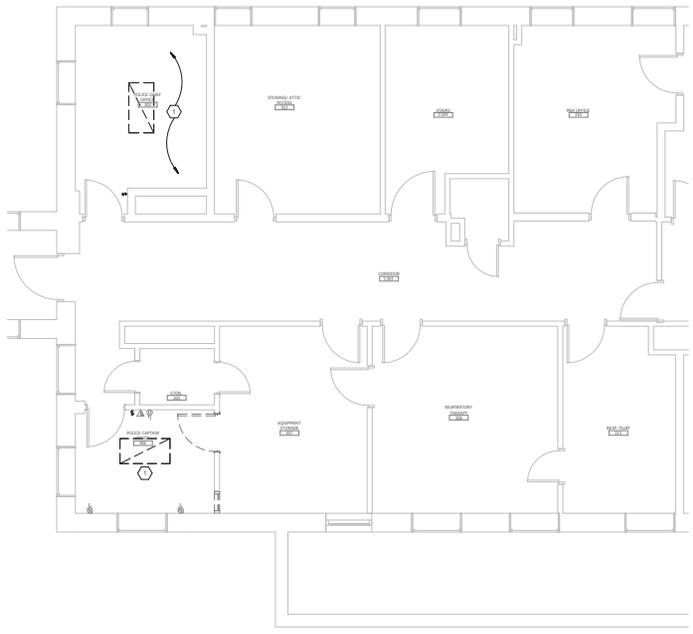
- A. DOTTED LINES INDICATE ITEMS TO BE REMOVED (UOI) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE OR CIRCUIT IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUIT SHALL REMAIN IN THE ORIGINAL WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN BE SWITCHED TO OFF POSITION AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTIONS FOR ALL PANELS AFFECTED.
- C. LOCATIONS OF DEVICES, CONNECTIONS, ETC. INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND BE FAMILIAR TO THE SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FITTINGS / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT LOCAL. CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E. COORDINATE DISPOSAL OF ALL FUTURE DEVICES, ETC. INDICATED FOR DEMOLITION WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS.
- J. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROCK WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L. DEVICES IDENTIFIED WITH AN "R" SHALL BE RELOCATED, REMOVE, PROTECT AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RELAMP AND RELOCATED LUMINAIRE.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE WRITTEN PANEL DIRECTIONS AND INSERT BREEVING PANELS. DIRECTIONS SHALL NOT USE ROOM NUMBERS OR NUMBERS FROM THESE DRAWINGS. DIRECTIONS SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, PANEL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

**TAGGED NOTES**

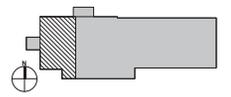
1. REMOVE AND REINSTALL DEVICES IN THIS AREA AS REQUIRED TO ALLOW FOR CEILING REPLACEMENT. EXTEND EXISTING CABLING TO NEW DEVICE LOCATION AS REQUIRED.
2. EXISTING ACCESS CONTROL HEAD END EQUIPMENT TO BE RELOCATED. INTERCEPT AND EXTEND CABLING TO NEW LOCATION.



① SECOND FLOOR PLAN - ELECTRICAL DEMOLITION  
1/4" = 1'-0"



② THIRD FLOOR PLAN - ELECTRICAL DEMOLITION  
1/4" = 1'-0"



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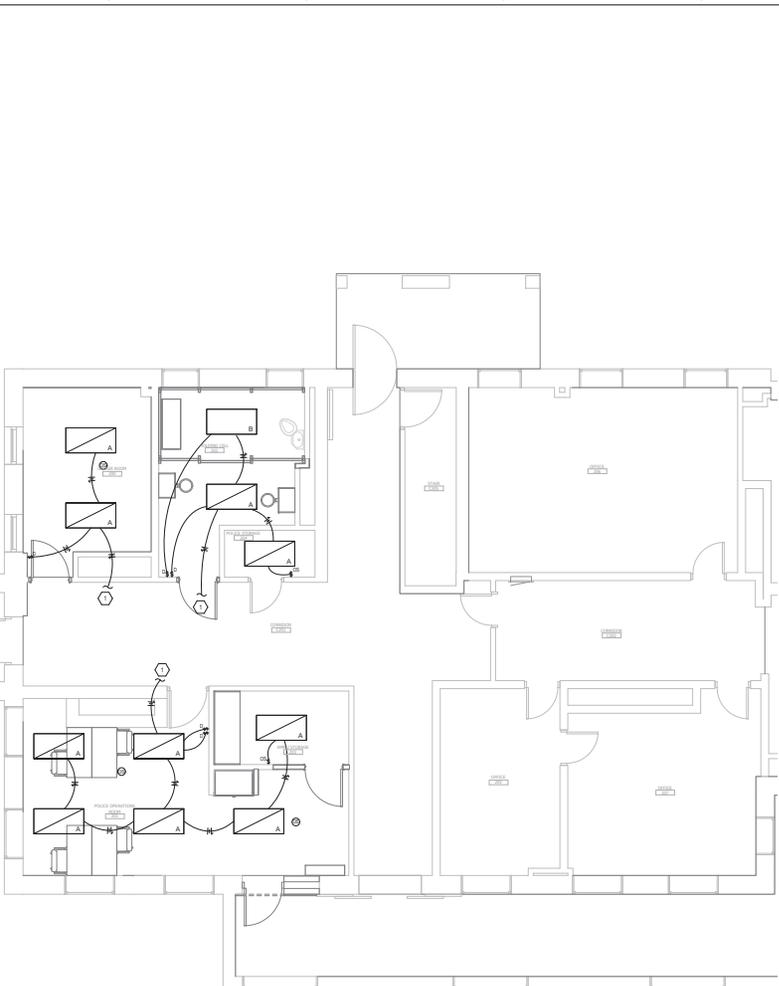


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of Veterans Affairs

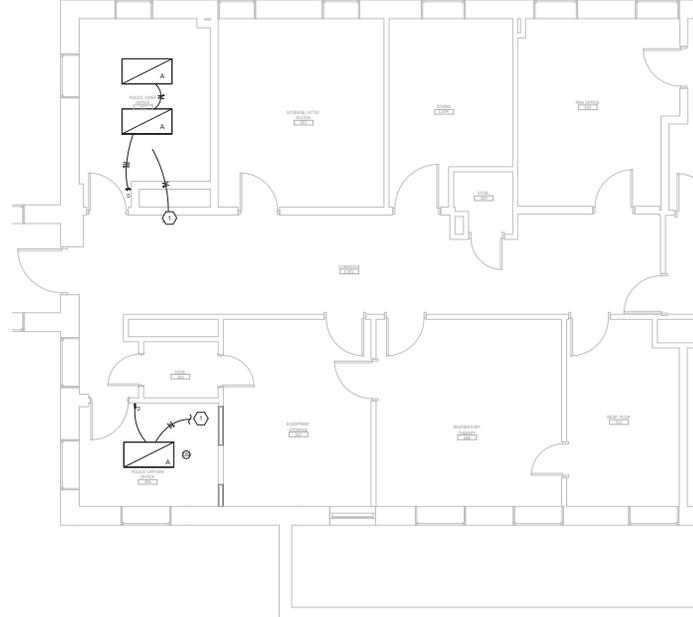
Drawing Title <b>SECOND &amp; THIRD FLOOR - ELECTRICAL DEMOLITION PLANS</b>
Approved: <b>STEPHEN PETZOLD, COR</b>

Phase <b>100% CONSTRUCTION DOCUMENTS</b>
<b>FULLY SPRINKLERED</b>

Project Title <b>REMODEL B9 POLICE SERVICE ROOMS</b>	Project Number <b>686-18-01S</b>
Location <b>1898 FORT ROAD, SHERIDAN, WY</b>	Building Number <b>9</b>
Issue Date <b>02/18/19</b>	Checked <b>MLR</b>
	Drawn <b>JPR</b>
	<b>ED100</b>



1 SECOND FLOOR PLAN - LIGHTING  
1/4" = 1'-0"

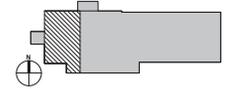


2 THIRD FLOOR PLAN - LIGHTING  
1/4" = 1'-0"

- GENERAL NOTES (LIGHTING):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
  - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL SEPARATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3) AND IF SIZE CONDUIT AS REQUIRED PER N.E.C. #310.17 AND #310.14.
  - MULTIPLE BRANCH CIRCUITS AS SET FORTH IN N.E.C. #310.15(B)(4) (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
  - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING IN HEALTHCARE FACILITIES. ENGRAVE EMERGENCY DEVICE COVERS IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
  - LOCATE CHAN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO MEET THIS REQUIREMENT.
  - LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA. TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
  - WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNBROTCHELINE.
  - LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
  - ALL LIGHTING FIXTURE LENSES, PARABOLIC LOWNERS, DOWNLIGHTING ALZAK DOWN AND PARABOLIC LOWNERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR OILY DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOWNERS. AT CLOSE OF PROJECT AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS, ANY LOWNER OR CONE SHOWING OIL OR FINGER PRINTS SHALL BE CLEANED WITH FIXTURES RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER. NEW FIXTURES AT OCCUPANCY.
  - REQUIRED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED REMOVING TRIMS, LENSES, LOWNERS, OR SCORP FRAME DOES NOT SHAKEN HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED SURFACE AT COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE UNBROTCHELINE CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

**TAGGED NOTES**

1 PROVIDE CONNECTION TO CIRCUIT PREVIOUSLY SERVING LIGHTING IN THIS ROOM.



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Revisions:	Date:

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**Office Construction and Facilities Management**

U.S. Department of Veterans Affairs

**Drawing Title**  
SECOND & THIRD FLOOR - LIGHTING PLANS

**Approved:**  
STEPHEN PETZOLD, COR

**Phase**  
100% CONSTRUCTION DOCUMENTS

**FULLY SPRINKLERED**

**Project Title**  
REMODEL B9 POLICE SERVICE ROOMS

**Location**  
1898 FORT ROAD, SHERIDAN, WY

**Issue Date**  
02/18/19

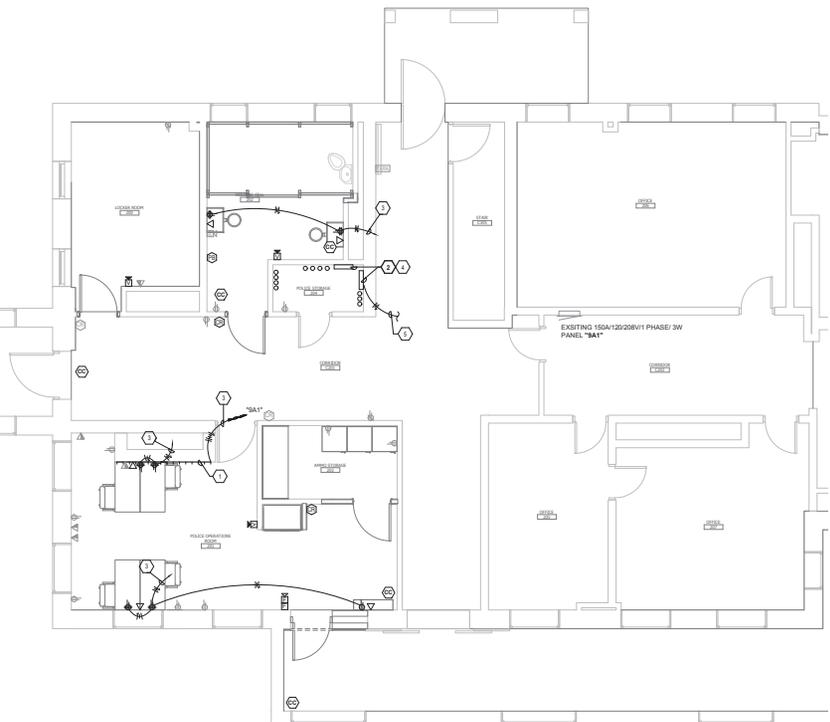
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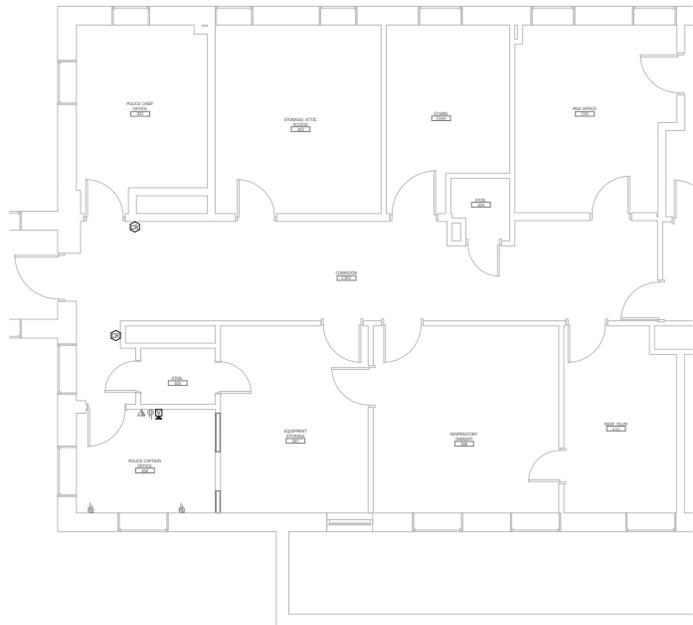
**Project Number**  
686-18-01S

**Bidding Number**  
9

**Drawing Number**  
ES101



1 SECOND FLOOR PLAN - POWER/SYSTEMS  
1/4" = 1'-0"



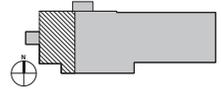
2 THIRD FLOOR PLAN - POWER/SYSTEMS  
1/4" = 1'-0"

**GENERAL NOTES (POWER/SYSTEMS):**

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASING DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT AS INDICATED ON THE CORRIDOR MARK WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DESIGNATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND USE THE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN NEC 100.2(14) CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBERS FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONTROL ROOM. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTH-CARE FACILITIES, PROXIMATE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSORS OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3E.
- LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE FULL STRIPES IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

**TAGGED NOTES**

1	NEW DUAL CHANNEL 2-CIRCUIT PLUG MOLD
2	EXISTING ACCESS CONTROL HEAD END EQUIPMENT TO BE RELOCATED, INTERFERED AND EXTEND CABLING TO NEW LOCATION.
3	PROVIDE NUMBER OF #12 CONDUCTORS INDICATED AND #12 GROUND IN 3/4" CONDUIT TO NEW 20A/1P BREAKERS(S) IN EXISTING PANEL, INDICATED, CUT, PATCH, AND REPAIR WALL FOR RECESSED INSTALLATION.
4	EVALUATE HEAD END EQUIPMENT TO ENSURE PROPER NUMBER OF EXPANSION SLOTS ARE AVAILABLE, PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED TO ACCOMMODATE NEW DEVICES.
5	PROVIDE NUMBER OF #12 CONDUCTORS INDICATED AND #12 GROUND IN 3/4" CONDUIT TO NEW 20A/1P BREAKERS(S) IN EXISTING PANEL, 3/4" CONDUIT, CUT, PATCH, AND REPAIR WALL FOR RECESSED INSTALLATION.



Revisions:	Date:

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Office  
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Facilities  
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**VA** U.S. Department  
of Veterans Affairs

Drawing Title  
**SECOND & THIRD FLOOR -  
POWER/SYSTEMS PLANS**

Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION  
DOCUMENTS**

Checked  
**MLR**

Drawn  
**JPR**

Project Title  
**REMDEL B9 POLICE SERVICE  
ROOMS**

Location  
**1898 FORT ROAD, SHERIDAN, WY**

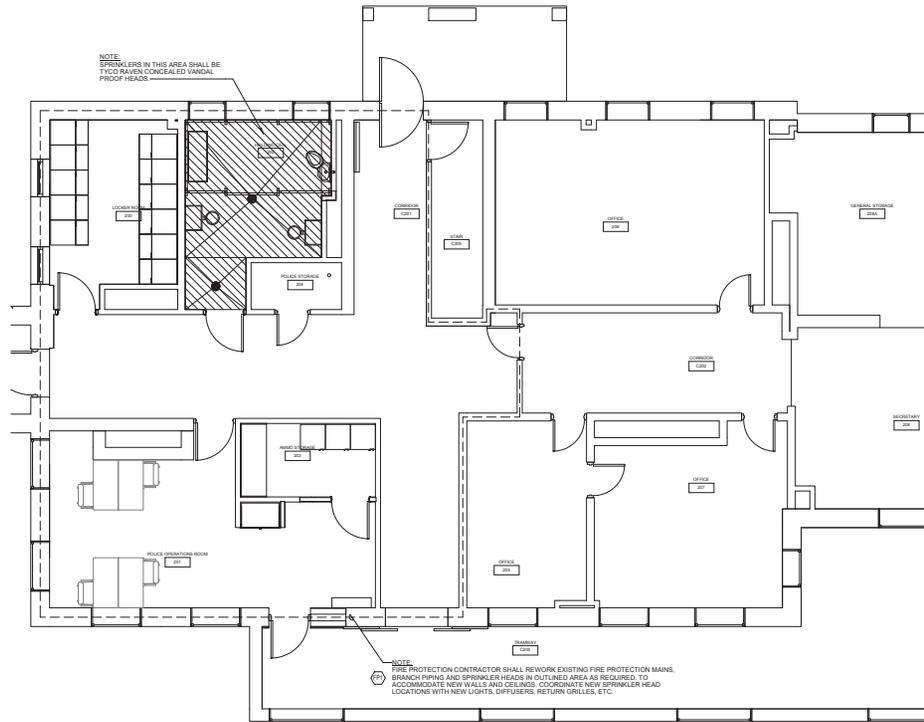
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**02/18/19**

Project Number  
**186-18-01S**

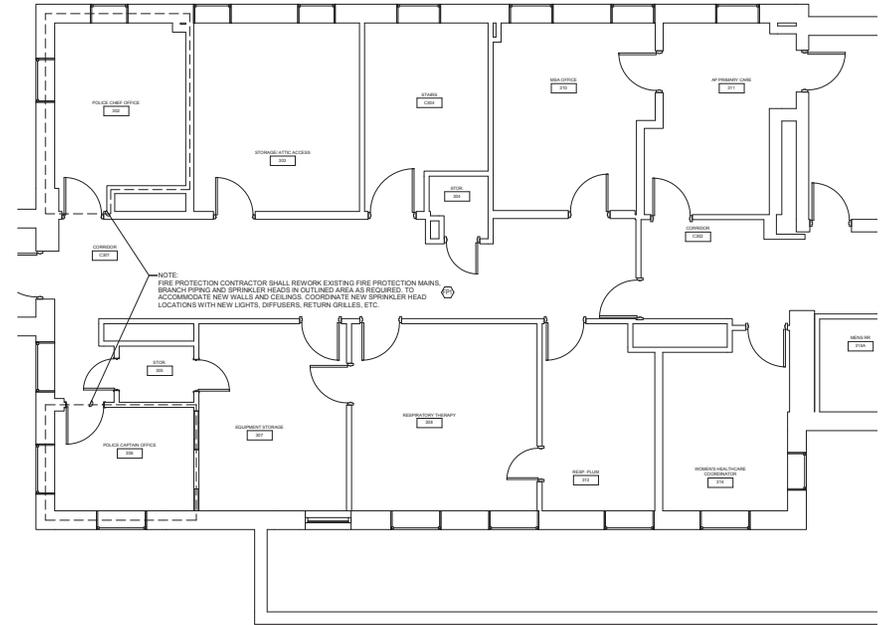
Building Number  
**9**

Drawing Number  
**ES201**



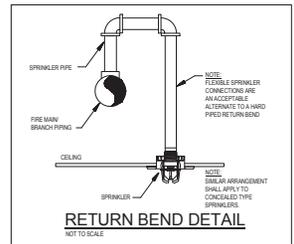
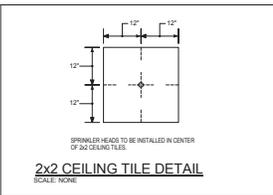


① SECOND FLOOR PLAN - FIRE PROTECTION  
1/4" = 1'-0"



② THIRD FLOOR PLAN - FIRE PROTECTION  
1/4" = 1'-0"

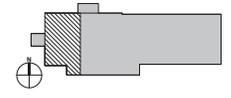
- FIRE PROTECTION DESIGN NOTES:**
- ALL OUTLINED AREAS SHALL BE 100% COVERED WITH A FIRE PROTECTION SYSTEM DESIGNED IN ACCORDANCE WITH NFPA 13. THE OUTLINED AREA SHALL BE PROTECTED WITH A WET TYPE SYSTEM UNLESS NOTED OTHERWISE. ALL EXISTING FIRE PROTECTION MAINS, BRANCH PIPING AND SPRINKLER HEADS SHALL BE COMPLETELY REMOVED IN THE OUTLINED AREAS TO ALLOW FOR INSTALLATION OF NEW DUCTWORK.
  - THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LAYOUT OF THE SPRINKLER HEADS. THE REFLECTED CEILING PLANS SHOWN ARE TO COORDINATE CEILING TYPES AND LOCATIONS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICE LOCATIONS. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
  - ALL OUTLINED AREAS SHALL HAVE "SEMI-RECESSED" TYPE SPRINKLER HEADS UNLESS NOTED OTHERWISE. HEADS SHALL BE FED FROM A RETURN BEND ARRANGEMENT.
  - PROVIDE FULLY RECESSED SPRINKLER HEADS IN RADIOLOGY ROOMS AND HARD CEILING AREAS PROVIDE WHITE COVERPLATES.
  - UTILIZE UPRIGHT AND/OR WALL MOUNTED TYPE SPRINKLER HEADS IN AREAS WITHOUT CEILING.
  - ALL SPRINKLER HEADS TO BE CENTERED IN BOTH DIRECTIONS OF A 2'-2" CEILING TILE. REFER TO CEILING GRID DETAIL.
  - WAC DUCTWORK MAINS SHALL BE INSTALLED PRIOR TO FIRE PROTECTION PIPING. PROVIDE DRAWING VALUES IN THE FIRE PROTECTION SYSTEM WHERE NECESSARY TO COMPLETELY DRAW THE SYSTEM.
  - REFER TO THE SPECIFICATIONS FOR THE DIFFERENT SPRINKLER HEAD TYPES.
  - PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES, DISCHARGE DRAIN PIPING TO OUTDOORS OR A FLOOR DRAIN.
  - SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS.
  - SUBMIT HYDRAULIC CALCULATIONS AND SYSTEMS DESIGN FOR REVIEW TO THE ME ENGINEER.
  - THE SUCCESSFUL CONTRACTOR SHALL PERFORM A NEW FLOW TEST BEFORE STARTING ANY DESIGN WORK OR CALCULATIONS.
  - ALL REQUIRED SYSTEM SHUT DOWN SHALL BE COORDINATED WITH THE HOSPITAL, ENGINEERING DEPT AND LOCAL FIRE DEPARTMENT A MINIMUM OF 48 HOURS IN ADVANCE.
  - CONTRACTOR SHALL TEMPORARILY VERIFY THE EXISTING SPRINKLER SYSTEM TO DRAIN THE EXISTING PENDANT SPRINKLERS INTO AN UPRIGHT POSITION FOR SPRINKLER PROTECTION IN THE REWORKED AREAS. CONSTRUCTION TURNED OFF SPRINKLERS SHALL THEN BE MODIFIED/TURNED DOWN TO MATCH THE NEW ARCHITECTURAL AND REFLECTED CEILING PLAN LAYOUTS AS THE PROJECT COMPLETES. EXISTING SPRINKLERS SHALL BE REPLACED WITH NEW SPRINKLER PRIOR TO FINAL INSTALLATION.



**FIRE PROTECTION GENERAL NOTES:**

- ALL AREAS SHALL BE PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM INSTALLED IN STRICT ACCORDANCE WITH NFPA 13, THE WYOMING BUILDING CODES AND THE PROJECT SPECIFICATIONS.
- ALL AREAS ARE PRESENTLY PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL MODIFY THE SYSTEM AS REQUIRED TO MAINTAIN 100% PROTECTION IN ACCORDANCE WITH NFPA 13, WYOMING BUILDING CODE AND SPECIFICATIONS.
- REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS) FOR COORDINATION OF TRADES, ROOMS, STRUCTURE AND EQUIPMENT.
- WHERE CEILING ARE RECESSED ALL SPRINKLER PIPING MUST BE INSTALLED ABOVE CEILING. SPRINKLER PIPING MUST BE COORDINATED WITH OTHER TRADES. PIPING MUST BE OFFSET TO AVOID CONFLICTS WITH DUCTWORK, CONDUIT, ALL EQUIPMENT, ETC.
- INSTALL HEADS IN CENTER OF 2'x2' TILES. INSTALL HEADS ON 1/4" POINT OF THE 4" DIMENSION AND CENTER OF THE 7" DIMENSION IN 2'x2" TILES. DO NOT MOUNT HEADS IN CENTER OF 2'x2" TILE IF IT IS SCORED TO LOOK LIKE TWO 2'x2" TILES.
- ALL FIRE PROTECTION PIPE SIZES SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13.
- ALL SPRINKLER HEADS SHALL BE QUICK RESPONDER SPRINKLER HEADS.
- THE FIRE PROTECTION CONTRACTOR SHALL PERFORM HIS OWN FLOW TEST PRIOR TO SUBMITTING SHOP DRAWINGS.

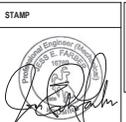
**TAGGED NOTES**  
FP1 REMOVE HEADS AND BRANCHES AS NECESSARY FOR NEW CEILING INSTALLATION. MAINTAIN COVERAGE ABOVE CEILING AS WELL.



Revisions:	Date:

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Office  
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 of Veterans Affairs

Drawing Title  
**SECOND & THIRD FLOOR PLANS -  
 FIRE PROTECTION**  
 Approved:  
**STEPHEN PETZOLD, COR**

Phase  
**100% CONSTRUCTION  
 DOCUMENTS**  
**FULLY SPRINKLERED**

Project Title  
**REMODEL B9 POLICE SERVICE  
 ROOMS**  
 Location  
**1898 FORT ROAD, SHERIDAN, WY**  
 Issue Date  
**02/18/2019**  
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**AJM**  
 Drawn  
**LAM**

Project Number  
**686-18-01S**  
 Building Number  
**9**  
 Drawing Number  
**FX101**