one-eighth inch = one foot

0
4
8
16

## DEPARTMENT OF VETERANS AFFAIRS

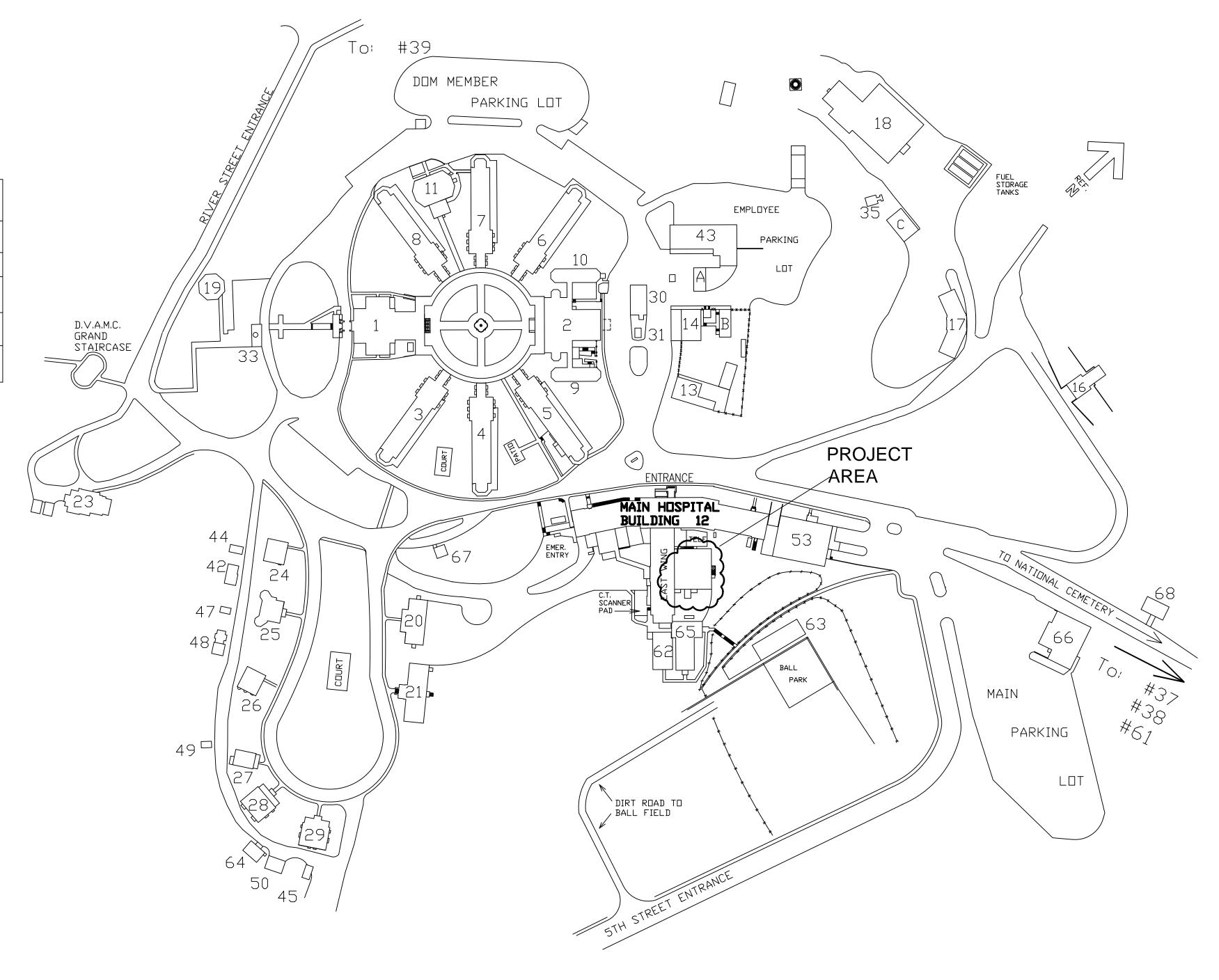
## HOT SPRINGS, SD. MEDICAL CENTER

## MEDICAL GAS SYSTEM IMPROVEMENTS

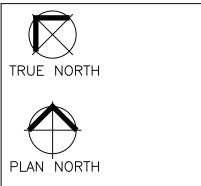
| DRAWING INDEX  |   |              |  |  |  |  |  |  |
|----------------|---|--------------|--|--|--|--|--|--|
| DRAWING NUMBER | TITLE                                     | SHEET NUMBER |  |  |  |  |  |  |
| C1             | COVER SHEET                               | 1 of 4       |  |  |  |  |  |  |
| P-1            | DEMOLITION SHEET                          | 2 of 4       |  |  |  |  |  |  |
| P-2            | NEW MEDICAL GAS<br>EQUIPMENT INSTALLATION | 3 of 4       |  |  |  |  |  |  |
| P-3            | ONE-LINE DIAGRAMS AND EQUIPMENT SCHEDULES | 4 of 4       |  |  |  |  |  |  |

APPROVED BY:

ENGINEERING PROGRAM MANAGER DATE



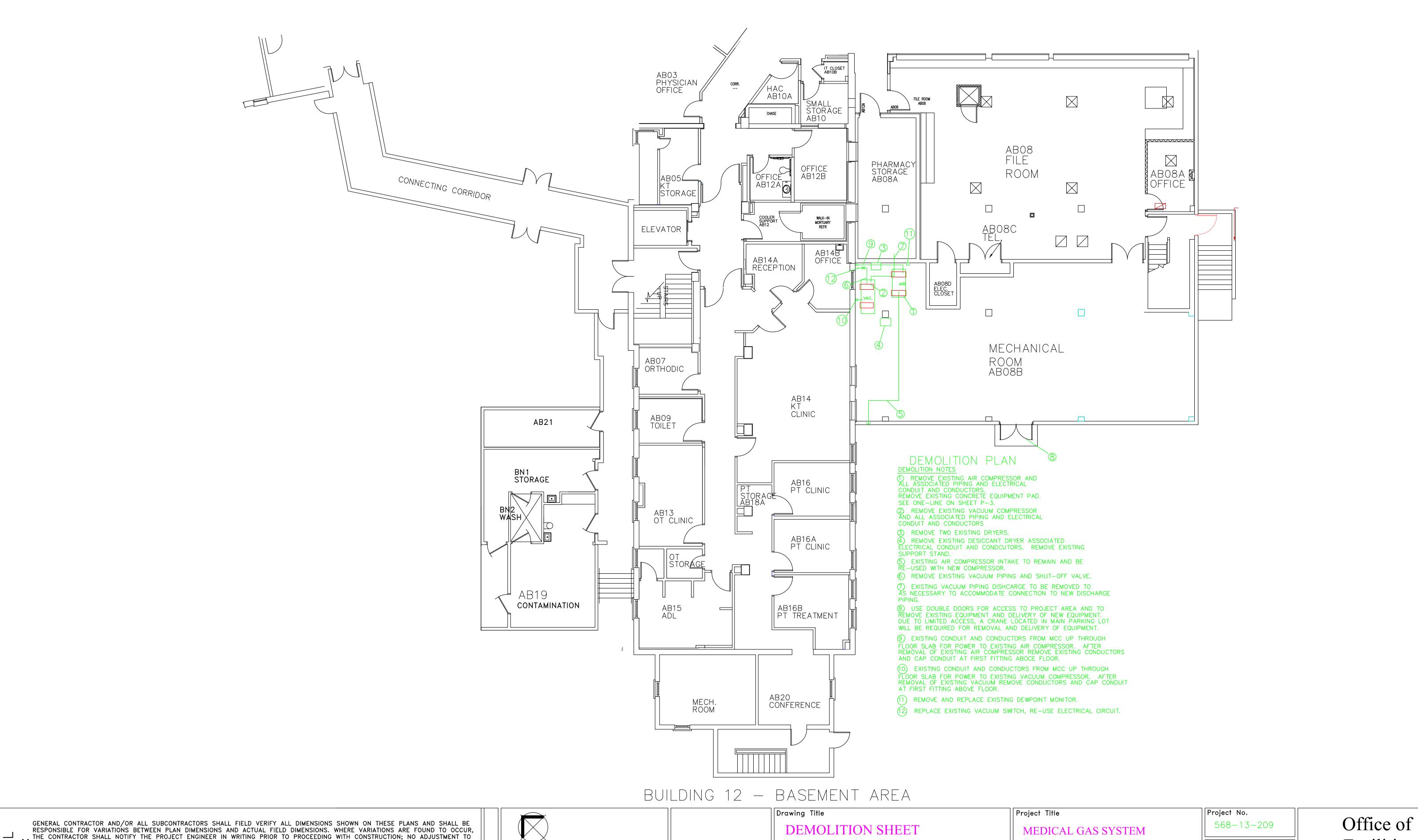
| GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.  GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS. |
|--|
| SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE  GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE  GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED   |



|  | Drawing Title              | Project Title                      |                 |  |  |  |
|--|----------------------------|------------------------------------|-----------------|--|--|--|
|  | COVER                      | MEDICAL GAS SYSTEM                 | 568-13-209      |  |  |  |
| SHEET                                  |                            | IMPROVEMENTS                       | Building Number |  |  |  |
| Drawing Scale Approved: Division Chief |                            | Location V.A. MEDICAL CENTER       | DRAWING NO.     |  |  |  |
|  |                            | HOT SPRINGS, SD                    | C-1             |  |  |  |
| Plot Scale                             | Approved: Service Director | Date 7/20/2013 Checked DS Drawn DS | Dwg 1 Of 4      |  |  |  |

Office of Facilities Management

Department of Veterans Affairs



BY THE VARIOUS SUBCONTRACTORS.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS &

ELI GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, FARTITIONS, DOORS & LIP CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE; FIRESTOPPING OF THESE OPENING SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED TRUE NORTH PLAN NORTH

Approved: Division Chief Drawing Scale 1/8"=1

**IMPROVEMENTS** Location V.A. MEDICAL CENTER

Building Number

Facilities Management DRAWING NO.

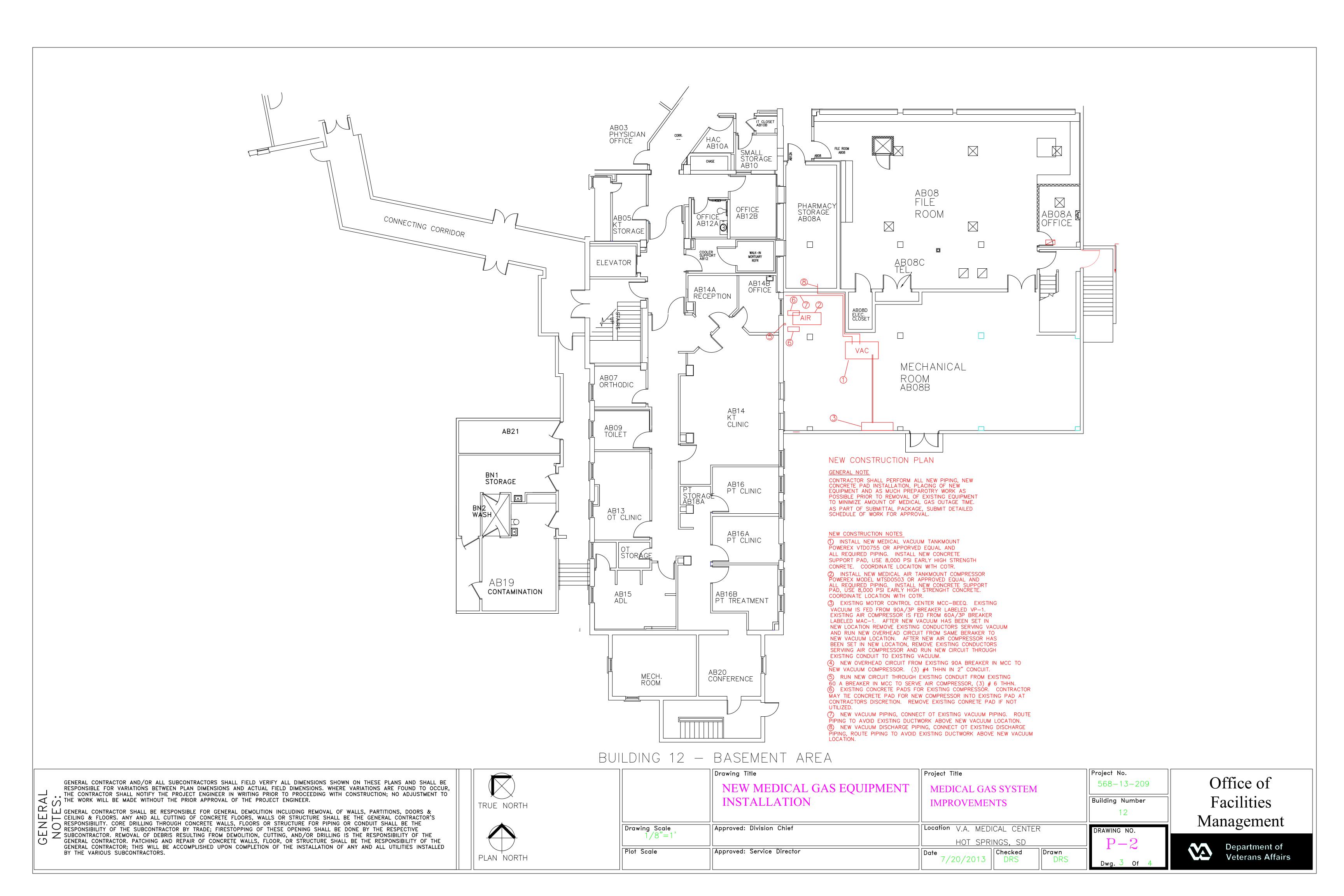
Department of Veterans Affairs

Plot Scale Approved: Service Director

HOT SPRINGS, SD 7/20/2013

Drawn Checked DRS

Dwg.  $\frac{2}{}$  Of

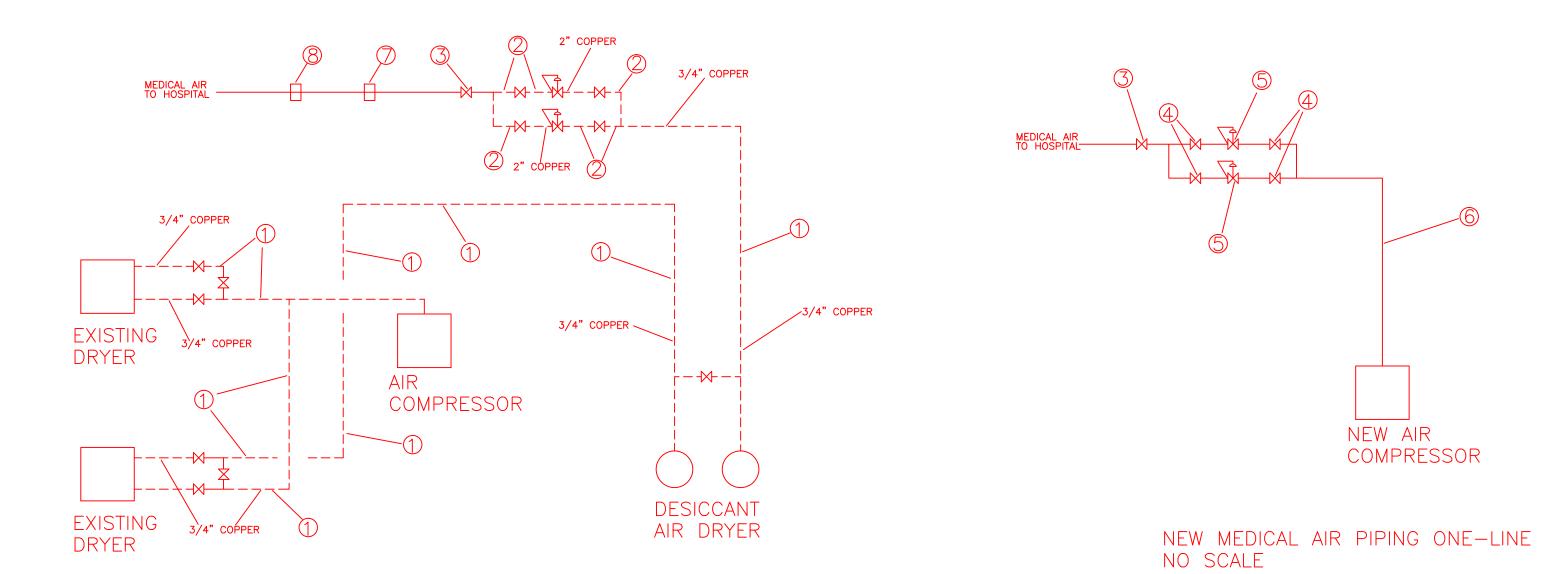


| EQUIPMENT SCHEDULE MEDICAL AIR COMPRESSOR |       |                   |                   |              |        |                |                       |                   |                                   |
|---|-------|-------------------|-------------------|--------------|--------|----------------|-----------------------|-------------------|-----------------------------------|
| MODEL                                     | HP    | ICFM @ 50<br>PSIG | SCFM @ 50<br>PSIG | TANK<br>SIZE | BTU/HR | dB(A)<br>LEVEL | SYSTEM F.L.A.<br>208V | SYSTEM WT. (LBS.) | ELECTRICAL<br>SOURCE              |
| POWEREX<br>MTSD50503<br>OR EQUAL          | 5 (2) | 18.4              | 16.6              | 80           | 12,725 | 72             | 30.4                  | 1,100             | EXISTING 60A/3P<br>BREAKER IN MCC |

| EQUIPMENT SCHEDULE VACUUM      |     |    |                         |              |        |                |                       |                   |                                   |
|--------------------------------|-----|----|-------------------------|--------------|--------|----------------|-----------------------|-------------------|-----------------------------------|
| MODEL                          | HP  |    | NFPA SYSTEM<br>CAPACITY | TANK<br>SIZE | BTU/HR | dB(A)<br>LEVEL | SYSTEM F.L.A.<br>208V | SYSTEM WT. (LBS.) | ELECTRICAL<br>SOURCE              |
| POWEREX<br>VTD0755<br>OR EQUAL | 7.5 | 52 | 52                      | 200          | 19,088 | 79             | 44                    | 2,200             | EXISTING 90A/3P<br>BREAKER IN MCC |

- 1) REMOVE EXISTING 3/4" COPPER PIPING
- AND ASSOCIATED VALVES.
- 2) REMOVE EXISTING 2" COPPER PIPING
- AND ASSOCIATED VALVES AND REGULATORS.
- (3) EXISTING VALVE AND PIPING BEYOND THIS LOCATION TO REMAIN.
- 4) NEW VALVE, SIZED PER MANUFACTURE'S RECOMMENDATION.
- 5) NEW PRESSURE REGULATOR, SIZED PER MANUFACTURER'S RECOMMENDATION.
- 6 THIS ONE-LINE DIAGRAM IS FOR SCHEMATIC
- PURPOSES AND MAY NOT INCLUDE ALL COMPONENTS REQUIRED TO COMPLY WITH LATEST EDITION OF NFPA 99. PROVIDE ALL PIPING COMPONENTS NECESSARY TO COMPLY WITH NFPA 99, INCLUDING BUT NOT LIMITED TO PIPING, VALVING AND ALARMS.

- 7) REPLACE EXISTING PRESSURE SWITCH.
- (8) REPLACE EXISTING SENSOR TO DEWPOINT MONITOR.



EXISTING MEDICAL AIR PIPING ONE-LINE NO SCALE

| GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS THE PLAN DIMENSIONS AND ADMINISTRATION AND A |                    | Drawing Title ONE-LINE DIAGRAMS | Project Title  MEDICAL GAS SYSTEM            | Project No. 568-13-209 | Office of                      |
|--|--------------------|---------------------------------|--|------------------------|--------------------------------|
| THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.  LI GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & LICENSE CONTRACTOR'S LICENSE CONTRACTOR'S   |                    | AND EQUIPMENT SCHEDULES         | IMPROVEMENTS                                 | Building Number        | Facilities  Management         |
| RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE; FIRESTOPPING OF THESE OPENING SHALL BE DONE BY THE RESPONSIBILITY OF THE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITING, ROTTOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED   | Drawing Scale NONE | Approved: Division Chief        | Location V.A. MEDICAL CENTER HOT SPRINGS, SD | DRAWING NO.            | Management  Department of      |
| SENERAL CONTRACTOR, THIS WILL BE ACCOMPLETION OF THE INSTALLATION OF ANY AND ALL OTHERIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.  REVISIONS  DATE  | Plot Scale         | Approved: Service Director      | Date 7/20/2013 Checked DRS Drawn DRS         | Dwg. 4 Of 4            | Department of Veterans Affairs |