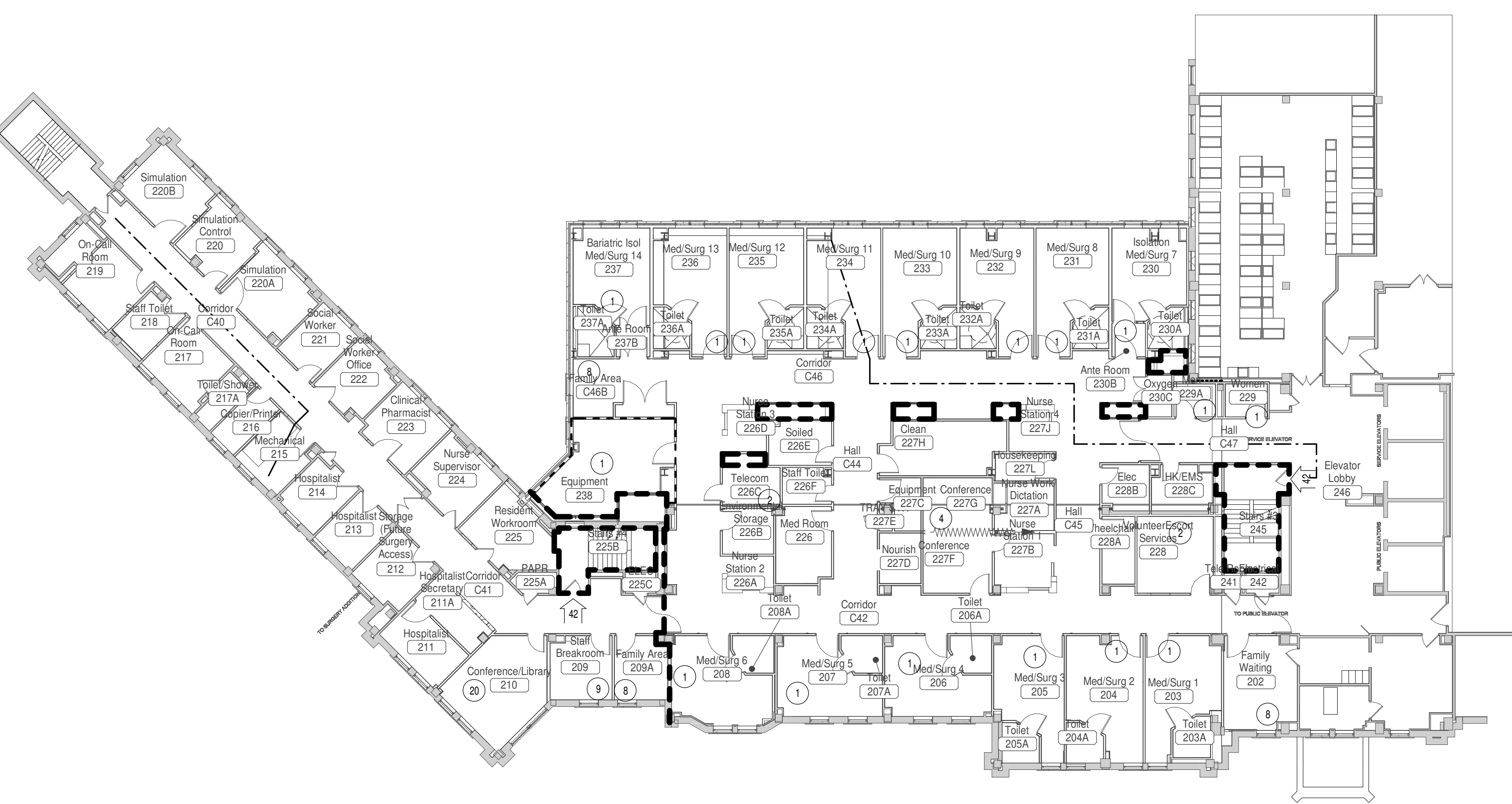
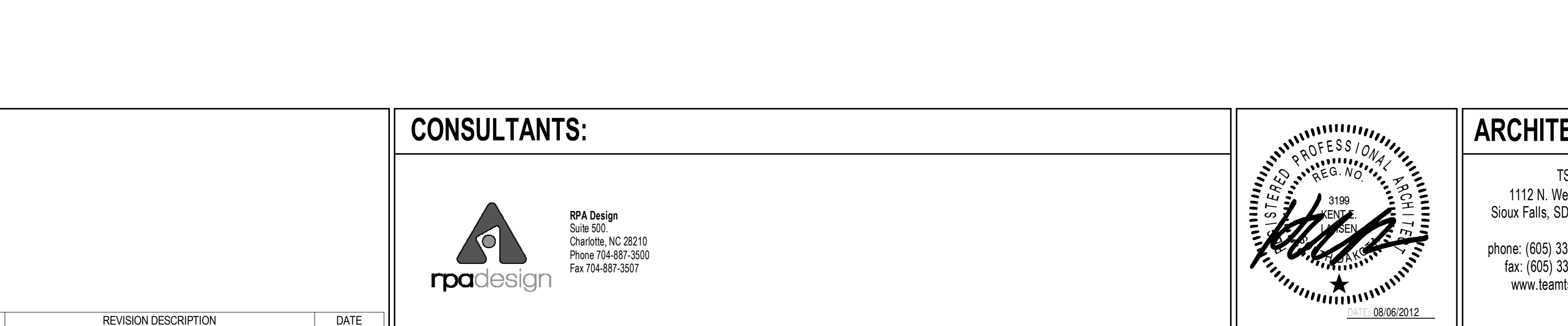




**1C FIRST LEVEL CODE PLAN**  
1/16" = 1'-0"



**1F SECOND LEVEL CODE PLAN**  
1/16" = 1'-0"



**5C THIRD LEVEL CODE PLAN**  
1/16" = 1'-0"



PROJECT:		BUILDING:	
SIOUX FALLS VA HEALTH CARE SYSTEM ACUTE INPATIENT MEDICAL UNIT SIOUX FALLS, SOUTH DAKOTA		ADDITION AND RENOVATION	
OWNER:		USE:	
OFFICE OF CONSTRUCTION & FACILITIES MANAGEMENT DEPARTMENT OF VETERANS AFFAIRS ADDRESS?		HOSPITAL AND OUTPATIENT SERVICES	
ARCHITECT:		OCCUPANCY:	
TSP, INC. 1112 N. WEST AVE SIOUX FALLS, SD 57104		HEALTHCARE	
BUILDING CODE:		CONSTRUCTION TYPE:	
NFPA 101 Life Safety Code (2009)		LSC TABLE 18.1.6.2 Type II (222)	
FIRE CODE:		ALLOWABLE HEIGHT:	
NFPA National Fire Codes with the exception of NFPA 5000 and NFPA 900		LSC TABLE 18.1.6.1 (4) OR MORE STORIES	
STRUCTURAL CODE:		ACTUAL HEIGHT:	
IBC 2009		EXISTING: 72'-4 7/8" NEW: 51'-8"	
PLUMBING CODE:		ALLOWABLE AREA/FLOOR LSC	
National Standard Plumbing Code (NSPC)		EXISTING: 1,263 NEW: 4,332 TOTAL: 5,595	
MECHANICAL CODE:		ACTUAL AREA/FLOOR	
ASHRAE Standard 62.1-2004 ASHRAE Standard 15-2007		FIRST: 1,263 SECOND: 8,992 THIRD: 6,054	
ELECTRICAL CODE:		EXISTING REMODEL: NONE	
NEC 2009 (NATIONAL ELECTRICAL CODE)		FIRE RESISTIVE REQUIREMENTS	
BOILER CODE:		LSC TABLE A.6.2.1	
ASME Boiler and Pressure Vessel Code ASME Code for Pressure Piping		BEARING WALLS (EXTERIOR): 2 HR BEARING WALLS (INTERIOR): 2 HR NON-BEARING WALLS (EXTERIOR): 0 HR PARTITIONS: 0 HR STRUCTURAL FRAME: 2 HR FLOOR AND FLOOR/CEILING: 2 HR ROOF AND ROOF/CEILING: 1 HR SHAFT ENCLOSURES: 2 HR STARWAY CONSTRUCTION: 2 HR	
ACCESSIBILITY CODE:		CONCRETE REQUIREMENTS: Building Code Requirements for Reinforced Concrete, American Concrete Institute and Commentary (ACI 318)	
Architectural Barriers Act Accessibility Standards (ABAAS) including VA supplement, Barrier Free Design Guide (FG-18-13)			

CODE PLAN NOTES	
1.	THE BUILDING AND SPACES THROUGHOUT THE FACILITY ARE FULLY PROTECTED BY A FULLY SUPERVISED FIRE SUPPRESSION SYSTEM.
2.	THE BUILDING AND SPACES THROUGHOUT THE FACILITY ARE FULLY PROTECTED BY A FULLY SUPERVISED FIRE ALARM SYSTEM. a. OPEN SPACES TO THE CORRIDOR COMPLY WITH LSC 18.3.8.
3.	ADDITION: LSC 18.1.1.4.1 EXISTING FACILITY CONFORMS TO CHAPTER 19 REQUIREMENTS. NO FIRE BARRIER REQUIRED.
4.	CORRIDORS: LSC 18.2.3.3/19.2.3.3 a. NEW CORRIDORS SHALL BE 6' WIDE UNLESS NOTED OTHERWISE. b. EXISTING CORRIDORS IN REMODEL AREAS SHALL BE MAINTAINED AT EXISTING CLEAR WIDTH OF 6'-0" UNO, WHICH EXCEEDS MINIMUM REQUIREMENTS FOR EXISTING FACILITIES.
5.	DOORS: LSC 18.2.3.5 a. CLEAR WIDTH FOR DOORS SERVING PATIENTS SHALL BE <b>MIN. 42"</b> . b. PAIRS OF DOORS SHALL MEET EXCEPTION NO. 4 WHERE ONE LEAF PROVIDES AT LEAST 32" CLEAR. c. CORRIDOR DOORS SHALL NOT BE RATED UNLESS OTHERWISE REQUIRED.
6.	ARRANGEMENT OF MEANS OF EGRESS: LSC 18.2.5
7.	TRAVEL DISTANCE: LSC 18.2.6 a. TRAVEL DISTANCE TO NEAREST EXIT SHALL NOT EXCEED 150 FT FROM THE ROOM DOOR TO AN EXIT. MAX 200' FROM ANY POINT IN ROOM.
8.	PROTECTION FROM HAZARDS: LSC 18.3.2 a. HAZARDOUS AND INCIDENTAL USE AREAS SHALL BE SEPARATED BY ONE-HOUR RATED FIRE RESISTIVE CONSTRUCTION.
9.	CORRIDORS: LSC 18.3.6 a. CORRIDOR PARTITIONS SHALL LIMIT THE TRANSFER OF SMOKE AND ARE NOT FIRE RATED UNLESS NOTED. CORRIDOR WALLS AND PARTITIONS SHALL EXTEND TO BOTTOM OF FLOOR OR ROOF DECK FOR ACOUSTIC AND FIRE/SMOKE RESISTANCE UNLESS NOTED OTHERWISE ON THE PLAN. b. CORRIDOR WALLS/DOORS HAVE NO LIMITATION ON AREA OF VISION PANELS. c. CLOSERS ARE NOT REQUIRED ON CORRIDOR DOORS UNLESS SERVING AS AN EXIT, SMOKE BARRIER, ENCLOSURE OR HAZARDOUS AREA. d. NON-RATED, APPLIED PROTECTIVE PLATES ARE PERMITTED TO 48" MAX.
10.	SMOKE COMPARTMENTS: LSC 18.3.7 a. EACH FLOOR SHALL HAVE A MINIMUM OF TWO SMOKE COMPARTMENTS. EACH COMPARTMENT SHALL NOT EXCEED 22,000 SF. b. TRAVEL DISTANCE TO NEAREST DOOR IN SMOKE BARRIER SHALL NOT EXCEED 200 FT. c. SMOKE BARRIERS SHALL BE OF 1-HOUR RATED CONSTRUCTION MINIMUM.

CODE PLAN GENERAL NOTES	
A.	REFER TO THE FIRE/SMOKE RESISTANCE LEGEND AND CONSTRUCTION TYPES FOR WALL TYPES AND RATINGS.
B.	ALL PARTITIONS SHOWN WITH A FIRE/SMOKE RESISTANCE DESIGNATION SHALL TERMINATE AT THE FLOOR/ROOF DECK WITH UL LISTED FIRE/SMOKE STOPPING ASSEMBLY. REFER TO WALL TYPES FOR CONSTRUCTION ASSEMBLY INFORMATION.
C.	ALL PENETRATIONS OF RATED WALL AND FLOOR/CEILING OR ROOF/CEILING CONSTRUCTION SHALL BE SEALED WITH UL LISTED ASSEMBLIES EQUALING RATING OF ITEM PENETRATED.
D.	CONTRACTORS AND SUB-CONTRACTORS OF EACH TRADE SHALL BE RESPONSIBLE FOR INCLUDING WORK ASSOCIATED WITH FIRE PROTECTION OF ALL SPECIFIC TRADE RELATED PENETRATIONS THROUGH RATED WALLS AND FLOOR/CEILING ASSEMBLIES. FIRE SAFETY RELATED TO PENETRATIONS BY EACH TRADE SHALL BE PERFORMED BY INDIVIDUALS EXPERIENCED WITH INSTALLING UL RATED PENETRATION ASSEMBLIES.
E.	EACH PENETRATION SYSTEM SHALL BE SUBMITTED AND MARKED AS SUCH.

LIFE SAFETY LEGEND	
1 Hour Fire Partition	---
1 Hour Fire Barrier	=====
2 Hour Fire Barrier	=====
1 Hour Smoke Barrier	-----
Smoke Partition	.....
Fire Extinguisher	FE
Fire Extinguisher Cabinet	FEC
Travel Distance	25'-0"
Exit Width	4'-0"
Exit Sign	EXIT

**FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS**

<b>CONSULTANTS:</b>  RPA Design Suite 302 Charlotte, NC 28210 Phone 704-887-3500 Fax 704-887-3507	 TSP, Inc. 1112 N. West Ave. Sioux Falls, SD 57104 phone: (605) 336-1160 fax: (605) 336-7926 www.teamtsp.com	<b>ARCHITECTS/ ENGINEERS:</b>  To Solve. To Excel. Together.	Drawing Title <b>CODE PLANS</b>	Project Title <b>Sioux Falls VA Health Care System Acute Inpatient Medical Unit Addition and Renovation</b>	Project Number 438-369
			Approved: Project Director	Location VA Medical Center 2801 W. 22nd Street, PO Box 5046 Sioux Falls, SD 57117-5046	Building Number 5
MARK REVISION DESCRIPTION DATE	Date 08/06/12	Checked Checker	Drawn EOO	Drawing Number <b>5-G1101</b> Dwg. 2 of 123	Office of <b>Construction and Facilities Management</b> Department of Veterans Affairs

C:\TSP\RevLocalFiles\080817\_VA\_A12\_Central\_08a.dwg 8/30/2012 3:48:25 PM

OPERATIONAL MED/SURG BEDS:				
PHASE:	BEDS AT START	BEDS DEMOLISHED	BEDS DURING PHASE	BEDS AT END
PHASE 1A	28	0	28	28
PHASE 1B	28	8	20	36
PHASE 2A	36	16	20	32
PHASE 2B	32	0	32	32
PHASE 3	32	4	28	28

**PHASING PLAN GENERAL NOTES**

A. PHASE 1A SHALL CONSIST OF THE MAJOR ADDITION.

B. PHASE 1B SHALL CONSIST OF RENOVATIONS ADJACENT TO THE ADDITION. THESE AREAS WILL BEGIN AFTER THE ADDITION STRUCTURE IS IN PLACE.

C. PHASE 2A SHALL CONSIST OF PATIENT ROOM RENOVATIONS ON THE EAST PORTION OF THE BUILDING. THIS PHASE SHALL BEGIN AFTER PHASE 1 IS OCCUPABLE.

D. PHASE 2B SHALL CONSIST OF RENOVATIONS TO THE EXISTING COMMON BATHROOMS AND THE COMPLETION OF SUPPORT SPACES IN THE NURSING CORE. THE EXISTING COMMON BATHROOMS MUST REMAIN OPERATIONAL UNTIL NEW PATIENT ROOMS BEING CONSTRUCTED IN PHASES 1 AND 2 ARE OCCUPABLE.

E. PHASE 3 SHALL CONSIST OF RENOVATIONS TO THE SOUTH PORTION OF THE WING INTO NEW OFFICES AND SUPPORT FUNCTIONS. THIS PHASE SHALL BEGIN AFTER PHASE 2 IS OCCUPABLE.

F. RENOVATION OF MAIN CORRIDOR FINISHES SHALL OCCURE AT NIGHT DURING PHASE 2. COORDINATE SCHEDULING OF FINISH INSTALLATION WITH VA ENGINEER. PORTIONS OF FLOORING SHALL BE REMOVED AND REINSTALLED IN SINGLE NIGHT. PORTION OF CORRIDOR WIDTH (MIN. 4'-0") MUST REMAIN OPEN AT ALL TIMES FOR STAFF ACCESS AND EGRESS.

G. ALL TEMPORARY PARTITIONS SHALL CONSIST OF WALL ASSEMBLY TYPE A3AS. TO BE ONE HOUR RATING. TO GO UP TO DECK.

H. STAGING TO OCCUR ON SOUTH WEST CORNER OF SITE. COORDINATE WITH OWNER.

I. ASBESTOS ABATEMENT TO OCCUR BY PHASING. REFERENCE SPECIFICATIONS.

**PHASING NARRATIVE**

**General Notes**

- Coordinate with owner when shut down of systems will occur to minimize disruption of existing services - all levels and all phases.
- All Levels - basement - fourth will be impacted by construction.
- Owner coordinated risk assessment to occur prior to construction commencement and during phasing transitions - all phases.

**Phase 1a**  
**Basement Level:**  
 Demolition and installation of fire protection sprinkler, steam, hydronic, domestic plumbing, piping and storm piping.

**Ground Level:**  
 Site work and prep for new structural elements  
 Installation of new steps, foot stoop, hand railing, guardrails, and paving as necessary for existing requirements.  
 Owner to continue to use existing lab and dental area rooms during phase 1A.

**1st Level:**  
 Demolish all elements as indicated in demolition and phasing drawings.  
 Build entire 1st level addition as shown in phasing drawings.  
 Install equipment. Coordinate with owner.  
 Reference plans for pneumatic tube system placement.

**2nd Level:**  
 Demolish all elements as indicated in demolition and phasing drawings.  
 Build entire 2nd level addition as shown in phasing drawings.  
 Install equipment. Coordinate with owner.  
 Reference plans for pneumatic tube system placement.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Owner to continue to use existing patient rooms during phase 1a.

**3rd Level:**  
 Demolish all elements as indicated in demolition and phasing drawings.  
 Build entire 3rd level addition as shown in phasing drawings.  
 Install equipment. Coordinate with owner.  
 Reference plans for pneumatic tube system placement.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Owner to continue to use existing patient rooms during phase 1a.

**Phase 1b**  
**Ground Level:**  
 Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.

**1st Level:**  
 Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Install equipment. Coordinate with owner.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Patients on existing east side to be relocated to other rooms during phase 1b.

**2nd Level:**  
 Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Install equipment. Coordinate with owner.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Patients on existing west side to be relocated to other rooms during phase 1b.

**Phase 2a**  
**Ground Level:**  
 1st Level:  
 2nd Level:

Remove existing equipment. Salvage. Return to owner or prep for reinstallation.  
 Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Install equipment. Coordinate with owner.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Owner to continue to use phase 2b zone (bathroom facilities) through phase 2a.  
 Patients on existing east side to be relocated to other rooms during phase 2a.

**3rd Level:**  
 Remove existing equipment. Salvage. Return to owner or prep for reinstallation.  
 Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Install equipment. Coordinate with owner.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Owner to continue to use phase 2b zone (bathroom facilities) through phase 2a.  
 Patients on existing east side to be relocated to other rooms during phase 2a.

**Phase 2b**  
**Ground Level:**  
 Install pneumatic tube system in lab as shown.

**1st Level:**  
 Install pneumatic tube system in mechanical room as shown.

**2nd Level:**  
 Remove existing equipment. Salvage. Return to owner or prep for reinstallation.  
 Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Install equipment. Coordinate with owner.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Patients able to occupy areas in zone 1a and 2a.

**3rd Level:**  
 Remove existing equipment. Salvage. Return to owner or prep for reinstallation.  
 Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Install equipment. Coordinate with owner.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Patients able to occupy areas in zone 1a and 2a.

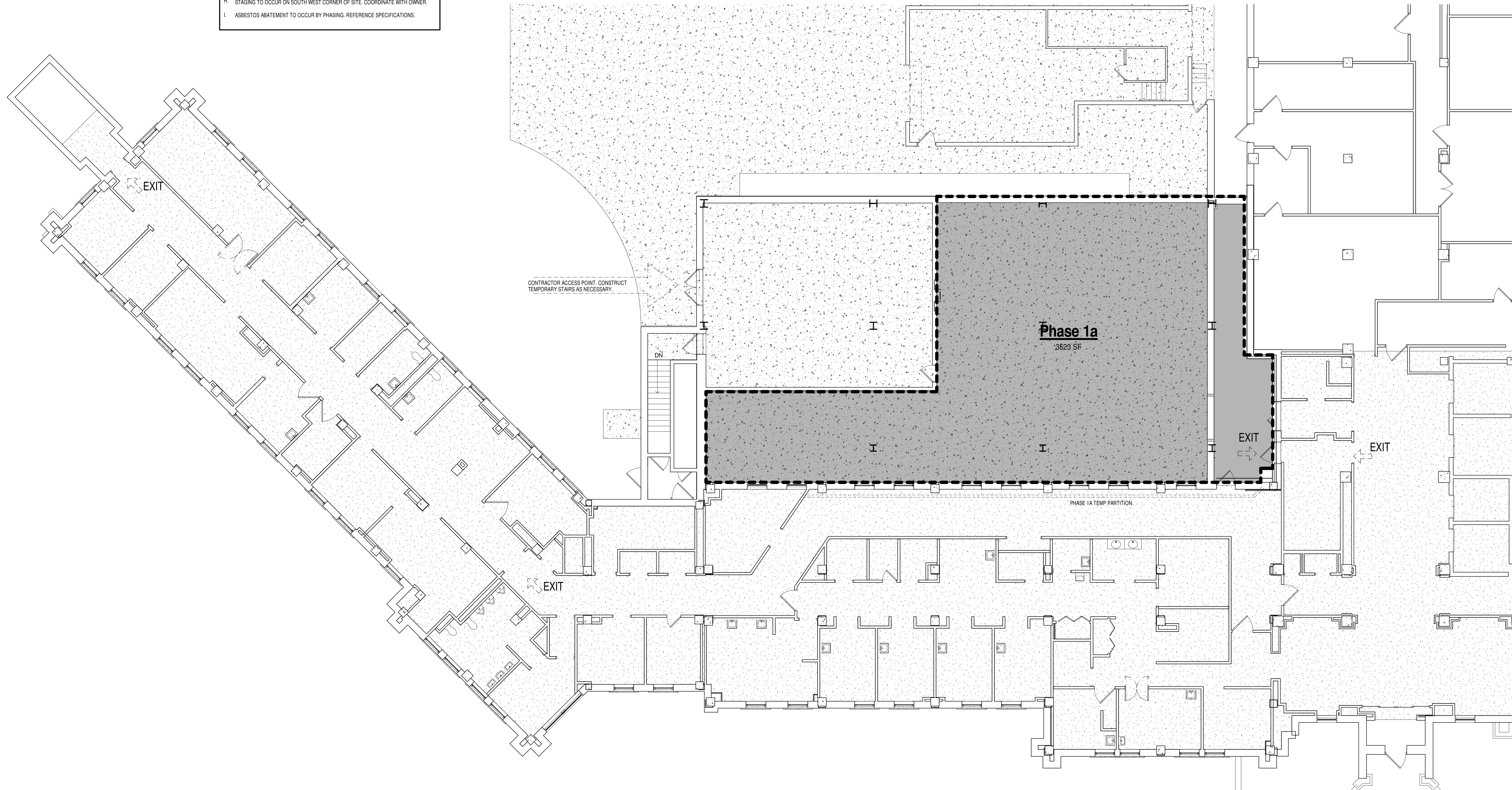
**Phase 3**  
**Basement Level:**  
 Mechanical, Electrical and Plumbing Work

**Ground Level:**  
 Mechanical, Electrical and Plumbing Work

**1st Level:**  
 Mechanical, Electrical and Plumbing Work

**2nd Level:**  
 Demolish existing wall assemblies, doors, ceilings, finishes and equipment and associated MEP and structural items as shown in plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Install equipment. Coordinate with owner.

**3rd Level:**  
 Demolish existing wall assemblies, doors, ceilings, finishes and equipment and associated MEP and structural items as shown in plans.  
 Install temporary partitions as necessary for construction as shown in phasing plans.  
 Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
 Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
 Install equipment. Coordinate with owner.




**1F FIRST LEVEL**  
 1/8" = 1'-0"

**FULLY SPRINKLERED  
 100% CONSTRUCTION DOCUMENTS**

MARK	REVISION DESCRIPTION	DATE

**CONSULTANTS:**




RPA Design  
 Suite 502  
 Charlotte, NC 28210  
 Phone 704-887-3500  
 Fax 704-887-3507



**ARCHITECTS/ ENGINEERS:**

TSP, Inc.  
 1112 N. West Ave.  
 Sioux Falls, SD 57104  
 phone: (605) 336-1160  
 fax: (605) 336-7926  
 www.teamtsp.com




To Solve. To Excel. Together.

Drawing Title	1ST LEVEL PLAN - PHASING
Approved: Project Director	

Project Title	Sioux Falls VA Health Care System Acute Inpatient Medical Unit Addition and Renovation
Location	1A Medical Center 2801 W. 22nd Street, PO Box 5046 Sioux Falls, SD 57117-5046
Date	08/06/12
Checked	Checker
Drawn	EOO

Project Number	438-369
Building Number	5
Drawing Number	5-G1111
Dwg. # of 123	3 of 123

**Office of  
 Construction  
 and Facilities  
 Management**



Department of  
 Veterans Affairs

PHASE:	BEDS AT START	BEDS DEMOLISHED	BEDS DURING PHASE	BEDS AT END
PHASE 1A	28	0	28	28
PHASE 1B	28	8	20	36
PHASE 2A	36	16	20	32
PHASE 2B	32	0	32	32
PHASE 3	32	4	28	28

**PHASING PLAN GENERAL NOTES**

- PHASE 1A SHALL CONSIST OF THE MAJOR ADDITION.
- PHASE 1B SHALL CONSIST OF RENOVATIONS ADJACENT TO THE ADDITION. THESE AREAS WILL BEGIN AFTER THE ADDITION STRUCTURE IS IN PLACE.
- PHASE 2A SHALL CONSIST OF PATIENT ROOM RENOVATIONS ON THE EAST PORTION OF THE BUILDING. THIS PHASE SHALL BEGIN AFTER PHASE 1 IS OCCUPABLE.
- PHASE 2B SHALL CONSIST OF RENOVATIONS TO THE EXISTING COMMON BATHROOMS AND THE COMPLETION OF SUPPORT SPACES IN THE NURSING CORE. THE EXISTING COMMON BATHROOMS MUST REMAIN OPERATIONAL UNTIL NEW PATIENT ROOMS BEING CONSTRUCTED IN PHASES 1 AND 2 ARE OCCUPABLE.
- PHASE 3 SHALL CONSIST OF RENOVATIONS TO THE SOUTH PORTION OF THE WING INTO NEW OFFICES AND SUPPORT FUNCTIONS. THIS PHASE SHALL BEGIN AFTER PHASE 2 IS OCCUPABLE.
- RENOVATION OF MAIN CORRIDOR FINISHES SHALL OCCURE AT NIGHT DURING PHASE 2. COORDINATE SCHEDULING OF FINISH INSTALLATION WITH VA ENGINEER. PORTIONS OF FLOORING SHALL BE REMOVED AND REINSTALLED IN SINGLE NIGHT. PORTION OF CORRIDOR WIDTH (MIN. 4'-0") MUST REMAIN OPEN AT ALL TIMES FOR STAFF ACCESS AND EGRESS.
- ALL TEMPORARY PARTITIONS SHALL CONSIST OF WALL ASSEMBLY TYPE A3AS. TO BE ONE HOUR RATING. TO GO UP TO DECK.
- STAGING TO OCCUR ON SOUTH WEST CORNER OF SITE. COORDINATE WITH OWNER.
- ASBESTOS ABATEMENT TO OCCUR BY PHASING. REFERENCE SPECIFICATIONS.

**PHASING NARRATIVE**

**General Notes**

- Coordinate with owner when shut down of systems will occur to minimize disruption of existing services - all levels and all phases.
- All Levels - basement - fourth will be impacted by construction.
- Owner coordinated risk assessment to occur prior to construction commencement and during phasing transitions - all phases.

**Phase 1a**

**Basement Level:**  
Demolition and installation of fire protection sprinkler, steam, hydronic, domestic plumbing, piping and storm piping.

**Ground Level:**  
Site work and prep for new structural elements  
Installation of new steps, frost stop, hand railing, guardrails, and paving as necessary for exiting requirements.  
Owner to continue to use existing lab and dental area rooms during phase 1a.

**1st Level:**  
Demolish all elements as indicated in demolition and phasing drawings.  
Build entire 1st level addition as shown in phasing drawings.  
Install equipment. Coordinate with owner.  
Reference plans for pneumatic tube system placement.

**2nd Level:**  
Demolish all elements as indicated in demolition and phasing drawings.  
Build entire 2nd level addition as shown in phasing drawings.  
Install equipment. Coordinate with owner.  
Reference plans for pneumatic tube system placement.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use existing patient rooms during phase 1a.

**3rd Level:**  
Demolish all elements as indicated in demolition and phasing drawings.  
Build entire 3rd level addition as shown in phasing drawings.  
Install equipment. Coordinate with owner.  
Reference plans for pneumatic tube system placement.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use existing patient rooms during phase 1a.

**Phase 1b**

**Ground Level:**  
Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Install temporary point of entrance connection between phase 1A and south wing.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients on existing west side to be relocated to other rooms during phase 1b.

**1st Level:**  
Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Install temporary point of entrance connection between phase 1A and south wing.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients on existing west side to be relocated to other rooms during phase 1b.

**2nd Level:**  
Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use phase 2a zone (bathroom facilities) through phase 2a  
Patients on existing east side to be relocated to other rooms during phase 2a

**3rd Level:**  
Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use phase 2a zone (bathroom facilities) through phase 2a  
Patients on existing east side to be relocated to other rooms during phase 2a

**Phase 2a**

**Ground Level:**  
Remove existing equipment. Salvage. Return to owner or prep for reinstallation  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use phase 2b zone (bathroom facilities) through phase 2a  
Patients on existing east side to be relocated to other rooms during phase 2a

**1st Level:**  
Install pneumatic tube system in lab as shown.

**2nd Level:**  
Remove existing equipment. Salvage. Return to owner or prep for reinstallation  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients able to occupy areas in zone 1a and 2a

**3rd Level:**  
Remove existing equipment. Salvage. Return to owner or prep for reinstallation  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients able to occupy areas in zone 1a and 2a

**Phase 2b**

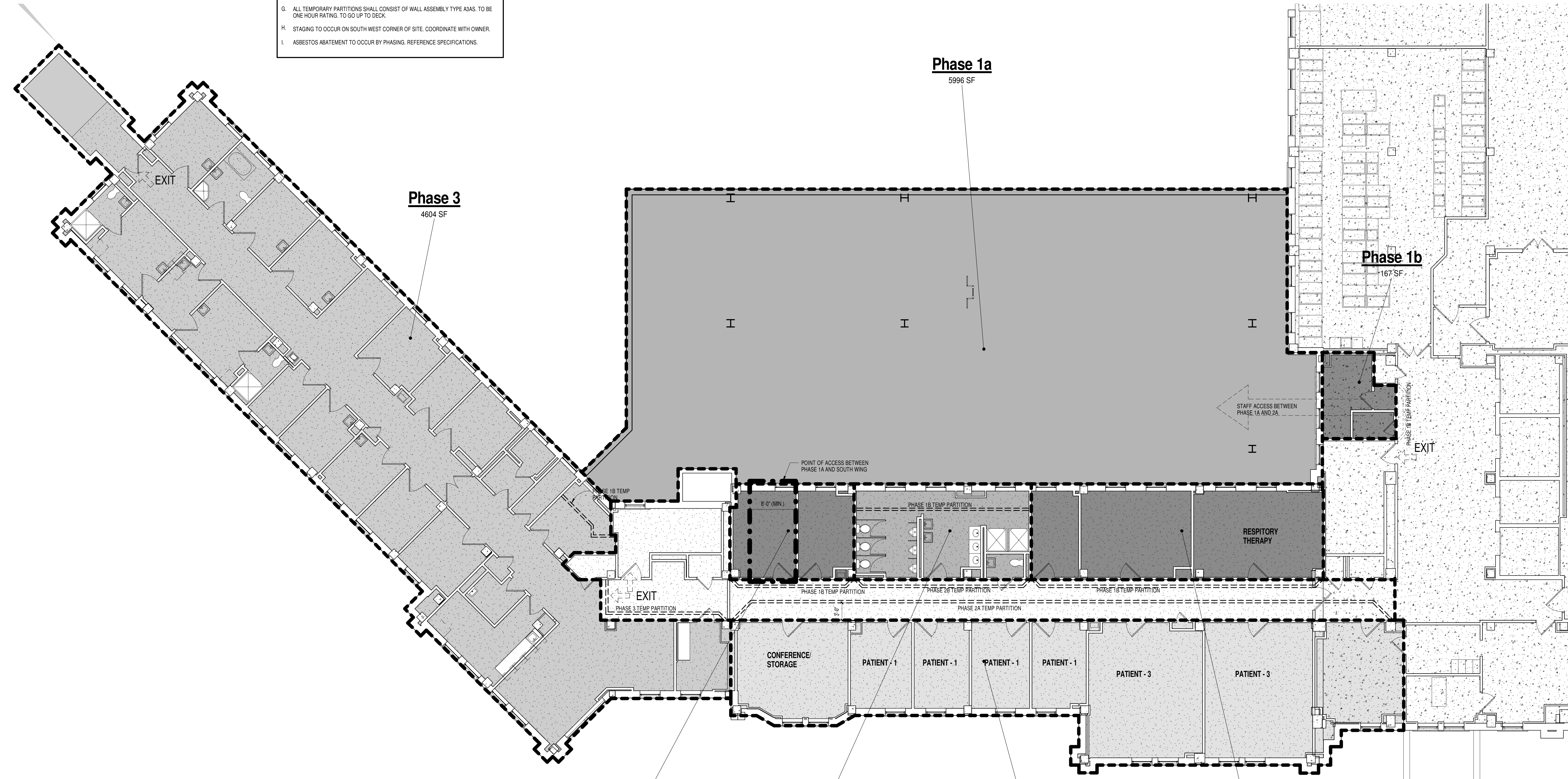
**Basement Level:**  
Mechanical, Electrical and Plumbing Work

**Ground Level:**  
Mechanical, Electrical and Plumbing Work

**1st Level:**  
Mechanical, Electrical and Plumbing Work



**2nd Level:**  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment and associated MEP and structural items as shown in plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Install equipment. Coordinate with owner.

**3rd Level:**  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment and associated MEP and structural items as shown in plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Install equipment. Coordinate with owner.



**1F SECOND LEVEL**  
1/8" = 1'-0"

**FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS**

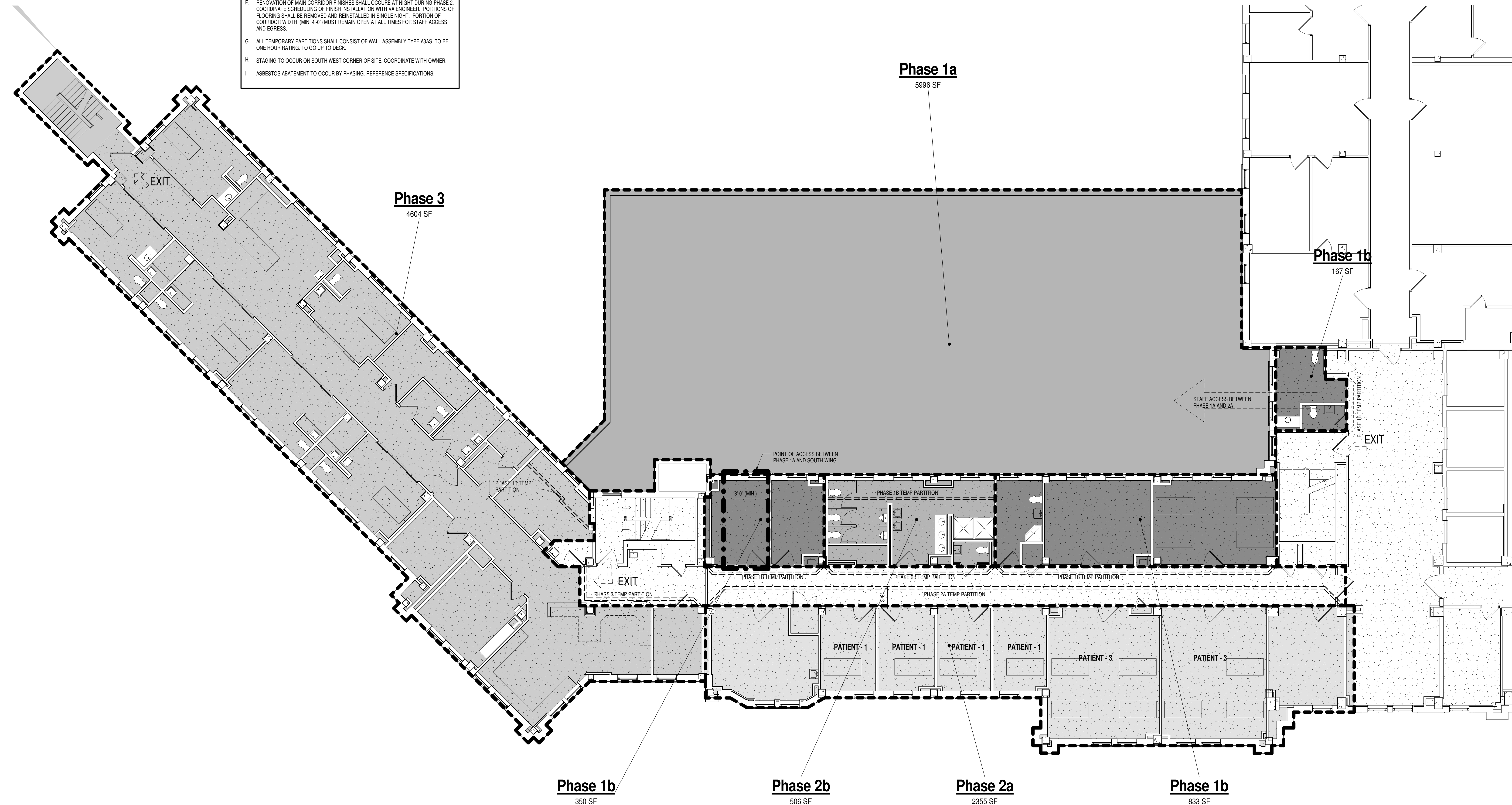
<p><b>CONSULTANTS:</b></p>  <p>RPA Design Suite 505 Charlotte, NC 28210 Phone 704-887-3500 Fax 704-887-3507</p>	<p><b>ARCHITECTS/ ENGINEERS:</b></p>  <p>TSP, Inc. 1112 N. West Ave. Sioux Falls, SD 57104 phone: (605) 336-1160 fax: (605) 336-7926 www.teamtsp.com To Solve. To Excel. Together.</p>	<p>Drawing Title <b>2ND LEVEL PLAN - PHASING</b></p>	<p>Project Title <b>Sioux Falls VA Health Care System Acute Inpatient Medical Unit Addition and Renovation</b></p>	<p>Project Number <b>438-369</b></p>						
		<p>Approved: Project Director</p>	<p>Location 1A Medical Center 2801 W. 22nd Street, PO Box 5046 Sioux Falls, SD 57117-5046</p>	<p>Building Number <b>5</b></p>	<p>Drawing Number <b>5-G1112</b> Dwg. 4 of 123</p>	<p>Office of Construction and Facilities Management</p> <p>Department of Veterans Affairs</p>				
<table border="1"> <thead> <tr> <th>MARK</th> <th>REVISION DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	REVISION DESCRIPTION	DATE				<p>08/06/12</p>	<p>Date 08/06/12</p>	<p>Checked Checker</p>	<p>Drawn EEO</p>
MARK	REVISION DESCRIPTION	DATE								

C:\TSP\Rev\Local Files\010807\_VA\_A12\_Central\_04a.dwg  
09/07/12 3:46:45 PM

PHASE	BEDS AT START	BEDS DEMOLISHED	BEDS DURING PHASE	BEDS AT END
PHASE 1A	28	0	28	28
PHASE 1B	28	8	20	36
PHASE 2A	36	16	20	32
PHASE 2B	32	0	32	32
PHASE 3	32	4	28	28



- PHASING PLAN GENERAL NOTES**
- PHASE 1A SHALL CONSIST OF THE MAJOR ADDITION.
  - PHASE 1B SHALL CONSIST OF RENOVATIONS ADJACENT TO THE ADDITION. THESE AREAS WILL BEGIN AFTER THE ADDITION STRUCTURE IS IN PLACE.
  - PHASE 2A SHALL CONSIST OF PATIENT ROOM RENOVATIONS ON THE EAST PORTION OF THE BUILDING. THIS PHASE SHALL BEGIN AFTER PHASE 1 IS OCCUPIABLE.
  - PHASE 2B SHALL CONSIST OF RENOVATIONS TO THE EXISTING COMMON BATHROOMS AND THE COMPLETION OF SUPPORT SPACES IN THE NURSING CORE. THE EXISTING COMMON BATHROOMS MUST REMAIN OPERATIONAL UNTIL NEW PATIENT ROOMS BEING CONSTRUCTED IN PHASES 1 AND 2 ARE OCCUPIABLE.
  - PHASE 3 SHALL CONSIST OF RENOVATIONS TO THE SOUTH PORTION OF THE WING INTO NEW OFFICES AND SUPPORT FUNCTIONS. THIS PHASE SHALL BEGIN AFTER PHASE 2 IS OCCUPIABLE.
  - RENOVATION OF MAIN CORRIDOR FINISHES SHALL OCCURE AT NIGHT DURING PHASE 2. COORDINATE SCHEDULING OF FINISH INSTALLATION WITH VA ENGINEER. PORTIONS OF FLOORING SHALL BE REMOVED AND REINSTALLED IN SINGLE NIGHT. PORTION OF CORRIDOR WIDTH (MIN. 4'-0") MUST REMAIN OPEN AT ALL TIMES FOR STAFF ACCESS AND EGRESS.
  - ALL TEMPORARY PARTITIONS SHALL CONSIST OF WALL ASSEMBLY TYPE A3AS. TO BE ONE HOUR RATING. TO GO UP TO DECK.
  - STAGING TO OCCUR ON SOUTH WEST CORNER OF SITE. COORDINATE WITH OWNER.
  - ASBESTOS ABATEMENT TO OCCUR BY PHASING. REFERENCE SPECIFICATIONS.

- PHASING NARRATIVE**
- General Notes**
- Coordinate with owner when shut down of systems will occur to minimize disruption of existing services - all levels and all phases.
  - All Levels - basement - fourth will be impacted by construction.
  - Owner coordinated risk assessment to occur prior to construction commencement and during phasing transitions - all phases.
- Phase 1a**
- Basement Level:**  
Demolition and installation of fire protection sprinkler, steam, hydronic, domestic plumbing, piping and storm piping.
- Ground Level:**  
Site work and prep for new structural elements  
Installation of new stairs, floor slabs, hand railing, guardrails, and paving as necessary for existing requirements.  
Owner to continue to use existing lab and dental area rooms during phase 1A.
- 1st Level:**  
Demolish all elements as indicated in demolition and phasing drawings.  
Build entire 1st level addition as shown in phasing drawings.  
Install equipment. Coordinate with owner.  
Reference plans for pneumatic tube system placement.
- 2nd Level:**  
Demolish all elements as indicated in demolition and phasing drawings.  
Build entire 2nd level addition as shown in phasing drawings.  
Install equipment. Coordinate with owner.  
Reference plans for pneumatic tube system placement.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use existing patient rooms during phase 1a.
- 3rd Level:**  
Demolish all elements as indicated in demolition and phasing drawings.  
Build entire 3rd level addition as shown in phasing drawings.  
Install equipment. Coordinate with owner.  
Reference plans for pneumatic tube system placement.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use existing patient rooms during phase 1a.
- Phase 1b**
- Ground Level:**  
1st Level:  
2nd Level:  
Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Install temporary point of entrance connection between phase 1A and south wing.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients on existing west side to be relocated to other rooms during phase 1b.
- 3rd Level:**  
Demolish existing wall assemblies, doors, windows, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Install temporary point of entrance connection between phase 1A and south wing.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients on existing west side to be relocated to other rooms during phase 1b.
- Phase 2a**
- Ground Level:**  
1st Level:  
2nd Level:  
Remove existing equipment. Salvage. Return to owner or prep for reinstallation  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use phase 2b zone (bathroom facilities) through phase 2a  
Patients on existing east side to be relocated to other rooms during phase 2a
- 3rd Level:**  
Remove existing equipment. Salvage. Return to owner or prep for reinstallation  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Owner to continue to use phase 2b zone (bathroom facilities) through phase 2a  
Patients on existing east side to be relocated to other rooms during phase 2a
- Phase 2b**
- Ground Level:**  
Install pneumatic tube system in lab as shown.
- 1st Level:**  
Install pneumatic tube system in mechanical room as shown.
- 2nd Level:**  
Remove existing equipment. Salvage. Return to owner or prep for reinstallation.  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients able to occupy areas in zone 1a and 2a
- 3rd Level:**  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment, and associated MEP and structural items as shown in phasing plans  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Install equipment. Coordinate with owner.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Patients able to occupy areas in zone 1a and 2a
- Phase 3**
- Basement Level:**  
Mechanical, Electrical and Plumbing Work
- Ground Level:**  
Mechanical, Electrical and Plumbing Work
- 1st Level:**  
Mechanical, Electrical and Plumbing Work
- 2nd Level:**  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment and associated MEP and structural items as shown in plans.  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Install equipment. Coordinate with owner.
- 3rd Level:**  
Demolish existing wall assemblies, doors, ceilings, finishes and equipment and associated MEP and structural items as shown in plans.  
Install temporary partitions as necessary for construction as shown in phasing plans.  
Complete construction in zone as indicated, including all mechanical, electrical, plumbing and fire protection sprinkler.  
Provide temporary ductwork, medical gas, fire protection sprinkler, steam, hydronic, domestic plumbing and storm piping to keep existing services operational and functional.  
Install equipment. Coordinate with owner.



**1F THIRD LEVEL**  
1/8" = 1'-0"

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

<p><b>CONSULTANTS:</b></p>  <p>RPA Design Suite 505 Charlotte, NC 28210 Phone 704-887-3500 Fax 704-887-3507</p>	<p><b>ARCHITECTS/ ENGINEERS:</b></p>  <p>TSP, Inc. 1112 N. West Ave. Sioux Falls, SD 57104 phone: (605) 336-1160 fax: (605) 336-7926 www.teamtsp.com To Solve. To Excel. Together.</p>	<p>Drawing Title <b>3RD LEVEL PLAN - PHASING</b></p>	<p>Project Title <b>Sioux Falls VA Health Care System Acute Inpatient Medical Unit Addition and Renovation</b></p>	<p>Project Number <b>438-369</b></p>						
		<p>Approved: Project Director</p>	<p>Location 1A Medical Center 2801 W. 22nd Street, PO Box 5046 Sioux Falls, SD 57117-5046</p>	<p>Building Number <b>5</b></p>	<p>Drawing Number <b>5-G1113</b> Dwg. 5 of 123</p>					
<table border="1"> <tr> <th>MARK</th> <th>REVISION DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	MARK	REVISION DESCRIPTION	DATE				<p>Date 08/06/12</p> <p>Checked Checker</p> <p>Drawn EEO</p>	<p>Office of Construction and Facilities Management Department of Veterans Affairs</p>		
MARK	REVISION DESCRIPTION	DATE								