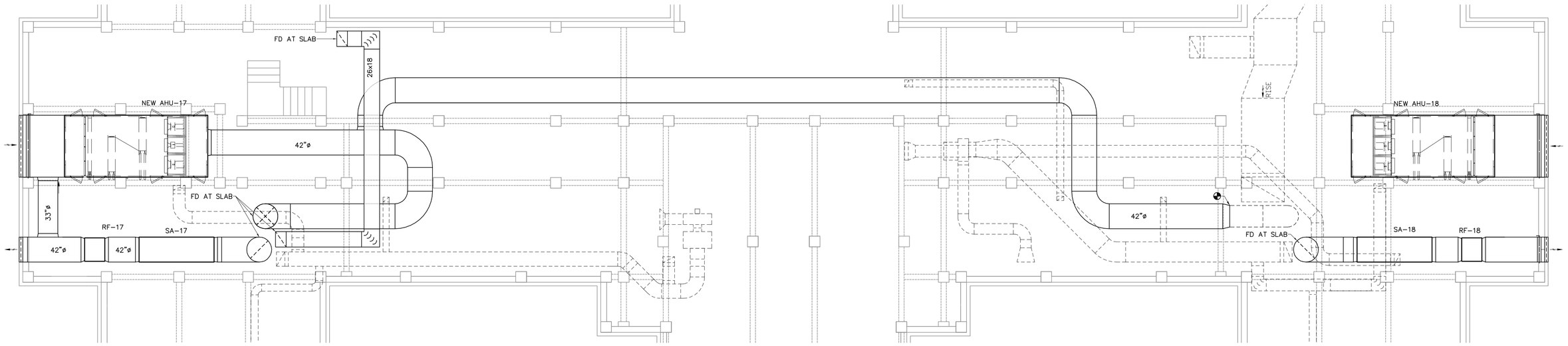
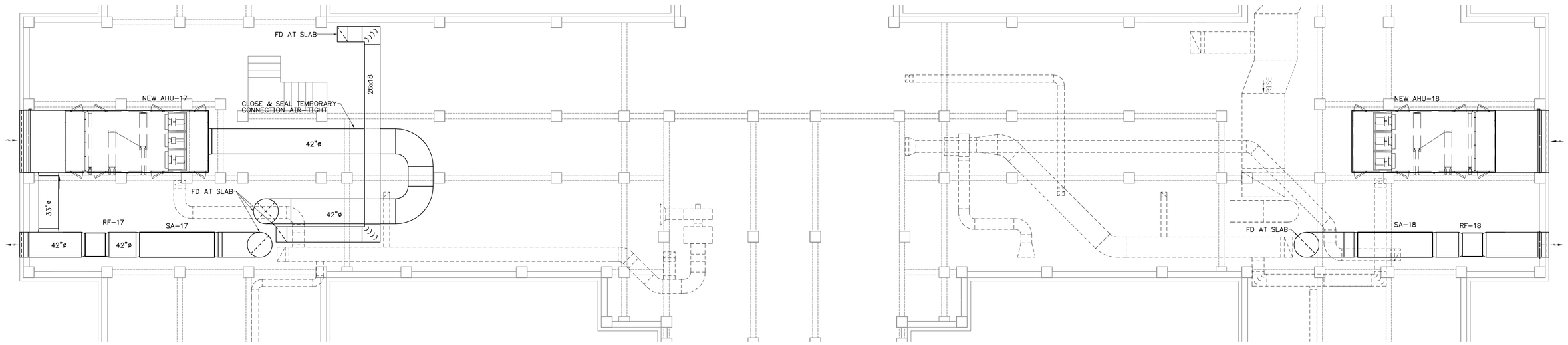


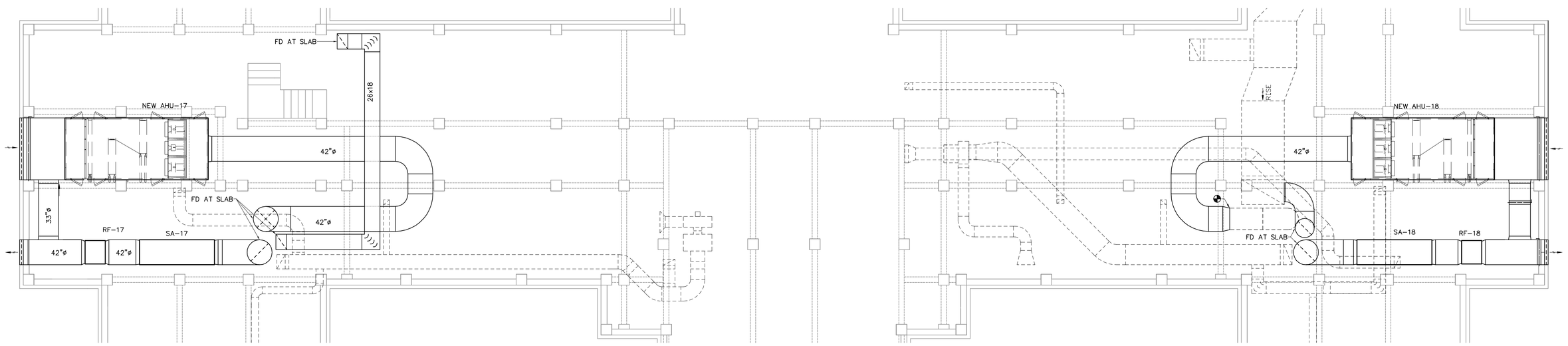
NOTES: PHASE 4

A. DEMO (X) AHU-18 AND (X) DUCTWORK, AND INSTALL NEW AHU-18 AND NEW RF-18.



NOTES: PHASE 5

A. REMOVE TEMPORARY DUCT.



NOTES: PHASE 6

A. INSTALL NEW AHU-18 DUCTWORK AND CONNECT RF-18 TO NEW AHU.

PHASING PLAN FOR REPLACEMENT OF AHU?s

GENERAL GUIDELINES

1. The objective of this phasing plan is to provide the Contractor at least one scenario for demolition of existing air handling units and installation of new units while minimizing the time that any occupied part of the building is without conditioned air.

2. Contractor has the option of providing alternate scenarios for accomplishing this objective. If alternate phasing plan is anticipated, the Contractor shall include costs associated with such alternate plan in his proposed contract price and include alternate plan details with his proposal.

3. Contractor shall survey site and become familiar with details of the existing installation of air handling units, ductwork and piping to be removed, as well as the structural and architectural components of the existing structure. The mechanical attics are extremely restricted in space available.

4. Contractor shall have all new equipment and materials available before demolition of any existing air handling system begins. Contractor shall provide prefabricated ductwork sections, piping and insulation for new work complete as possible to the job site before any demolition begins.

5. New electrical work required for installation of new air handling units and pumps shall be as complete as possible and ready for connection to power source and to new equipment before demolition work is started.

SEQUENCE OF DEMOLITION AND NEW WORK

1. Access to the attic spaces is anticipated to be through existing louver locations at the mechanical attic level. Existing louvers indicated for removal and replacement on the architectural plans shall be removed to provide access for both new installation and demolition and removal of existing units.

2. Preparations for setting new air handling units in place shall be accomplished prior to any demolition work. This includes verification of clearances required and available, locating existing points of connection to existing services for chilled water, hot water, steam and condensate return, existing structural members, electrical service, floor drains, and all other elements required for new installation.

3. New Return/Relief Fan RF-17 shall be used as a relief fan during demolition of AHU-17. Ductwork for this fan should be installed from the chase connection to exterior wall with fitting for return air installed and blanked off for temporary service during demolition.

4. Existing supply air ductwork at AHU-17 shall be removed to allow connections from AHU-18 supply ductwork to temporarily serve the entire building from AHU-18 as indicated on the plans. Once this temporary service is in place, demolition of AHU-17 may begin. Removal of the existing air handling unit and ductwork shall be through openings in the gable end of the exterior wall.

5. Sections of new air handling units shall be placed into the mechanical attic space through openings in the gable ends of the exterior walls where existing louvers are to be removed. These openings shall be enlarged as necessary to provide for new louver installation after all components of new work have been placed in the attic space.

6. New air handling unit AHU-17 shall be installed and made ready for operation, including connection of ductwork, piping and electrical service. A temporary fitting from AHU-17 supply air shall be installed and temporary supply ductwork reused and extended through the attic space to the chase connection for supply air at AHU-18.

7. New supply and return/relief ductwork shall be connected to new air handling unit to the maximum extent possible before demolition of existing ductwork at the chase. New transitions for supply and return air at the chase shall be completed.

8. New chilled water supply and return piping shall be routed from the pump rooms and made ready for quick connection to piping in the attic space for serving new air handling units. New pumps shall be installed with connections to existing primary chilled water loop piping and hot water supply and return piping.

9. Existing ductwork and piping shall be removed from the chase opening in the attic and preparation made for new duct transitions into chase. Existing hot water and steam piping to be reused and new chilled water piping shall be made ready for connection to new chilled water piping and for the extension of existing piping to new air handling unit coils.

10. Air handling unit shall be verified as operational and made ready for startup with final ductwork and piping connections completed at the unit and at the chase. Controls shall be functional to the point of providing basic system operation for variable air volume operation.

11. After confirming new air handling unit is operational, demolition of remaining unit shall proceed with the removal of existing ductwork and piping not being reused. Existing air-handling unit components shall be disassembled and removed from the attic space, again using openings in exterior walls at existing louver locations.

12. After installation of the new air handling unit and demolition of the existing air handling unit are completed, the second unit replacement shall be accomplished in a similar sequence.

NORTH

PARTIAL ATTIC FLOOR PLAN

MECHANICAL – PHASING

0 2 4 6 8 16

GRAPHIC SCALE (FEET)

CONSTRUCTION DOCUMENTS

Revisions	Date

T V H S NASHVILLE CAMPUS

Tennessee Valley Healthcare System

T V H S MURFREESBORO CAMPUS

TENNESSEE VALLEY HEALTHCARE SYSTEM MURFREESBORO CAMPUS	Drawing Title PHASING PLAN	Project Title REPLACE ATTIC AHU'S BUILDING 6	Date 01/20/2012
Approved: --	Approved: Facility Manager	Building Number 6 / Checked TCT / Drawn SVP	Project No. 626A4-11-204
Approved: --	Approved: Director	Location TVHS – YORK CAMPUS	DRAWING NO. 6 - M 6
			FILE NAME 11027M01

Veterans Administration