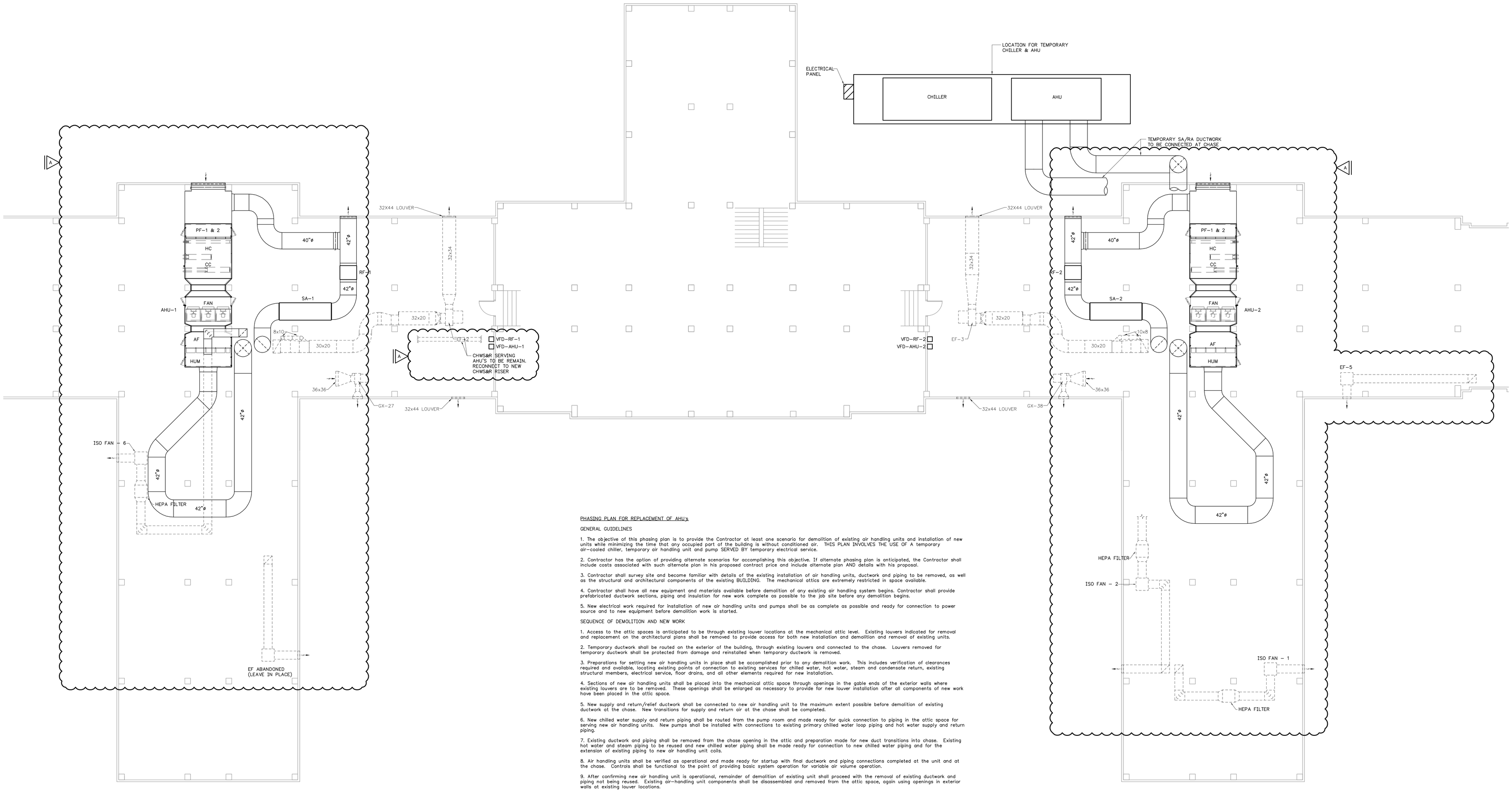

PHASING PLAN FOR REPLACEMENT OF AHU's

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. THIS PLAN INVOLVES THE USE OF A temporary air-cooled chiller, temporary air handling unit and pump SERVED BY temporary electrical service.

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 AND 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 BUILDING. 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. Temporary ductwork shall be routed on the exterior of the building, through existing louvers and connected to the chase. Louvers removed for temporary ductwork shall be protected from damage and reinstalled when temporary ductwork is removed.

3. 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.

4. 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.

5. 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.

6. New chilled water supply and return piping shall be routed from the pump room 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.

7. 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.

8. Air handling units 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.

9. After confirming new air handling unit is operational, remainder of demolition of existing 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.

10. 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

ATTIC FLOOR PLAN
MECHANICAL - PHASING

0 2 4 6 8 16
GRAPHIC SCALE (FEET)

CONSTRUCTION DOCUMENTS

REVISION A - ADDENDUM NO. 1 - 3/21/12

Revisions	Date

TVHS NASHVILLE CAMPUS

Tennessee Valley Healthcare System

TVHS MURFREESBORO CAMPUS

	Drawing Title: PHASING PLAN	Project Title: REPLACE ATTIC AHU'S BUILDING 1	Date: 01/20/2012
Approved: --	Approved: Facility Manager	Building Number: 1 / Checked: TCT / Drawn: SVP	Project No.: 626A4-11-203
Approved: --	Approved: Director	Location: TVHS - YORK CAMPUS	DRAWING NO.: 1-M5
			FILE NAME: 11026M01

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