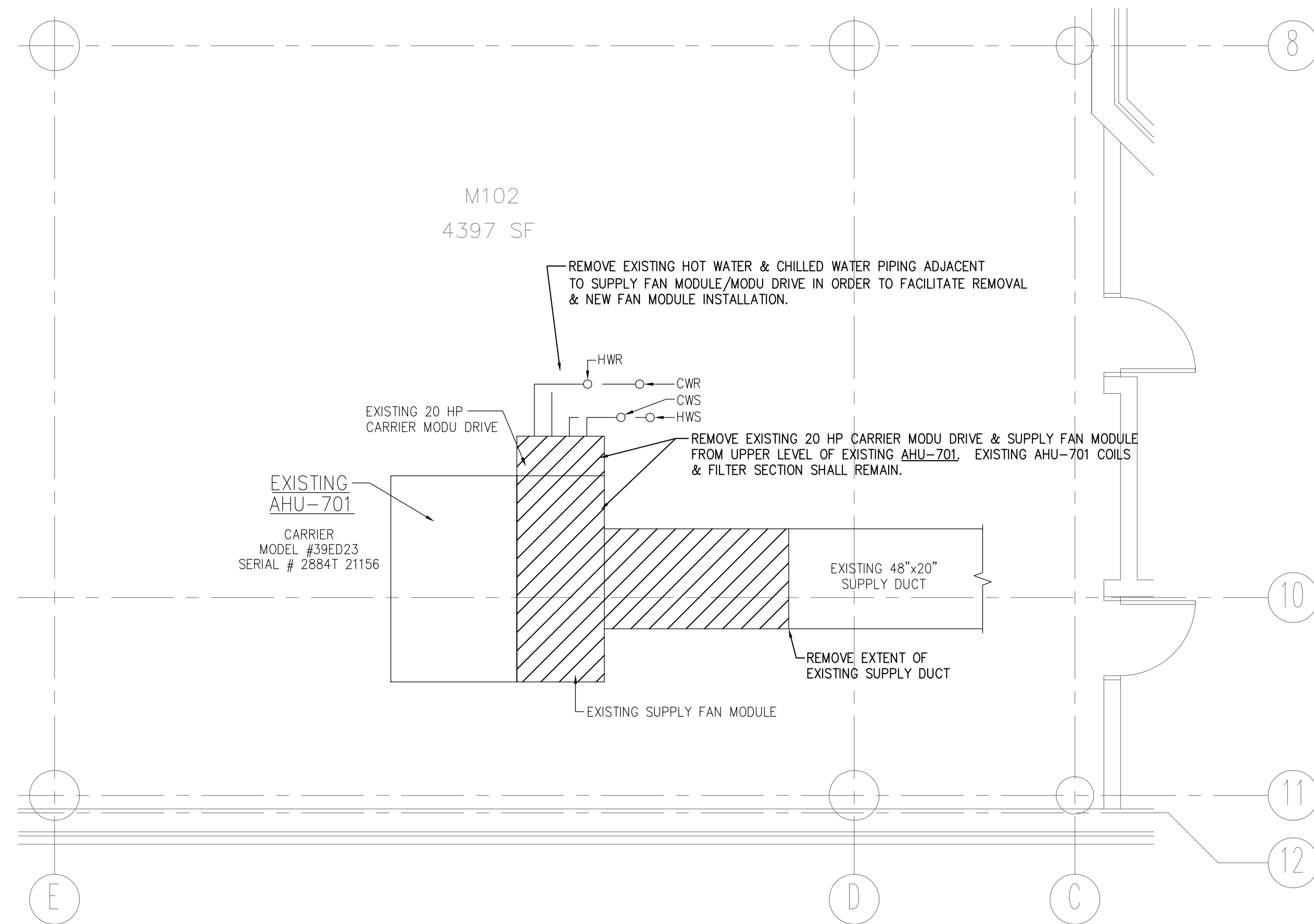
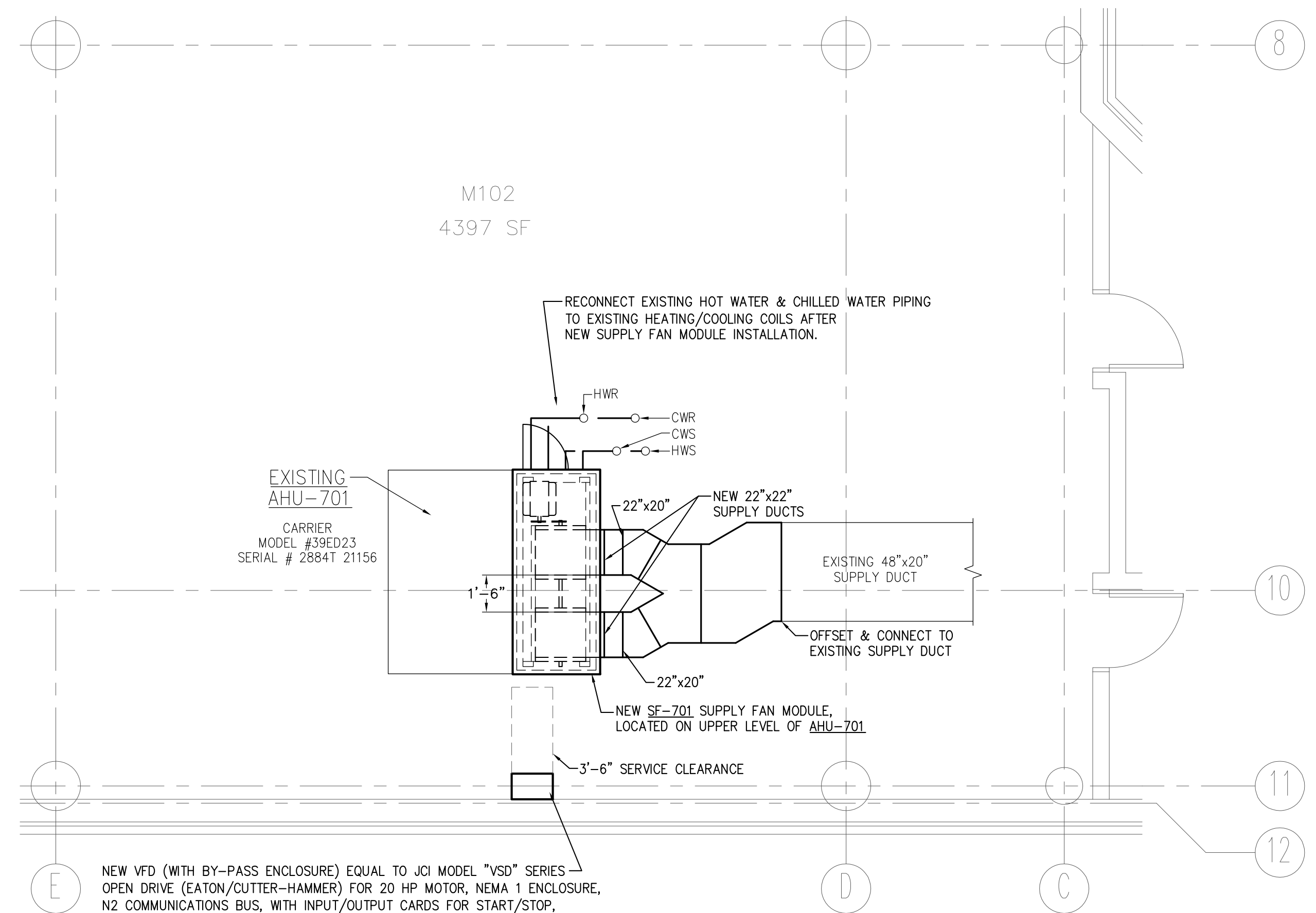


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**DEMOLITION - FIRST LEVEL
PARTIAL HVAC PLAN FOR AHU-701**
SCALE: 1/4" = 1'-0"
ALL WORK SHOWN HATCHED // TO BE REMOVED



**NEW WORK - FIRST LEVEL
PARTIAL HVAC PLAN FOR AHU-701**
SCALE: 1/4" = 1'-0"
ALL NEW WORK SHOWN IN **BOLD**

MECHANICAL SPECIFICATIONS

Scope of Work

The work covered by these specifications and supplementary plans include the installation of a complete heating, air conditioning and/or ventilation system for solid building according to all local and state laws, codes and ordinances.

It shall be the responsibility of the contractor to install a complete and operating system according to the true intent and meaning of these specifications and plans.

It shall be the responsibility of the contractor to visit the job site and familiarize himself with existing conditions. No extras will be allowed because of additional work or changes in plans required by existing site conditions unless same is brought to the owner's attention prior to awarding of the contract.

It shall be the responsibility of the contractor to point out any omissions or errors in the drawing and specifications that would prevent the installation of a complete HVAC system.

Equipment

It is the intent of these specifications and plans to describe the quality of equipment and materials, physical arrangement, function and desired results, and not to limit competition or preclude materials or equipment other than that specified. However, that specified or comparable as judged by the owner and approved in writing by him, is the minimum which will be accepted.

All equipment shall be completely factory assembled and tested and shall include all components necessary for its installation and proper operation.

All equipment shall be installed with sufficient access and clearance for maintenance, repair and replacement and shall be installed with proper supports and vibration eliminators.

Protect all materials and equipment from damage during storage at the site and throughout the construction period.

After the completion of the work, clean the exterior surfaces of all systems and equipment included in mechanical contractors' work.

The contractor shall be responsible for the work damaged by him.

Ductwork

All ductwork and fittings shall be constructed of G-90 galvanized steel and installed in accordance with the latest ASHRAE guide or SMACNA manuals. All ductwork shall have a smooth interior and all joints sealed.

All ducts shall have sections "cross-braken" and shall be installed with necessary stiffeners to insure ducts against vibrating and breathing.

Duct 25" or smaller in maximum dimensions shall be supported with 1/8" flat band hangers. Duct 25" and larger to be supported by 3/4" x 1 1/2" angle iron and round rods. Supports to be no more than 8' on center properly fastened and placed to building structure and extended and riveted to the bottom of the duct.

Cleaning

After the building is ready for operation, contractor shall clean all construction dirt from all machinery, switches, ducts, grilles, etc.

Wiring

Contractor shall provide and install all material required for the control and power wiring of the HVAC equipment. All work will be performed by a licensed contractor and according to the local and state codes and ordinances and according to the National Electrical Codes 1981.

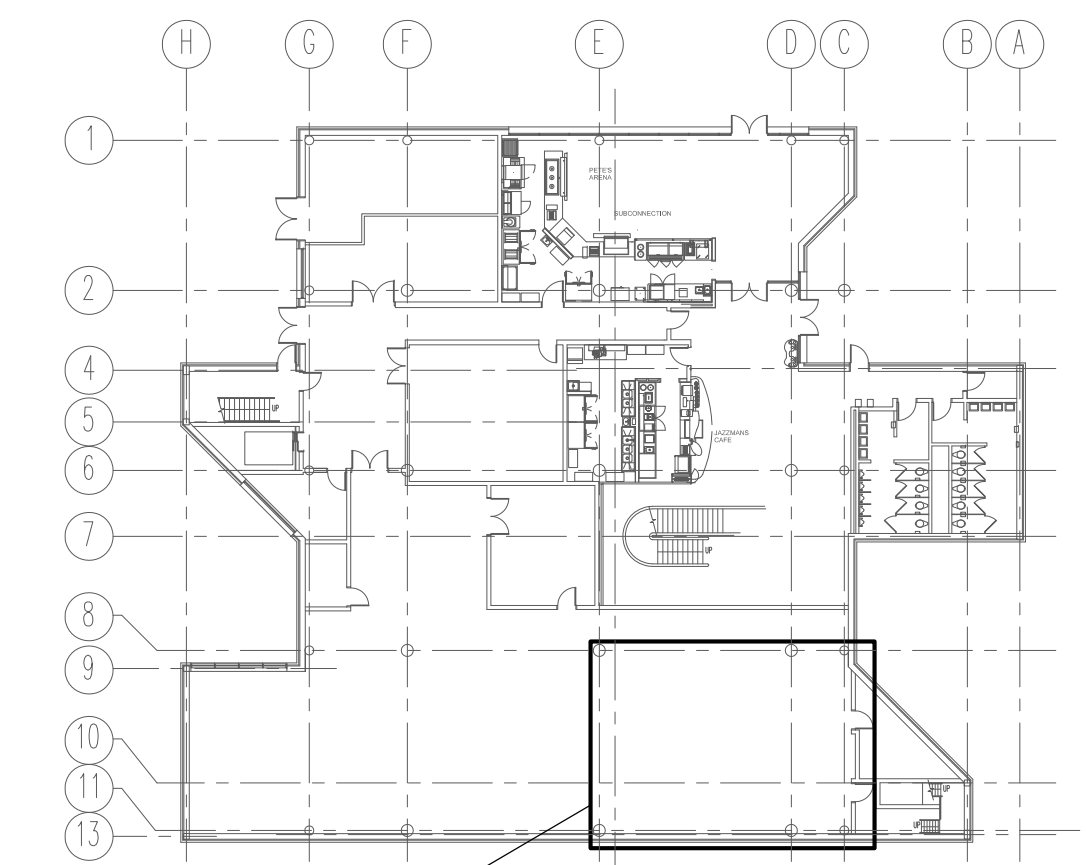
Warranty

Contractor shall warranty that all labor and material furnished is free from defect for a period of one year after the final inspection.

SUPPLY FAN MODULE SCHEDULE								
UNIT NO.	CARRIER/AIR ZONE INT'L MODEL NO.	CFM TOTAL	FAN RPM	T.S.P. INCHES	FAN BREAK HP	H.P.	VOLTAGE	REMARKS
SF-701	HDT 35 AF	16,000	2035	3.50	14.64	20	460/3/60	SEE NOTES #1-#5

- NOTES:**
- 2" DOUBLE WALL CASING.
 - DUAL FAN WHEELS.
 - REMOVABLE LIFTING LUGS.
 - 22" WIDE FAN ACCESS DOOR.
 - "TWIN CITY" MODEL TCF 18 SUPPLY FAN.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
HWS	HEATING WATER SUPPLY PIPING
HWR	HEATING WATER RETURN PIPING
CWS	CHILLED WATER SUPPLY PIPING
CWR	CHILLED WATER RETURN PIPING



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**UPSTATE SMITH BUILDING
DEFERRED MAINTENANCE
SPARTANBURG, SOUTH CAROLINA**

DESIGN JCP	DRAWN TMI
CHECKED JCP	
DATE 1/27/12	
PROJECT NO. PERITUS #110201	
SHEET M-1	
1 OF 1 SHEETS	

NO.	DATE	BY	DESCRIPTION
A	1/27/12	JCP	OWNER REVIEW

REVISIONS