

HVAC FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

- DEMOLITION NOTES**
- 1. REMOVE ALL HANGERS, VAN, TRIM, AND ALL MATERIALS AS SHOWN BY DASHED LINES. REMOVE ALL HANGERS, VAN, TRIM, AND ALL MATERIALS AS SHOWN BY DASHED LINES. REMOVE ALL HANGERS, VAN, TRIM, AND ALL MATERIALS AS SHOWN BY DASHED LINES.
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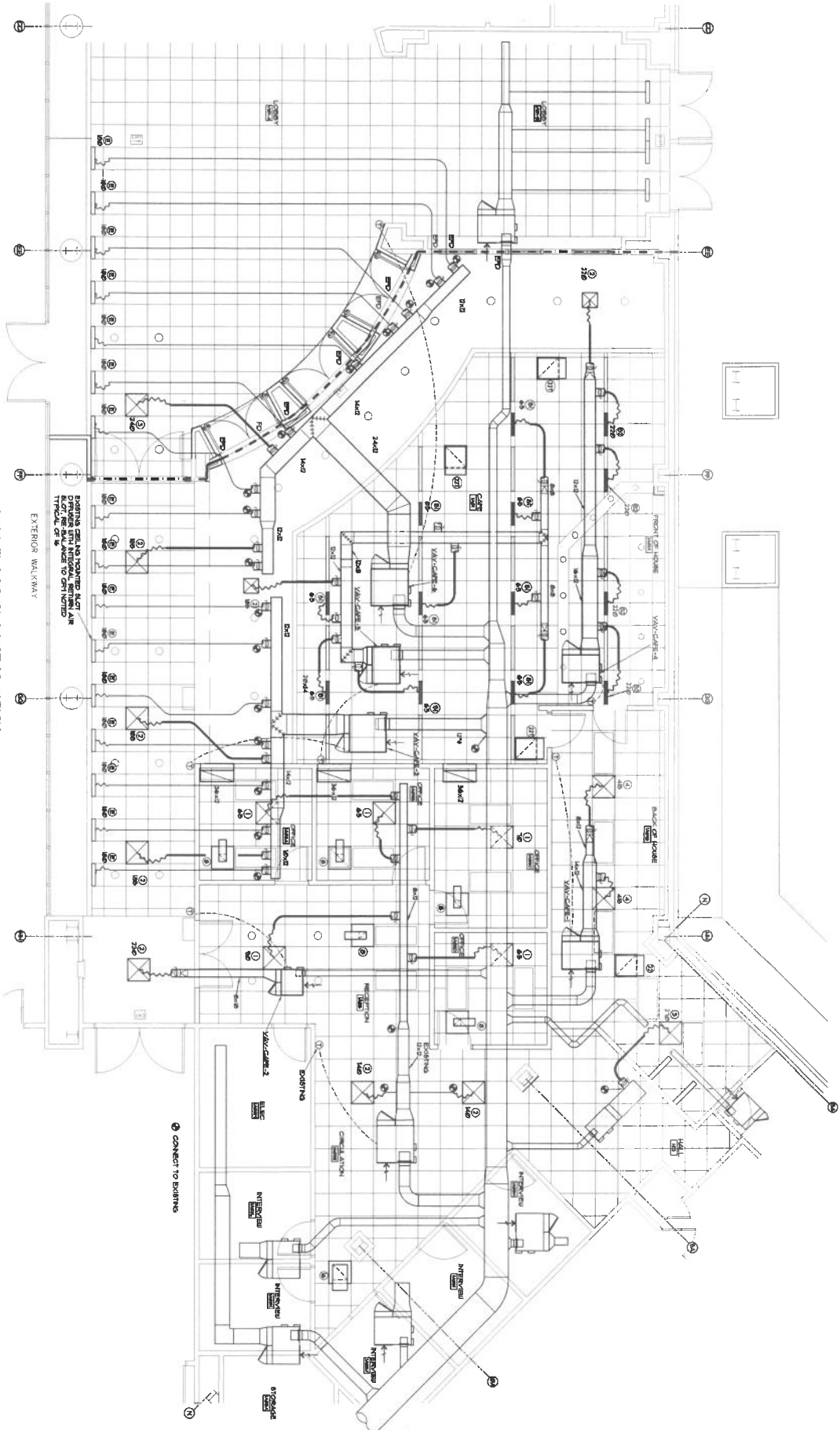


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**FOODSERVICE RENOVATIONS FOR
SWEARINGEN ENGINEERING CENTER**
UNIVERSITY OF SOUTH CAROLINA
Columbia, S. C.

Project No.	16-001
Client	University of South Carolina
Architect	Fant Architectural Service, Inc.
Engineer	Mechanical Design Inc.
Contract No.	16-001
Revision	1
Date	03/18/18



HVAC FLOOR PLAN RENOVATION
SCALE: 1/4" = 1'-0"

EXISTING CEILING HUNG LIGHT DIFFUSERS WITH INTERIOR TERMINALS TYPICAL OF 8'

CONNECT TO EXISTING



MECHANICAL DESIGN, INC.
CONTRACT: Danny Mills
DATE: 10/18/16

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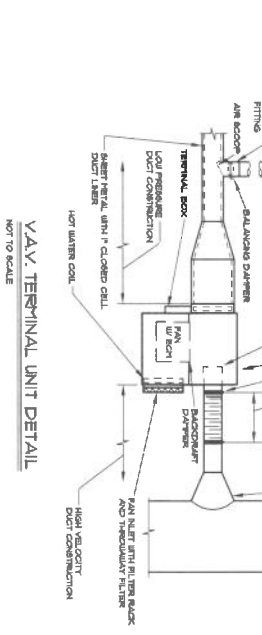
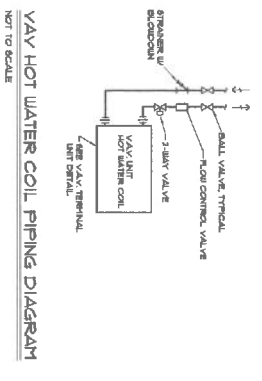
Fant Architectural Service, Inc.
3830 Landmark Dr., Suite C, Columbia, SC 29204-6016 / 803.333.7999 F / 803.233.6863 F / 803.333.7878 M / [The@fantarchitect.com](mailto:info@fantarchitect.com)

FOODSERVICE RENOVATIONS FOR SWEARINGEN ENGINEERING CENTER	
UNIVERSITY OF SOUTH CAROLINA	
Columbia, S. C.	
PROJECT NO.	16-001
DATE	10/18/16
DESIGNED BY	DANIEL W. MILLS
CHECKED BY	DANIEL W. MILLS
DATE	10/18/16
SCALE	1/4" = 1'-0"
PROJECT LOCATION	UNIVERSITY OF SOUTH CAROLINA
PROJECT NO.	16-001
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VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE ①②

MARK	TYPE	RIT (1)	AIR VOLUME (3)					NOT WATER HEATING COIL (4)											
			ADJUSTED MINIMUM RETURN	MINIMUM RETURN	MAXIMUM RETURN	MAXIMUM DIRECT	NET CFM	EQ. IN.	MAX. CAP. (7) (8)	EAT. LTV (7) (8)	NET SUIT (7) (8)	NET SUIT (7) (8)	MAX. CAP. (7) (8)	NET SUIT (7) (8)					
VAV-CAL-1	FPM	VAV-0406	640	640	312	312	480	0.25"	10 1/4"	14.6	11	70	94	90	6.8	6.8	6.8	6.8	34"
VAV-CAL-2	FPM	VAV-0406	120	640	308	308	480	0.25"	10 1/4"	14.6	11	70	94	90	6.8	6.8	6.8	6.8	34"
VAV-CAL-3	FPM	VAV-0406	640	640	308	308	480	0.25"	10 1/4"	14.6	11	70	94	90	6.8	6.8	6.8	6.8	34"
VAV-CAL-4	FPM	VAV-0406	120	640	440	440	480	0.25"	10 1/4"	14.6	11	70	94	90	6.8	6.8	6.8	6.8	34"
VAV-CAL-5	FPM	VAV-0406	120	640	308	308	480	0.25"	10 1/4"	14.6	11	70	94	90	6.8	6.8	6.8	6.8	34"
VAV-CAL-6	FPM	VAV-0406	120	640	308	308	480	0.25"	10 1/4"	14.6	11	70	94	90	6.8	6.8	6.8	6.8	34"

1. VOLTAGE AND PHASE SHALL MATCH AVAILABLE ELECTRICAL SERVICE. SEE ELECTRICAL.
2. TERMINAL UNITS SHALL BE SHIELD POWER SOURCE WITH DIRECT DIGITAL CONTROLS.
3. ON BOARD BY TRANE, CARVER, VERLINDEN, FRICK, VALIUM, JOHNSON CONTROLS, INC. OR APPROVED EQUAL.
4. HANGING AIR VALVE RIG LEVEL SHALL NOT EXCEED 24" REGULATED AND DISCHARGED.
5. PROVIDE TERMINAL UNITS WITH FILTER RACK, VARIABLE SPEED CONTROLLER, AND DISCONNECT SWITCH SHALL.
6. BE RATED NOT LESS THAN 50 AMP FOR ELECTRICAL OVERLOADS FOR TYPE REQUIRING.
7. TOTAL TERMINAL UNIT AIR FLOW DURING HEATING = FAN CFM + HEATING AIR CFM RETURN.
8. FAN + HEATING AIR FLOW DURING COOLING = FAN CFM + HEATING AIR CFM RETURN.
9. COIL AND RETURN AIR FLOW DURING HEATING AND COOLING SHALL AS SPECIFIED.



MECHANICAL NOTES

1. DO NOT SCALE DRAWINGS. VERIFY ALL REQUIRED INFORMATION IN FIELD BY VISUALLY CHECKING WORK FOR ACCURACY.
2. OPERATIONS AND MAINTENANCE MANUALS SHALL BE PROVIDED. DUCT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
3. COMPENSATE FOR THE WEIGHT OF THE DUCT AND THE WEIGHT OF THE AIR IT CARRIES.
4. ALL MATERIALS SHALL BE AS SPECIFIED OR APPROVED EQUAL. VERIFY ALL MATERIALS ARE AS SPECIFIED OR APPROVED EQUAL.
5. PROVIDE ALL TYPES OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
6. PROVIDE TYPE ACCESS TO ALL MECHANICAL ITEMS REQUIRING CLEANING OR ACCESS.
7. PROVIDE ALL TYPES OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
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