

1 MECHANICAL PLAN  
M.1 SCALE: 1/8" = 1'-0"

AIR CONDITIONING SCHEDULE

NUMBER	TONS	CARRIER MODEL#	KVA	SEER	CFM	AMP	COMMENTS
AHU-1 COND-1	5	FB4CNF060T00 24ABB360A003	10	13	1750	60 50	MOTORIZED FRESH DAMPER TO INTERLOCK WITH UNIT 10"
AHU-2 COND-2	5	FB4CNF060T00 24ABB360A003	10	13	1750	60 50	MOTORIZED FRESH DAMPER TO INTERLOCK WITH UNIT 10"
AHU-3 COND-3	2.5	FB4CNF030A003 24ABB360A003	8	13	1020	30 25	8" DAMPER
AHU-4 COND-4	5	FB4CNF060T00 24ABB360A003	10	13	1920	60 50	MOTORIZED FRESH DAMPER TO INTERLOCK WITH UNIT 10"
AHU-5 COND-5	5	FB4CNF060T00 24ABB360A003	10	13	1920	60 50	MOTORIZED FRESH DAMPER TO INTERLOCK WITH UNIT 10"

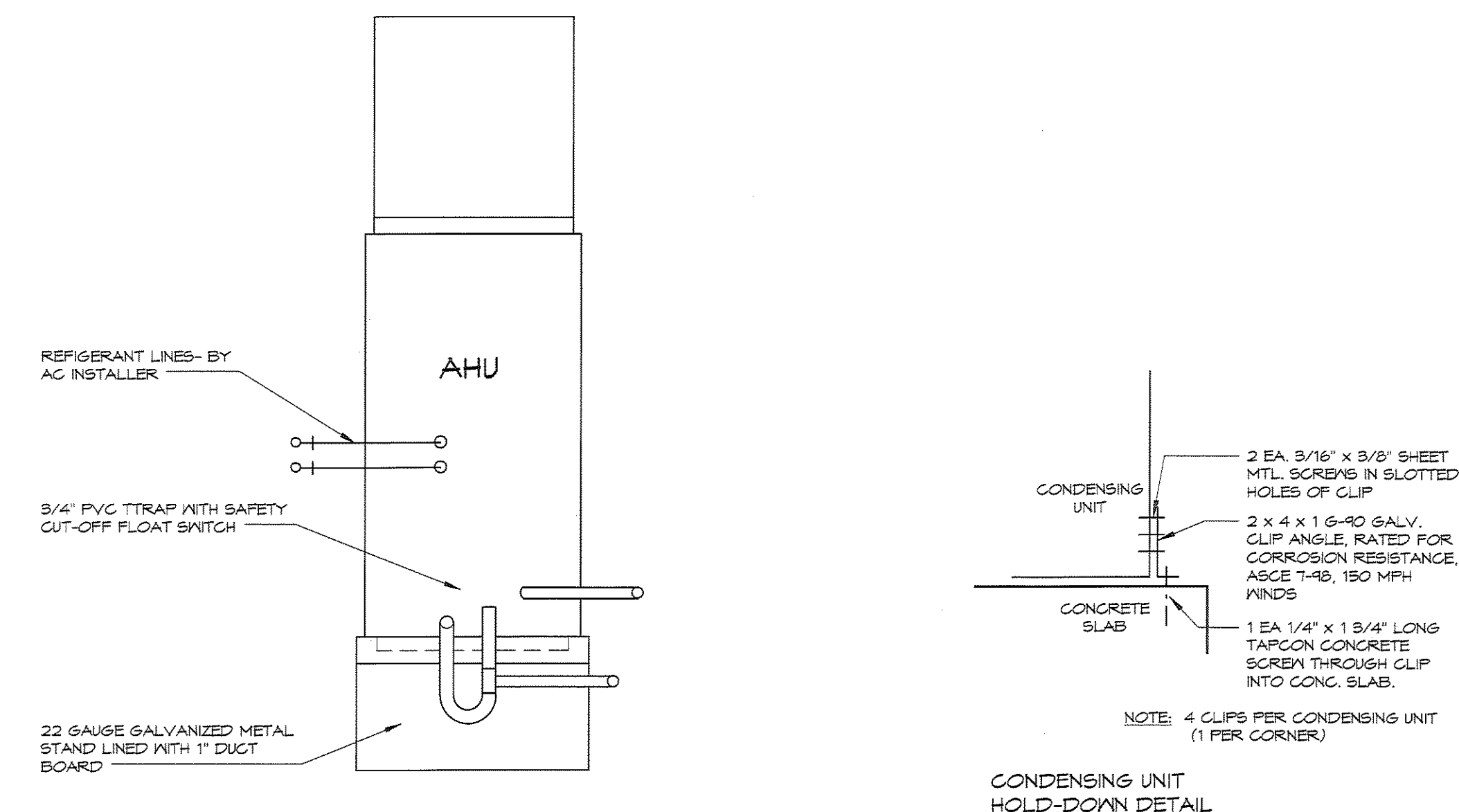
EXHAUST FAN SCHEDULE

AREA	EF	MODEL	VOLT	SONES	CFM @ S.F.	COMMENTS
MEN'S	EF	DAYTON 5AE12	110	1.8	200	ON WITH LIGHT, VENT TO WALL CAP
WOMEN'S	EF	DAYTON 5AE12	110	1.8	200	ON WITH LIGHT, VENT TO WALL CAP

MAKE-UP AIR HOOD ON ROOF 18 x 18

HVAC GENERAL SPECIFICATIONS

THE WORK SHALL INCLUDE FURNISHING OF SYSTEMS, EQUIPMENT, AND MATERIALS SHOWN OR CALLED FOR ON THE DRAWINGS TO INCLUDE SUPERVISION OF OPERATIONS AND LABOR FOR THE FABRICATION, INSTALLATION, START-UP AND TESTS FOR THE COMPLETE MECHANICAL INSTALLATION. DRAWINGS ARE DIAGNOSTIC, INTENDED TO CONVEY THE SCOPE OF THE WORK. BECAUSE OF THE SCALE OF THE DRAWING, CERTAIN BASIC ITEMS SUCH AS FITTINGS, ACCESS PANELS, AND SLEEVES ETC., MAY NOT BE SHOWN. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR SELECTING THE EQUIPMENT TO FIT THE SPACE. PROBLEMS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER IN WRITING IMMEDIATELY. WORK SHALL NOT PROCEED UNTIL THE PROBLEM IS SOLVED. THE MECHANICAL CONTRACTOR SHALL PRIOR TO CONSTRUCTION OR INSTALLATION, COORDINATE WITH THE OTHER APPLICABLE SUB-CONTRACTORS (I.E. PLUMBING AND ELECTRICAL) AS TO WORK SCHEDULES, COMPATIBILITY OF SYSTEMS, POWER REQUIREMENTS, MOTOR STARTERS, TRANSFORMERS, CONTROL WIRING, MAKE-UP WATER, PUMPS, DRAINS (CONDENSATION) ETC. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER IN WRITING IMMEDIATELY. WORK SHALL NOT PROCEED UNTIL THE PROBLEM(S) IS SOLVED. THE MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE ENTIRE SET OF CONSTRUCTION DRAWINGS AND ASSURE HIMSELF OF COMPATIBILITY WITH THE REQUIREMENTS OF THE MECHANICAL DESIGN. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE WHERE WORK IS TO BE PERFORMED. CONTRACTOR SHALL SECURE PERMITS. CONTRACTOR SHALL COORDINATE INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THE SITE. AIR-CONDITIONING INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE EXACT REQUIREMENTS OF THE FLORIDA BUILDING & MECHANICAL CODES OF 2001, INCLUDING CHAPTER 13 FLORIDA ENERGY EFFICIENCY FOR BUILDING CONSTRUCTION, AND INDOOR AIR QUALITY IN FMC 403. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL OR FIBERGLASS DUCT BOARD, PER SMACNA 1" PRESSURE STANDARDS, EXCEPT THAT BRANCH DUCTS SHALL BE EITHER ROUND GALVANIZED STEEL, UL 181 FLEXIBLE DUCT, OR A COMBINATION OF THE TWO. SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH R-8 FLEXIBLE INSULATION EQUAL TO JOHN MANVILLE MICRO-LITE 2" THICK DUCT INSULATION, SEALED WITH RGD #8 PER CODE. ALL EXHAUST DUCT TO BE UNINSULATED SHEET METAL PER CHAPTER 13, FMC 410.1 ABCD, 2'-1/2". ALL DUCT TRUNK LINES TO BE SUPPORTED BY GALVANIZED STRAPS AND GALVANIZED "V" CHANNEL AND / OR ALL-THREAD ROD AS REQUIRED. ADHERE TO DRAWINGS AS CLOSELY AS POSSIBLE; MECHANICAL CONTRACTOR MAY VARY RUN AND SHAPE OF DUCTS IF REQUIRED TO AVOID STRUCTURAL OR OTHER INTERFERENCES. ALL REFRIGERANT SUCTION LINES TO HAVE 1/2" WALL "ARMARFLEX" INSULATION, (55F OR OVER) ALL ELEVATED AIR HANDLERS TO HAVE AUXILIARY DRAIN PAN WITH SEPARATE DRAIN LINE, OR A SWITCH TO SHUT OFF THE COMPRESSOR IF WATER IS SENSED. ALL ELEVATED AIR HANDLERS TO BE HUNG WITH ALL-THREAD ROD AND ANGLE IRON. COMPONENT HEIGHTS ARE SHOWN, THIS NET HEIGHT IS AS FURNISHED BY FACTORY SPECIFICATIONS. THE GENERAL CONTRACTOR SHALL VERIFY PROPER SUPPORT AND / OR SUSPENSION SYSTEMS WITH THE STRUCTURAL ENGINEER. ALL CONDENSATE PIPING SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND UNLESS OTHERWISE NOTED, TO THE NEAREST RETENTION BASIN.



REVISIONS

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**MECHANICAL PLAN**  
**VINCE CARTER SANCTUARY - PHASE 2**  
301 JUSTICE LANE  
BUNNELL, FLORIDA 32110

PLT#:	- 02295.00
DATE:	- 10 NOV 11
DRN BY:	- RNS
DGN BY:	- DMB
REV BY:	- DMB
SCALE:	- As Indicated

M 1