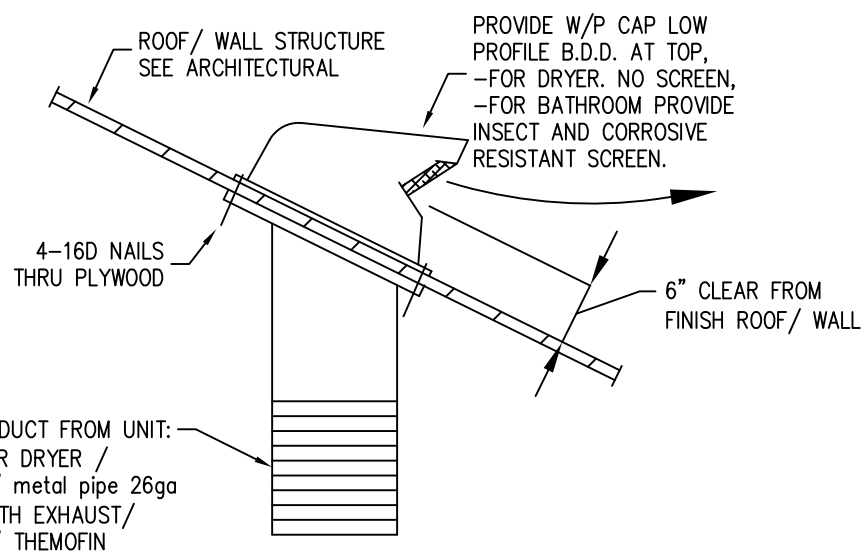


**SPLIT SYSTEM AIR HANDLING UNIT & CONDENSING UNIT SCHEDULE**

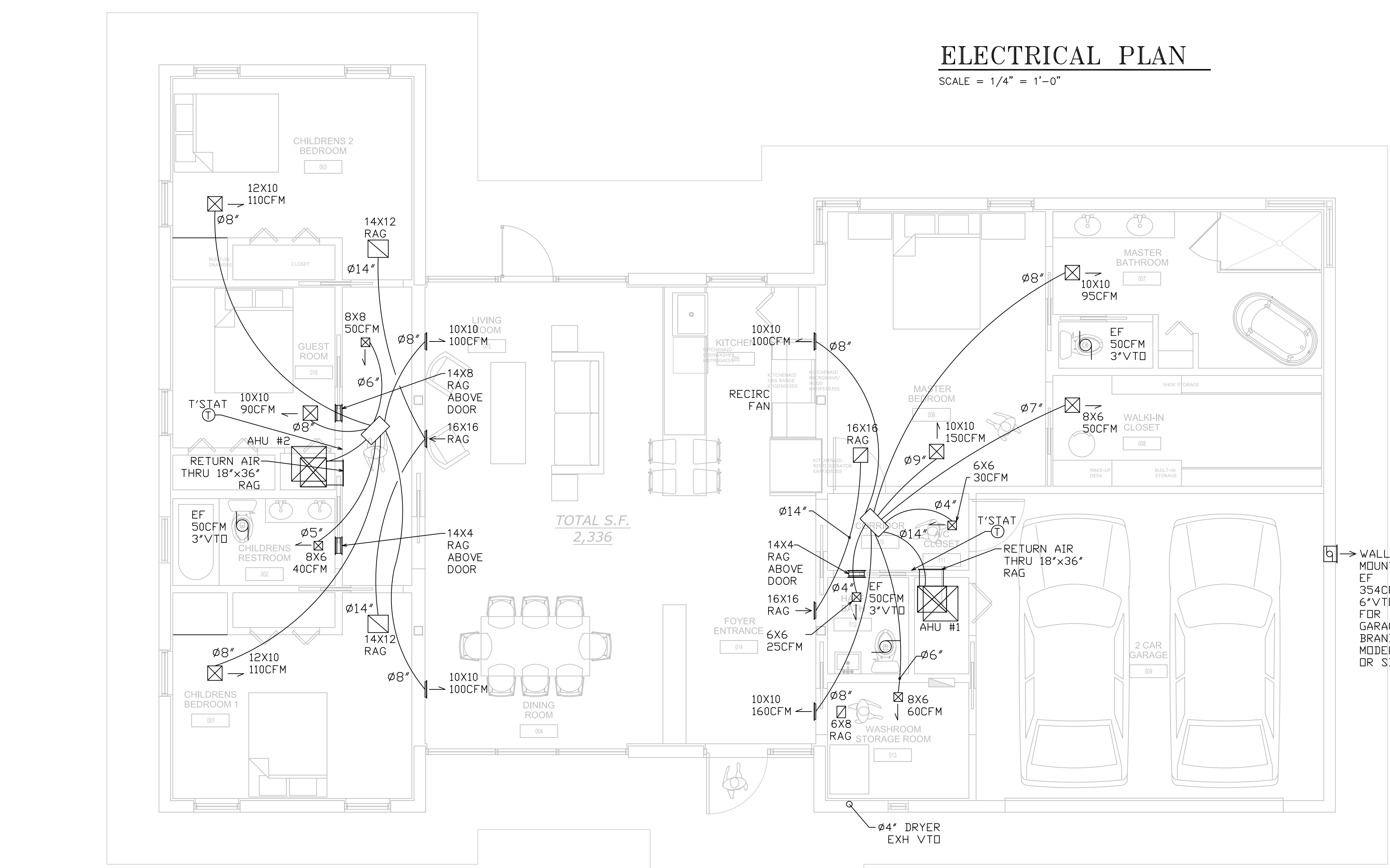
PLAN MARK	CU-1/AHU-1	CU-2/AHU-2
SERVING	RESIDENCE	RESIDENCE
MANUFACTURER	CARRIER	CARRIER
TON	1.5	1.5
SEER	16	16
CU MODEL NUMBER	24ABC618-3	24ABC618-3
AHU MODEL NUMBER	FX4DNF019	FX4DNF019
CFM	600 @ 0.5"	600 @ 0.5"
REFRIGERANT	R-410A	R-410A
AMBIENT	95	95
CAP (MBH) @ 80/67(TC/SC)	18.0/12.8	18.0/12.8
CAP (MBH) @ 75/62(TC/SC)	16.7/12.3	16.7/12.3
<b>CONDENSING UNIT DATA:</b>		
COMPRESSOR QTY/TYPER	1-SCROLL	1-SCROLL
COMPRESSOR 1 RLA-LRA	9.0-48.0	9.0-48.0
COND. FAN FLA-HP	0.5-1/12	0.5-1/12
MCA	11.8	11.8
MOCP	20	20
DIMENSIONS (LxWxH) IN	26x26x29	26x26x29
STD WEIGHT (LBS)	125	125
<b>AHU DATA:</b>		
EVAP. FAN FLA-BHP	2.8-1/3	2.8-1/3
HEATER KW	5	5
MCA	26	26
MOCP	30	30
DIMENSIONS (LxWxH) IN	22x18x50	22x18x50
STD WEIGHT (LBS)	122	122
REF. TUBES O.D. (IN):	3/4	3/4
SUCTION LINE	3/4	3/4
LIQUID LINE	3/8	3/8



TYPICAL ROOF/WALL CAP DETAIL  
@ DRYER AND/OR TOILET EXH.  
N.T.S.

**NOTES:**  
 -DUCT LOCATIONS MAY CHANGE DUE TO FIELD CONDITIONS  
 -DUCTWORK IN UNCONDITION SPACE SHALL BE R=6.0  
 -DUCTWORK IN CONDITION SPACE SHALL BE R=4.0  
 -UNDERCUT 1 INCH ALL INTERIOR DOORS.  
 -A.H.U. TO HAVE COND DRAIN FLOAT SWITCH INSTALL AT SECONDARY DRAIN LINE TO STOP A.H.U. IN THE EVENT OVERFLOW.  
 -PIPING AND FITTING FOR REFRIGERANT VAPOR (SUCTION) LINES SHALL BE INSULATED WITH INSULATION HAVING A THERMAL RESISTIVITY OF AT LEAST R-4 AND HAVING EXTERNAL SURFACE PERMEANCE NOT EXCEEDING 0.05 PERM WHEN TESTED IN ACCORDANCE WITH ASTM E 96

Domestic Dryer Models	Number of Turns	Best Performance	
		A 4' Opening	B 2-1/2' Opening
Super & Extra-Large 6.0 Capacity Models All Electric Dryers	0 1 2 3 4	90ft 60ft 45ft 35ft 25ft	60ft 45ft 35ft 25ft 15ft
Super & Extra-Large 6.0 Capacity Models All Gas Dryers	0 1 2 3	45ft 35ft 25ft 15ft	30ft 20ft 10ft
Extra-Large 5.7 Capacity Electric All Gas Dryers	0 1 2 3 4	60ft 40ft 44ft 35ft 24ft	48ft 30ft 32ft 24ft 16ft
Spacemaker® Models DSKS433EA VSM2780V	0 1 2 3	46ft 38ft 31ft 24ft	37ft 30ft 22ft 15ft
Spacemaker® Model DSKP233EV	0 1 2 3	43ft 33ft 23ft	36ft 26ft 16ft
Spacemaker® Model VSM2700V	0 1 2 3	56ft 46ft 34ft 24ft	42ft 36ft 28ft 18ft
Spacemaker® Models VSM2420T VSM2480T	0 1 2	43ft 33ft 23ft	36ft 26ft 16ft



**ELECTRICAL PLAN**  
SCALE = 1/4" = 1'-0"

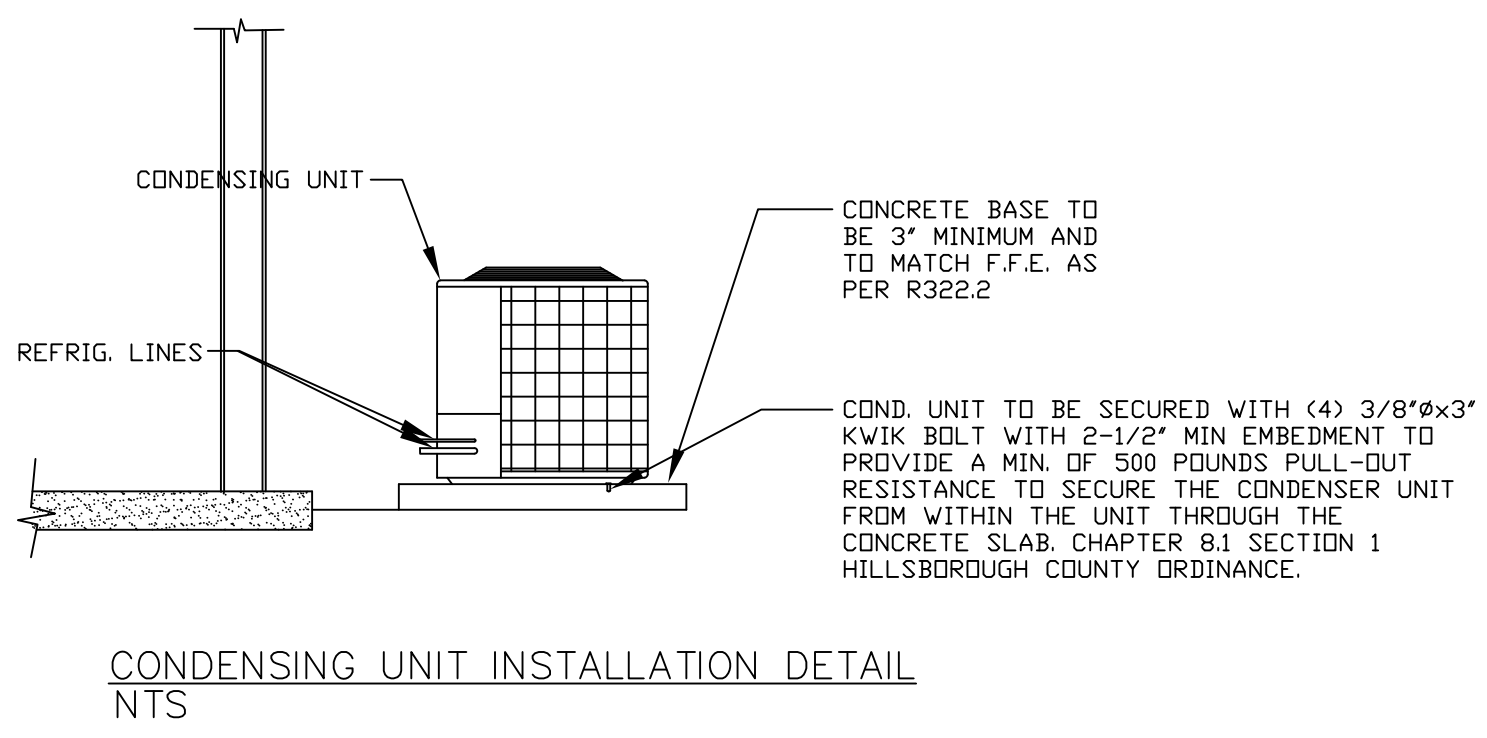
**CALCULATIONS BASED ON:**

CEILING INSULATION	R-30
EXTERIOR ICF WALL	R-30 to R-36
PROJECT LOCATION	HILLSBOROUGH COUNTY

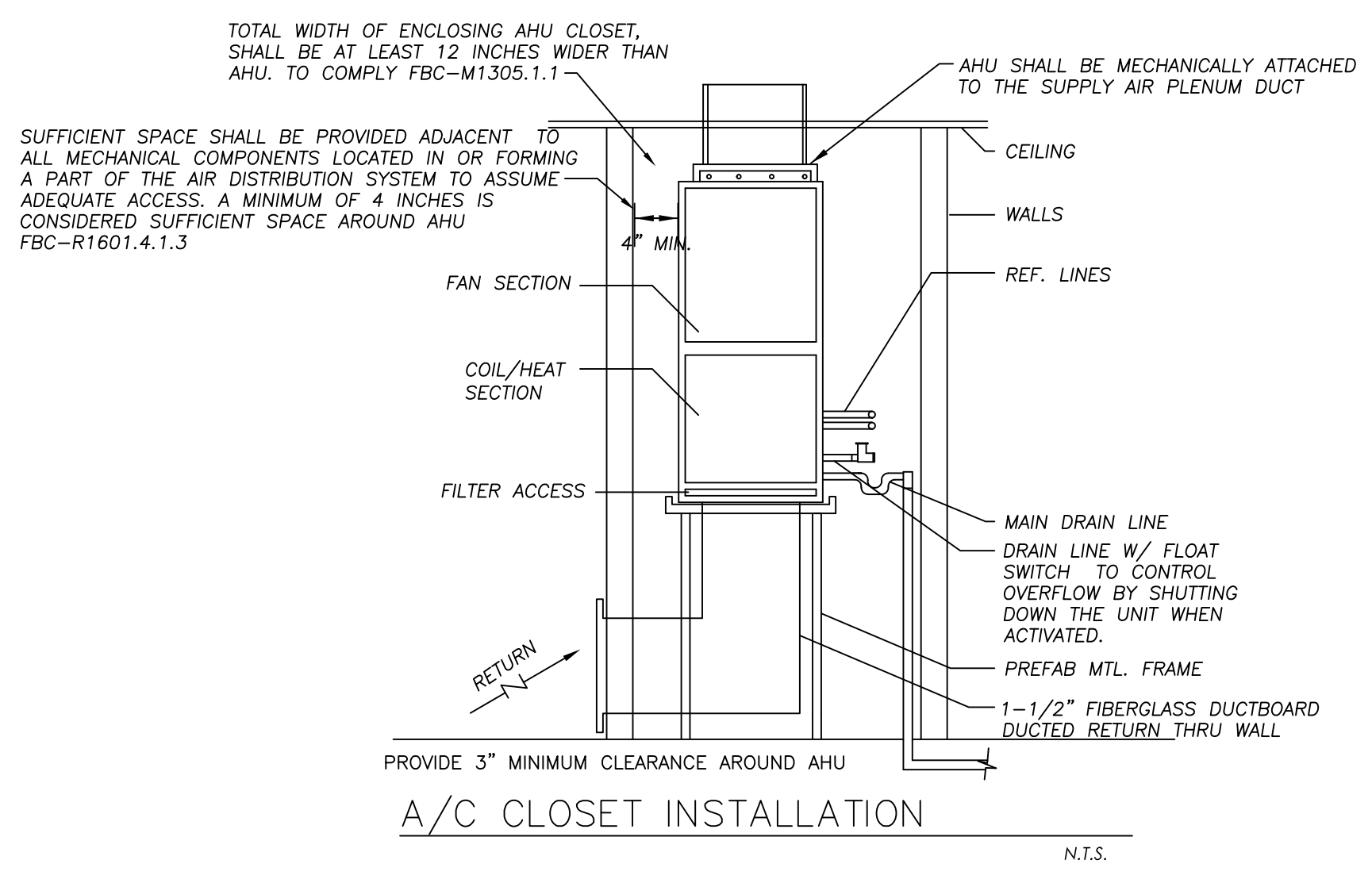
**ENERGY VALUES:**  
 WINDOWS:  
 U-FACTOR = 1.10  
 SHGC = 0.5  
 WALL INSULATION = R-5  
 ATTIC INSULATION = R-30

**FBC R806.2**  
 THE MINIMUM NET FREE VENTILATION AREA SHALL BE 1/150 OF THE AREA OF THE VENTED SPACE.  
 RESIDENCE LIVING AREA 1793 SQFT  
 NET FREE VENTILATION AREA 1/150  
 1793/150=11.95 SQFT.  
 11.95SQFT X 144=1720.8SQIN  
 IF EACH PENETRATION IS 20"x4":  
 20"x 4"=80SQIN.  
 1720.8SQIN/80SQIN=21.51;  
 22 PENETRATION ON BLOCKED PERIMETER.

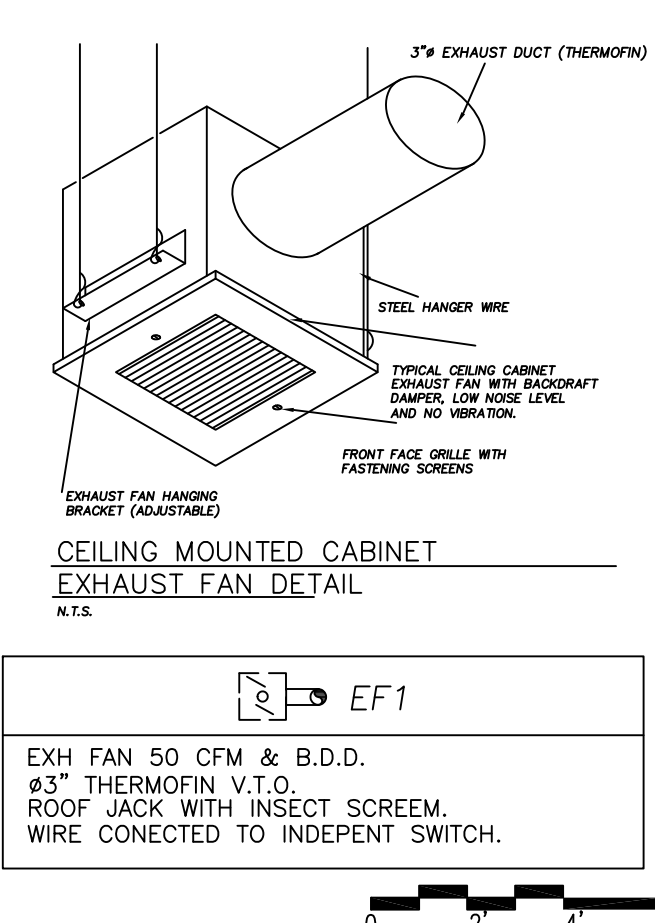
HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER(S)/ RADIANT		X
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X
PROGRAMMABLE THERMOSTAT	X	



CONDENSING UNIT INSTALLATION DETAIL  
N.T.S.

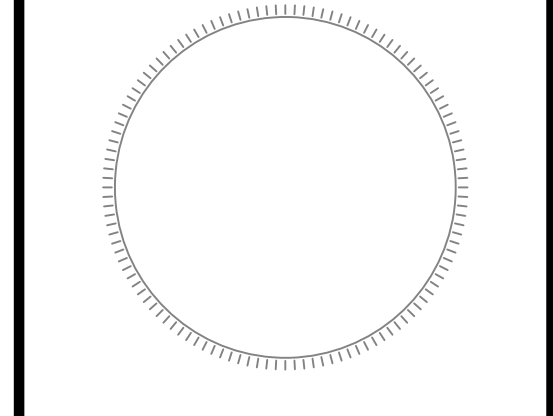


A/C CLOSET INSTALLATION  
N.T.S.



CEILING MOUNTED CABINET  
EXHAUST FAN DETAIL  
N.T.S.

**CHARLES E. CULPEPPER JR.**



REGISTERED PROFESSIONAL ENGINEER  
 STATE OF NEW YORK LICENSE No. 15-066511  
 STATE OF ILLINOIS LICENSE No. 062-043107  
 STATE OF FLORIDA LICENSE No. 14203

**CARTER RESIDENCE**  
 FOLIO#: 0639291000  
 SEFFNER, FL 33584

OWNER:  
**ERIN CARTER**  
 3524 GRAND MAGNOLIA PL  
 VALRICO, FL 33596-9114

**REVISIONS**

ISSUE	ISSUE DATE/FOR

PROJECT No: 1605 DRAWN BY: SETOFPLANS.COM  
 SCALE: CHECKED BY: DHIER  
 DATE: 07/25/2018  
 SHEET No: **M-1**