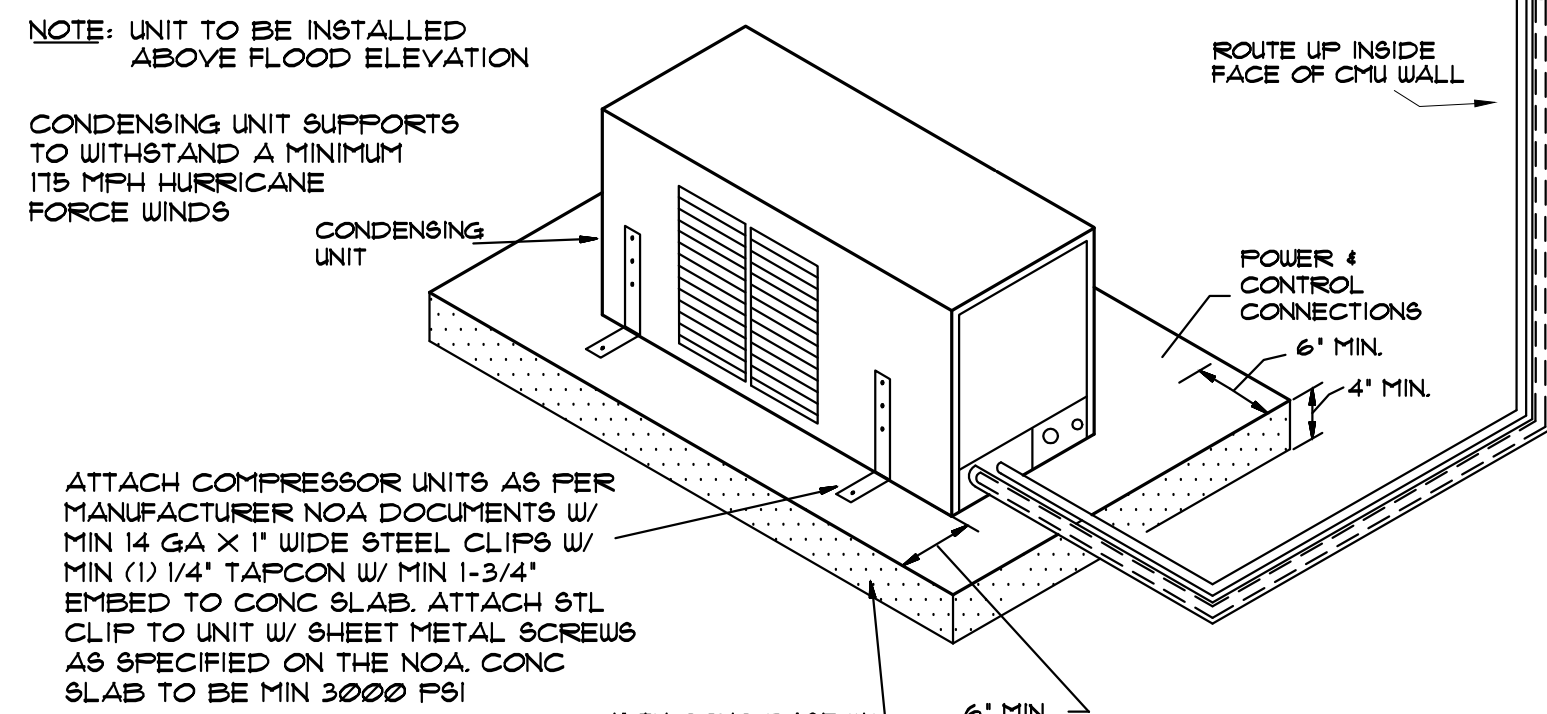


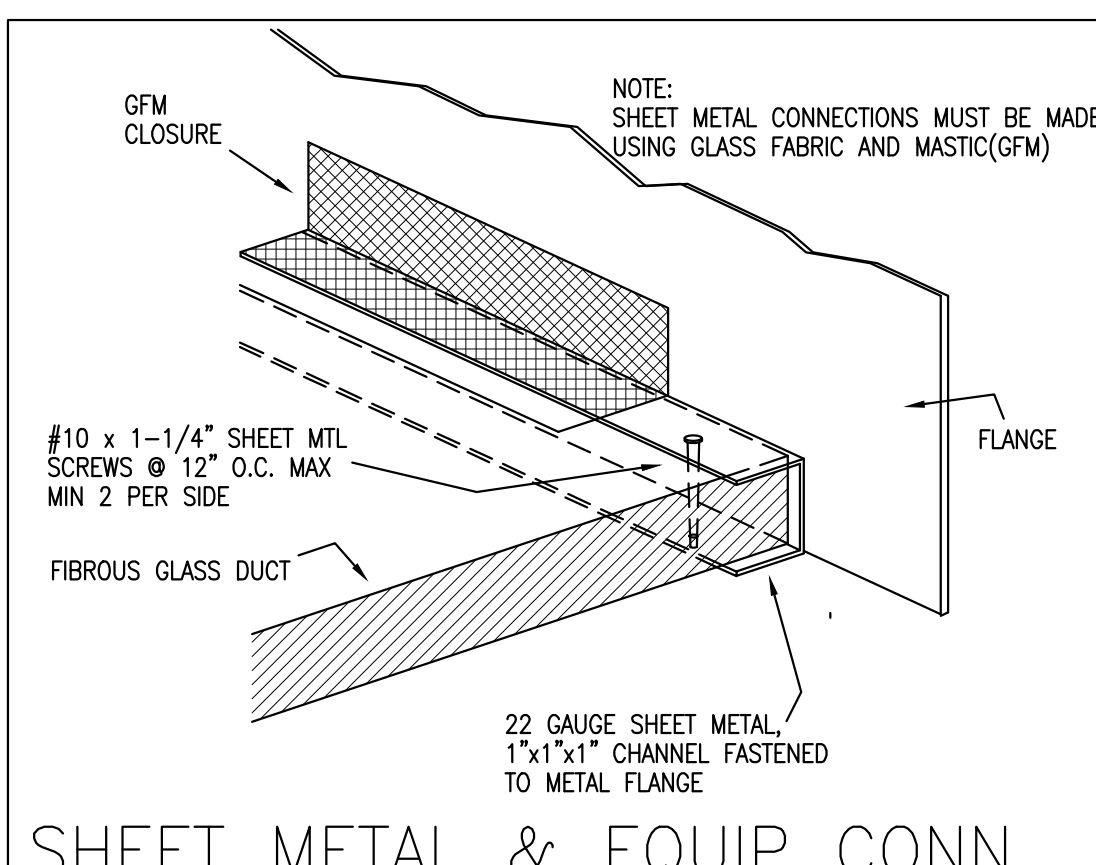
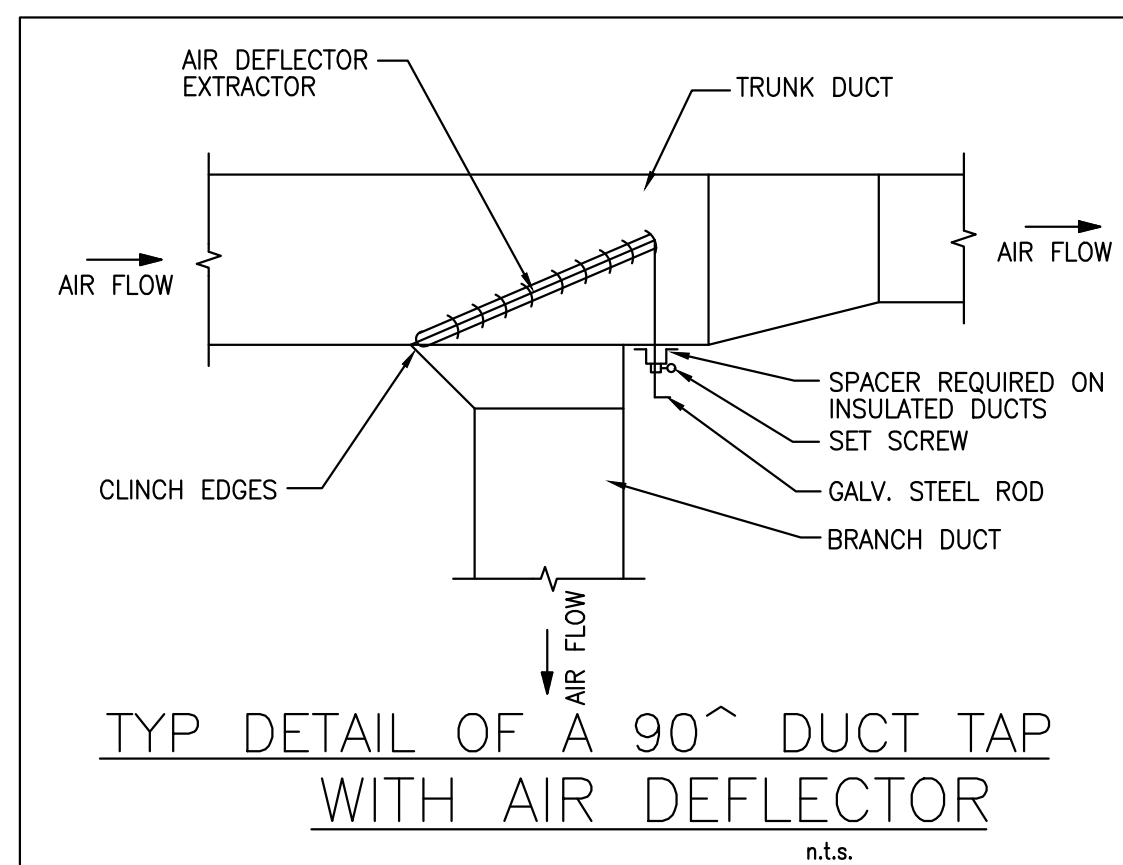
AIR CONDITIONING GENERAL NOTES.

- 1.- THIS JOB REQUIRES A VERY THOROUGH COORDINATION BETWEEN ALL TRADES AND THE CONTRACTOR SHALL COORDINATE THE INSTALLATIONS OF THE DIFFERENT TRADES AND NOTIFY THE ARCHITECT IF ANY CONFLICTS OCCUR BEFORE INSTALLATIONS BEGIN.
- 2.- THE CONTRACTOR SHALL NOT FABRICATE ANY DUCTWORK PRIOR TO VERIFICATION OF ROUTING, SIZES AND AVAILABLE SPACE.
- 3.- CONTRACTOR SHALL FURNISH WRITTEN GUARANTEE THAT ALL WORK SHALL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- 4.- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE AND ALL LOCAL CODES HAVING JURISDICTION; NFPA 90 A & B, ASHRAE GUIDE AND SMACNA'S DUCT CONSTRUCTION STANDARDS.
- 5.- ALL SUPPLY & RETURN FIBROUS GLASS DUCTWORK TO BE CONSTRUCTED IN ACCORDANCE WITH SMACNA'S STANDARDS FOR LOW PRESSURE DUCTS. ALL JOINTS AND SEAMS TO BE SEALED WITH 4" TAPE (PERMACELL #691AF).
- 6.- ALL DUCTS TO HAVE MIN R-6 INSULATION VALUE.
- 7.- ALL FLEXIBLE DUCT RUNOUTS SHALL BE FLEXIBLE INSULATED DUCTWORK REINFORCED WITH A WIRE HELIX, PERMANENTLY BONDED WITHIN FABRIC, INSULATED, AND WITH A VAPOR BARRIER OF ALUMINUM METALIZED POLYESTER FILM LAMINATED TO GLASS MESH. WIREMOLD COMPANY OR APPROVED EQUAL.
- 8.- AIR DISTRIBUTION DEVICES ALL ALUMINUM CONSTRUCTION WITH OPPOSED BLADE DAMPERS AND EQUALIZING GRID. BARBER COLMAN, TITUS, CARNES, TUTTLE AND BAYLEY.
- 9.- PROVIDE PROGRAMMABLE THERMOSTAT. COORD LOCATION WITH ARCHITECT BEFORE INSTALLING.
- 10.- EXHAUST FANS - CAPACITIES AS CALLED FOR ON SCHEDULE. ALUMINUM CONSTRUCTION, DIRECT DRIVE, BACK DRAFT DAMPER, ALUMINUM BIRD SCREEN, SAFETY SWITCH.
- 11.- ALL REFRIGERATION PIPING TO BE COPPER TYPE "K" HARD DRAWN WITH SWEAT AND WROUGHT COPPER FITTINGS.
- 12.- SUCTION REFRIGERATION LINES SHALL HAVE THERMAL RESISTIVITY OF AT LEAST R-4 AND HAVING AN EXTERNAL PERMEANCE NOT EXCEEDING 0.05 PERM WHEN TESTED IN ACCORDANCE WITH ASTM E 96.
- 13.- PROVIDE ALL NECESSARY CONTROLS FOR THE OPERATION OF THE A/C SYSTEM.
- 14.- VOLTAGES SHOULD BE VERIFIED PRIOR TO ANY INSTALLATION.
- 15.- TEST & BALANCE TO BE PERFORMED BY AN INDEPENDENT TEST AND BALANCE AGENCY, ADJUST DAMPERS AND FANS TO OBTAIN AIR QUANTITIES WITHIN 5% OF THOSE INDICATED ON THESE DRAWINGS. OBTAIN FULL LOAD AMPS READINGS FOR ALL MOTORS AT BALANCED CONDITIONS. RECORD OUTDOOR AND INDOOR DRY AND WET BULB TEMPERATURES AT BALANCED. SUBMIT ALL TEST AND BALANCE REPORTS TO OWNER FOR APPROVAL.



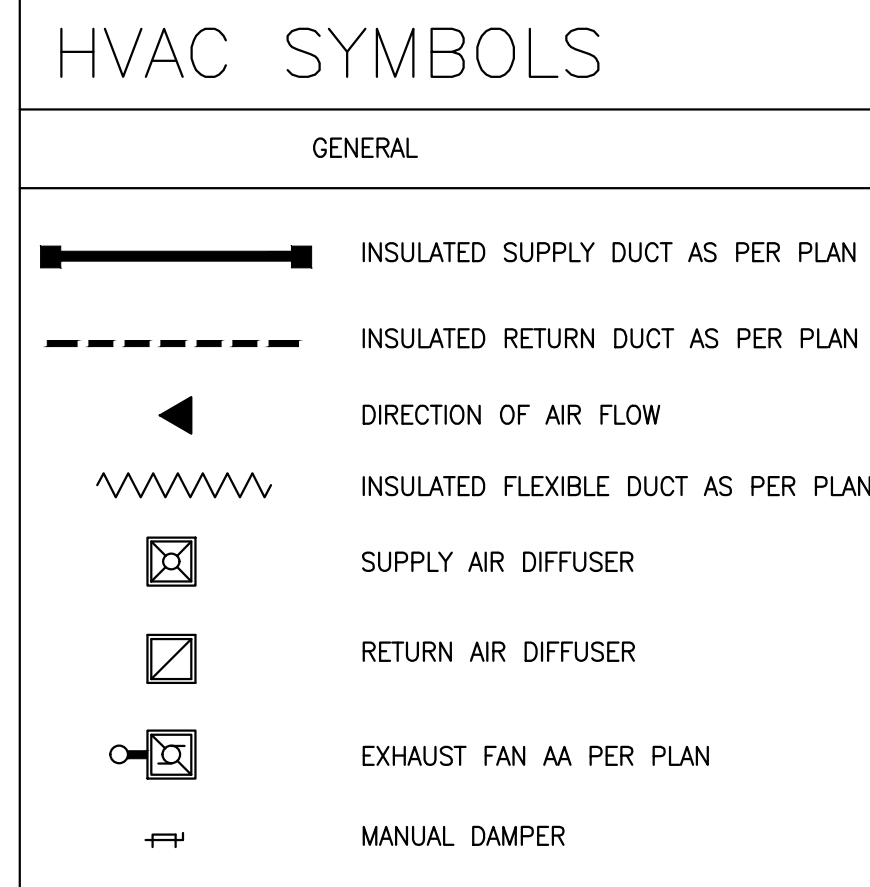
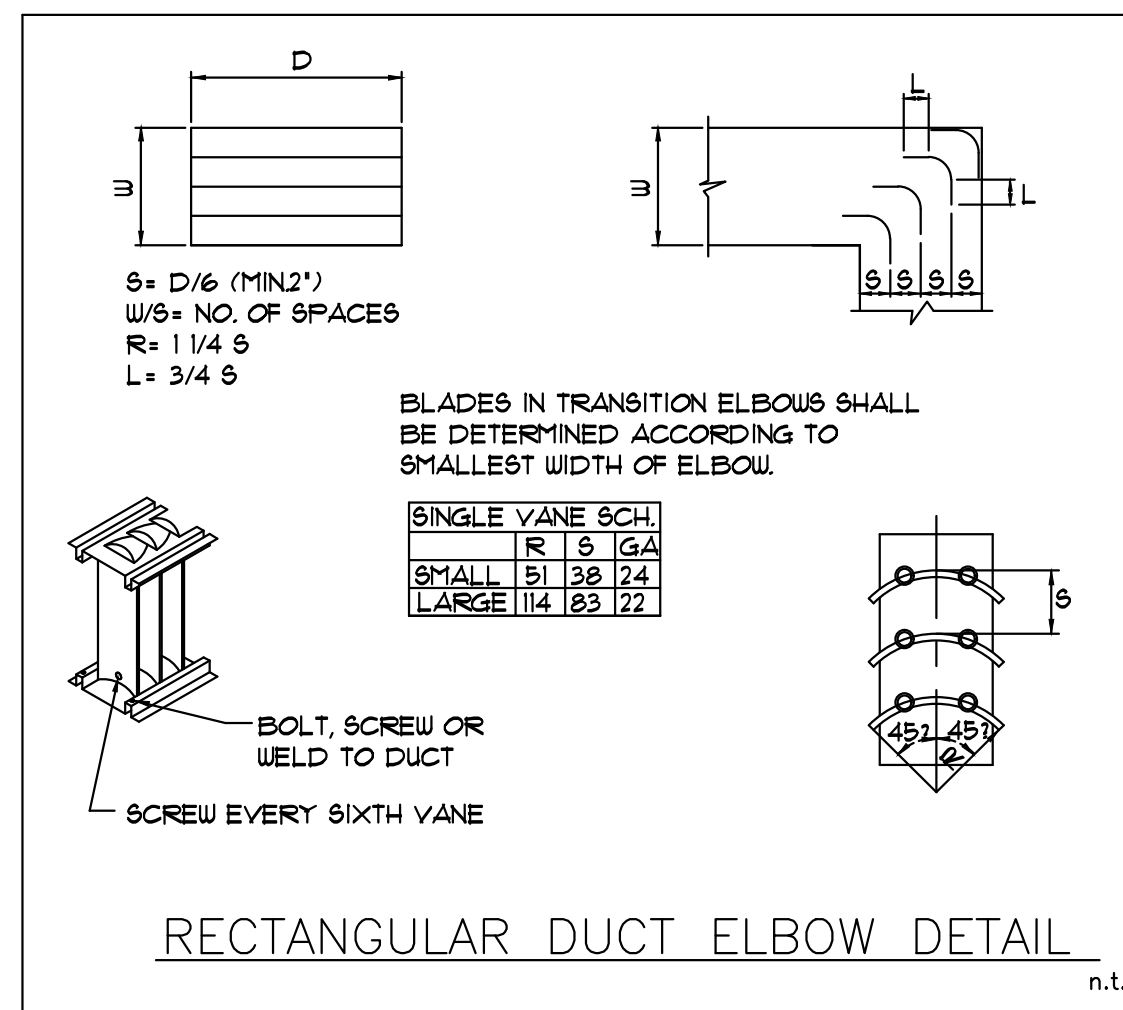
WINE COOLING UNIT

N.T.S.



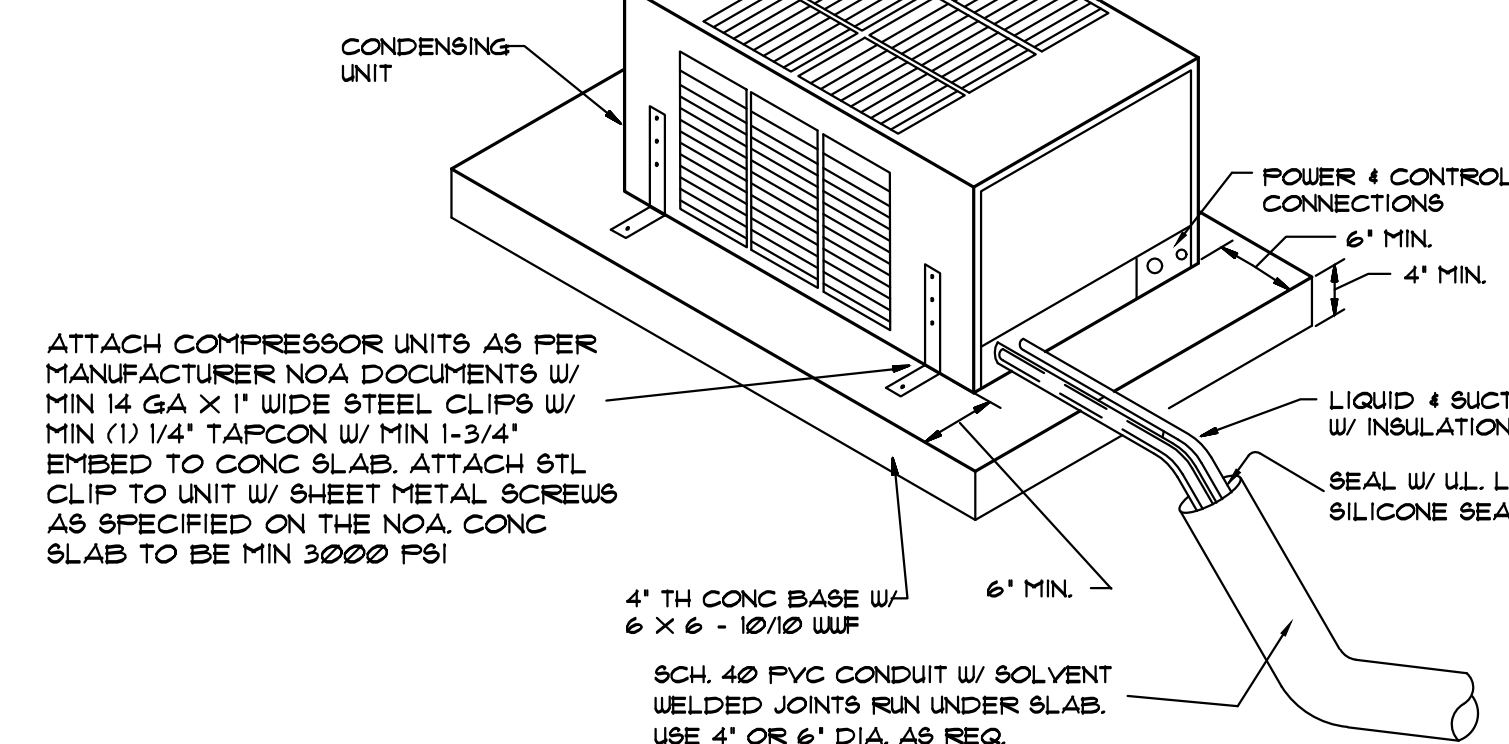
A/C EQUIPMENT SCHEDULE

UNIT DESIGNATION	NEW AHU-1/CU-1	NEW AHU-2/CU-2	NEW AHU-3/CU-3	NEW AHU-4/CU-4	NEW AHU-5/CU-5	NEW AHU-6/CU-6
AREA SERVED	1ST FL SEE PLAN	1ST FL SEE PLAN	1ST FL SEE PLAN	2ND FL SEE PLAN	2ND FL SEE PLAN	GUEST QUARTERS
TOTAL COOLING CAPACITY, MBH	56.0	46.5	34.8	46.5	34.8	34.8
SENSIBLE COOLING CAPACITY, MBH	47.6	39.5	29.5	39.5	29.5	29.5
AIR SUPPLY (CFM)	1800	1450	1125	1450	1125	1125
OUTSIDE AIR, CFM (MINIMUM)	N/A	N/A	N/A	N/A	N/A	N/A
No. OF MOTORS - HP (MINIMUM)	1 - 1/3	1 - 1/3	1 - 1/4	1 - 1/3	1 - 1/4	1 - 1/4
ELECTRIC HEATER (KW) / STAGE(S)	9.6-1	9.6-1	7.5-1	9.6-1	5-1	5-1
ELECTRICAL SERVICE AVAILABLE	240-1-60	240-1-60	240-1-60	240-1-60	240-1-60	240-1-60
F.L. AMPS	3.5	5.1	3.5	5.1	3.5	3.5
No. OF MOTORS - HP	1 - 1/2	1 - 1/3	1 - 1/8	1 - 1/3	1 - 1/8	1 - 1/8
F.L. AMPS	21.8	18.0	13.4	18.0	13.4	13.4
MINIMUM CIRCUIT AMP / MAXIMUM FUSE	50/50	45/45	30/30	45/45	30/30	30/30
SEER	16.0	16.0	16.0	16.0	16.0	16.0
REFRIG LINES SUCTION (IN)-LIQUID (IN)	7/8" - 3/8"	7/8" - 3/8"	3/4" - 3/8"	7/8" - 3/8"	3/4" - 3/8"	3/4" - 3/8"
DESIGN MANUFACTURER	RHEEM	RHEEM	RHEEM	RHEEM	RHEEM	RHEEM
AIR HANDLER MODEL NO.	RH3VZ6024STACN	RH3VZ4821STACN	RH3VZ3617STACN	RH3VZ4821STACN	RH3VZ3617STACN	RH3VZ3617STACN
CONDENSING UNIT MODEL NO.	RA16AZ60AJ3	RA16AZ48AJ3	RA16AZ36AJ3	RA16AZ48AJ3	RA16AZ36AJ3	RA16AZ36AJ3
NOTES	①	①	①	①	①	①
ACCESSORIES						
① PROVIDE FACTORY FURNISHED ELECTRIC HEATER WITH SINGLE POINT CONNECTION.						



NOTE: UNIT TO BE INSTALLED ABOVE FLOOD ELEVATION

BOLT CONDENSING UNIT TO SUPPORTS TO WITHSTAND 175 MPH HURRICANE FORCE WINDS



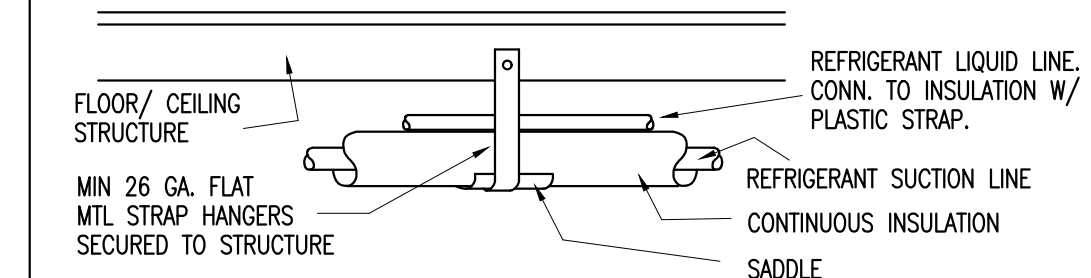
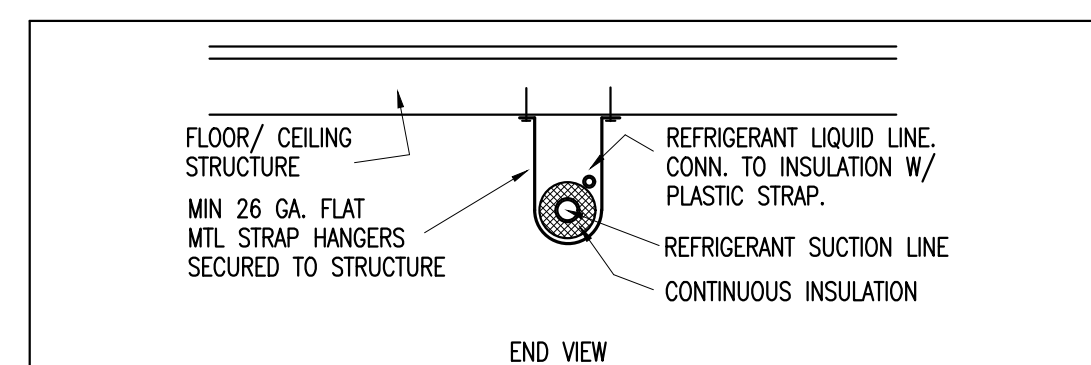
COND. UNIT FASTENING DETAIL/ REFRIGERANT PIPING

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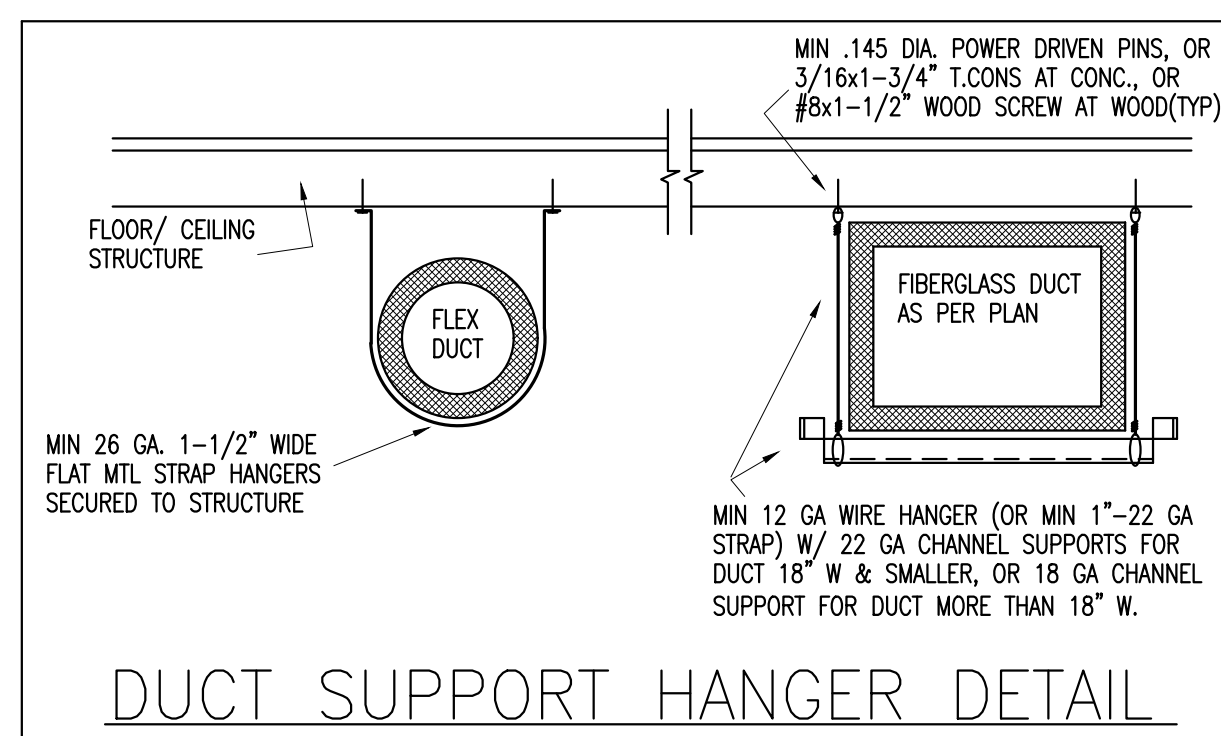
FAN SCHEDULE

FAN NO.	ALL BATH EXHAUST FANS	EF-1	EF-2	EF-3	EF-4
AREA SERVED					
LOCATION	CEILING	CEILING	CEILING	CEILING	CEILING
MOTOR TYPE	CONDENSER	CONDENSER	CONDENSER	CONDENSER	CONDENSER
FAN RPM	1200	1200	1200	1200	1200
C.F.M.	50	80	100	150	
STATIC PRESS.	0.125	0.125	0.125	0.125	
TYPE DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	
H.P. (MOTOR)	60 WATTS	60 WATTS	60 WATTS	60 WATTS	
ELECT. CHA. (MOTOR)	120/1/60	120/1/60	120/1/60	120/1/60	
MANUFACTURER	PANASONIC	PANASONIC	PANASONIC	PANASONIC	
MODEL NO.	FV-0511VQ1	FV-0511VQ1	FV-0511VQ1	FV-1115VQ1	
DUCT DIA.	4" DIA	4" DIA	4" DIA	6" DIA	

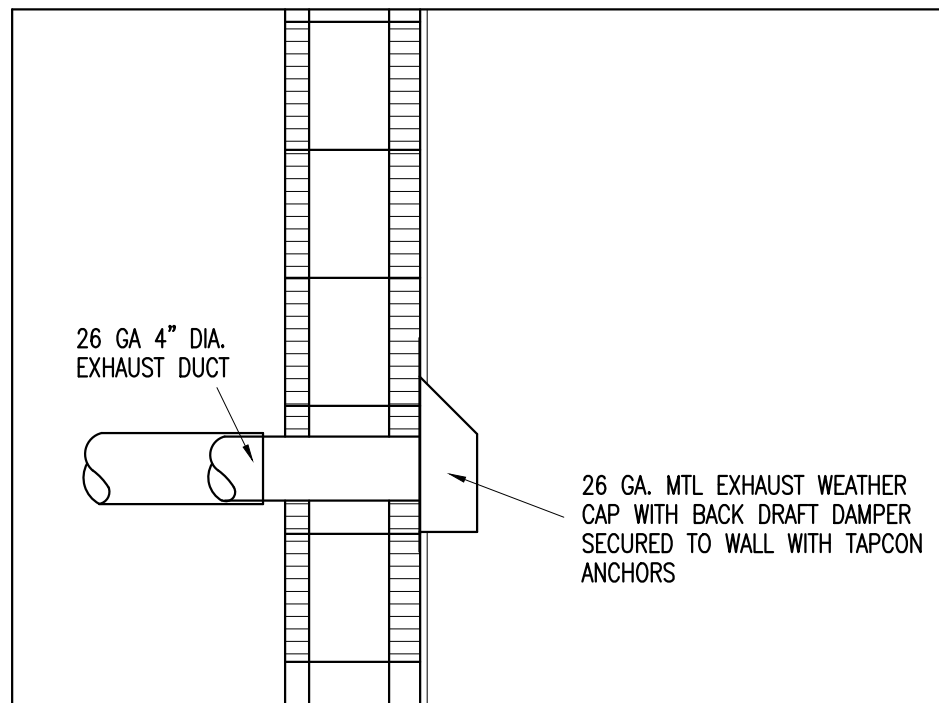
HVAC DESIGN REQUIRES:	YES	NO
DUCT SMOKE DETECTOR		✓
FIRE DAMPER(S)		✓
SMOKE DAMPER(S)		✓
FIRE RATED ENCLOSURE		✓
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		✓
FIRE STOPPING		✓
SMOKE CONTROL		✓



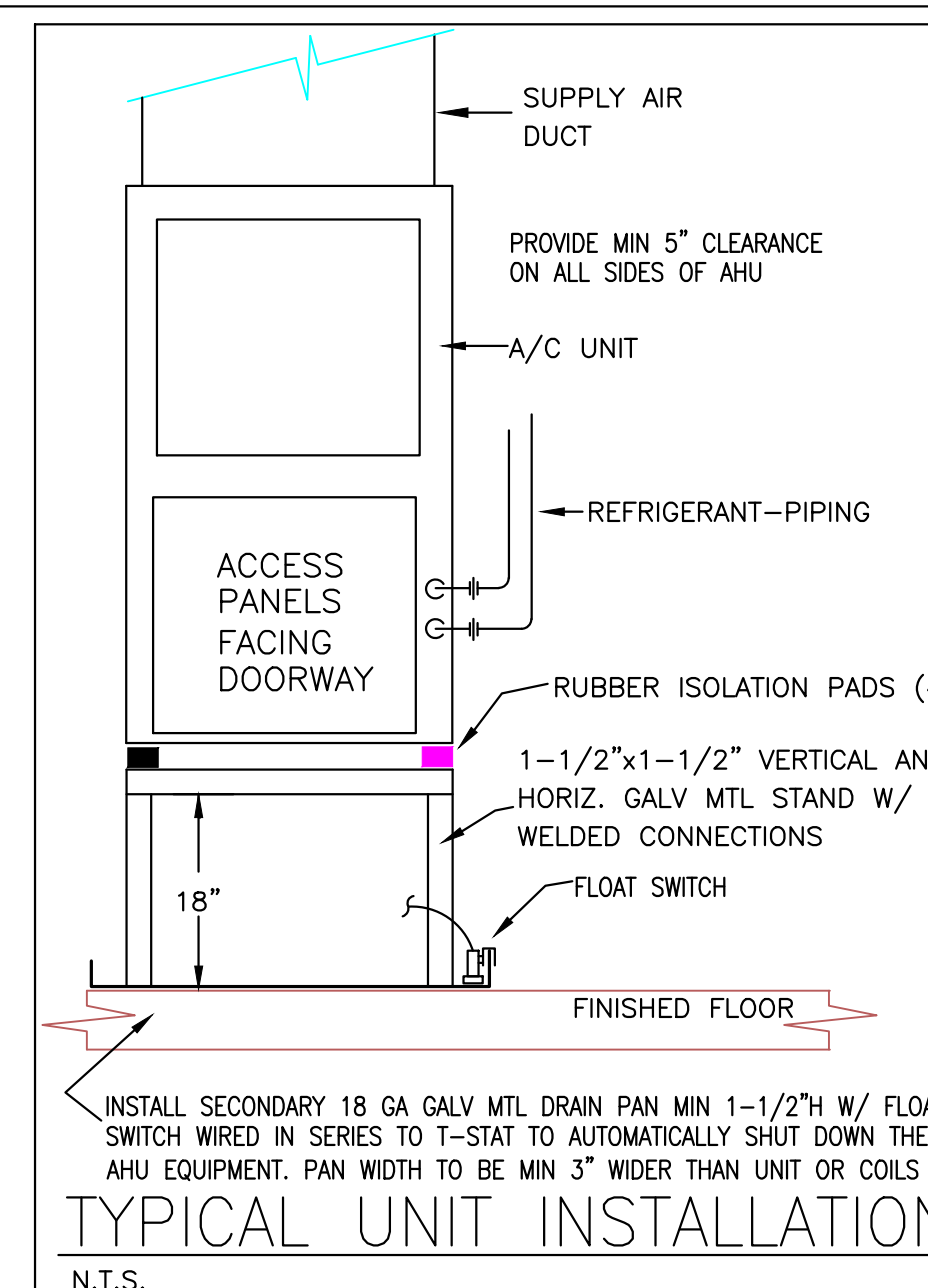
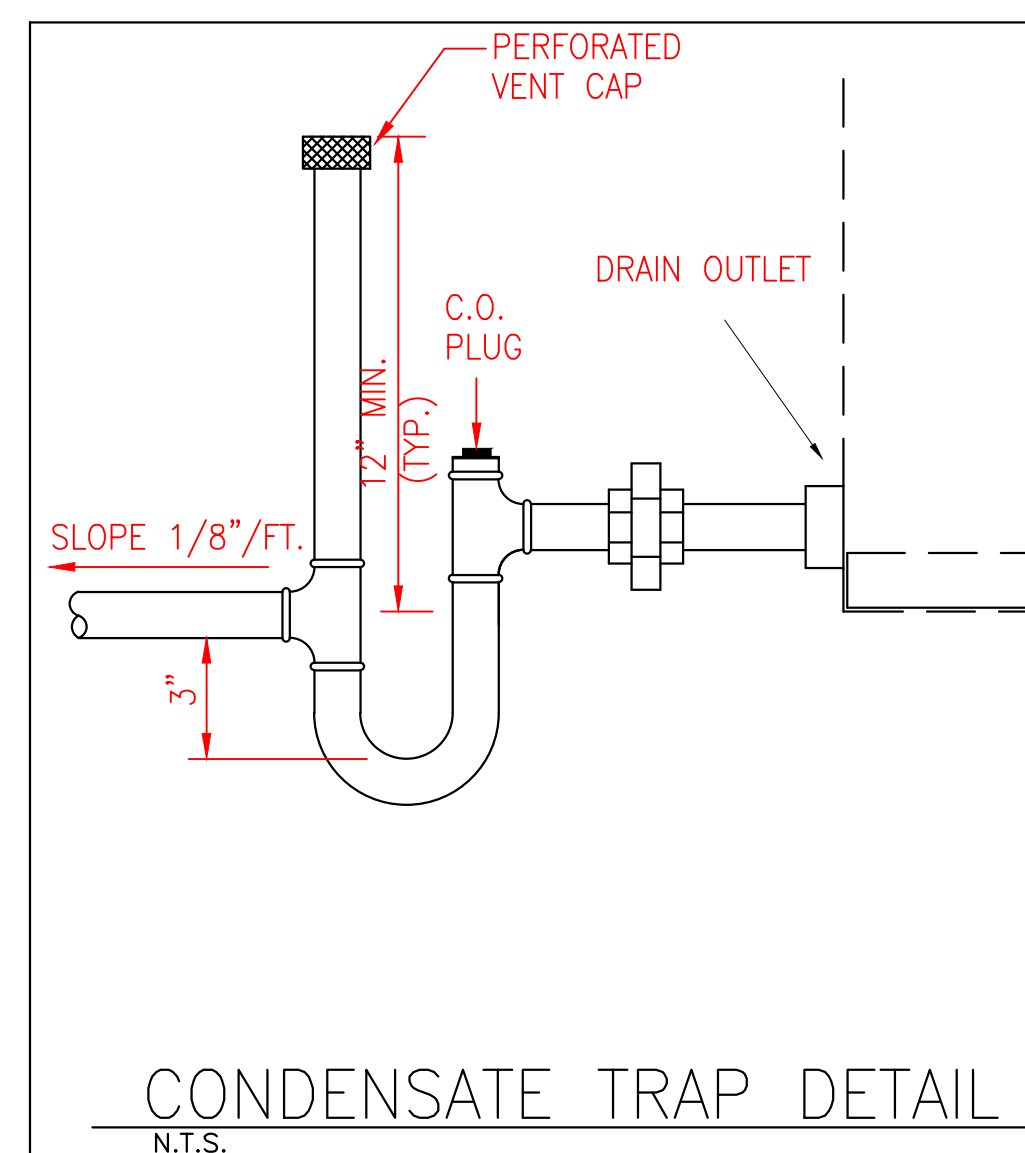
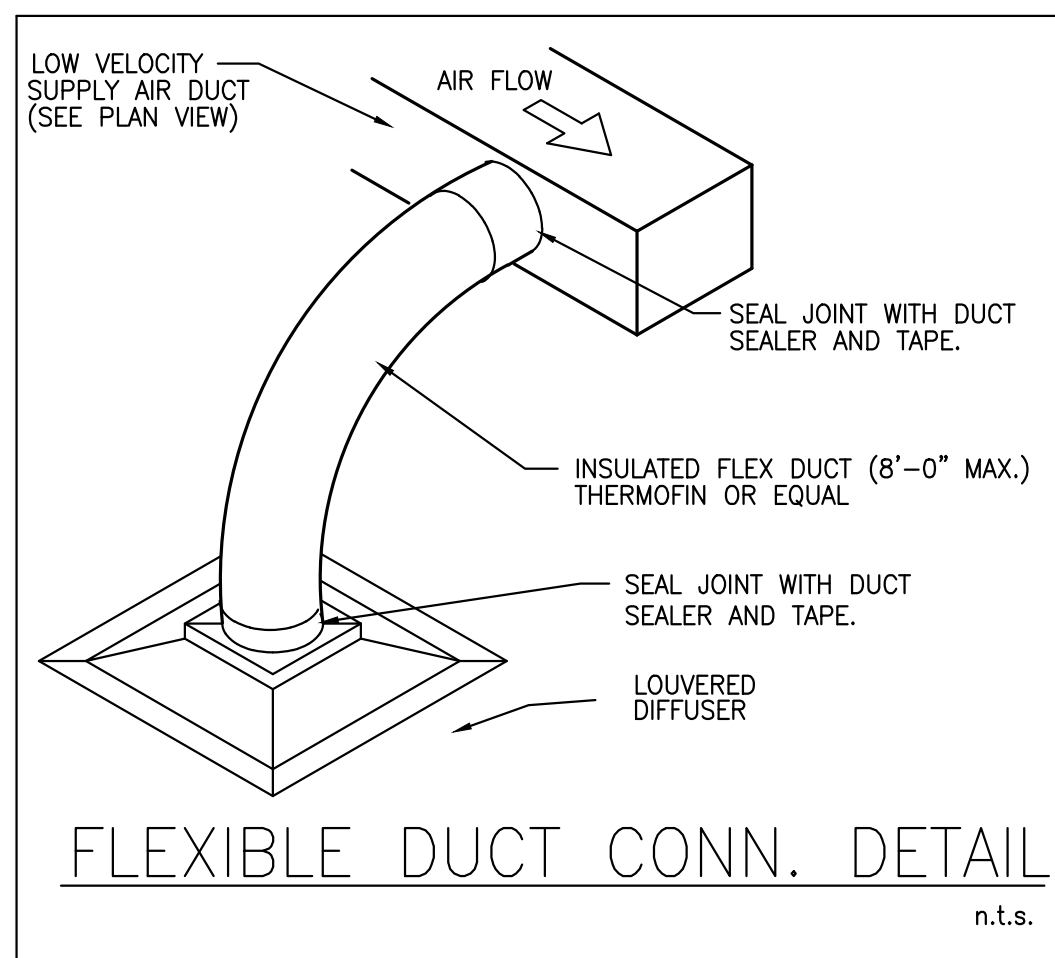
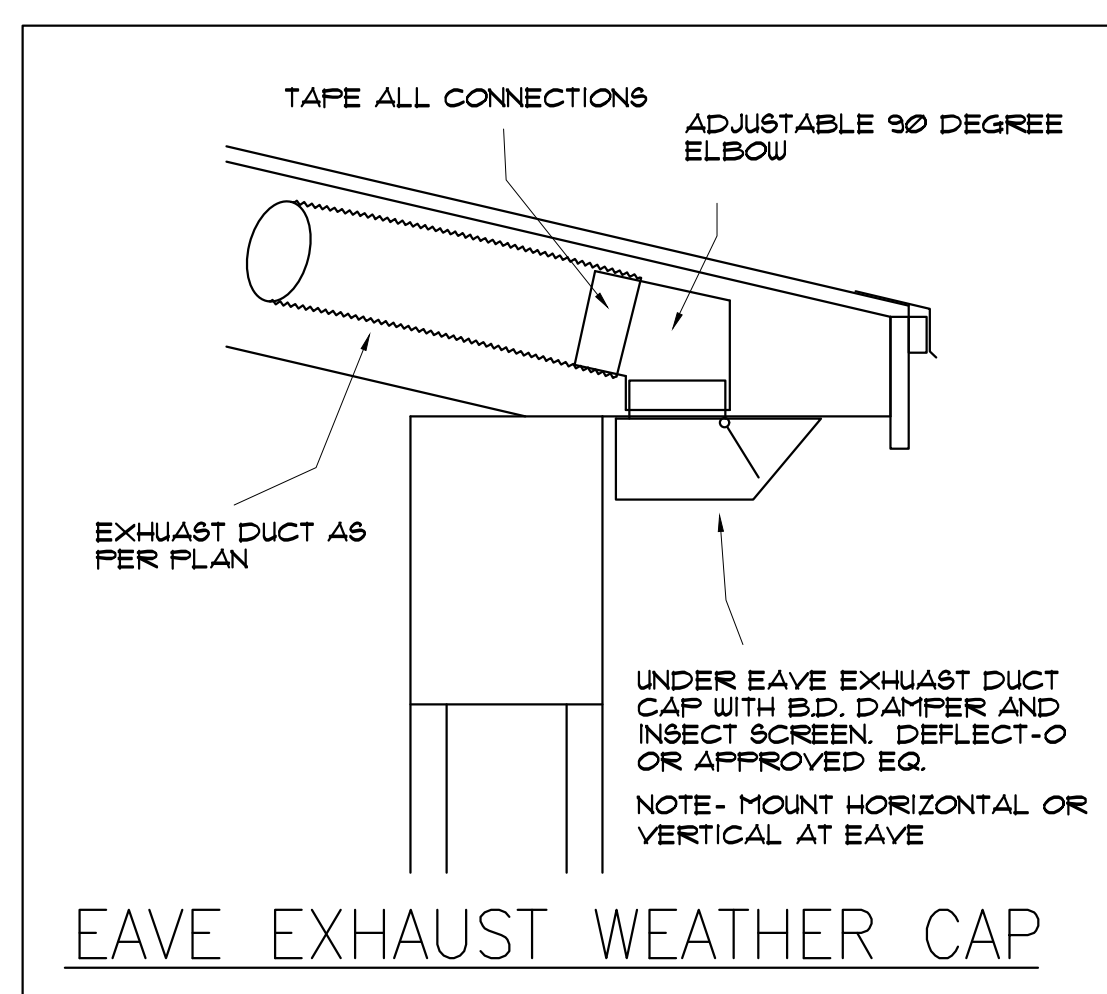
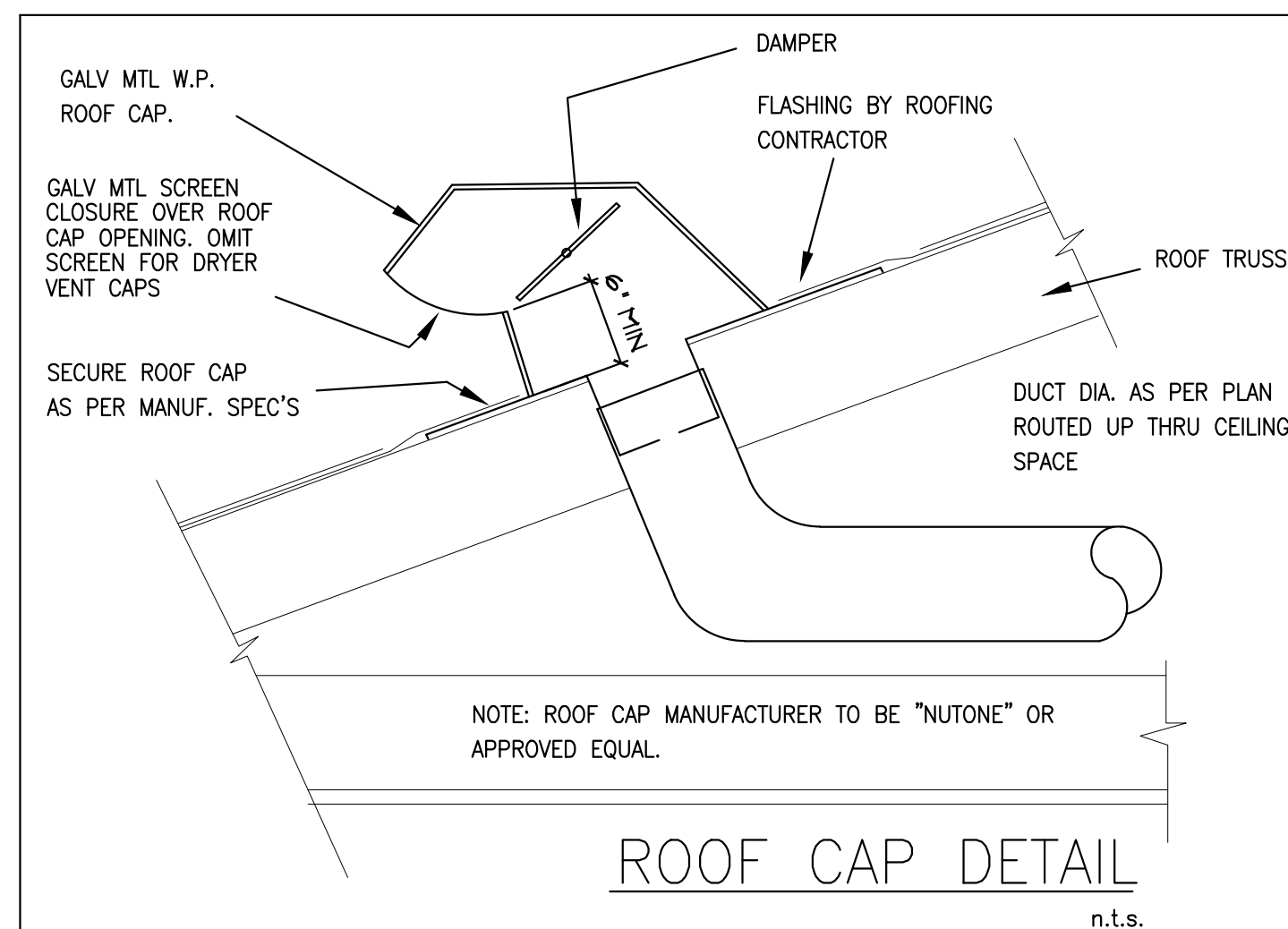
REFRIGERANT PIPING HANGER



DUCT SUPPORT HANGER DETAIL

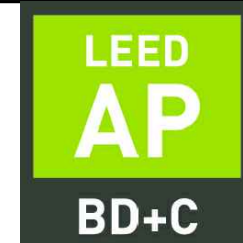


WALL EXHAUST WEATHER CAP



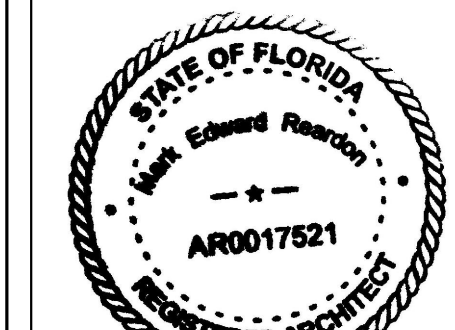
REVISION BY

15790 SW 88TH AVE
MIAMI, FL 33157
AR 0017521
786-355-6910



NOTE: ALL DRAWINGS FOR THIS PROJECT ARE TO BE READ IN CONJUNCTION WITH EACH OTHER. THESE INCLUDE, BUT ARE NOT LIMITED TO: ARCHITECTURAL, SURVEYING, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, SPECIALTY DRAWINGS, & WRITTEN SPECIFICATIONS

THE G.C. IS TO VERIFY ALL EXISTING SITE CONDITIONS AND THOROUGHLY CHECK ELEVATIONS & DIMENSIONS BEFORE COMMENCING WORK. REPORT TO THE ARCHITECT OR ENGINEER ANY DISCREPANCIES, ERRORS OR CONDITIONS THAT WILL ALTER CONSTRUCTION AS INTENDED BY THESE DRAWINGS. ARCHITECT IS NOT RESPONSIBLE FOR ANY WORK AND/OR MATERIALS FURNISHED ON THE JOB.



NEW HOUSE FOR:
5900 LLC
5900 SW 114 TER
PINECREST, FL

DRAWN BY:

MER

DATE:

5/15/23

SCALE:

AS NOTED

SHEET NO.:

M-3