

H.V.A.C. SYSTEM

- [illegible]

AIR DISTRIBUTION SCHEDULE

[illegible]

ASHRAE 62.1-04 OA. CALCULATIONS

5 GRM X 50 P	- 250 GRM
600 GRM/SOFT X 750 SOFT	- 450 GRM
TOTAL	- 250 GRM
PROVIDE 300 GRM O.A. TO HP-3	
HP-3	
5 GRM X 50 P	- 250 GRM
600 GRM/SOFT X 750 SOFT	- 450 GRM
TOTAL	- 800 GRM
PROVIDE 400 GRM O.A. TO HP-1 TO HP-2 (EACH)	

VENTILATION FAN SCHEDULE

MARK NO.	ET-1	ET-2	ET-3
APPLICATION	TOILET EXHAUST	TOILET/LAV EXHAUST	JANITOR ROOM
FAN TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
DOME TYPE	DIRECT	DIRECT	DIRECT
AIR FLOW (CFM)	88	108	60
STATIC PRESSURE(IN.WG)	0.26	0.26	0.26
FAN SPEED (RPM)	860	860	1600
MOTOR HP	1/48 WATTS	1/62 WATTS	1/40 WATTS
DESIGN SERVICE	120/180	120/180	120/180
ELECTR. WIR.	GREEN/EX	GREEN/EX	GREEN/EX
MODEL NO.	SP-210	SP-AND-UD	SP-4
ACCESSORIES	(7)	(7)	(7)

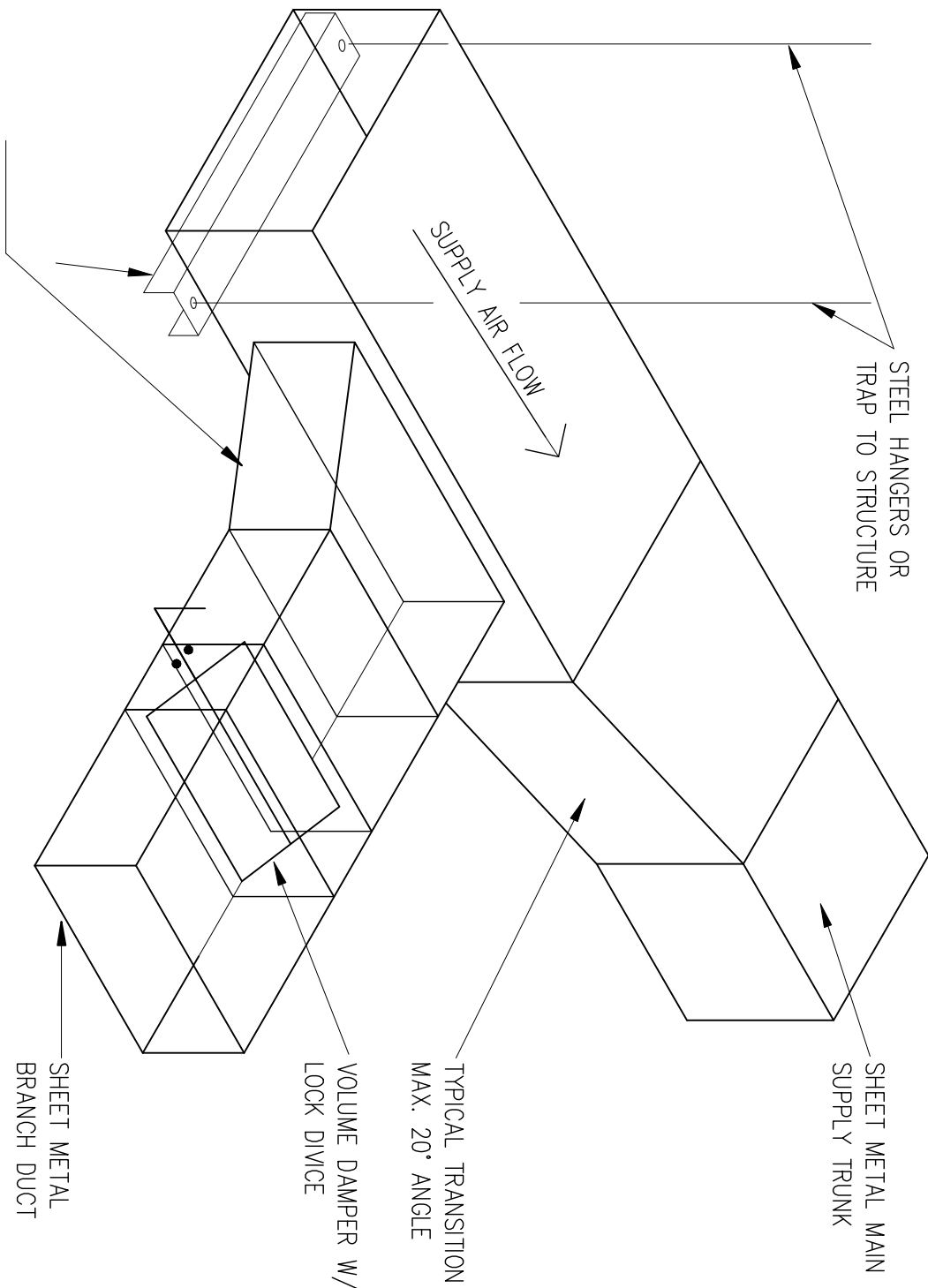
HEAT PUMP UNIT SCHEDULE

HEAT PUMP UNIT SCHEDULE				
UNIT #	HP-12	HP-3		
MODEL #	EM 048	EM 042		
TOTAL COOLING BTUH	44980	41980		
SEER, COOLING BTUH	37.80	32.50		
EAT T80W6	80.0 / 67.0	80.0 / 67.0		
EEH / COP	11.4 / 4.2	12.8 / 4.1		
TOTAL HEATING BTUH	83980	47710		
TOTAL CFM	1800	1250		
ESP		0.5		
HPM / PD (FT)	18 / 17.2	13 / 17.5		
EWTL/WT	86.0 / 86.0	90.0 / 90.0		
ELECTRICAL	480-3-80	480-3-80		
BLOWER HP	3/4	1/2		
COMPRESSOR R/L / LRA	6.4 / 4.0	5.8 / 4.0		
MIN. DISCHUT AMPCACITY	10.5	9.0		
MAX. RISE SIZE ON C.A.	16 MMS	15.0 MMS		
DIMENSION LxWxH	36X36X21	32X34X19		
WEIGHT LBS	690.0	690.0		
ONS & P. SIZE	"	"		

NOTE: HP UNITS TO BE INSTALLED AS PER MANUFACTURER CLEARANCES REQUIREMENTS.

BRANCH DUCT TAKEOFF DETAIL

N.T.S



Interior Improvement - Private Club

**3020 NE 32 Ave. #123
Ft. Lauderdale, Florida 33308**

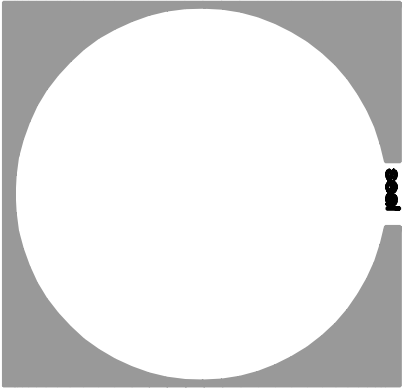
FTC Foundation
17630 NW 78 Ave. Suite 207
Palm Springs, Florida, 33015

Construction Documents

revisions		
NO.	DATE	BY
1	06/26/09	T.N.
	B. & Z.	

drawn by: Y.P. / C.T. / S.M.
checked by: T.N.
date: 5-22-09

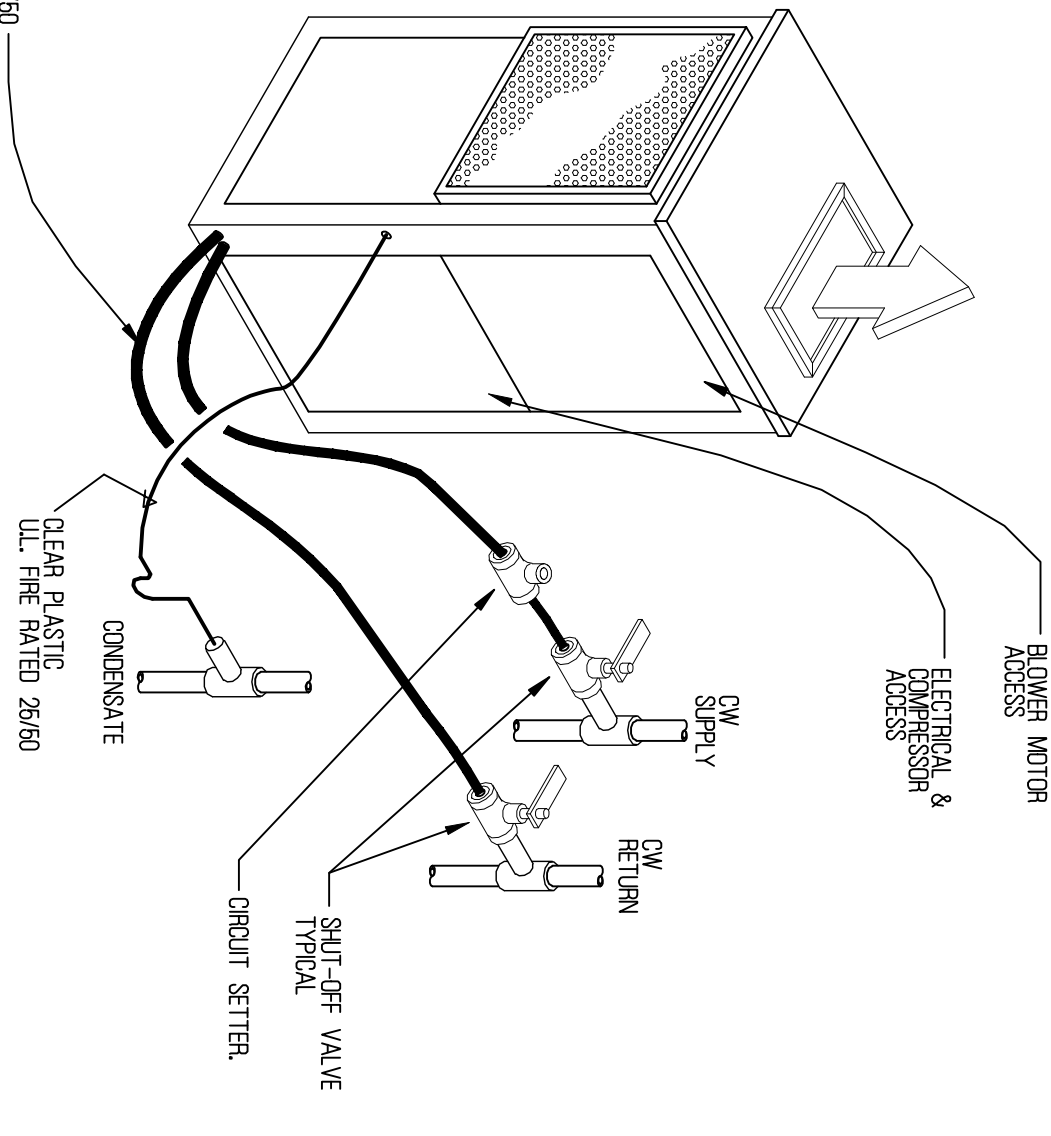
consultants



project: 20090101

HEAT PUMP CONNECTION DETAIL

N.T.S.

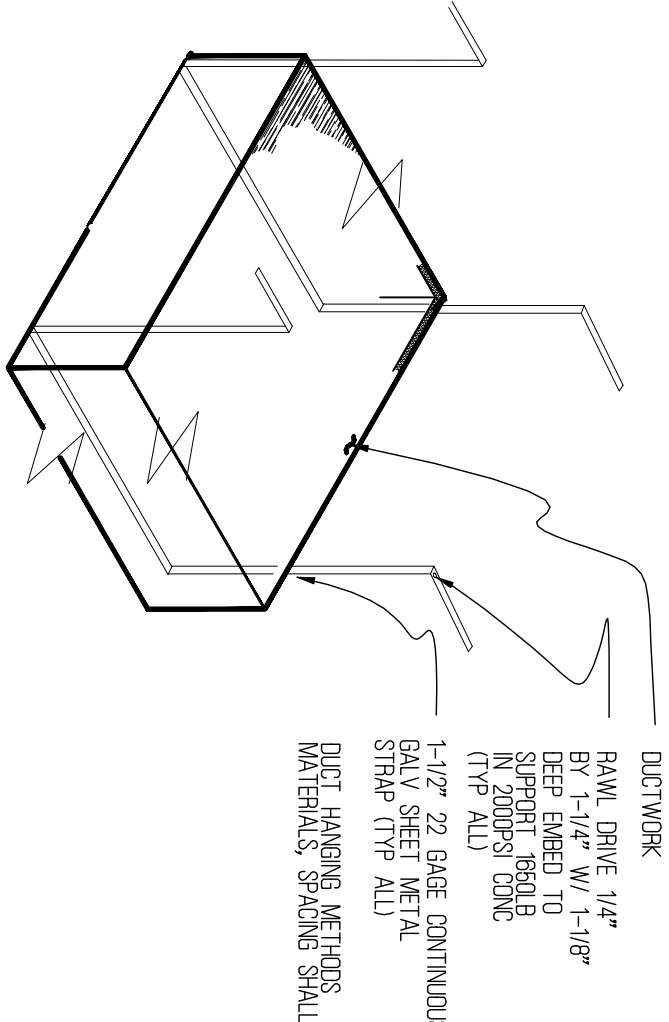


HP MOUNTING DETAIL

Z. + S.

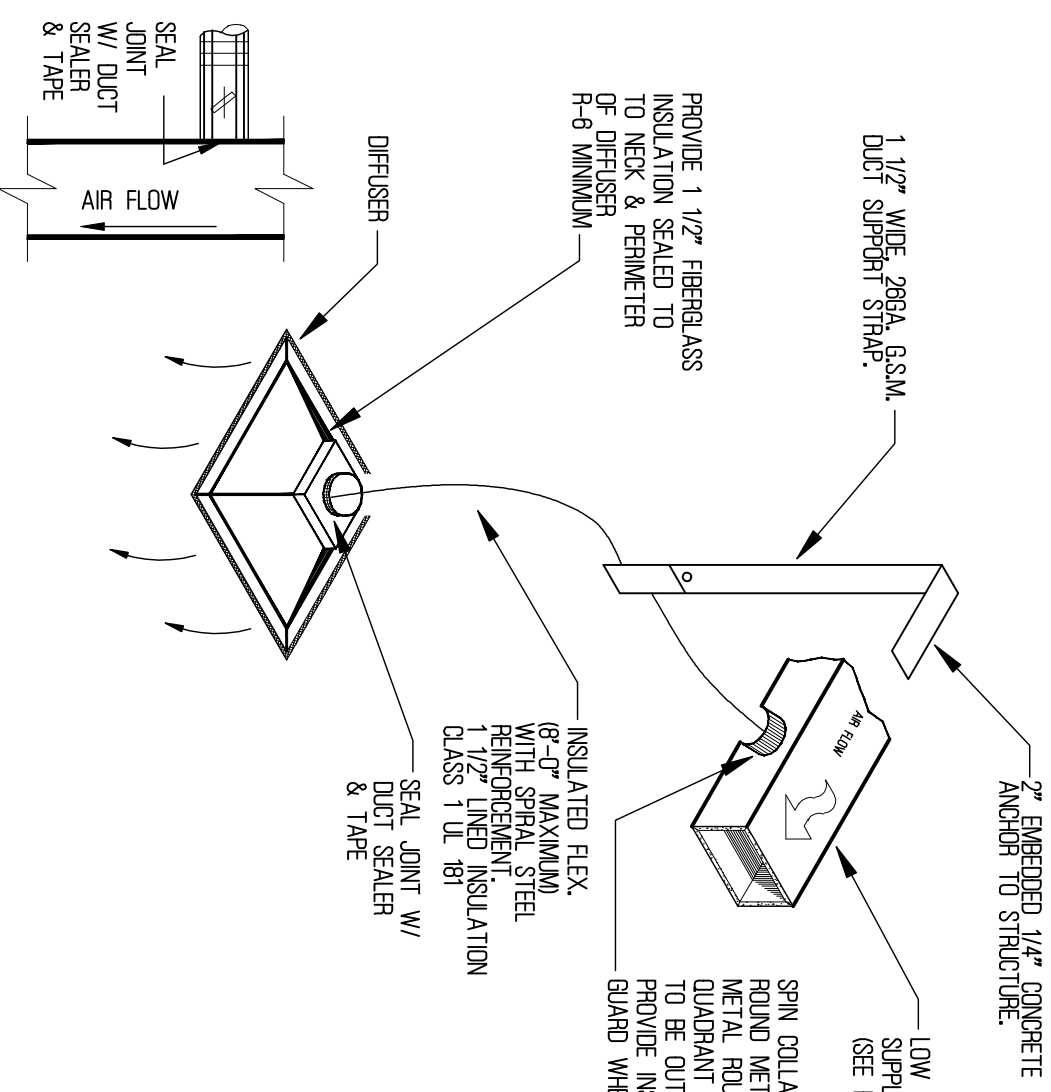
DUCT SUPPORT DETAIL

N.T.S.



FLEXIBLE DUCT CONNECTION DETAIL

N.T.S.



HVAC DESIGN REQUIRES:	YES	NO

C DESIGN REQUIREMENTS

FIRE DAMPER(S)	✓
SMOKE DAMPER(S)	✓
FIRE RATED ENCLOSURE	✓
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY	✓
FIRE STOPPING	✓
SMOKE CONTROL	✓

HVAC LEGEND

HVAC LEGEND	
SYMBOL	DESCRIPTION
	DUCT SIZE IS CLEAR INSIDE DIMENSION
	SQUARE ELBOW WITH TURNING VANES
	AIR EXTRACTOR W/ VOLUME DAMPER (VLD)
	DUCT TRANSITION
	RETURN AIR GRILLE
	CEILING DIFFUSER
	FLEXIBLE DUCT WORK
	THERMOSTAT
	SUPPLY REGISTER
	EXHAUST/RETURN REGISTER
	WALL CAP
	EXHAUST FAN
	FIRE DAMPER
	DUCT SMOKE DETECTOR
	REFRIGERANT LINES
	MOTORIZED DAMPER
	BALANCE DAMPER

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