

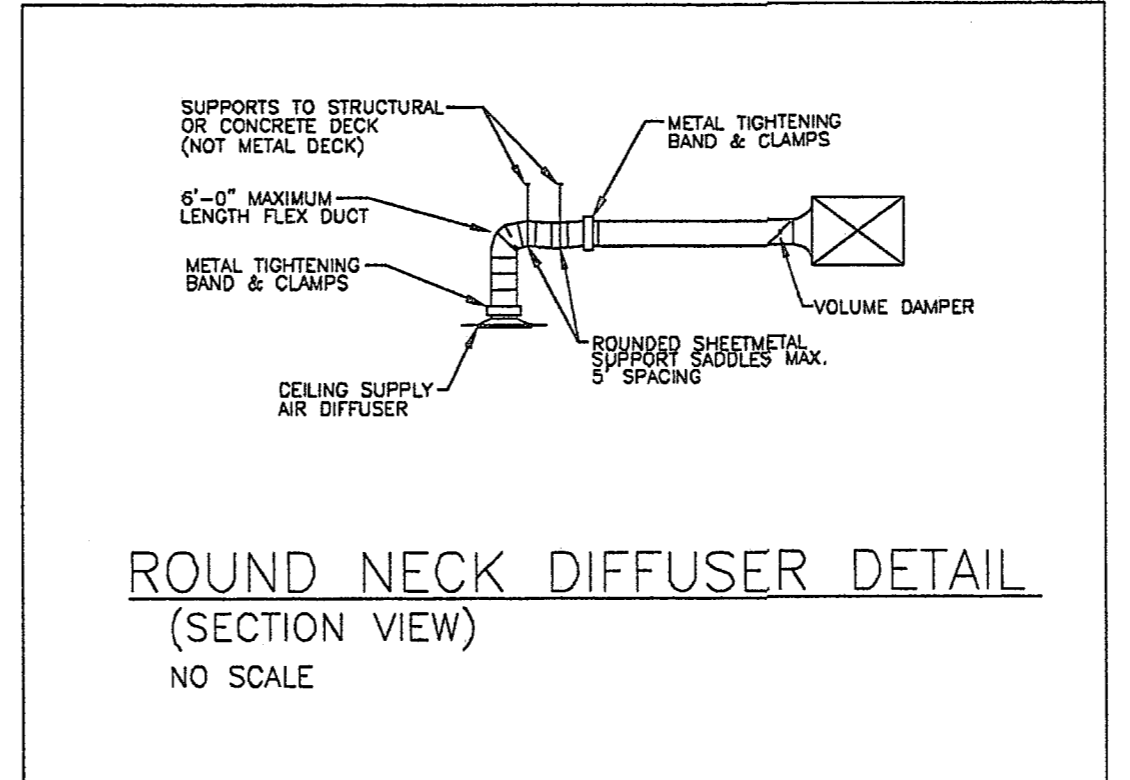
MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
∅	DIAMETER
Ⓡ	7 DAY, 24 HR. PROGRAMMABLE THERMOSTAT, WITH METAL TAMPER-PROOF COVER, WALL MOUNTED, ON INSULATED BOARD. UNIT SERVED AS INDICATED.
⊠	24"x24" SUPPLY AIR DIFFUSER WITH NECK SIZE AND AIR CAPACITY AS INDICATED (TYP).
◻	24"x24" PERFORATED RETURN AIR GRILLE WITH 22"x22" NECK WITH FULL SIZE SHEET METAL PLENUM.
◻	48"x24" PERFORATED RETURN AIR GRILLE WITH 46"x22" NECK WITH FULL SIZE SHEET METAL PLENUM.
SD	SMOKE DETECTOR INSTALLED IN DUCTWORK
⌒	INSULATED ROUND FLEXIBLE DUCT
→	AIRFLOW UNDER POSITIVE PRESSURE
⊘	ROUND DUCT TAKEOFF WITH VOLUME DAMPER (TYPICAL).
⊗	CONNECT NEW WORK TO EXISTING

MECHANICAL LEGEND		
SYMBOL	DESCRIPTION	FITTING
⊠	RECTANGULAR DUCT RISER	RECTANGULAR DUCT RISER
⊠	ROUND DUCT RISER	ROUND DUCT RISER
⊠	RECTANGULAR DUCT DROP	RECTANGULAR DUCT DROP
⊠	ROUND DUCT DROP	ROUND DUCT DROP
⊠	ROUND DUCT CONICAL TEE	ROUND DUCT WITH ROUND BRANCH
⊠	ROUND MAN DUCT WITH ROUND BRANCH	ROUND MAN DUCT WITH ROUND BRANCH
⊠	ROUND BRANCH	ROUND BRANCH
⊠	DUCT SIZE TRANSITION POINT	DUCT SIZE TRANSITION POINT
⊠	RECTANGULAR ELBOW WITH TURNING VANES	RECTANGULAR ELBOW WITH TURNING VANES
⊠	RADIUS ELBOW	RADIUS ELBOW
⊠	SYMMETRICAL WYE	SYMMETRICAL WYE
⊠	DOUBLE FORMED TURNING VANES	DOUBLE FORMED TURNING VANES
⊠	1" ACOUSTICALLY LINED DUCT	1" ACOUSTICALLY LINED DUCT
⊠	CONCENTRIC SQUARE TO ROUND	CONCENTRIC SQUARE TO ROUND

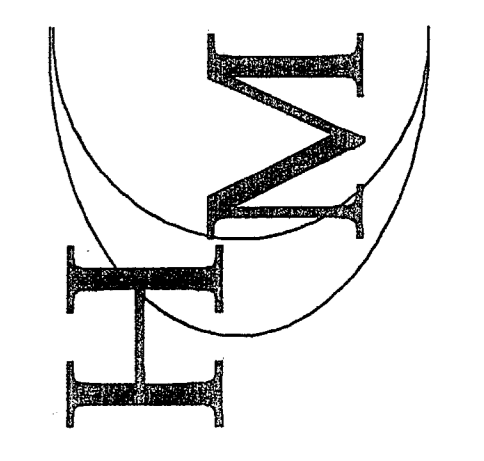
PROPOSED HVAC PLAN
SCALE: 1/8"=1'-0"

- MECHANICAL NOTES:
1. ALL NEW DUCTWORK SHALL BE GALVANIZED DUCTWORK
 2. DUCTWORK SHALL BE INSTALLED PER S.M.A.C.N.A. STANDARDS
 3. ALL CONCEALED DUCTWORK SHALL BE EXTERNALLY INSULATED
 4. ALL EXPOSED DUCTWORK SHALL BE INTERNALLY INSULATED WITH 1/2" LINER
 5. REUSE AND RELOCATED THERMOSTATS AS SHOWN
 6. SMOKE DETECTORS ARE EXISTING AND TO REMAIN
 7. RTU'S ARE ALL EXISTING AND TO BE REUSED
 8. ALL DIFFUSERS SHALL BE WHITE ENAMEL FINISH
 9. BATHROOM EXHAUST FANS AND DUCT ARE EXISTING TO REMAIN
 10. ALL BRANCH TAKE-OFFS SHALL HAVE MANUAL DAMPERS
 11. FLEXIBLE CONNECTIONS SHALL NOT EXCEED 6'-0"
 12. AIR BALANCING SHALL BE +/- 10% OF DESIGN DRAWINGS
 13. ALL SUPPLY DIFFUSERS SHALL BE TITUS MODEL TMS OR APPROVED EQUAL
 14. ALL RETURN AND EXHAUST GRILLS SHALL BE TITUS MODEL 350 OR APPROVED EQUAL
 15. FILTERS TO BE CHANGED AFTER CONSTRUCTION
 16. OUTSIDE AIR TO BE PER IBC 2006

EQUIPMENT / VENTILATION SCHEDULE (EXISTING)										
UNIT	YORK - MODEL	COOLING	HEAT CAPY MBH	VOLTAGE	MCA	MAX FUSE	OCCUPANCY	TOTAL CFM	OUTSIDE AIR	ACCESSORIES
RTU#1	D2EG080N099	5-TONS	125	-	-	-	12	2000	180	EXISTING
RTU#2	D3CG048N062	4-TONS	75	-	-	-	20	1600	300	EXISTING
RTU#3	D8CG080N099	5-TONS	125	-	-	-	15	2000	225	EXISTING
RTU#4	D8CG080N099	5-TONS	125	-	-	-	20	2000	300	EXISTING
RTU#5	D3CG072N099	6-TONS	125	-	-	-	30	2400	450	EXISTING
RTU#6	D4CG036N082	3-TONS	100	-	-	-	10	1200	150	EXISTING
RTU#7	YSC0724EMA	8-TONS	120	-	-	-	12	2400	180	EXISTING



HUNTINGDON
MECHANICAL
CONTRACTORS
215-659-2121
(FAX)215-657-3211



DATE: 11/16/10
DWN BY: K.S.S.
DESCRIPTION:
PROPOSED HVAC LAYOUT

SCALE: 1/8"=1'-0"
APV BY:
REVISIONS:

PROJECT:
KNF NEUBERGER, INC.
2 BLACK FOREST ROAD
TRENTON, NJ 08691

MARC W. WACHTER, PE

DRAWING NUMBER:
M2

NEW JERSEY PROFESSIONAL ENGINEER, GE-43690