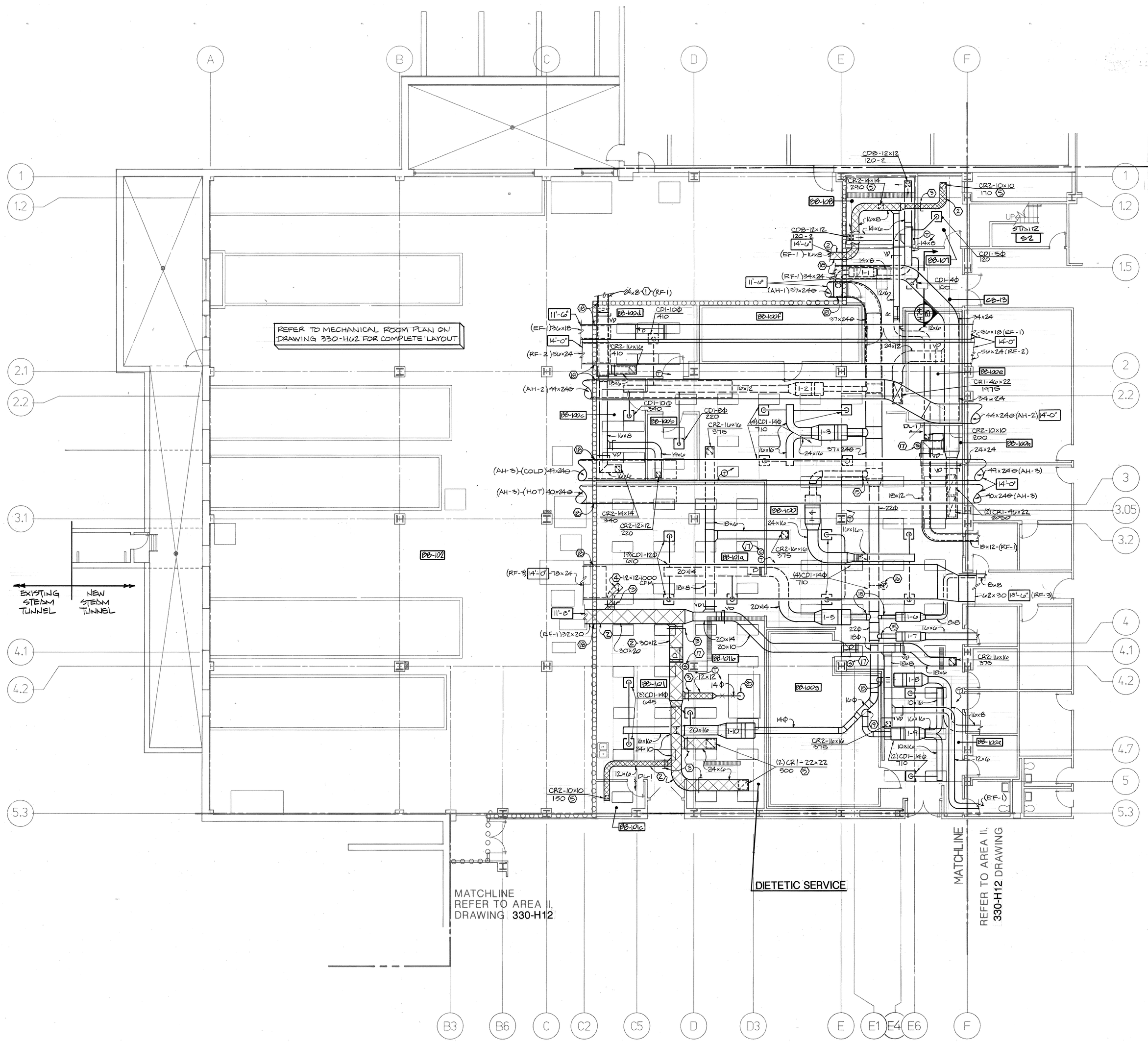
NOTES

1. DUCT RUNS IN BEAM SPACE.
2. STAINLESS STEEL DUCTWORK.
3. STAINLESS STEEL VOLUME DAMPER.
4. EXTEND AND CONNECT STAINLESS STEEL DUCT DOWN TO DISHWASHER VENT COLLAR ABOVE CEILING. DUCT SHALL BE FULL SIZE OF VENT COLLAR (APPROXIMATE SIZE SHOWN) AND PROVIDED WITH A STAINLESS STEEL MANUAL VOLUME DAMPER, BALANCE TO INDICATED CFM.
5. REGISTER VOLUME DAMPER SHALL BE STAINLESS STEEL.
6. (NOTE DELETED).
7. (NOTE DELETED).
8. (NOTE DELETED).
9. (NOTE DELETED).
10. (NOTE DELETED).
11. (NOTE DELETED).
12. (NOTE DELETED).
13. (NOTE DELETED).
14. (NOTE DELETED).
15. CONICAL TEE FITTING.
16. AH-1 DUCT STATIC PRESSURE SENSOR.
17. AH-1 SPACE TEMPERATURE SENSOR.
18. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.
19. CONICAL LATERAL FITTING.
20. DROP DUCT THRU CEILING AND CONNECT TO CART WASHER EXHAUST COLLAR PER MANUFACTURER'S RECOMMENDATIONS. BALANCE TO 1200 CFM. ALL DUCTWORK, FASTENERS, SUPPORTS, ETC. TO BE STAINLESS STEEL. PROVIDE STAINLESS STEEL ESCUTCHEON AT CEILING.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-1,2 & 3 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN AIR DUCTS ON INLET SIDE OF RF-1, 2 & 3	-2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-1	-2"	B



ROOM NO.	ROOM NAME
BB-100	PLATING
BB-100a	NOURISHMENT
BB-100b	STORAGE
BB-100c	STORAGE
BB-100d	STORAGE
BB-100e	TRANSPORT CART REFRIG.
BB-100f	BULK FOOD REFRIG.
BB-100g	CART STORAGE RE-THERMALIZE REFRIG.
BB-100h	H.A.C.
BB-101	SOILED CARTS
BB-101a	CLEAN STORAGE
BB-101b	CLEAN CART AREA
BB-101c	H.A.C.
BB-102	MECHANICAL EQUIPMENT
BB107	SILVER COLLECT
BB-108	MANUAL CARD WASH (BLDG. MAINT.)
CB-13	CORRIDOR

8-0-2-2150

BUILDING 100% SPRINKLERED

100A	
RECORD DRAWINGS	1-15-93
△1 DIETETIC REVISION	3-17-89
Revisions	Date

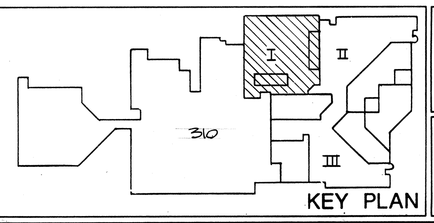
Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO
28867 T. J. FERDELMAN
T. E. MONNIG 26766
B. J. WERLING 33948
R. R. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N



KEY PLAN

Drawing Title: BASEMENT FLOOR PLAN AREA I AIR DISTRIBUTION	Project Title: BED REPLACEMENT AND MODERNIZATION		Date: JUNE 28, 1988
			Project No. 552-090D
Approved Project Director: Harold M Goode	Building Number: 330	Checked: D.L.E	Drawn: G.S.E.
	Location: VAMC - DAYTON, OHIO		DRAWING NO. 330-H11 Dwg. 31 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467

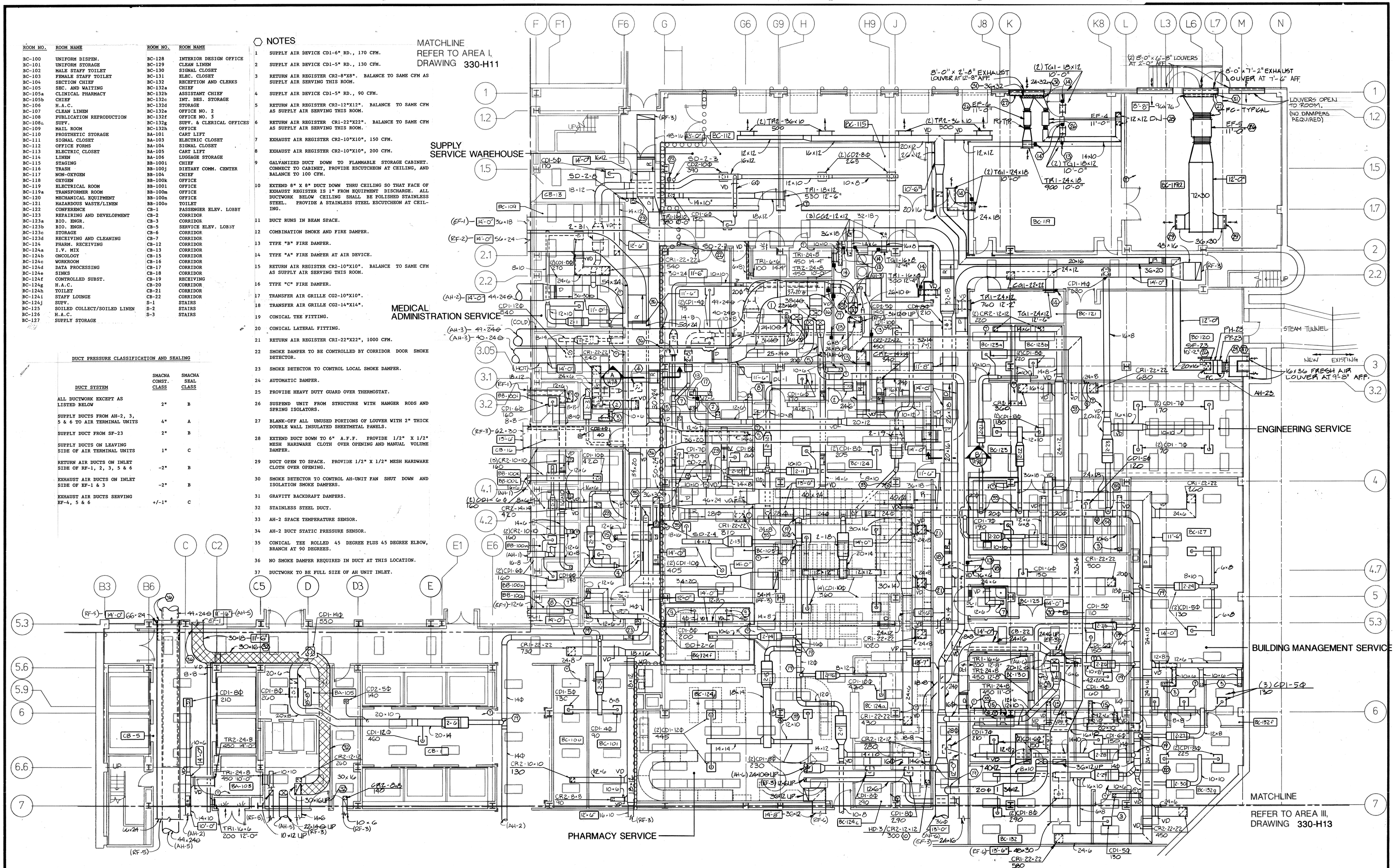
ROOM NO.	ROOM NAME	ROOM NO.	ROOM NAME
BC-100	UNIFORM DISPEN.	BC-128	INTERIOR DESIGN OFFICE
BC-101	UNIFORM STORAGE	BC-129	CLEAN LINEN
BC-102	MALE STAFF TOILET	BC-130	SIGNAL CLOSET
BC-103	FEMALE STAFF TOILET	BC-131	ELEC. CLOSET
BC-104	SECTION CHIEF	BC-132	RECEPTION AND CLERKS
BC-105	SEC. AND WAITING	BC-132a	CHIEF
BC-105a	CLINICAL PHARMACY	BC-132b	ASSISTANT CHIEF
BC-105b	CHIEF	BC-132c	INT. DES. STORAGE
BC-106	H.A.C.	BC-132d	STORAGE
BC-107	CLEAN LINEN	BC-132e	OFFICE NO. 2
BC-108	PUBLICATION REPRODUCTION	BC-132f	OFFICE NO. 3
BC-108a	SUPV.	BC-132g	SUPV. & CLERICAL OFFICES
BC-109	MAIL ROOM	BC-132h	OFFICE
BC-110	PROSTHETIC STORAGE	BA-101	CART LIFT
BC-111	SIGNAL CLOSET	BA-103	ELECTRIC CLOSET
BC-112	OFFICE FORMS	BA-104	SIGNAL CLOSET
BC-113	ELECTRIC CLOSET	BA-105	CART LIFT
BC-114	LINEN	BA-106	LUGGAGE STORAGE
BC-115	STAGING	BB-1001	CHIEF
BC-116	TRASH	BB-1001	DIETARY COMM. CENTER
BC-117	NON-OXYGEN	BB-104	CHIEF
BC-118	OXYGEN	BB-100k	OFFICE
BC-119	ELECTRICAL ROOM	BB-1001	OFFICE
BC-119a	TRANSFORMER ROOM	BB-100m	OFFICE
BC-120	MECHANICAL EQUIPMENT	BB-100n	OFFICE
BC-121	HAZARDOUS WASTE/LINEN	BB-100o	TOILET
BC-122	CONFERENCE	CB-1	PASSENGER ELEV. LOBBY
BC-123	REPAIRING AND DEVELOPMENT	CB-2	CORRIDOR
BC-123a	BIO. ENGR.	CB-3	CORRIDOR
BC-123b	BIO. ENGR.	CB-5	SERVICE ELEV. LOBBY
BC-123c	STORAGE	CB-6	CORRIDOR
BC-123d	RECEIVING AND CLEANING	CB-7	CORRIDOR
BC-124	PHARM. RECEIVING	CB-12	CORRIDOR
BC-124a	I.V. MIX	CB-13	CORRIDOR
BC-124b	ONCOLOGY	CB-15	CORRIDOR
BC-124c	WORKROOM	CB-16	CORRIDOR
BC-124d	DATA PROCESSING	CB-17	CORRIDOR
BC-124e	SINKS	CB-18	CORRIDOR
BC-124f	CONTROLLED SUBST.	CB-19	RECEIVING
BC-124g	H.A.C.	CB-20	CORRIDOR
BC-124h	TOILET	CB-21	CORRIDOR
BC-124i	STAFF LOUNGE	CB-22	CORRIDOR
BC-124j	SUPV.	S-1	STAIRS
BC-125	SOILED COLLECT/SOILED LINEN	S-2	STAIRS
BC-126	H.A.C.	S-3	STAIRS
BC-127	SUPPLY STORAGE		

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-2, 3, 5 & 6 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCT FROM SF-23	2"	B
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN AIR DUCTS ON INLET SIDE OF RF-1, 2, 3, 5 & 6	-2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-1 & 3	-2"	B
EXHAUST AIR DUCTS SERVING EF-4, 5 & 6	+/-1"	C

NOTES

1. SUPPLY AIR DEVICE CD1-6" RD., 170 CFM.
2. SUPPLY AIR DEVICE CD1-5" RD., 130 CFM.
3. RETURN AIR REGISTER CR2-8"X8". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
4. SUPPLY AIR DEVICE CD1-5" RD., 90 CFM.
5. RETURN AIR REGISTER CR2-12"X12". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
6. RETURN AIR REGISTER CR1-22"X22". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
7. EXHAUST AIR REGISTER CR2-10"X10", 150 CFM.
8. EXHAUST AIR REGISTER CR2-10"X10", 200 CFM.
9. GALVANIZED DUCT DOWN TO FLAMMABLE STORAGE CABINET. CONNECT TO CABINET, PROVIDE ESCUTCHEON AT CEILING, AND BALANCE TO 100 CFM.
10. EXTEND 8" X 8" DUCT DOWN THRU CEILING SO THAT FACE OF EXHAUST REGISTER IS 1" FROM EQUIPMENT DISCHARGE. ALL DUCTWORK BELOW CEILING SHALL BE POLISHED STAINLESS STEEL. PROVIDE A STAINLESS STEEL ESCUTCHEON AT CEILING.
11. DUCT RUNS IN BEAM SPACE.
12. COMBINATION SMOKE AND FIRE DAMPER.
13. TYPE "B" FIRE DAMPER.
14. TYPE "A" FIRE DAMPER AT AIR DEVICE.
15. RETURN AIR REGISTER CR2-10"X10". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
16. TYPE "C" FIRE DAMPER.
17. TRANSFER AIR GRILLE CG2-10"X10".
18. TRANSFER AIR GRILLE CG2-14"X14".
19. CONICAL TEE FITTING.
20. CONICAL LATERAL FITTING.
21. RETURN AIR REGISTER CRI-22"X22", 1000 CFM.
22. SMOKE DAMPER TO BE CONTROLLED BY CORRIDOR DOOR SMOKE DETECTOR.
23. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
24. AUTOMATIC DAMPER.
25. PROVIDE HEAVY DUTY GUARD OVER THERMOSTAT.
26. SUSPEND UNIT FROM STRUCTURE WITH HANGER RODS AND SPRING ISOLATORS.
27. BLANK-OFF ALL UNUSED PORTIONS OF LOUVER WITH 2" THICK DOUBLE WALL INSULATED SHEETMETAL PANELS.
28. EXTEND DUCT DOWN TO 6" A.F.F. PROVIDE 1/2" X 1/2" MESH HARDWARE CLOTH OVER OPENING AND MANUAL VOLUME DAMPER.
29. DUCT OPEN TO SPACE. PROVIDE 1/2" X 1/2" MESH HARDWARE CLOTH OVER OPENING.
30. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUT DOWN AND ISOLATION SMOKE DAMPERS.
31. GRAVITY BACKDRAFT DAMPERS.
32. STAINLESS STEEL DUCT.
33. AH-2 SPACE TEMPERATURE SENSOR.
34. AH-2 DUCT STATIC PRESSURE SENSOR.
35. CONICAL TEE ROLLED 45 DEGREE PLUS 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.
36. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.
37. DUCTWORK TO BE FULL SIZE OF AH UNIT INLET.



8-0-2-2151

BUILDING 100% SPRINKLERED

100A	102	402	802
100A	102	402	802

RECORD DRAWINGS 1-15-93

Revisions 1 AMENDMENT 2 Date 8/88

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO 85367
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO
25867 T. J. FERDELMAN
T. E. MONNIG 26766
R. J. WERLING 33948
R. R. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N
I II III 310
KEY PLAN

Drawing Title: BASEMENT FLOOR PLAN AREA II AIR DISTRIBUTION

Project Title: BED REPLACEMENT AND MODERNIZATION

Date: JUNE 28, 1988

Project No. 552-090D

Approved Project Director: Harold M. Goode

Building Number 330 | Checked D.L.E. | Drawn G.S.E.

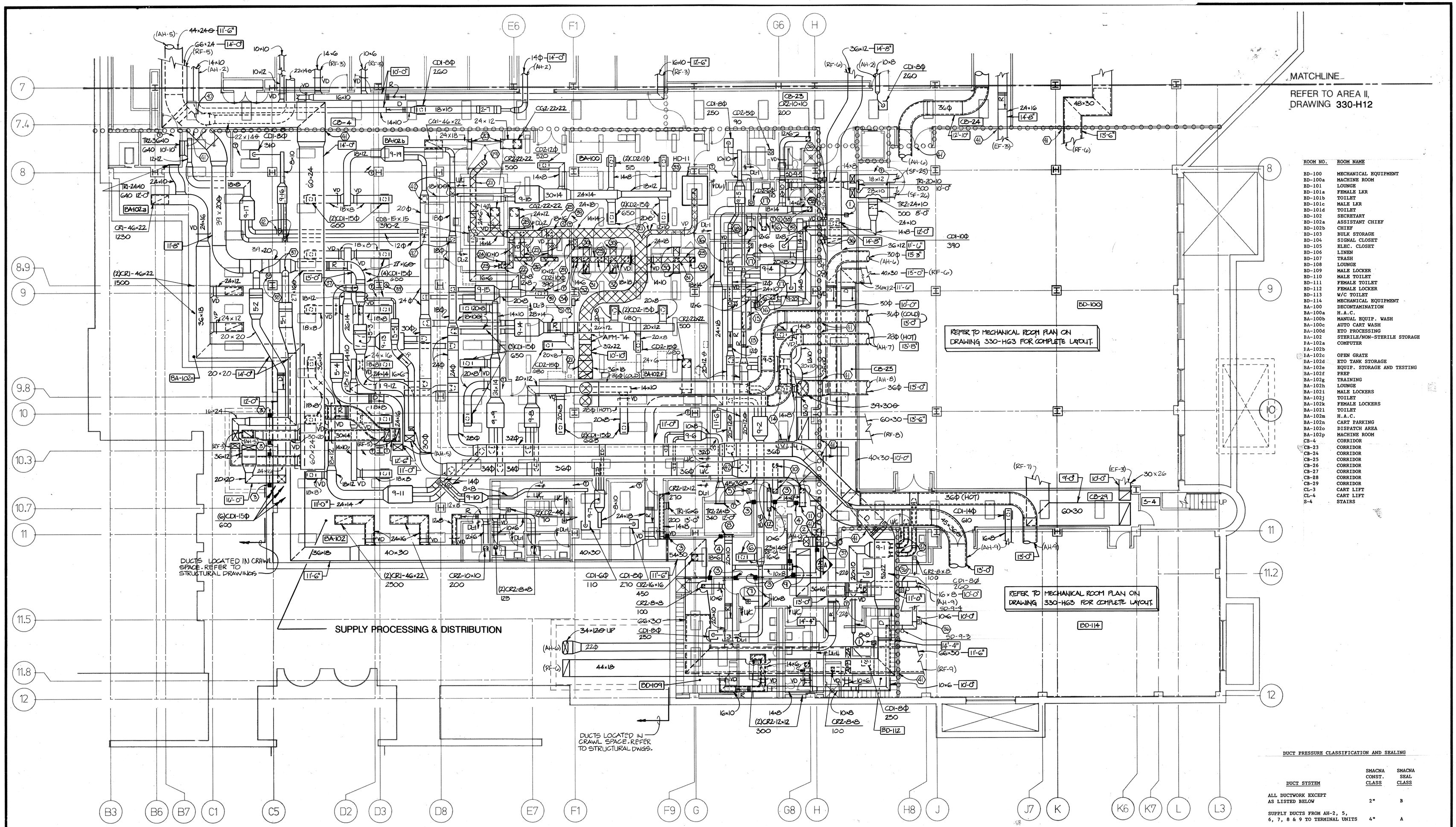
Location: VAMC - DAYTON, OHIO

DRAWING NO. 330-H12
Dwg. 32 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467



ROOM NO.	ROOM NAME
BD-100	MECHANICAL EQUIPMENT
BD-100a	MACHINE ROOM
BD-101	LOUNGE
BD-101a	FEMALE LKR
BD-101b	TOILET
BD-101c	MALE LKR
BD-101d	TOILET
BD-102	SECRETARY
BD-102a	ASSISTANT CHIEF
BD-102b	CHIEF
BD-103	BULK STORAGE
BD-104	SIGNAL CLOSET
BD-105	ELEC. CLOSET
BD-106	LINEN
BD-107	TRASH
BD-108	LOUNGE
BD-109	MALE LOCKER
BD-110	MALE TOILET
BD-111	FEMALE TOILET
BD-112	FEMALE LOCKER
BD-113	W/C TOILET
BD-114	MECHANICAL EQUIPMENT
BA-100	DECONTAMINATION
BA-100a	H.A.C.
BA-100b	MANUAL EQUIP. WASH
BA-100c	AUTO CART WASH
BA-100d	ETO PROCESSING
BA-102	STERILE/NON-STERILE STORAGE
BA-102a	COMPUTER
BA-102b	
BA-102c	OPEN GRATE
BA-102d	ETO TANK STORAGE
BA-102e	EQUIP. STORAGE AND TESTING
BA-102f	PREP
BA-102g	TRAINING
BA-102h	LOUNGE
BA-102i	MALE LOCKERS
BA-102j	TOILET
BA-102k	FEMALE LOCKERS
BA-102l	TOILET
BA-102m	H.A.C.
BA-102n	CART PARKING
BA-102o	DISPATCH AREA
BA-102p	MACHINE ROOM
CB-4	CORRIDOR
CB-23	CORRIDOR
CB-24	CORRIDOR
CB-25	CORRIDOR
CB-26	CORRIDOR
CB-27	CORRIDOR
CB-28	CORRIDOR
CB-29	CORRIDOR
CL-3	CART LIFT
CL-4	CART LIFT
S-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-2, 5, 6, 7, 8 & 9 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS FROM SF-25 & 26	2"	B
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-3, 5, 6, 7, 8 & 9	-2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-3	-2"	B
EF-12 EXHAUST	-3"	WELD

8-0-2-2152

NOTES

1. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND I-SOLATION SMOKE DAMPERS.
2. TYPE "C" FIRE DAMPER.
3. TYPE "B" FIRE DAMPER.
4. TYPE "A" FIRE DAMPER AT AIR DEVICE.
5. SUPPLY AIR DEVICE CD2-4"RD., 60 CFM.
6. SUPPLY AIR DEVICE CD2-10"RD., 390 CFM.
7. SUPPLY AIR DEVICE CD2-4"RD., 40 CFM.
8. EXHAUST AIR REGISTER TR1-20"X10", 340 CFM AT 10'-0" AFF.
9. EXHAUST AIR REGISTER TR1-10"X8", 150 CFM AT 10'-0" AFF.
10. TRANSFER AIR GRILLE CG2-12"X12".
11. TRANSFER AIR GRILLE TG1-14"X6" AT 10'-0" AFF.
12. TRANSFER AIR GRILLE CG2-8"X8".
13. SUPPLY AIR DEVICE CD1-12"RD., 500 CFM.
14. SUPPLY AIR DEVICE CD1-12"RD., 550 CFM.
15. EXHAUST AIR REGISTER CR1-46"X22", 1000 CFM.
16. SUPPLY AIR DEVICE CD1-6"RD., 140 CFM.
17. EXHAUST AIR REGISTER CR2-10"X10", BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
18. EXHAUST AIR REGISTER CR2-10"X10", 200 CFM.
19. CONNECT TO EQUIPMENT EXHAUST COLLAR PER MANUFACTURER'S RECOMMENDATIONS. BALANCE TO 1400 CFM. ALL DUCTWORK, FASTENERS, SUPPORTS, ETC. TO BE STAINLESS STEEL.
20. DUCT OPEN TO MECHANICAL SPACE. PROVIDE 1/2" X 1/2" MESH HARDWARE CLOTH OVER OPENING.
21. STAINLESS STEEL DUCT.
22. STAINLESS STEEL DUCT DOWN THRU CEILING. PROVIDE STAINLESS STEEL escutcheon AT CEILING.
23. EXHAUST AIR REGISTER TR1-8"X14", 250 CFM AT 1'-0" AFF.
24. EXHAUST AIR REGISTER TR1-8"X14", 250 CFM AT 8'-0" AFF.
25. DUCTWORK TO BE RUN EXPOSED BELOW CEILING IN MECHANICAL SPACE. ALL DAMPERS, FASTENERS, SUPPORTS, ETC. TO BE STAINLESS STEEL.
26. EXHAUST HOOD ABOVE DOOR PROVIDED WITH STERILIZER. TRANSITION DUCT AND CONNECT FULL SIZE TO HOOD CONNECTION. BALANCE TO 600 CFM.
27. CONNECT 4" DIAMETER DUCT TO EQUIPMENT ; DRAIN HOOD PER MANUFACTURERS RECOMMENDATIONS. PROVIDE MANUAL VOLUME DAMPER AND BALANCE TO 170 CFM. ALL DUCTWORK, FASTENERS, DAMPERS, ETC. TO BE STAINLESS STEEL.
28. TRANSFER AIR REGISTER TR1-24"X12" AT 10'-6" AFF.
29. EXHAUST AIR REGISTER TR1-20"X10", 460 CFM.
30. EXHAUST AIR REGISTER TR1 - 16" X 8", 300 CFM AT 8'-0" AFF, CENTERED ABOVE STERILIZER DOOR.
31. 16" X 8" STAINLESS STEEL DUCT OFF BOTTOM OF MAIN WITH STAINLESS STEEL VOLUME DAMPER.
32. EXHAUST AIR REGISTER CR2-12"X12", 300 CFM AT 8'-0" AFF. PROVIDE STAINLESS STEEL VOLUME DAMPER IN VERTICAL AT MAIN.
33. EXTEND CANOPY DOWN TO WITHIN 6" OF TOP OF WASHER (APPROXIMATELY 7'-6" AFF.). COORDINATE EXACT HEIGHT WITH EQUIPMENT INSTALLER.
34. AFM-74 ALARM PANEL TO INCLUDE "LOW FLOW" AUDIBLE ALARM WITH ACKNOWLEDGE SILENCER, AND LOW FLOW ALARM LIGHT.
35. EXHAUST AIR REGISTER CR2-12"X12", 250 CFM.
36. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
37. CONICAL TEE FITTING.
38. AH-5 DUCT STATIC PRESSURE SENSOR.
39. AH-9 SPACE TEMPERATURE SENSOR.
40. CONICAL LATERAL FITTING.
41. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.
42. CONICAL TEE ROLLED 45 DEGREES PLUS 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.

BUILDING 100% SPRINKLERED

100A	103	403	803
100A	103	403	803

RECORD DRAWINGS 1/15/93
SPD CHANGES 9/11/89
Revisions AMENDMENT 2 Date 8/8/88

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO — 28867 T. J. FERDELMAN, T. E. MONNIG 26766, B. J. WERLING 33948, R. R. WEBER 41295 — REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: .1/8" = 1'-0"

N

KEY PLAN

Drawing Title: BASEMENT FLOOR PLAN AREA III AIR DISTRIBUTION

Approved Project Director: Harold M. Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: DKS | Drawn: GSE

Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988

Project No. 552-090D

DRAWING NO. 330-H13

Dwg 33 of 95

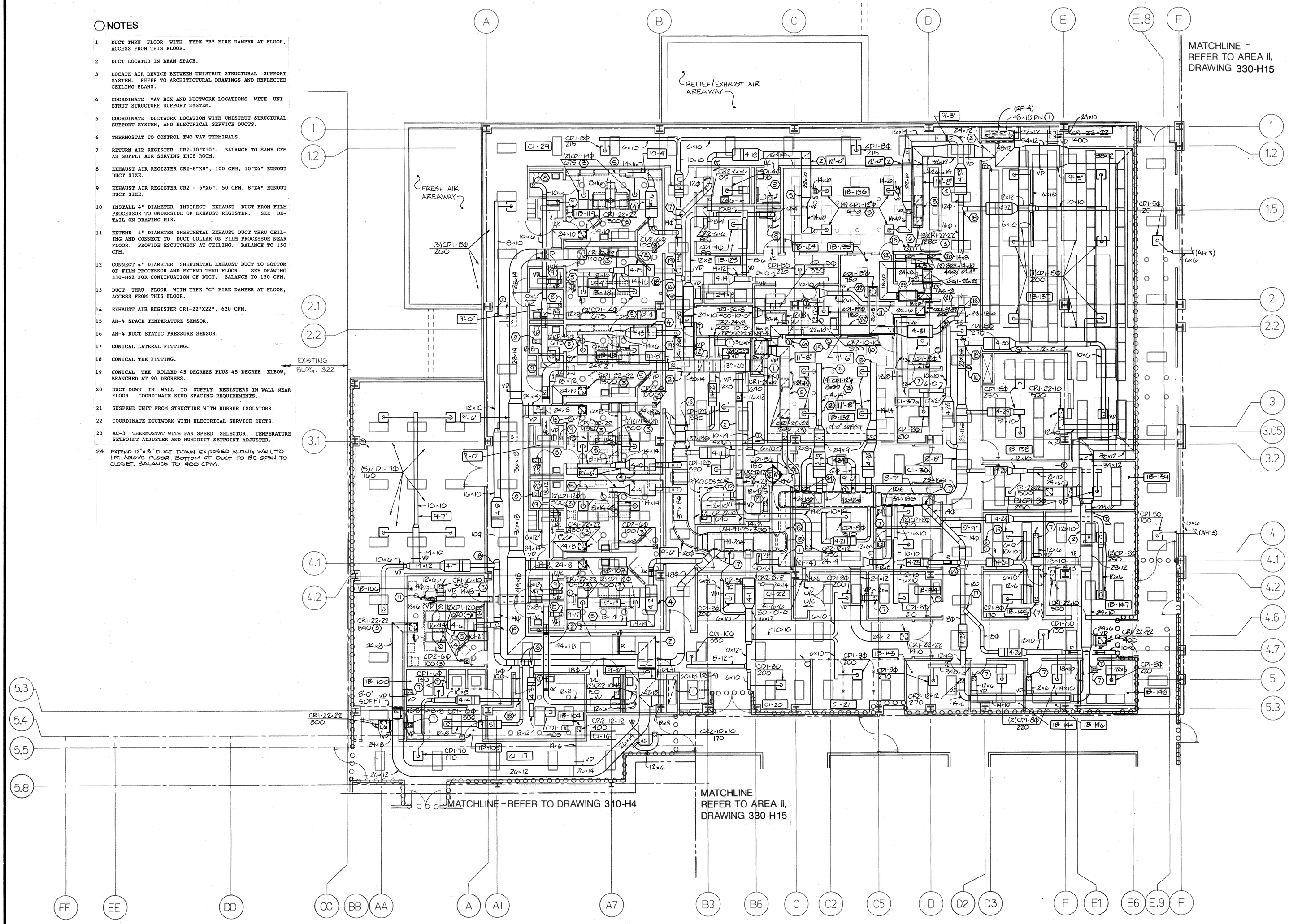
Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-487

NOTES

1. DUCT THRU FLOOR WITH TYPE "B" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
2. DUCT LOCATED IN BEAM SPACE.
3. LOCATE AIR DEVICE BETWEEN UNISTRUT STRUCTURAL SUPPORT SYSTEM. REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS.
4. COORDINATE VAV BOX AND DUCTWORK LOCATIONS WITH UNISTRUT STRUCTURE SUPPORT SYSTEM.
5. COORDINATE DUCTWORK LOCATION WITH UNISTRUT STRUCTURAL SUPPORT SYSTEM, AND ELECTRICAL SERVICE DUCTS.
6. THERMOSTAT TO CONTROL TWO VAV TERMINALS.
7. RETURN AIR REGISTER CR2-10"X10". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
8. EXHAUST AIR REGISTER CR2-8"X8", 100 CFM, 10"X4" RUNOUT DUCT SIZE.
9. EXHAUST AIR REGISTER CR2 - 6"X6", 50 CFM, 8"X4" RUNOUT DUCT SIZE.
10. INSTALL 4" DIAMETER INDIRECT EXHAUST DUCT FROM FILM PROCESSOR TO UNDERSIDE OF EXHAUST REGISTER. SEE DETAIL ON DRAWING H13.
11. EXTEND 4" DIAMETER SHEETMETAL EXHAUST DUCT THRU CEILING AND CONNECT TO DUCT COLLAR ON FILM PROCESSOR NEAR FLOOR. PROVIDE ESCUTCHEON AT CEILING. BALANCE TO 150 CFM.
12. CONNECT 4" DIAMETER SHEETMETAL EXHAUST DUCT TO BOTTOM OF FILM PROCESSOR AND EXTEND THRU FLOOR. SEE DRAWING 330-H62 FOR CONTINUATION OF DUCT. BALANCE TO 150 CFM.
13. DUCT THRU FLOOR WITH TYPE "C" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
14. EXHAUST AIR REGISTER CR1-22"X22", 620 CFM.
15. AH-4 SPACE TEMPERATURE SENSOR.
16. AH-4 DUCT STATIC PRESSURE SENSOR.
17. CONICAL LATERAL FITTING.
18. CONICAL TEE FITTING.
19. CONICAL TEE ROLLED 45 DEGREES PLUS 45 DEGREE ELBOW, BRANCHED AT 90 DEGREES.
20. DUCT DOWN IN WALL TO SUPPLY REGISTERS IN WALL NEAR FLOOR. COORDINATE STUD SPACING REQUIREMENTS.
21. SUSPEND UNIT FROM STRUCTURE WITH RUBBER ISOLATORS.
22. COORDINATE DUCTWORK WITH ELECTRICAL SERVICE DUCTS.
23. AC-3 THERMOSTAT WITH FAN SPEED SELECTOR, TEMPERATURE SETPOINT ADJUSTER AND HUMIDITY SETPOINT ADJUSTER.
24. EXTEND 12"x8" DUCT DOWN EXPOSED ALONG WALL TO 1 FT ABOVE FLOOR. BOTTOM OF DUCT TO BE OPEN TO CLOSET. BALANCE TO 400 CFM.



ROOM NO.	ROOM NAME
1B-100	PATIENT EDUCATION
1B-100a	MAMMOGRAPHY
1B-100b	STORAGE
1B-101	SIGNAL CLOSET
1B-102	W/C TOILET
1B-103	W/C TOILET
1B-104	ULTRASOUND
1B-105	DRESSING
1B-106	AUTOMATED ROOM
1B-106a	CONTROL ROOM
1B-107	W/C TOILET
1B-108	DRESSING
1B-109	CHEST
1B-109a	CONTROL
1B-110	GENERAL PURPOSE
1B-111	DRESSING
1B-112	W/C TOILET
1B-113	DRESSING
1B-114	GEN. PURP. TOMOGRAPHIC
1B-114a	W/C TOILET
1B-114b	CONTROL
1B-115	RADIOGRAPHIC/FLUOROSCOPIC
1B-115a	W/C TOILET
1B-116	DRESSING
1B-117	DRESSING
1B-118	RADIOGRAPHIC/FLUOROSCOPIC
1B-118a	W/C TOILET
1B-118b	CONTROL
1B-119	RADIOGRAPHIC/FLUOROSCOPIC
1B-119a	W/C TOILET
1B-120	DRESSING
1B-121	W/C TOILET
1B-122	SOILED LINEN
1B-123	CLEAN LINEN
1B-124	TOILET
1B-125	DARKROOM
1B-126	ELECTRIC
1B-127	DARK ROOM
1B-128	EQUIPMENT STORAGE
1B-129	DARK ROOM
1B-130	H.A.C.
1B-131	FILM AND CHEMICAL STG.
1B-132	SPECIAL PROCEDURE
1B-133	CHIEF TECHNICIAN
1B-134	TECHNICIAN
1B-135	CONTROL AND COMPUTER
1B-136	SPECIAL PROCEDURE
1B-137	FILM LIBRARY
1B-138	MULTI-VIEW
1B-139	COMMON VIEWING
1B-140	PHYSICIAN
1B-141	PHYSICIAN
1B-142	CHIEF
1B-143	RESIDENTS AND STUDY
1B-144	PHYSICIAN
1B-145	SECRETARY
1B-146	PHYSICIAN
1B-147	TRANSCRIPTION
1B-148	ADMINISTRATIVE ASSIST.
C1-15	CORRIDOR
C1-16	CORRIDOR
C1-17	CORRIDOR
C1-18	CORRIDOR
C1-19	CORRIDOR
C1-20	WAITING
C1-21	WAITING
C1-22	W/C WAITING
C1-23	RECEPT.
C1-24	CORRIDOR
C1-25	CORRIDOR
C1-26	CORRIDOR
C1-27	CORRIDOR
C1-28	CORRIDOR
C1-29	CORRIDOR
C1-30	CORRIDOR
C1-31	CORRIDOR
C1-32	VIEWING
C1-33	SCRUB AREA
C1-34	BAR. PREP.
C1-35	FILM PROCESSING
C1-36	CORRIDOR
C1-37	CORRIDOR
C1-37a	RECOVERY
C1-38	CORRIDOR

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-4 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-4	-2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-1	-2"	B

8-0-2-2153

BUILDING 100% SPRINKLERED

100A	111	411	811
100A	111	411	811

Revisions	Date
RECORD DRAWINGS	1-15-93
4 SPECIAL PROCEDURES REVISION 2	10-4-90
3 SPECIAL PROCEDURES REVISION	
1 DIETETIC REVISION	3-17-89

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 8930-7
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO
23867 T. J. FERDELMAN
T. E. MONNIG 26766
B. J. WERLING 33948
R. R. WEBER 41297
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

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KEY PLAN

Drawing Title: FIRST FLOOR PLAN AREA I AIR DISTRIBUTION

Approved Project Director: Harold M Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

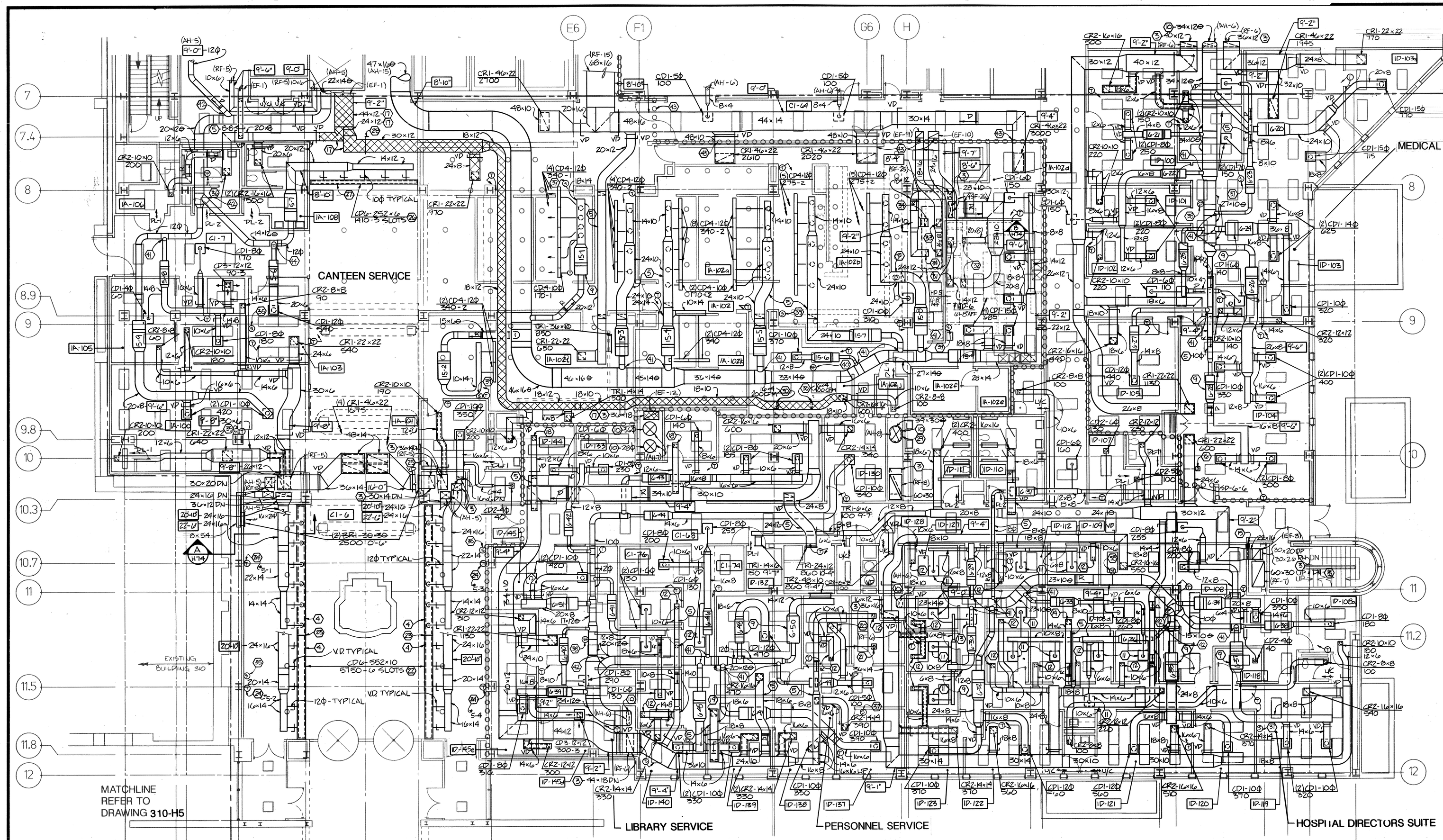
Building Number: 330
Checked: D.K.S.
Drawn: D.L.E.
Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988
Project No. 552-090D
DRAWING NO. 330-H14
Dwg.34 Of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467



ROOM NO.	ROOM NAME
1D-100	PHYSICIANS WORKROOM AND RECORD REVIEW
1D-100a	MEDICAL INFORMATION
1D-100b	MEDICAL INFORMATION
1D-101	RELEASE INFO.
1D-102	WARD ADMIN. SECTION
1D-103	GENERAL OFFICE
1D-103a	CLERICAL
1D-103b	M.A.A.
1D-103c	W.A.S.
1D-104	CONFERENCE
1D-105	TRANSCRIPTS
1D-106	H.A.C.
1D-107	LOUNGE
1D-107a	LOCKERS
1D-107b	TOILET
1D-108	CLERK
1D-108a	SECRETARY
1D-108b	WAITING
1D-108c	COATS
1D-108d	TRAINEES OFFICE
1D-108e	WAITING
1D-109	EEO
1D-110	MALE TOILET
1D-111	FEMALE TOILET
1D-112	OFFICE
1D-113	OFFICE
1D-114	OFFICE
1D-115	OFFICE
1D-116	OFFICE
1D-117	OFFICE
1D-118	STORAGE
1D-119	DIRECTOR
1D-119a	TOILET
1D-120	SECRETARY
1C-121	ASSIST. DIRECTOR
1D-121a	TOILET
1D-122	CHIEF OF STAFF
1D-123	SECRETARY
1D-124	OFFICE
1D-125	OFFICE
1D-126	OFFICE
1D-127	OFFICE
1D-128	LINEN
1D-129	TRASH
1D-130	DINING
1D-131	ELEC. CLOSET
1D-132	SIGNAL CLOSET
1D-133	WAITING
1D-133a	RECORDS
1D-133b	CLERKS
1D-133c	PERSONNEL
1D-134	PLACEMENT/EXAMINING
1D-135	MGMNT. SPEC.
1D-136	STORAGE
1D-137	CHIEF
1D-138	MGMNT. SPEC.
1D-139	MGMNT. SPEC.
1D-140	ASST. CHIEF
1D-141	MGMNT. SPEC.
1D-142	MGMNT. SPEC.
1D-143	MGMNT. SPEC.
1D-144	VETS ASSIST.
1D-145	LIBRARY
1D-145a	CIR. DESK
1D-145b	COMP. ASST. INST.
1D-145c	SHELVING AND SEATING
1D-145d	AUDIO/VISUAL
1D-145e	EQUIPMENT
1D-145f	SHELVING AND SEATING
1A-100	RETAIL STORE
1A-100a	CLOSET
1A-101	SECURITY CCTV
1A-101a	TOILET
1A-101b	STORAGE
1A-102	DINING AREA
1A-102a	CONDIMENTS
1A-102b	SERVING AREA
1A-102c	KITCHEN
1A-102d	FOOD STORAGE
1A-102e	FREEZER
1A-102f	REFRIG.
1A-102g	CORRIDOR
1A-102h	H.A.C.
1A-102i	CORRIDOR
1A-102j	DISHWASHING
1A-102k	DINING AREA
1A-102l	VENDING
1A-102m	VENDING
1A-103	BARBER
1A-104	ADMIN.
1A-104a	OFFICE
1A-105	STORAGE
1A-106	H.A.C.
1A-107	MALE W/C TOILET
1A-108	FEMALE W/C TOILET
C1-1	VEST
C1-2	VEST
C1-3	LOBBY
C1-4	LOBBY
C1-5	LOBBY
C1-6	LOBBY
C1-7	CORRIDOR
C1-12	CORRIDOR
C1-13	CORRIDOR
C1-14	CORRIDOR
C1-59	CORRIDOR
C1-64	CORRIDOR
C1-66	CORRIDOR
C1-67	CORRIDOR
C1-68	CORRIDOR
C1-69	VEST
C1-70	CORRIDOR
C1-71	CORRIDOR
C1-72	KITCHENETTE
C1-73	CORRIDOR
C1-74	WAITING
C1-75	CORRIDOR
C1-76	SECRETARY CLERKS (2)
S-1	STAIRS
CL-3	CART LIFT
CL-4	CART LIFT

NOTES

1. CONNECT EXHAUST DUCT TO KITCHEN HOOD, FULL SIZE OF OUTLET.
2. CONNECT SUPPLY DUCT TO KITCHEN HOOD, FULL SIZE OF INLET. PROVIDE A MANUAL BALANCING DAMPER IN VERTICAL.
3. DUCT THRU FLOOR WITH TYPE "B" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
4. 14"WIDE X 30" HIGH INSULATED PLENUM.
5. DUCT LOCATED IN BEAM SPACE.
6. STAINLESS STEEL DUCT DOWN THRU CEILING. PROVIDE STAINLESS STEEL ESCUTCHEON. CONNECT TO DISHWASHER, FULL SIZE OF OUTLET AND PROVIDE A STAINLESS STEEL VOLUME DAMPER IN VERTICAL, BALANCE TO INDICATED CFM.
7. MITERED 90 DEGREE ELBOW WITH TURNING VANES.
8. THERMOSTAT CONTROLS VAV BOX LOCATED ABOVE CEILING OF FLOOR BELOW.
9. TERMINAL UNIT LOCATED IN BEAM SPACE.
10. DUCT THRU FLOOR WITH TYPE "C" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
11. SUPPLY AIR DEVICE CD1-6"RD, 120 CFM.
12. RETURN AIR REGISTER CR2-8"X8". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
13. SUPPLY AIR DEVICE CD1-4"RD, 60 CFM.
14. RETURN AIR REGISTER CR2-12"X12". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
15. TYPE "B" FIRE DAMPER.
16. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
17. STAINLESS STEEL DUCT.
18. RETURN AIR REGISTER CR2-10"X10". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
19. RETURN AIR REGISTER CR2-16"X16", 430 CFM.
20. SUPPLY AIR DEVICE CD1-6"RD, 130 CFM.
21. SUPPLY AIR DEVICE CD2-4"RD, 70 CFM.
22. ADJUST AIR PATTERN CONTROLLERS SO THAT THE TWO (2) EAST SLOTS THROW AIR HORIZONTALLY EAST, TWO (2) WEST SLOTS THROW AIR HORIZONTALLY WEST, AND THE TWO (2) CENTER SLOTS THROW AIR VERTICALLY DOWNWARD. PROVIDE EXTENSIONS AND FINISH BORDERS AT ENDS TO PROVIDE A COMPLETE INSTALLATION WALL-TO-WALL.
23. PLENUM SEPARATION.
24. THERMOSTAT CONTROLS VAV BOX LOCATED IN BASEMENT.
25. REMOTE AH-UNIT CONTROL PANEL.
26. ADJUST AIR PATTERN CONTROLLERS SO THAT THE TWO (2) SOUTH SLOTS THROW AIR HORIZONTALLY SOUTH AND THE NORTH SLOT THROWS AIR HORIZONTALLY NORTH. PROVIDE EXTENSIONS AND FINISH BORDERS AT ENDS TO PROVIDE A COMPLETE INSTALLATION WALL-TO-SOFFIT.
27. 10" WIDE X 24" HIGH INSULATED PLENUM.
28. STAINLESS STEEL DAMPER.
29. TERMINATE ACOUSTIC LINING 10 FT. ABOVE FLOOR.
30. EXTEND AND CONNECT STAINLESS STEEL DUCT DOWN THRU CEILING AND CONNECT TO DISHWASHER VENT COLLAR. DUCT SHALL BE FULL SIZE OF VENT COLLAR (APPROXIMATE SIZE SHOWN) AND PROVIDED WITH A STAINLESS STEEL MANUAL VOLUME DAMPER, BALANCE TO INDICATED CFM. PROVIDE STAINLESS STEEL OR CHROME PLATED ESCUTCHEON AT CEILING PENETRATION.
31. 20"X10" DUCT DOWN. SMOOTHLY TRANSITION AND CONNECT TO KITCHEN HOOD EXHAUST COLLAR.
32. 20"X8" DUCT DOWN. SMOOTHLY TRANSITION AND CONNECT TO KITCHEN HOOD SUPPLY COLLAR AND PROVIDE MANUAL VOLUME DAMPER, BALANCE TO 800 CFM.
33. 16"X8" DUCT DOWN. SMOOTHLY TRANSITION AND CONNECT TO KITCHEN HOOD EXHAUST COLLAR.
34. 16"X8" DUCT DOWN. SMOOTHLY TRANSITION AND CONNECT TO KITCHEN HOOD SUPPLY COLLAR AND PROVIDE MANUAL VOLUME DAMPER, BALANCE TO 625 CFM.
35. AH-5 SPACE TEMPERATURE SENSOR.
36. AH-5 DUCT STATIC PRESSURE SENSOR.
37. AH-6 SPACE TEMPERATURE SENSOR.
38. AH-6 DUCT STATIC PRESSURE SENSOR.
39. AH-15 SPACE TEMPERATURE SENSOR.
40. AH-15 DUCT STATIC PRESSURE SENSOR.
41. CONICAL TEE FITTING.
42. CONICAL LATERAL FITTING.
43. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.
44. CONICAL TEE ROLLED 45 DEGREES WITH 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH 5, 6, 7, 8 & 15 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS FROM SF 25 & 26	2"	B
SUPPLY DUCTS ON LEAVING SIDE OF TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF- 5, 6, 7, 8 & 15	-2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-1 & 3	-2"	B
EF-9 & 10 EXHAUST DUCTS	-3"	WELDED
EF-12 EXHAUST	-3"	B

8-0-2-2155

BUILDING 100% SPRINKLERED

100A	113	413	813
100A	113	413	813

RECORD DRAWINGS 1-15-93

Revisions △1 AMENDMENT 2 Date 8/8/88

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO — 28867 T. J. FERDELMAN, T. E. MONNIG 26766, B. J. WERLING 33948, R. R. WEBER 41295 — REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

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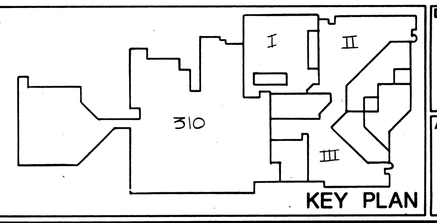


KEY PLAN

Drawing Title: FIRST FLOOR PLAN AREA III AIR DISTRIBUTION

Project Title: BED REPLACEMENT AND MODERNIZATION

Date: JUNE 28, 1988

Project No. 552-090D

Approved Project Director: Harold M Goodie

Building Number 330 | Checked D.L.E | Drawn G.S.E

Location: VAMC - DAYTON, OHIO

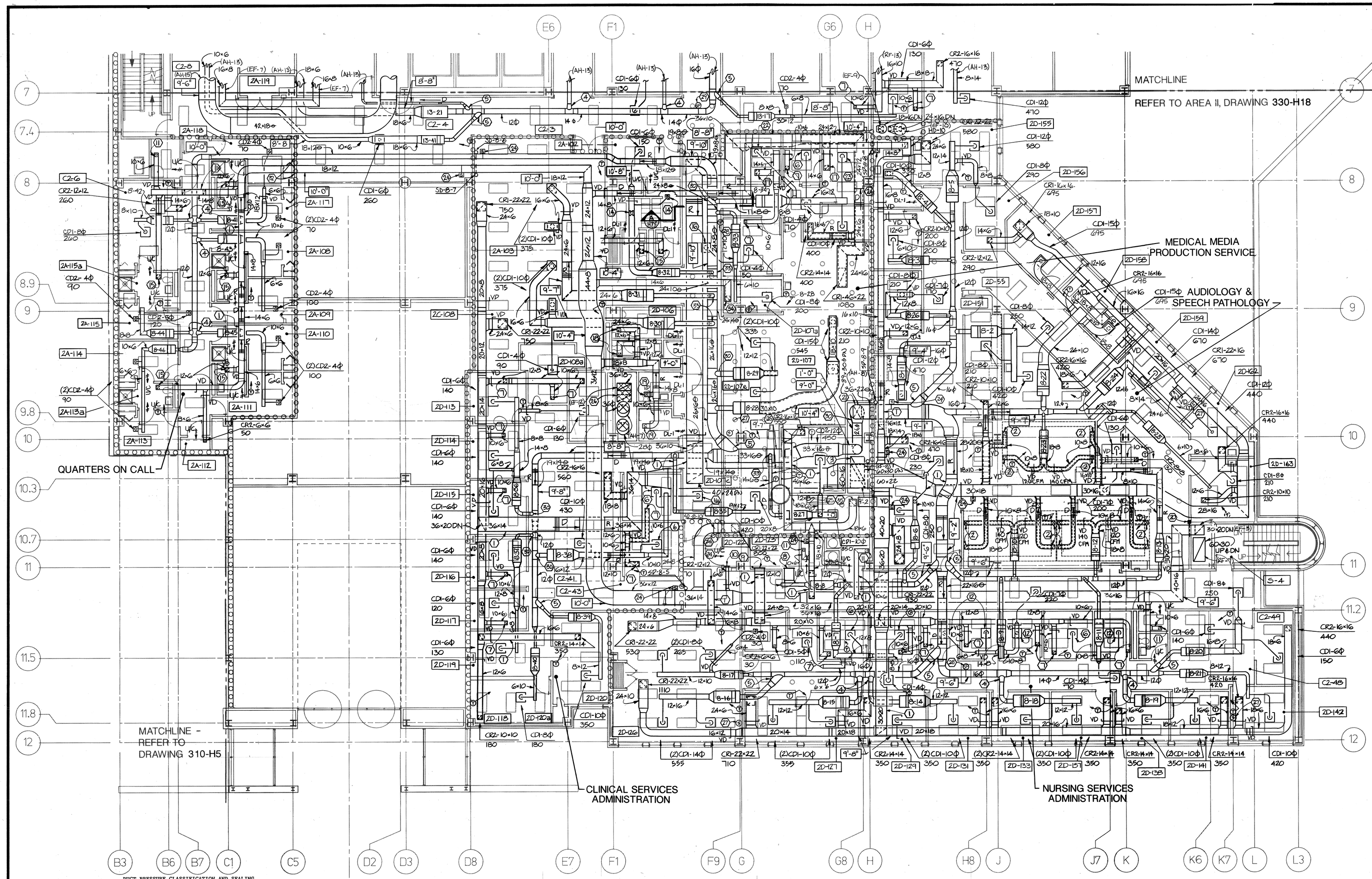
DRAWING NO. 330-H16

Dwg. 36 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467



ROOM NO.	ROOM NAME
2D-100	CCTV
2D-101	CLERK
2D-102	CHIEF
2D-103	MICRO
2D-104	STORAGE
2D-105	FEMALE TOILET
2D-106	MALE TOILET
2D-107	CAMERA STUDIO
2D-107a	STAT. CAM.
2D-107b	DARKROOM
2D-107c	FINISH
2D-107d	PRINT.
2D-107e	ILLUSTRATION
2D-108	CONFERENCE
2D-108a	PROJECTION BOOTH
2D-109	W/C TOILET
2D-110	H.A.C.
2D-111	EXAM.
2D-112	INFECT.
2D-113	DERMA.
2D-114	ENDO.
2D-115	ENDO.
2D-116	RHEUM.
2D-117	ADM.
2D-118	ASST. CHIEF
2D-119	SEC.
2D-120	CHIEF
2D-121	INFECT.
2D-122	SIGNAL CLOSET
2D-123	ELECTRIC CLOSET
2D-124	TRASH ROOM
2D-125	LINEN
2D-126	CLASS
2D-126a	STORAGE
2D-127	TRAINING
2D-128	STAFF COORD.
2D-129	SEC. AND FILE
2D-130	WFAFB
2D-131	ASSOC. EDUC.
2D-132	SEC.
2D-133	SUPV.
2D-134	SEC.
2D-135	SEC.
2D-136	MANAGEMENT
2D-137	ASST. CHIEF
2D-138	ADMIN. ASST.
2D-139	SEC.
2D-140	TOILET
2D-141	ASST. CHIEF
2D-142	CHIEF
2D-143	H.A.C.
2D-144	SOUND SUITE
2D-145	SOUND SUITE
2D-146	SOUND SUITE
2D-147	SOUND SUITE
2D-148	SOUND SUITE
2D-149	SOUND SUITE
2D-150	AURAL REHAB.
2D-151	STORAGE
2D-152	ENG.
2D-153	ACOUST.
2D-154	EAR MLD.
2D-155	CHIEF
2D-156	SEC.
2D-157	EXAM.
2D-158	EXAM.
2D-159	EXAM.
2D-160	GROUP THERAPY
2D-161	TRN.
2D-162	EXAM.
2D-163	EXAM.
2C-108	CONFERENCE
2C-143	CHIEF
2C-144	ADM.
2C-148	CHAIR STORAGE
2A-102	LOUNGE
2A-102a	MALE LOCKER
2A-102b	MALE TOILET
2A-102c	FEMALE LOCKER
2A-102d	FEMALE TOILET
2A-103	CONFERENCE
2A-104	H.A.C.
2A-105	CART LIFT
2A-106	H.A.C.
2A-108	BEDROOM
2A-108a	BATH
2A-109	BEDROOM
2A-110	BEDROOM
2A-110b	BATH
2A-111	BEDROOM
2A-112	LINEN
2A-113	BEDROOM
2A-113a	BATH
2A-114	BEDROOM
2A-115	BEDROOM
2A-115a	BATH
2A-116	BEDROOM
2A-117	BEDROOM
2A-117a	BATH
2A-118	BEDROOM
2A-119	SIGNAL CLOSET
C2-3	CORRIDOR
C2-4	CORRIDOR
C2-6	LOUNGE
C2-7	CORRIDOR
C2-8	CORRIDOR
C2-37	CORRIDOR
C2-38	CORRIDOR
C2-39	CORRIDOR
C2-40	CORRIDOR
C2-41	CORRIDOR
C2-42	CORRIDOR
C2-43	CORRIDOR
C2-44	CORRIDOR
C2-45	CORRIDOR
C2-46	CORRIDOR
C2-47	CORRIDOR
C2-48	CORRIDOR
C2-49	WAITING
C2-50	SEC.
C2-51	WAITING
C2-52	CORRIDOR
C2-53	WAITING
C2-54	CLERK
C2-56	CORRIDOR
S-1	STAIRS
S-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-7, 8 & 13 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-7, 8 & 13	-2"	B
EXHAUST DUCTS ON INLET SIDE OF EF-3 & 7	-2"	B
EF-9 & 10 EXHAUST DUCTS	-3"	WELDED
EF-12 EXHAUST DUCT	-3"	B

NOTES

1. DUCT LOCATED IN BEAM SPACE.
2. CONNECT TO SOUND SUITE WITH FLEXIBLE CONNECTION AND PER MANUFACTURER'S RECOMMENDATION. COORDINATE EXACT LOCATION(S) (MULTIPLE CONNECTIONS MAY BE REQUIRED) WITH SUITE SUPPLIER.
3. DUCT THRU FLOOR WITH TYPE "B" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
4. CONICAL TEE FITTING.
5. CONICAL LATERAL FITTING.
6. SUPPLY AIR DEVICE CD1-6"RD, 130 CFM.
7. RETURN AIR REGISTER CR2-8"X8". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
8. SUPPLY AIR REGISTER TR2-24"X8", 540 CFM AT 9'-8" A.F.F.
9. RETURN AIR REGISTER TR1-24"X8", 540 CFM AT 9'-8" A.F.F.
10. EXHAUST AIR REGISTER TR1-6"X6", 100 CFM AT 9'-8" A.F.F.
11. EXHAUST AIR REGISTER CR2-8"X8", 100 CFM.
12. SUPPLY AIR DEVICE CD1-5"RD, 90 CFM.
13. EXHAUST AIR REGISTER CR2-12"X12". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
14. SUPPLY AIR DEVICE CD2-4"RD, 75 CFM.
15. EXHAUST AIR REGISTER CR2-10"X10", 150 CFM.
16. SUPPLY AIR DEVICE CD1-8"RD, 285 CFM.
17. RETURN AIR REGISTER CR2-12"X12". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
18. EXHAUST AIR REGISTER CR2-10"X10", 200 CFM.
19. EXHAUST AIR REGISTER CR2-8"X8", 120 CFM.
20. TYPE "B" FIRE DAMPER.
21. DUCT THRU FLOOR WITH TYPE "C" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
22. SUPPLY AIR DEVICE CD1-8"RD, 240 CFM.
23. SUPPLY AIR DEVICE CD1-8"RD, 250 CFM.
24. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
25. INSTALL 4" DIAMETER INDIRECT EXHAUST DUCT FROM FILM PROCESSOR TO UNDERSIDE OF EXHAUST REGISTER. SEE DETAIL ON DRAWING H13.
26. STAINLESS STEEL DUCT.
27. AH-8 SPACE TEMPERATURE SENSOR.
28. AH-8 DUCT STATIC PRESSURE SENSOR.
29. AH-13 DUCT STATIC PRESSURE SENSOR.
30. CONICAL TEE FITTING.
31. CONICAL LATERAL FITTING.
32. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.
33. CONICAL TEE ROLLED 45 DEGREES WITH 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.
34. EXHAUST AIR REGISTER CR2-12"X12", 300 CFM.
35. EXHAUST AIR REGISTER CR2-16"X16", 450 CFM.

8-0-2-2158

BUILDING 100% SPRINKLERED

100A	123	423	823
100A	123	423	823

RECORD DRAWINGS 1-15-93

Revisions AMENDMENT 2 Date 8/8/88

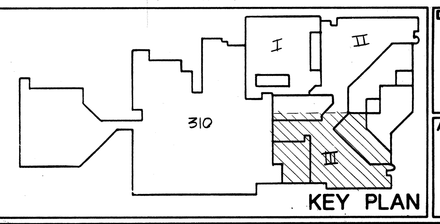
Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO — 38867 T. J. FERDELMAN, T. E. MONNIG 26756, B. J. WERLING 33948, R. R. WEBER 41295 — REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N



KEY PLAN

Drawing Title: SECOND FLOOR PLAN AREA III AIR DISTRIBUTION

Approved Project Director: Harold M. Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: D.L.E. | Drawn: G.S.E.

Location: VAMC - DAYTON, OHIO

Date: JUNE 28 1988

Project No.: 552-090D

DRAWING NO. 330-H19

Dwg. 31 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

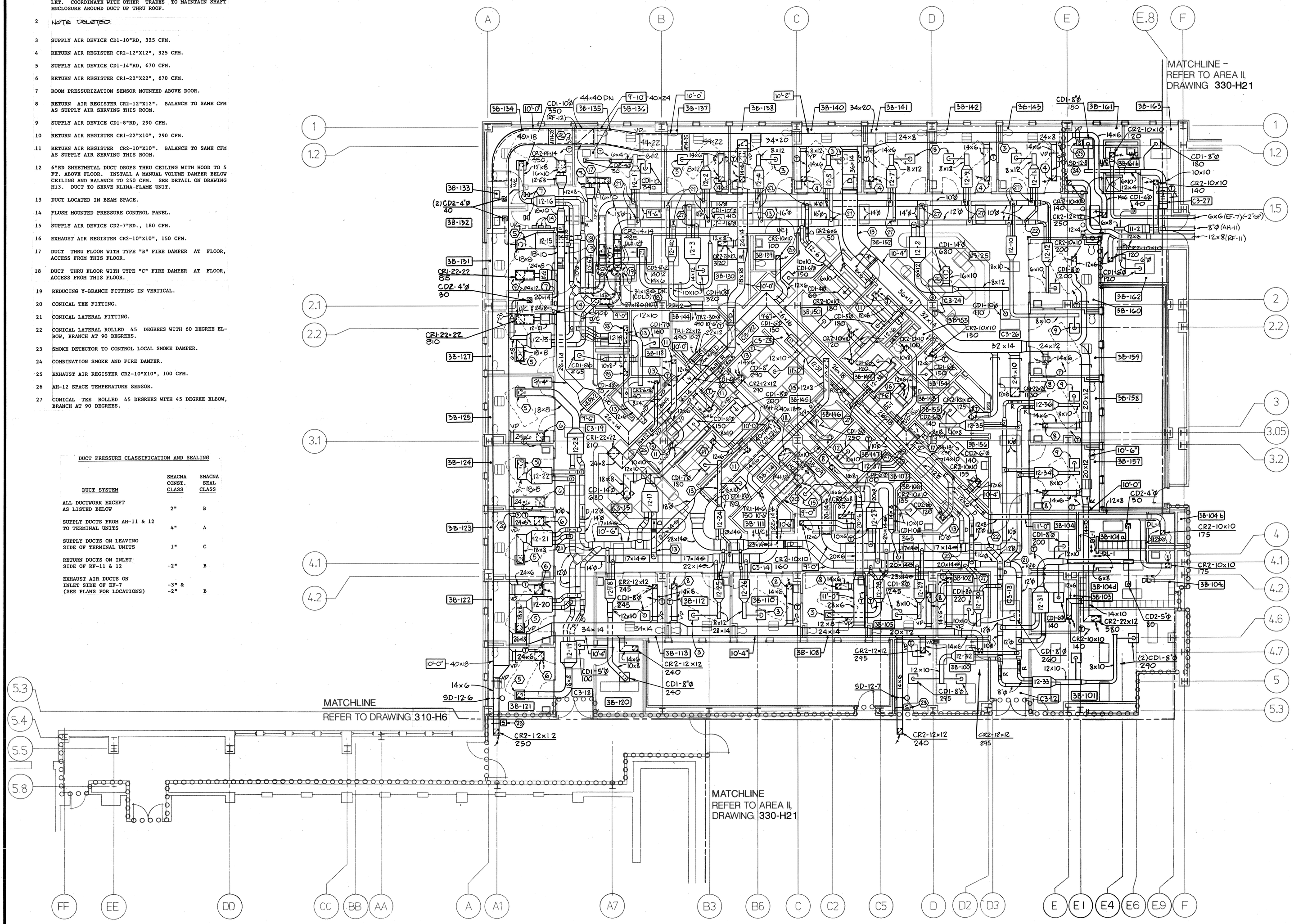
☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467

NOTES

1. TRANSITION DUCT ABOVE CEILING TO FULL SIZE OF FAN INLET. COORDINATE WITH OTHER TRADES TO MAINTAIN SHAFT ENCLOSURE AROUND DUCT UP THRU ROOF.
2. NOTE DELETED.
3. SUPPLY AIR DEVICE CD1-10"RD, 325 CFM.
4. RETURN AIR REGISTER CR2-12"X12", 325 CFM.
5. SUPPLY AIR DEVICE CD1-14"RD, 670 CFM.
6. RETURN AIR REGISTER CR1-22"X22", 670 CFM.
7. ROOM PRESSURIZATION SENSOR MOUNTED ABOVE DOOR.
8. RETURN AIR REGISTER CR2-12"X12". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
9. SUPPLY AIR DEVICE CD1-8"RD, 290 CFM.
10. RETURN AIR REGISTER CR1-22"X10", 290 CFM.
11. RETURN AIR REGISTER CR2-10"X10". BALANCE TO SAME CFM AS SUPPLY AIR SERVING THIS ROOM.
12. 6"RD SHEETMETAL DUCT DROPS THRU CEILING WITH HOOD TO 5 FT. ABOVE FLOOR. INSTALL A MANUAL VOLUME DAMPER BELOW CEILING AND BALANCE TO 250 CFM. SEE DETAIL ON DRAWING H13. DUCT TO SERVE KLINA-FLAME UNIT.
13. DUCT LOCATED IN BEAM SPACE.
14. FLUSH MOUNTED PRESSURE CONTROL PANEL.
15. SUPPLY AIR DEVICE CD2-7"RD., 180 CFM.
16. EXHAUST AIR REGISTER CR2-10"X10", 150 CFM.
17. DUCT THRU FLOOR WITH TYPE "B" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
18. DUCT THRU FLOOR WITH TYPE "C" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
19. REDUCING Y-BRANCH FITTING IN VERTICAL.
20. CONICAL TEE FITTING.
21. CONICAL LATERAL FITTING.
22. CONICAL LATERAL ROLLED 45 DEGREES WITH 60 DEGREE ELBOW, BRANCH AT 90 DEGREES.
23. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
24. COMBINATION SMOKE AND FIRE DAMPER.
25. EXHAUST AIR REGISTER CR2-10"X10", 100 CFM.
26. AH-12 SPACE TEMPERATURE SENSOR.
27. CONICAL TEE ROLLED 45 DEGREES WITH 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-11 & 12 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-11 & 12	-2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-7 (SEE PLANS FOR LOCATIONS)	-3" & -2"	B



ROOM NO.	ROOM NAME
3B-100	CONFERENCE
3B-101	MICU/SICU SURGICAL WAIT.
3B-102	CONS./MED.
3B-103	NURSES INSTR.
3B-104	LOUNGE
3B-104a	MALE LOCKER
3B-104b	MALE TOILET
3B-104c	FEMALE TOILET
3B-104d	FEMALE LOCKER
3B-105	BED CUBICLE
3B-106	SOILED UTILITY
3B-107	W/C AND STRETCHER STG.
3B-108	BED CUBICLE
3B-109	CLEAN UTILITY
3B-110	BED CUBICLE
3B-111	SIGNAL CLOSET
3B-112	BED CUBICLE
3B-113	BED CUBICLE
3B-114	NURSING SUPERVISOR
3B-115	NOURISHMENT
3B-116	MEDICINE
3B-117	PHYSICIAN
3B-118	HEAD NURSE
3B-119	LINEN
3B-120	CONS./MED.
3B-121	BED CUBICLE
3B-122	BED CUBICLE
3B-123	BED CUBICLE
3B-124	BED CUBICLE
3B-125	BED CUBICLE
3B-126	TOILET
3B-127	ISOLATION
3B-128	PATIENT TOILET
3B-129	ANTE ROOM
3B-130	MICU/SICU EQUIP. STG.
3B-131	ISOLATION
3B-132	ANTE ROOM
3B-133	ANTE ROOM
3B-134	ISOLATION
3B-135	ISOLATION
3B-136	ANTE ROOM
3B-137	BED CUBICLE
3B-138	BED CUBICLE
3B-139	PATIENT TOILET
3B-140	BED CUBICLE
3B-141	BED CUBICLE
3B-142	BED CUBICLE
3B-143	BED CUBICLE
3B-144	ELEC. CLOSET
3B-145	HOUSE STAFF
3B-146	BLOOD GAS
3B-147	RESIDENT
3B-148	H.A.C.
3B-149	NURSE CHN.
3B-150	HEAD NURSE
3B-151	NOURISHMENT
3B-152	LINEN
3B-153	TOILET
3B-154	MEDICINE
3B-155	CLEAN UTILITY
3B-156	SOILED UTILITY
3B-157	BED CUBICLE
3B-158	BED CUBICLE
3B-159	BED CUBICLE
3B-160	BED CUBICLE
3B-161	ON-CALL ROOM
3B-161a	TOILET
3B-161b	BATH
3B-162	PHYSICIAN
3B-163	ON-CALL ROOM
C3-12	CORRIDOR
C3-13	CORRIDOR
C3-14	CORRIDOR
C3-15	CONTROL CENTER
C3-16	CORRIDOR
C3-17	CORRIDOR
C3-18	CORRIDOR
C3-19	CORRIDOR
C3-20	CORRIDOR
C3-21	NURSES STATION
C3-22	CORRIDOR
C3-23	CORRIDOR
C3-24	CORRIDOR
C3-25	CONTROL CENTER
C3-26	CORRIDOR
C3-27	CORRIDOR

8-0-2-2159

BUILDING 100% SPRINKLERED

100A	131	431	831
100A	131	431	831

RECORD DRAWINGS 1-15-93
△1 DIETETIC REVISION 3-17-89
Revisions Date

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL-ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO — 28867 T. J. FERDELMAN, 26764 T. E. MONNIG, 32948 B. J. WERLING, 41295 R. R. WEBER — REGISTERED PROFESSIONAL ENGINEERS

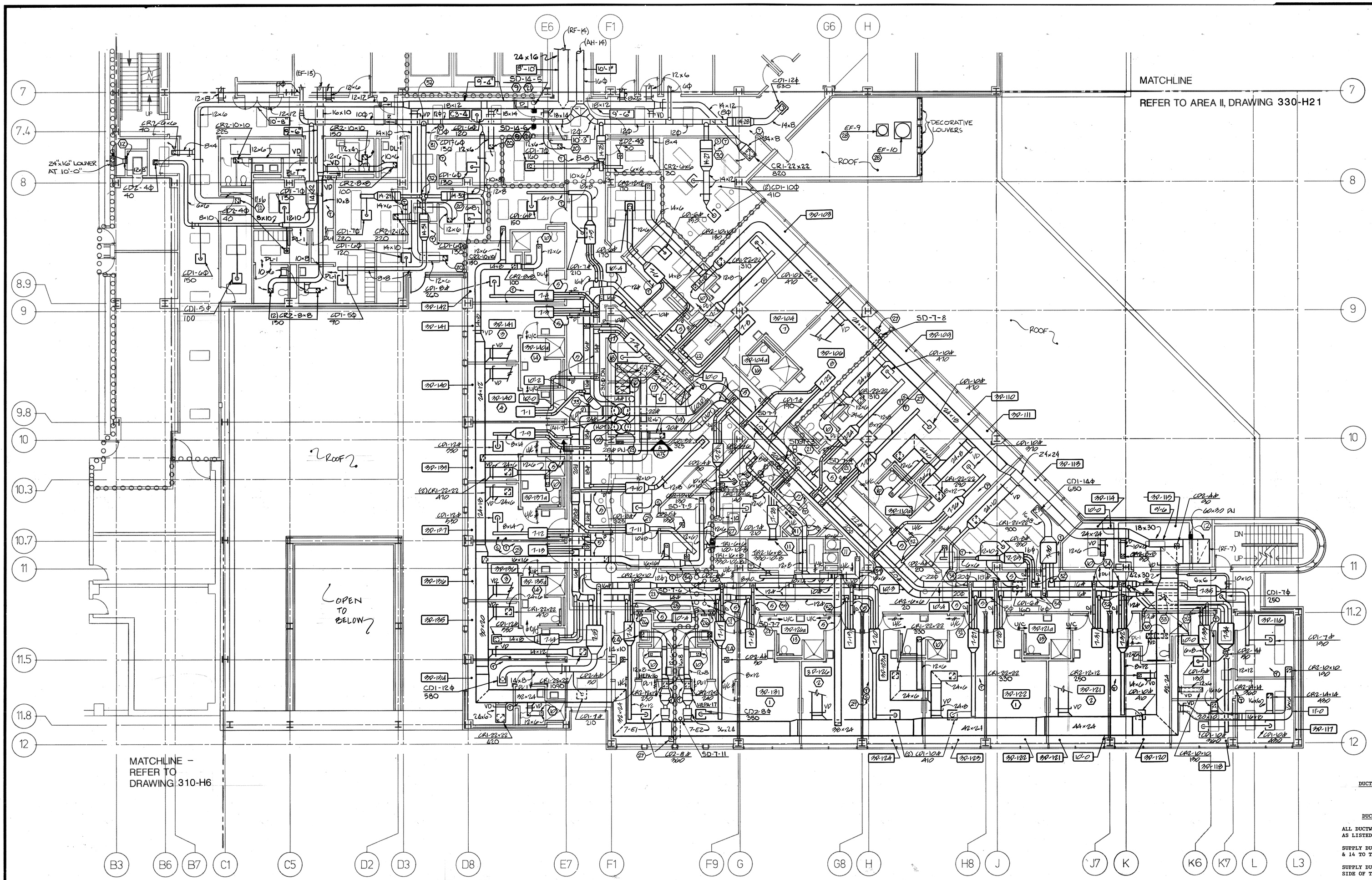
0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N
KEY PLAN

Drawing Title: THIRD FLOOR PLAN AREA I AIR DISTRIBUTION
Approved Project Director: Harold M Goode
Project Title: BED REPLACEMENT AND MODERNIZATION
Building Number: 330
Checked: G.S.E.
Drawn: D.K.S.
Location: VAMC - DAYTON, OHIO
Date: JUNE 28, 1988
Project No.: 552-090D
DRAWING NO.: 330-H20
Dwg.40 Of 95

Veterans Administration

VA FORM 08-6231A MAR 1984



ROOM NO.	ROOM NAME
3A-100	SOCIAL WORK
3A-101	DIETITIAN
3A-102	PSYCHOL.
3A-103	HOUSE STAFF
3A-104	WORKROOM
3A-105	W/C TOILET
3A-107	CART LIFT
3A-108	MALE TOILET
3A-109	LOUNGE
3A-109a	FEMALE LOCKER
3A-109b	TOILET
3A-109c	MALE LOCKER
3A-109d	TOILET
3A-110	FEMALE TOILET
3A-111	UNIF. DISP.
3A-112	O.T. AND R.T. UTIL.
3A-113	SIGNAL CLOSET
3C-169	TWO-BED DIALYSIS TRN.RM.
3C-173	STR. W/C
3D-100	PHYS. OFF. AND EXAM
3D-101	HEAD NURSE
3D-102	SOIL UTILITY
3D-103	TWO-BED ROOM
3S-103a	BATH
3D-104	TWO-BED ROOM
3D-104a	BATH
3D-105	CLEAN UTIL./SPD. SUPPLY
3D-106	TWO-BED ROOM
3D-107	LINEN
3D-108	BATH FACILITY
3D-108a	TOILET
3D-109	TWO-BED ROOM
3D-109a	BATH
3D-110	TWO-BED ROOM
3D-110a	BATH
3D-111	TWO-BED ROOM
3D-112	X-RAY
3D-113	DAYROOM/RECREATION
3D-114	H.A.C.
3D-115	EQUIP. STORAGE
3D-116	PHYS.
3D-117	PHYS.
3D-118	PUBLIC HEALTH
3D-119	PHYS. ASSISTANT
3D-120	TWO-BED ROOM
3D-120a	W/C BATH
3D-121	TWO-BED ROOM
3D-121a	W/C BATH
3D-122	TWO-BED ROOM
3D-123	TWO-BED ROOM
3D-123a	W/C BATH
3D-124	TWO-BED ROOM
3D-125	LINEN
3D-126	TWO-BED ROOM
3D-126a	W/C BATH
3D-127	TRASH ROOM
3D-128	ELEC. CLOSET
3D-129	TWO-BED ROOM
3D-130	SIGNAL CLOSET
3D-131	ANTE ROOM
3D-131a	ISOLATION
3D-131b	W/C BATH
3D-132	NOURISH
3D-133	ANTE ROOM
3D-133a	ISOLATION
3D-133b	W/C BATH
3D-134	ONE-BED ROOM
3D-134a	W/C BATH
3D-135	ONE-BED ROOM
3D-135a	W/C BATH
3D-136	ONE-BED ROOM
3D-137	ONE-BED ROOM
3D-137a	W/C BATH
3D-138	MEDICINE
3D-139	ONE-BED ROOM
3D-140	ONE-BED ROOM
3D-140a	W/C BATH
3D-141	ONE-BED ROOM
3D-142	ONE-BED ROOM
3D-142a	W/C BATH
3D-143	WORKROOM
C3-3	CORRIDOR
C3-4	CORRIDOR
C3-5	CORRIDOR
C3-6	CORRIDOR
C3-7	CORRIDOR
C3-55	CORRIDOR
C3-56	CORRIDOR
C3-57	CORRIDOR
C3-58	CORRIDOR
C3-59	NURSES STATION
C3-60	CORRIDOR
C3-61	CORRIDOR
C3-62	CORRIDOR
C3-63	CORRIDOR
C3-64	CORRIDOR
C3-65	CHART/WARD CLERK/NURSES STA.
S-1	STAIRS
S-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-7 & 14 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-7 & 14	2"	B
EXHAUST DUCTS ON INLET OF EF-13	-2"	B
EF-12 EXHAUST DUCT	-3"	B

NOTES

1. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 3D-124.
2. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 3D-123.
3. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 3D-139.
4. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 3D-137.
5. DUCT LOCATED IN BEAM SPACE.
6. DUCT THRU FLOOR WITH TYPE "B" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
7. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 3D-110.
8. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 3D-111.
9. COMBINATION SMOKE AND FIRE DAMPER.
10. EXHAUST REGISTER CR2-10"X10", 160 CFM.
11. EXHAUST REGISTER CR2-8"X8", 100 CFM.
12. TYPE "B" FIRE DAMPER.
13. AIR DISTRIBUTION LAYOUT SAME AS ROOM 3D-123a.
14. AIR DISTRIBUTION LAYOUT SAME AS ROOM 3D-137a.
15. REDUCING Y-BRANCH FITTING IN VERTICAL.
16. AIR DISTRIBUTION LAYOUT SAME AS ROOM 3D-110a.
17. SUPPLY AIR DEVICE CD2-4" RD., 110 CFM.
18. EXHAUST REGISTER CR2-10"X10", 130 CFM.
19. EXHAUST REGISTER CR2-10"X10", 110 CFM.
20. RETURN AIR REGISTER CR2-10"X10". BALANCE TO SAME CFM AS SUPPLY AIR DIFFUSER SERVING THIS ROOM.
21. SMOKE DAMPER TO BE CONTROLLED BY CORRIDOR DOOR SMOKE DETECTOR.
22. STAINLESS STEEL DUCT.
23. DUCT THRU FLOOR WITH TYPE "C" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
24. EXHAUST REGISTER CR2-8"X8", 50 CFM.
25. FLUSH MOUNTED PRESSURE CONTROL PANEL.
26. ROOM PRESSURIZATION SENSOR. UNIT TO BE MOUNTED HIGH ENOUGH IN WALL TO ALLOW THE CORRIDOR DOOR TO OPEN WITHOUT STRIKING THE UNIT.
27. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
28. SET FAN ON 12" HIGH INSULATED ROOF CURB. PROVIDE TRANSITIONAL FAN CURB CAP FOR PROPER FAN INSTALLATION.
29. AH-7 SPACE TEMPERATURE SENSOR.
30. AH-14 SPACE TEMPERATURE SENSOR.
31. AH-14 DUCT STATIC PRESSURE SENSOR.
32. CONICAL TEE FITTING.
33. CONICAL LATERAL FITTING.
34. CONICAL TEE ROLLED 45 DEGREES WITH A 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.

8-0-2-2161

BUILDING 100% SPRINKLERED

NEURO-SURGICAL N.U.#2

100A	133	433	833
100A	133	433	833

RECORD DRAWINGS 1-15-93

Revisions AMENDMENT 2 Date 8/10/88

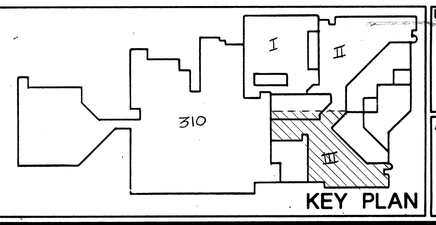
Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO 85367
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO — 28867 T. J. FERDELMAN, T. E. MONNIG 26766, B. J. WERLING 33948, R. N. WEBER 41295 — REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N



KEY PLAN

Drawing Title: THIRD FLOOR PLAN AREA III AIR DISTRIBUTION

Approved Project Director: Harold M Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: D.K.S. | Drawn: G.S.E

Location: VAMC - DAYTON, OHIO

Date: JUNE 28 1988

Project No. 552-090D

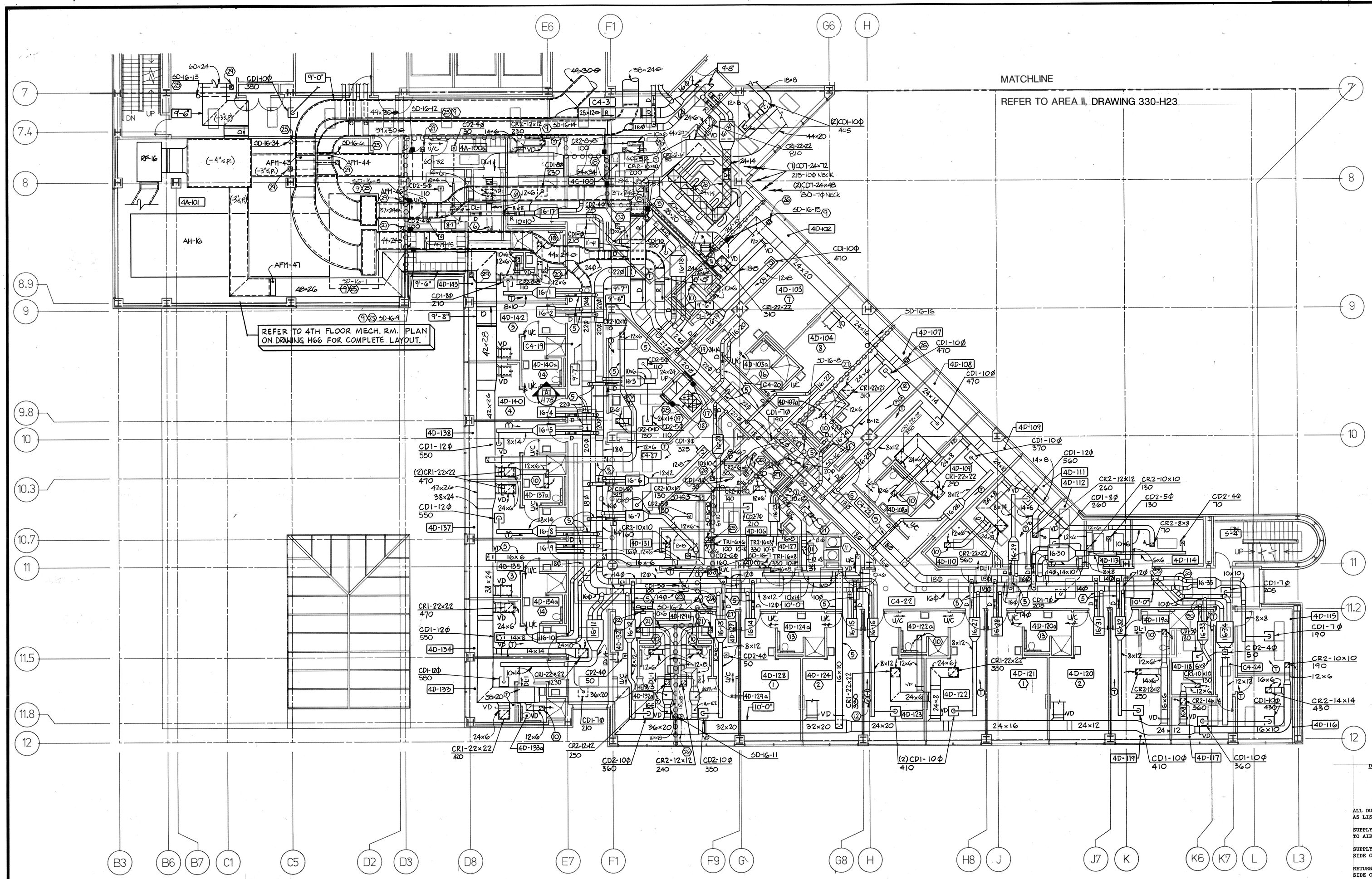
DRAWING NO. 330-H22

Dwg. 42 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467



ROOM NO.	ROOM NAME
4D-100	X-RAY
4D-101	EXAM ROOM
4D-102	TWO-BED ROOM
4D-102a	BATH
4D-103	TWO-BED ROOM
4D-103a	BATH
4D-104	TWO-BED ROOM
4D-105	LINEN
4D-106	BATH FACIL.
4D-106a	TOILET
4D-107	TWO-BED ROOM
4D-107a	BATH
4D-108	TWO-BED ROOM
4D-108a	BATH
4D-109	TWO-BED ROOM
4D-110	H.A.C.
4D-111	EXAM
4D-112	PHYSICIAN
4D-113	PHYS. ASSIST.
4D-114	EQUIP. STORAGE
4D-115	PSYCHOL.
4D-116	UROLOGIST
4D-117	DIETITIAN
4D-118	HEAD NURSE
4D-119	TWO-BED ROOM
4D-119a	W/C BATH
4D-120	TWO-BED ROOM
4D-120a	W/C BATH
4D-121	TWO-BED ROOM
4D-122	TWO-BED ROOM
4D-122a	W/C BATH
4D-123	TWO-BED ROOM
4D-124	TWO-BED ROOM
4D-124a	W/C BATH
4D-125	LINEN
4D-126	TRASH ROOM
4D-127	ELEC. CLOSET
4D-128	TWO-BED ROOM
4D-129	ANTE ROOM
4D-129a	ISOLATION
4D-129b	W/C BATH
4D-130	SIGNAL CLOSET
4D-131	NOURISHMENT
4D-132	ANTE ROOM
4D-132a	ISOLATION
4D-132b	W/C BATH
4D-133	ONE-BED ROOM
4D-133a	W/C BATH
4D-134	ONE-BED ROOM
4D-134a	W/C BATH
4D-135	ONE-BED ROOM
4D-136	MEDICINE
4D-137	ONE-BED ROOM
4D-137a	W/C BATH
4D-138	ONE-BED ROOM
4D-139	SOIL UTILITY
4D-140	ONE-BED ROOM
4D-140a	W/C BATH
4D-141	CLEAN UTIL./SED. SUPPLY
4D-142	ONE-BED ROOM
4D-143	ONE-BED ROOM
4D-143a	W/C BATH
4D-144	WORKROOM
4C-100	TOILET DRESSING
4C-101	CYSTO ROOM
4C-101a	RADIOGRAPHY
4C-102	WORKROOM
4A-100	LOUNGE
4A-100a	MALE LOCKER
4A-100b	W/C TOILET
4A-100c	VEST
4A-100d	W/C TOILET
4A-100e	FEMALE LOCKER
4A-101	MECHANICAL
C4-3	CORRIDOR
C4-4	CORRIDOR
C4-19	CORRIDOR
C4-20	CORRIDOR
C4-21	NURSES STA.
C4-22	CORRIDOR
C4-23	CORRIDOR
C4-24	CORRIDOR
C4-25	CORRIDOR
C4-26	ALCOVE
C4-27	NURSES STA.
S-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-16 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-16 (SEE PLANS)	-3", -4"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-16	2"	B
AH-16 FRESH AIR PLENUM	-2"	B
RF-16 RELIEF AIR PLENUM	2"	B
GENERAL EXHAUST DUCTS FROM CENTRAL RISERS	-2"	B
GENERAL AND FUME HOOD EXHAUST RISERS	-3"	B

8-0-2-2163

NOTES

1. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 4D-123.
2. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 4D-122.
3. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 4D-138.
4. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 4D-137.
5. DUCT LOCATED IN BEAM SPACE.
6. EXHAUST REGISTER CR2-10"X10", 120 CFM.
7. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 4D-108.
8. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 4D-109.
9. COMBINATION SMOKE AND FIRE DAMPER.
10. EXHAUST REGISTER CR2-10"X10", 160 CFM.
11. EXHAUST REGISTER CR2-8"X8", 100 CFM.
12. AH-16 SPACE TEMPERATURE SENSOR.
13. AIR DISTRIBUTION LAYOUT SAME AS ROOM 4D-122a.
14. AIR DISTRIBUTION LAYOUT SAME AS ROOM 4D-137a.
15. MITERED 90 DEGREE ELBOW WITH TURNING VANES.
16. AIR DISTRIBUTION LAYOUT SAME AS ROOM 4D-108a.
17. DUCT THRU FLOOR WITH TYPE "B" FIRE DAMPER AT FLOOR, ACCESS FROM THIS FLOOR.
18. TYPE "B" FIRE DAMPER.
19. CAP DUCT FOR FUTURE EXTENSION.
20. CONICAL LATERAL FITTING.
21. EXHAUST REGISTER CR2-8"X8", 50 CFM.
22. ROOM PRESSURIZATION SENSOR.
23. FLUSH-MOUNTED PRESSURE CONTROL PANEL.
24. ROOM PRESSURIZATION SENSOR. UNIT TO BE MOUNTED HIGH ENOUGH IN WALL TO ALLOW THE CORRIDOR DOOR TO OPEN WITHOUT STRIKING THE UNIT.
25. AH UNIT ISOLATION SMOKE DAMPER.
26. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
27. SMOKE DAMPER CONTROLLED BY CORRIDOR DOOR SMOKE DETECTOR.
28. STAINLESS STEEL DUCTWORK.
29. SMOKE DETECTOR TO CONTROL FAN SHUTDOWN AND AH-UNIT ISOLATION DAMPERS.
30. CONCIAL TEE FITTING.
31. EXHAUST AIR REGISTER BR1-24" X 36", 1535 CFM AT 0'-7" AFF.
32. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.
33. CONICAL LATERAL ROLLED 45 DEGREES WIHT 60 DEGREE ELBOW, BRANCH AT 90 DEGREES.

NEURO-SURGICAL N.U. #1

BUILDING 100% SPRINKLERED

100C	143	443	843	
100C	143	443	843	

RECORD DRAWINGS 1-15-93

Revisions AMENDMENT 2 Date 8/8/88

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO 85307
HEAPY ENGINEERING
MECHANICAL-ELECTRICAL CONSULTANTS
DAYTON - COLUMBUS, OHIO

STATE OF OHIO
20867 T. J. FERDELMAN
T. E. MONNIG 26786
B. J. WERLING 33849
R. R. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N

KEY PLAN

Drawing Title: FOURTH FLOOR PLAN AREA III AIR DISTRIBUTION

Approved Project Director: Harold M. Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: D.K.S. | Drawn: G.S.E.

Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988

Project No. 552-090D

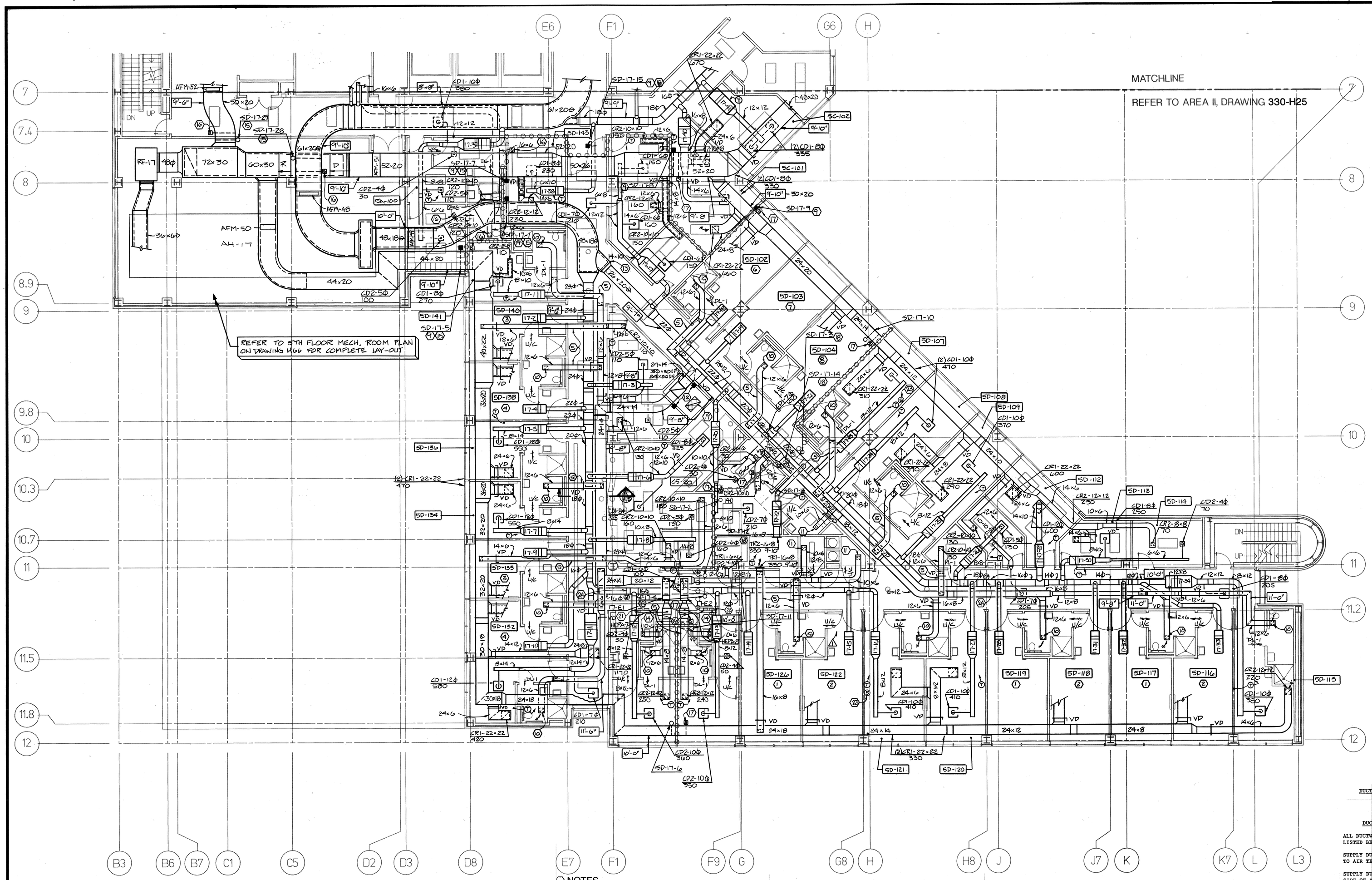
DRAWING NO. 330-H24

Dwg 44 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

U.S. G.P.O. 1984-421-147/10



ROOM NO.	ROOM NAME
5D-100	WORKROOM
5D-101	HEAD NURSE
5D-102	TWO-BED ROOM
5D-102a	BATH
5D-103	TWO-BED ROOM
5D-103a	BATH
5D-104	TWO-BED ROOM
5D-105	LINEN
5D-106	BATH FACIL.
5D-106a	TOILET
5D-107	TWO-BED ROOM
5D-107a	BATH
5D-108	TWO-BED ROOM
5D-108a	BATH
5D-109	TWO-BED ROOM
5D-110	H.A.C.
5D-111	PHYS. ASSIST.
5D-112	EXAM
5D-113	SOCIAL WORK
5D-114	EQUIP. STORAGI
5D-115	ONE-BED ROOM
5D-115a	W/C BATH
5D-116	ONE-BED ROOM
5D-116a	W/C BATH
5D-117	TWO-BED ROOM
5D-118	TWO-BED ROOM
5D-118a	W/C BATH
5D-119	TWO-BED ROOM
5D-120	TWO-BED ROOM
5D-120a	W/C BATH
5D-121	TWO-BED ROOM
5D-122	TWO-BED ROOM
5D-122a	W/C BATH
5D-123	TRASH
5D-124	LINEN
5D-125	ELEC. CLOSET
5D-126	TWO-BED ROOM
5D-127	ANTE ROOM
5D-127a	ISOLATION
5D-127b	W/C BATH
5D-128	SIGNAL CLOSET
5D-129	NOURISHMENT
5D-130	ANTE ROOM
5D-130a	ISOLATION
5D-130b	W/C BATH
5D-131	ONE-BED ROOM
5D-131a	W/C BATH
5D-132	ONE-BED ROOM
5D-132a	W/C BATH
5D-133	ONE-BED ROOM
5D-134	ONE-BED ROOM
5D-134a	W/C BATH
5D-135	MEDICINE
5D-136	ONE-BED ROOM
5D-137	SOIL UTILITY
5D-138	ONE-BED ROOM
5D-138a	W/C BATH
5D-139	CLEAN UTIL./SPD. SUPPLY
5D-140	ONE-BED ROOM
5D-141	ONE-BED ROOM
5D-141a	W/C BATH
5D-143	WORKROOM
5C-100	NURSE SUPV.
5C-101	CLASSROOM STORAGE
5C-102	WORKROOM
5C-103	HOUSE STAFF
5A-100	LOUNGE
5A-100a	MALE LOCKER
5A-100b	W/C TOILET
5A-100c	VEST
5A-100d	W/C TOILET
5A-100e	FEMALE LOCKER
5A-101	MECHANICAL
C5-3	CORRIDOR
C5-4	CORRIDOR
C5-18	CORRIDOR
C5-19	CORRIDOR
C5-20	NURSES STA. CORR.
C5-21	CORRIDOR
C5-23	NURSES STATION
C5-24	ALCOVE
C5-25	WARD CLERK CORR.
C5-26	CORRIDOR
C5-26	CORRIDOR
C5-27	ALCOVE
C5-28	CORRIDOR
C5-29	NURSES STATION
S-4	STAIRS

NOTES

1. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-121.
2. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-120.
3. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-136.
4. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-134.
5. DUCT LOCATED IN BEAM SPACE.
6. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-107.
7. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-108.
8. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 5D-109.
9. COMBINATION SMOKE AND FIRE DAMPER.
10. EXHAUST REGISTER CR2-10"X10", 160 CFM.
11. EXHAUST REGISTER CR2-8"X8", 100 CFM.
12. TYPE "B" FIRE DAMPER.
13. CONICAL LATERAL FITTING.
14. EXHAUST REGISTER CR2-8"X8", 50 CFM.
15. AH-UNIT ISOLATION SMOKE DAMPER.
16. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUT DOWN AND ISOLATION SMOKE DAMPERS.
17. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
18. SMOKE DAMPER CONTROLLED BY CORRIDOR DOOR SMOKE DETECTORS.
19. STAINLESS STEEL DUCTWORK.
20. FLUSH MOUNTED PRESSURE CONTROL PANEL.
21. ROOM PRESSURIZATION SENSOR.
22. ROOM PRESSURIZATION SENSOR. UNIT TO BE MOUNTED HIGH ENOUGH IN WALL TO ALLOW THE CORRIDOR DOOR TO OPEN WITHOUT STRIKING THE UNIT.
23. AH-17 SPACE TEMPERATURE SENSOR.
24. AH-17 DUCT STATIC PRESSURE SENSOR.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-17 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-17	-3"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-17	2"	B
AH-17 FRESH AIR PLENUM	-2"	B
RF-17 RELIEF AIR PLENUM	2"	B
GENERAL EXHAUST DUCTS FROM CENTRAL RISERS	-2"	B
GENERAL AND FUME HOOD EXHAUST RISERS	-3"	B

8-0-2-2165

BUILDING 100% SPRINKLERED

GENERAL MEDICAL N.U. #2

100C	153	453	853
100C	153	453	853

RECORD DRAWINGS 1-15-93

Revisions 1 AMENDMENT 2- Date 8/8/88

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON · COLUMBUS, OHIO

STATE OF OHIO — 20867 T. J. FERDELMAN, T. E. MOHNIG 26766, S. J. WERLING 33948, R. R. WEBER 41295 — REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N

KEY PLAN

Drawing Title: FIFTH FLOOR PLAN AREA III AIR DISTRIBUTION

Approved Project Director: Harold M Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: D.K.S | Drawn: G.S.E

Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988

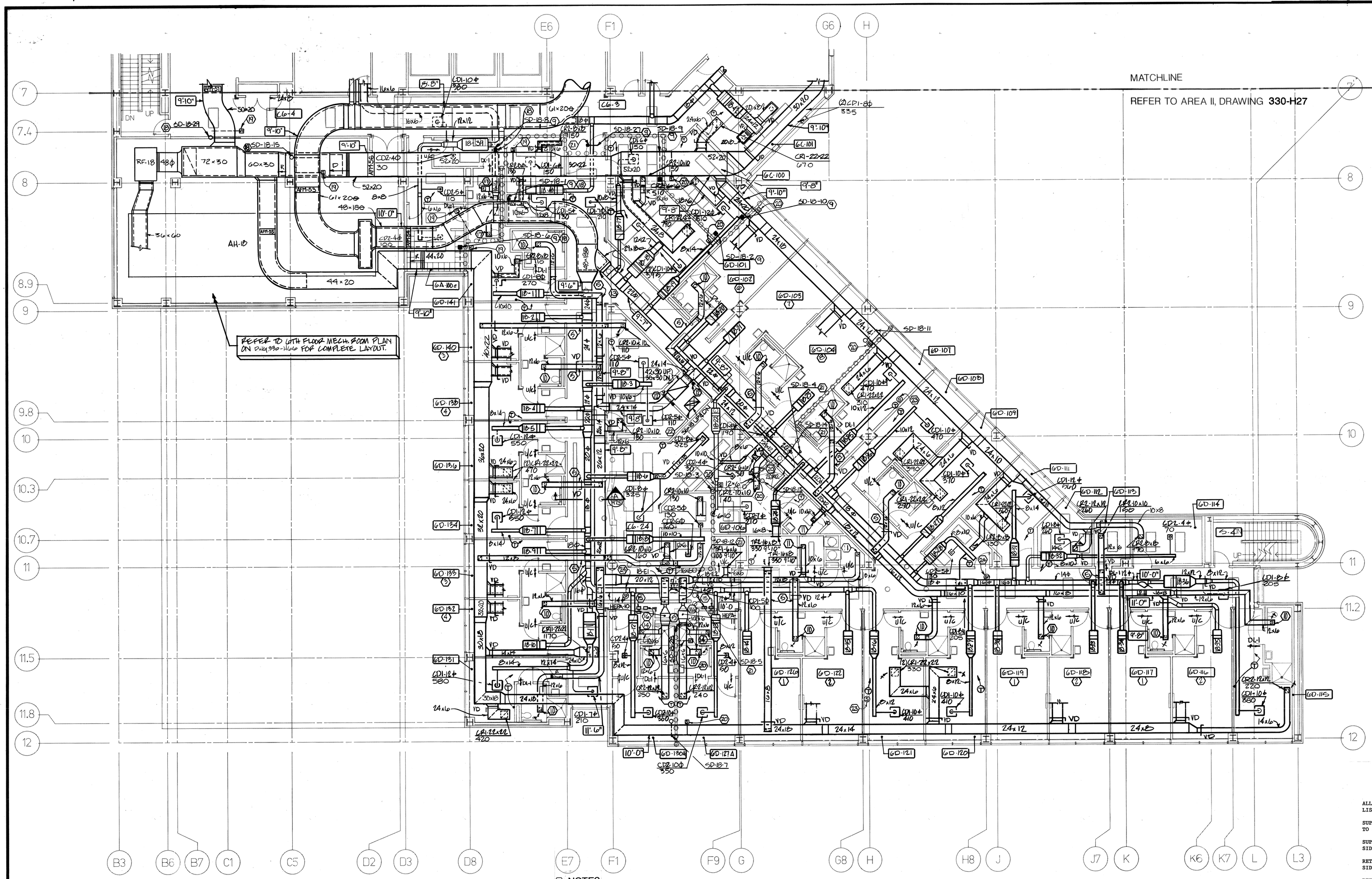
Project No. 552-090D

DRAWING NO. 330-H26
Dwg. 46 Of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

G.P.O. GOVERNMENT PRINTING OFFICE: 1984-440-067



ROOM NO.	ROOM NAME
6A-100	LOUNGE
6A-100a	MALE LOCKER
6A-100b	W/C TOILET
6A-100c	VEST
6A-100d	W/C TOILET
6A-100e	FEMALE LOCKER
6A-101	MECHANICAL
6C-100	HOUSE STAFF
6C-101	WORKROOM
6D-100	HEAD NURSE
6D-101	CLASS/STORAGE
6D-102	TWO-BED ROOM
6D-102a	BATH
6D-103	TWO-BED ROOM
6D-103a	BATH
6D-104	TWO-BED ROOM
6D-105	LINEN
6D-106	BATH FACILITY
6D-106a	TOILET
6D-107	TWO-BED ROOM
6D-107a	BATH
6D-108	TWO-BED ROOM
6D-108a	BATH
6D-109	TWO-BED ROOM
6D-110	PHYS. ASSIST.
6D-111	EXAM
6D-112	SOCIAL WORK
6D-113	H.A.C.
6D-114	EQUIPMENT STG.
6D-115	ONE-BED ROOM
6D-115a	W/C BATH
6D-116	TWO-BED ROOM
6D-116a	W/C BATH
6D-117	TWO-BED ROOM
6D-118	TWO-BED ROOM
6D-118a	W/C BATH
6D-119	TWO-BED ROOM
6D-120	TWO-BED ROOM
6D-120a	W/C BATH
6D-121	TWO-BED ROOM
6D-122	TWO-BED ROOM
6D-122a	W/C BATH
6D-123	LINEN
6D-124	TRASH ROOM
6D-125	ELEC. CLOSET
6D-126	TWO-BED ROOM
6D-127	ANTE ROOM
6D-127a	ISOLATION
6D-127b	W/C BATH
6D-128	SIGNAL CLOSET
6D-129	NOURISH
6D-130	ANTE ROOM
6D-130a	ISOLATION
6D-130b	W/C BATH
6D-131	ONE-BED ROOM
6D-131a	W/C BATH
6D-132	ONE-BED ROOM
6D-132a	W/C BATH
6D-133	ONE-BED ROOM
6D-134	ONE-BED ROOM
6D-134a	W/C BATH
6D-135	MEDICINE
6D-136	ONE-BED ROOM
6D-137	SOIL UTILITY
6D-138	ONE-BED ROOM
6D-138a	W/C BATH
6D-139	CLEAN UTIL./SPD. SUPPLY
6D-140	ONE-BED ROOM
6D-141	ONE-BED ROOM
6D-141a	W/C BATH
6D-142	PHYS.
6D-143	PSYCHOL.
C6-3	CORRIDOR
C6-4	CORRIDOR
C6-17	CORRIDOR
C6-18	CORRIDOR
C6-19	NURSES STATION
C6-20	CORRIDOR
C6-21	CORRIDOR
C6-22	CORRIDOR
C6-23	CORRIDOR
C6-24	NURSES STATION
3-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-18 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-18	-3"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-18	2"	B
AH-18 FRESH AIR PLENUM	-2"	B
RF-18 RELIEF AIR PLENUM	2"	B
GENERAL EXHAUST DUCTS FROM CENTRAL RISERS	-2"	B
GENERAL AND FUME HOOD EXHAUST RISERS	-3"	B

8-0-2-2167

NOTES

1. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-121.
2. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-120.
3. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-136.
4. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-134.
5. DUCT LOCATED IN BEAM SPACE.
6. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-107.
7. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-108.
8. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 6D-109.
9. COMBINATION SMOKE AND FIRE DAMPER.
10. EXHAUST REGISTER CR2-10"X10", 160 CFM.
11. EXHAUST REGISTER CR2-8"X8", 100 CFM.
12. TYPE "B" FIRE DAMPER.
13. CONICAL LATERAL FITTING.
14. EXHAUST REGISTER CR2-8"X8", 50 CFM.
15. ROOM PRESSURIZATION SENSOR.
16. FLUSH MOUNTED PRESSURE CONTROL PANEL.
17. EXHAUST REGISTER CR2-8"X8", 120 CFM.
18. AH-UNIT ISOLATION SMOKE DAMPER.
19. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND ISOLATION SMOKE DAMPERS.
20. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
21. SMOKE DAMPER CONTROLLED BY CORRIDOR DOOR SMOKE DETECTORS.
22. STAINLESS STEEL DUCTWORK.
23. AH-18 SPACE TEMPERATURE SENSOR.
24. AH-18 DUCT STATIC PRESSURE SENSOR.
25. NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.

GENERAL MEDICAL N.U. #3

BUILDING 100% SPRINKLERED

100C	163	463	863	
100C	163	463	863	

RECORD DRAWINGS 1-15-93

Revisions Date

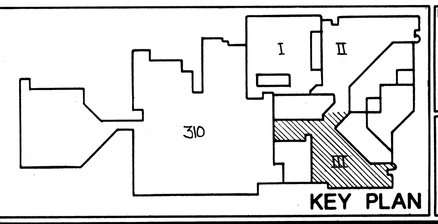
Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON · COLUMBUS, OHIO

STATE OF OHIO
T. J. FERDELMAN 26867
T. E. MOHNIG 26766
B. J. WERLING 32848
R. R. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N



KEY PLAN

Drawing Title: SIXTH FLOOR PLAN AREA III - AIR DISTRIBUTION

Approved Project Director: Harold M. Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

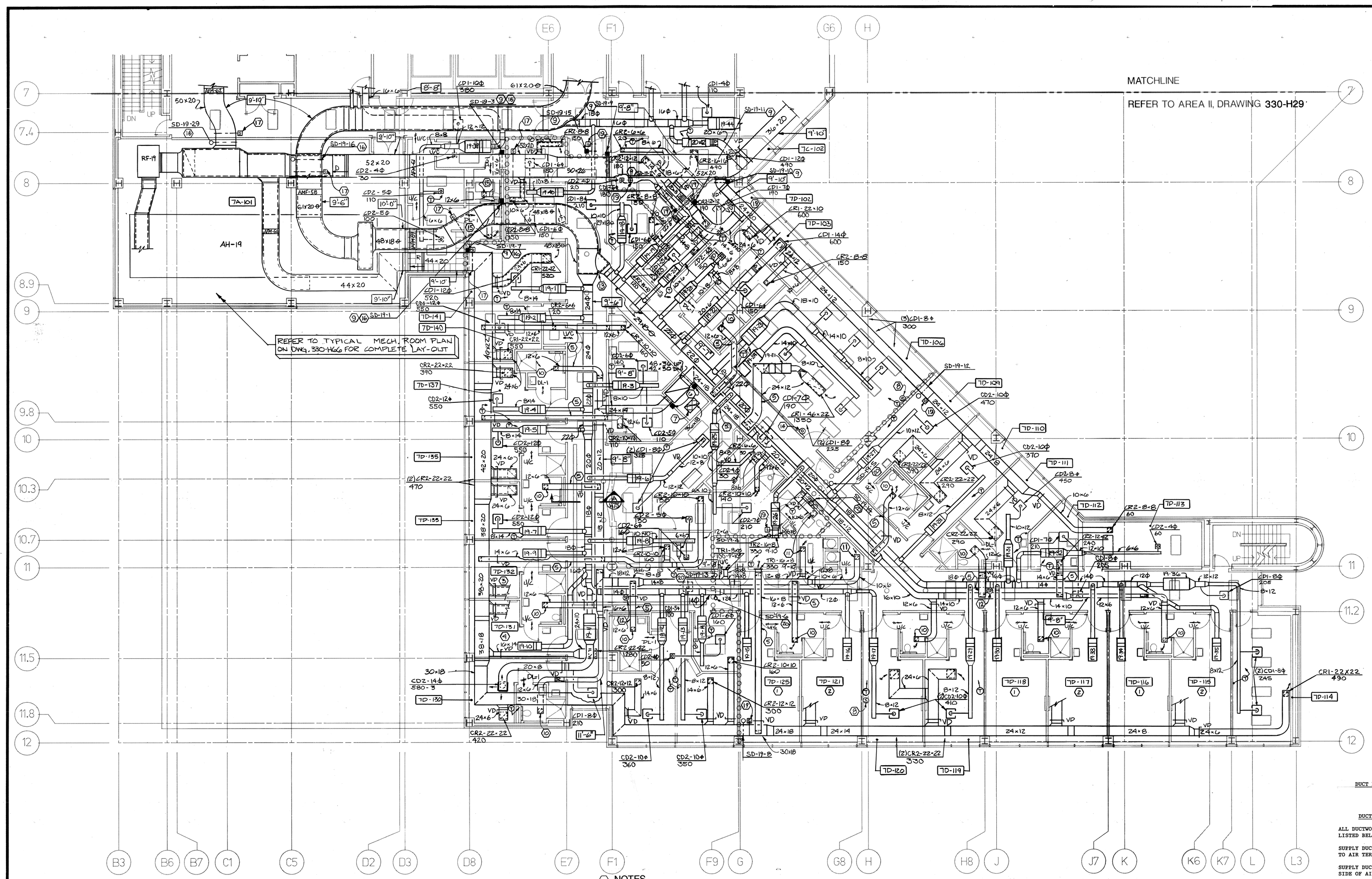
Building Number: 330
Checked: DKS
Drawn: GSE
Location: VAMC - DAYTON, OHIO

Date: JUNE 28 1988
Project No. 552-090D
DRAWING NO. 330-H28
Dwg. 46 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-867



ROOM NO.	ROOM NAME
7A-100	LOUNGE
7A-100a	MALE LOCKERS
7A-100b	W/C TOILET
7A-100c	VEST
7A-100d	W/C TOILET
7A-100e	FEMALE LOCKERS
7A-101	MECHANICAL
7C-100	STR. W/C STOR.
7C-101	WORKROOM
7C-102	OCCUP. THERAPY
7C-103	DAYROOM
7C-104	HOUSE STAFF
7D-100	HEAD NURSE
7D-101	DIET
7D-102	PSYCH.
7D-103	NURSE SUPV.
7D-104	SOCIAL WORK
7D-105	H.A.C.
7D-106	DAYROOM
7D-107	LINEN
7D-108	BATH FACILITY
7C-108a	TOILET
7D-109	TWO-BED ROOM
7D-109a	BATH
7D-110	TWO-BED ROOM
7D-111	QUIET ROOM
7D-112	SOIL UTILITY
7D-113	EQUIPMENT STOR.
7D-114	TWO-BED ROOM
7D-114a	BATH
7D-115	TWO-BED ROOM
7D-115a	W/C BATH
7D-116	TWO-BED ROOM
7D-117	TWO-BED ROOM
7D-117a	W/C BATH
7D-118	TWO-BED ROOM
7D-119	TWO-BED ROOM
7D-119a	W/C BATH
7D-120	TWO-BED ROOM
7D-121	TWO-BED ROOM
7D-121a	W/C BATH
7D-122	LINEN
7D-123	TRASH ROOM
7D-124	ELEC. CLOSET
7D-125	TWO-BED ROOM
7D-126	SIGNAL CLOSET
7D-127	PHYS. ASSIST.
7D-128	ANTE ROOM
7D-128a	SECL.
7D-128b	SECL.
7D-128c	W/C BATH
7D-129	NOURISH.
7D-130	ONE-BED ROOM
7D-130a	W/C BATH
7D-131	ONE-BED ROOM
7D-131a	W/C BATH
7D-132	ONE-BED ROOM
7D-133	ONE-BED ROOM
7D-133a	W/C BATH
7D-134	MEDICINE
7D-135	ONE-BED ROOM
7D-136	CLEAN UTILITY/SPD. SUPPLY
7D-137	ONE-BED ROOM
7D-137a	W/C BATH
7D-138	X-RAY
7D-139	EXAM
7D-140	PSYCHOL.
7D-141	GROUP THERAPY
7D-142	SOCIAL WORK
7D-143	INTERVIEW/CONSUL.
C7-3	CORRIDOR
C7-4	CORRIDOR
C7-18	CORRIDOR
C7-19	CORRIDOR
C7-21	NURSES STA.
C7-22	CORRIDOR
C7-23	CORRIDOR
C7-24	CORRIDOR
C7-25	NURSES STATION
S-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-19 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-19	-3"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-19	2"	B
AH-19 FRESH AIR PLENUM	-2"	B
RF-19 RELIEF AIR PLENUM	2"	B
GENERAL EXHAUST DUCTS FROM CENTRAL RISERS	-2"	B
GENERAL AND FUME HOOD EXHAUST RISERS	-3"	B

8-0-2-2169

NOTES

1. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 7D-120.
2. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 7D-119.
3. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 7D-135.
4. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 7D-133.
5. DUCT LOCATED IN BEAM SPACE.
6. TYPE "B" FIRE DAMPER.
7. STAINLESS STEEL DUCTWORK.
8. AH-19 SPACE TEMPERATURE SENSOR.
9. COMBINATION SMOKE AND FIRE DAMPER.
10. EXHAUST REGISTER CR2-10"X10", 160 CFM.
11. EXHAUST REGISTER CR2-8"X8", 100 CFM.
12. AH-19 DUCT STATIC PRESSURE SENSOR.
13. CONICAL LATERAL FITTING.
14. "OCCUPIED/UNOCCUPIED" MANUAL WALL SWITCH.
15. EXHAUST REGISTER, CR2-8"X8", 120 CFM.
16. AH-UNIT SMOKE ISOLATION DAMPER.
17. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND ISOLATION SMOKE DAMPERS.
18. NOTE OMITTED.
19. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
20. SMOKE DAMPER TO BE CONTROLLED BY CORRIDOR DOOR SMOKE DETECTORS.

GENERAL NOTES

A. ALL THERMOSTATS ON THIS FLOOR TO BE ASPIRATING TYPE.

MH&B/PSYCHIATRIC N.U. #2 (LOCKED UNIT)

BUILDING 100% SPRINKLERED

100A	173	473	873
100C	173	473	873

RECORD DRAWINGS 1-15-93

Revisions | Date

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON COLUMBUS OHIO

STATE OF OHIO
20867 T. J. FERDELMAN
T. E. MONNIG 26766
R. J. WERLING 33948
R. R. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

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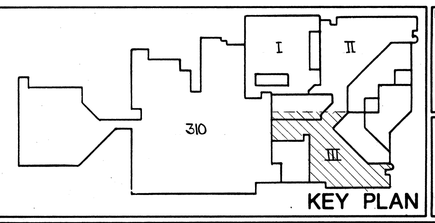


KEY PLAN

Drawing Title: SEVENTH FLOOR PLAN AREA III AIR DISTRIBUTION

Project Title: BED REPLACEMENT AND MODERNIZATION

Date: JUNE 28 1988

Project No. 552-090D

Approved Project Director: Harold M. Brooks

Building Number 330 | Checked D.K.S. | Drawn G.S.E.

Location: VAMC - DAYTON, OHIO

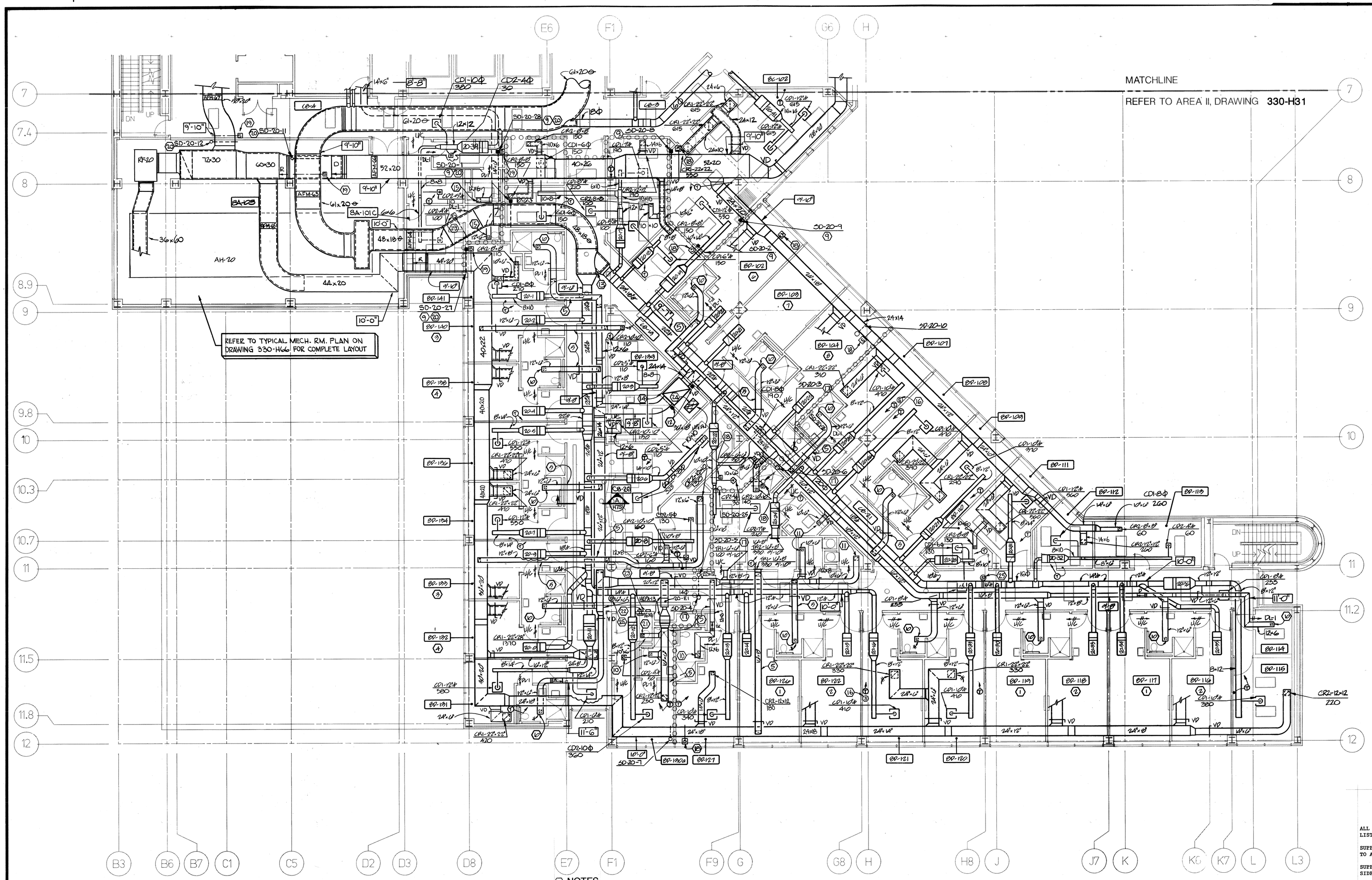
DRAWING NO. 330-H30

Dwg. 50 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-487



ROOM NO.	ROOM NAME
8A-100	PHYS.
8A-101	LOUNGE
8A-101a	MALE LOCKERS
8A-101b	W/C TOILET
8A-101c	VEST
8A-101d	W/C TOILET
8A-101e	F. LOCKER
8A-103	MECHANICAL
8C-100	WORKROOM
8C-101	CLASSROOM STORAGE
8C-102	CLASSROOM
8D-100	HOUSE STAFF
8D-101	HEAD NURSE
8D-102	TWO-BED ROOM
8D-102a	BATH
8C-103	TWO-BED ROOM
8D-103a	BATH
8D-104	TWO-BED ROOM
8D-105	LINEN
8D-106	BATH FACILITY
8D-106a	TOILET
8D-107	TWO-BED ROOM
8D-107a	BATH
8D-108	TWO-BED ROOM
8D-108a	BATH
8D-109	TWO-BED ROOM
8D-110	PHYS. ASSIST.
8D-111	EXAM
8D-112	SOCIAL WORK
8D-113	EQUIPMENT STOR.
8D-114	H.A.C.
8D-115	STRETCHER AND W/C BATH
8D-116	TWO-BED ROOM
8D-116a	W/C BATH
8D-117	TWO-BED ROOM
8D-118	TWO-BED ROOM
8D-118a	W/C BATH
8D-119	TWO-BED ROOM
8D-120	TWO-BED ROOM
8D-120a	W/C BATH
8D-121	TWO-BED ROOM
8D-122	TWO-BED ROOM
8D-122a	W/C BATH
8D-123	LINEN
8D-124	TRASH ROOM
8D-125	ELEC. CLOSET
8D-126	TWO-BED ROOM
8D-127	ONE-BED ROOM
8D-127a	W/C BATH
8D-128	SIGNAL CLOSET
8D-129	NOURISH
8D-130	ANTE ROOM
8D-130a	ISOLATION
8D-130b	W/C BATH
8D-131	ONE-BED ROOM
8D-131a	W/C BATH
8D-132	ONE-BED ROOM
8D-132a	W/C BATH
8D-133	ONE-BED ROOM
8D-134	ONE-BED ROOM
8D-134a	W/C BATH
8D-135	MEDICINE
8D-136	ONE-BED ROOM
8D-137	SOIL UTILITY
8D-138	ONE-BED ROOM
8D-138a	W/C BATH
8D-139	CLEAN UTIL./SPD. SUPPLY
8D-140	ONE-BED ROOM
8D-141	ONE-BED ROOM
8D-141a	W/C BATH
8D-142	PHYS.
C8-3	CORRIDOR
C8-4	CORRIDOR
C8-18	CORRIDOR
C8-19	CORRIDOR
C8-20	NURSES STATION
C8-21	CORRIDOR
C8-22	CORRIDOR
C8-23	CORRIDOR
C8-24	CORRIDOR
C8-25	ALCOVE
C8-26	NURSES STATION
S-4	STAIRS

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-20 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-20	-3"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-20	2"	B
AH-20 FRESH AIR PLENUM	-2"	B
RF-20 RELIEF AIR PLENUM	2"	B
GENERAL EXHAUST DUCTS FROM CENTRAL RISERS	-2"	B
GENERAL AND FUME HOOD EXHAUST RISERS	-3"	B

NOTES

1. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-121.
2. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-120.
3. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-136.
4. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-134.
5. DUCT LOCATED IN BEAM SPACE.
6. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-107.
7. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-108.
8. AIR DISTRIBUTION LAYOUT AND CONTROLS SAME AS ROOM 8D-109.
9. COMBINATION SMOKE AND FIRE DAMPER.
10. EXHAUST REGISTER CR2-10"X10", 160 CFM.
11. EXHAUST REGISTER CR2-8"X8", 100 CFM.
12. TYPE "B" FIRE DAMPER.
13. CONICAL LATERAL FITTING.
14. 60"X36" UP AND 48"X36" DOWN.
15. EXHAUST REGISTER CR2-8"X8", 120 CFM.
16. AH-20 SPACE TEMEPRATURE SENSOR.
17. SMOKE DAMPER TO BE CONTROLLED BY CORRIDOR DOOR SMOKE DETECTORS.
18. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
19. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND I-SOLATION SMOKE DAMPERS.
20. AH-UNIT ISOLATION SMOKE DAMPER.
21. EXHAUST REGISTER CR2-8"X8", 50 CFM.
22. ROOM PRESSURIZATION SENSOR.
23. FLUSH MOUNTED PRESSURE CONTROL PANEL.
24. STAINLESS STEEL DUCTWORK.
25. AH-20 DUCT STATIC PRESSURE SENSOR.

INTERMEDIATE N.U. #4

8-0-2-2171

BUILDING 100% SPRINKLERED

100C	183	483	883	
100C	183	483	883	

RECORD DRAWINGS 1-15-93

Revisions | Date

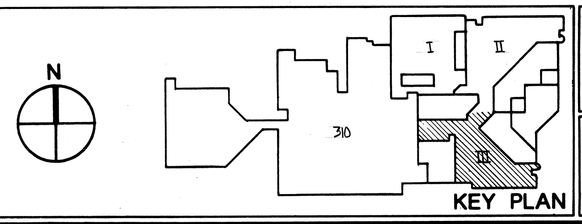
Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON - COLUMBUS OHIO

STATE OF OHIO — REGISTERED PROFESSIONAL ENGINEERS — 26867 T. J. FERDELMAN, 26766 T. E. MONING, 33948 B. J. WERLING, 41296 R. R. WEBER

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N



KEY PLAN

Drawing Title: EIGHTH FLOOR PLAN AREA III- AIR DISTRIBUTION

Approved Project Director: Harold M Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: D.K.S. | Drawn: G.S.E.

Location: VAMC - DAYTON, OHIO

Date: JUNE 28 1988

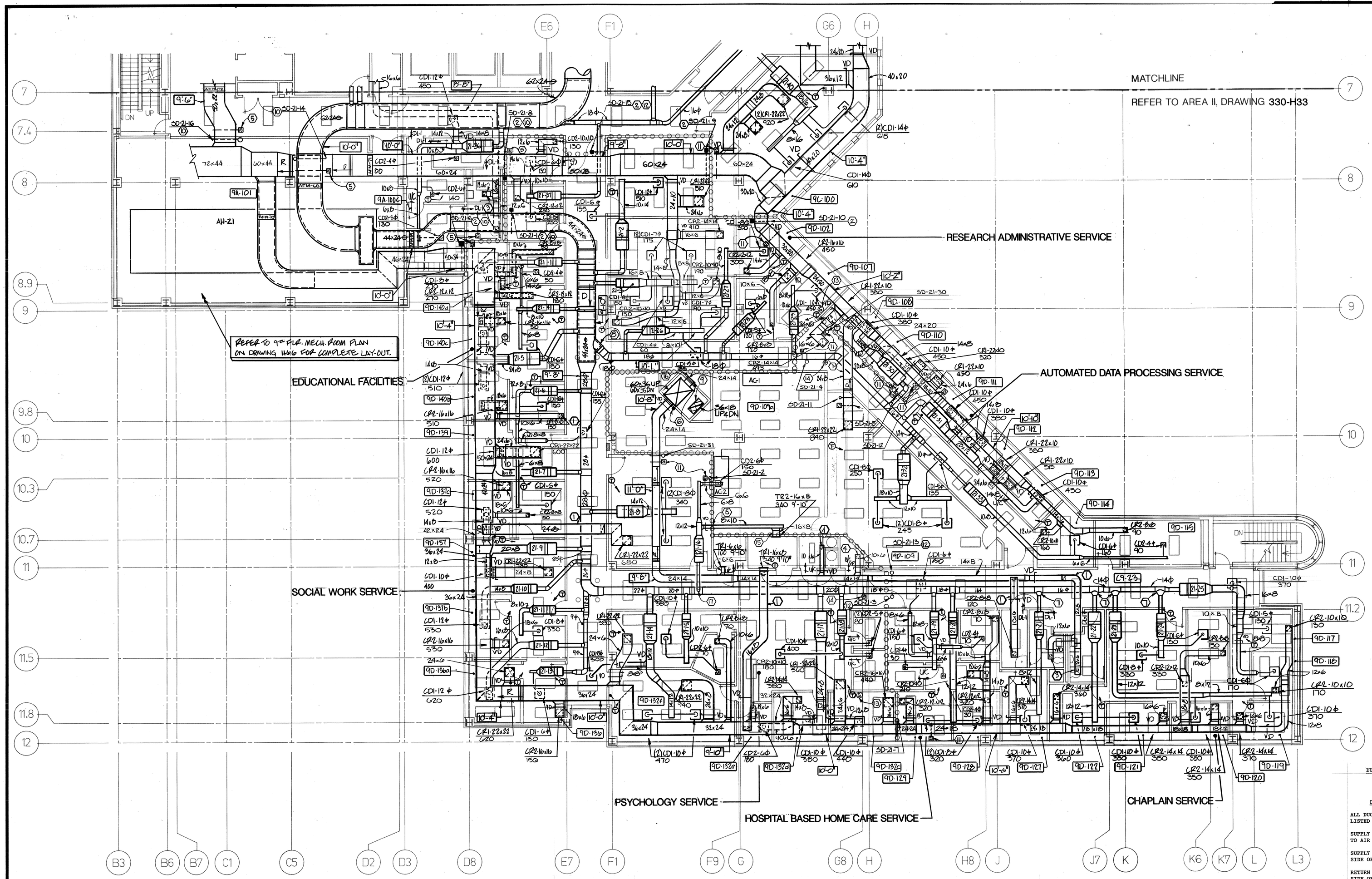
Project No. 552-090D

DRAWING NO. 330-H32

Veterans Administration

VA FORM 08-6231A, MAR 1984

G.P.O. 1988-202-147



ROOM NO.	ROOM NAME
9A-100	LOUNGE
9A-100a	MALE LOCKERS
9A-100b	W/C TOILET
9A-100c	FEMALE LOCKERS
9A-100d	W/C TOILET
9A-101	MECHANICAL
9C-100	MULTI-PURPOSE
9D-100	EDUCATION CONF.
9D-101	ADMIN. ASSIST.
9D-102	CHIEF
9D-103	COMP.
9D-104	STORAGE
9D-105	VADATS EQUIP.
9D-106	SECRETARY
9D-107	CHIEF
9D-108	PROGRAM
9D-109	WORKSTATIONS
9D-109a	COMPUTER EQUIP.
9D-110	PROGRAM
9D-111	PROGRAM
9D-112	PROGRAM
9D-113	PROGRAM
9D-114	SECURE STORAGE
9D-115	STORAGE
9D-116	CHAPLAIN
9D-117	CHAPLAIN
9D-118	CHAPLAIN
9D-119	CHAPLAIN
9D-120	CHAPLAIN
9D-121	CHAPLAIN
9D-122	CHIEF CHAPLAIN
9D-123	MALE TOILET
9D-124	FEMALE TOILET
9D-125	H.A.C.
9D-126	SOCIAL WORKER
9D-127	REHAB. MD & DIET
9D-128	NURSE OFFICE
9D-129	NURSE COORD.
9D-130	STORAGE
9D-131	LINEN
9D-132	SEC'Y-CLERK
9D-132a	TRAINING
9D-132b	TRAINING
9D-132c	CHIEF
9D-132d	TECH.
9D-132e	TRAINING
9D-132f	GROUP TESTING
9D-132g	OBSERVATION
9D-132h	MULTI-PURPOSE
9D-133	TRASH
9D-134	ELEC. CLOSET
9D-135	SIGNAL CLOSET
9D-136	SECRETARY
9D-136a	CHIEF
9D-137	CLERICAL
9D-137a	WAITING
9D-137b	TRAINEES
9D-137c	SOCIAL WORK
9D-137d	SOCIAL WORK
9D-138	MULTI-PURPOSE
9D-139	CHIEF
9C-140	WAITING/SECRETARY
9D-140a	SECRETARY
9D-140b	INST.
9D-140c	ADMIN. ASSIST.
9D-140d	INST.
9D-140e	STORAGE
9D-141	REFRO. & SUPPLU
9D-142	SOCIAL WORKER
9D-143	ELEC. ROOM
9D-144	SECRETARY
9D-144a	CHIEF
9D-150	SOCIAL WORK
C9-18	CORRIDOR
C9-19	CLERICAL
C9-20	SECRETARY/CLERICAL
C9-21	CORRIDOR
C9-22	CORRIDOR
C9-23	CORRIDOR
C9-24	SECRETARY CLERK AND WAITING
C9-25	CORRIDOR
C9-26	SECRETARY
C9-27	CORRIDOR
C9-28	CORRIDOR

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-21 TO AIR TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-21	-3"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-21	2"	B
AH-21 FRESH AIR PLENUM	-2"	B
RF-21 RELIEF AIR PLENUM	2"	B
GENERAL EXHAUST DUCTS FROM CENTRAL RISERS	-2"	B
GENERAL AND FUME HOOD EXHAUST RISERS	-3"	B

8-0-2-2173

GENERAL NOTES

A. ALL RETURN AIR DUCTWORK ON THIS FLOOR TO BE EXTERNALLY INSULATED EXCEPT WHERE DUCTWORK IS TO BE ACOUSTICALLY LINED.

NOTES

1 DUCT LOCATED IN BEAM SPACE.

2 COMBINATION SMOKE AND FIRE DAMPER.

3 EXHAUST REGISTER CR2-10"X10", 120 CFM.

4 EXHAUST REGISTER CR2-8"X8", 100 CFM.

5 SMOKE DETECTOR TO CONTROL AH-UNIT ISOLATION DAMPERS AND FAN SHUTDOWN.

6 TYPE "B" FIRE DAMPER.

7 CONICAL TEE FITTING.

8 CONICAL LATERAL FITTING.

9 STAINLESS STEEL DUCT.

10 AH-UNIT ISOLATION SMOKE DAMPER.

11 SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.

12 SMOKE DAMPER CONTROLLED BY CORRIDOR DOOR SMOKE DETECTOR.

13 AH-21 SPACE TEMPERATURE SENSOR.

14 AH-21 DUCT STATIC PRESSURE SENSOR.

15 NO SMOKE DAMPER REQUIRED IN DUCT AT THIS LOCATION.

16 CAP DUCT FOR FUTURE EXTENSION.

17 CONICAL TEE ROLLED 45 DEGREES WITH 45 DEGREE ELBOW, BRANCH AT 90 DEGREES.

BUILDING 100% SPRINKLERED

100C	193	493	893	
100C	193	493	893	

RECORD DRAWINGS 1-15-93
⚠ COMPUTER ROOM REVISION 4-6-90
Revisions ⚠ AMENDMENT 2 Date 3/8/88

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85310
HEAPY ENGINEERING
MECHANICAL, ELECTRICAL CONSULTANTS
DAYTON - COLUMBUS, OHIO

STATE OF OHIO
28867 T. J. FERDELMAN
T. E. MONNIG 28786
B. J. WERLING 33948
R. W. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

N
KEY PLAN

Drawing Title: NINTH FLOOR AREA III - AIR DISTRIBUTION

Project Title: BED REPLACEMENT AND MODERNIZATION

Date: JUNE 28, 1988

Project No. 552-090D

Approved Project Director: Harold M. Goode

Building Number: 330

Checked: D.K.S.

Drawn: G.S.E.

Location: VAMC - DAYTON, OHIO

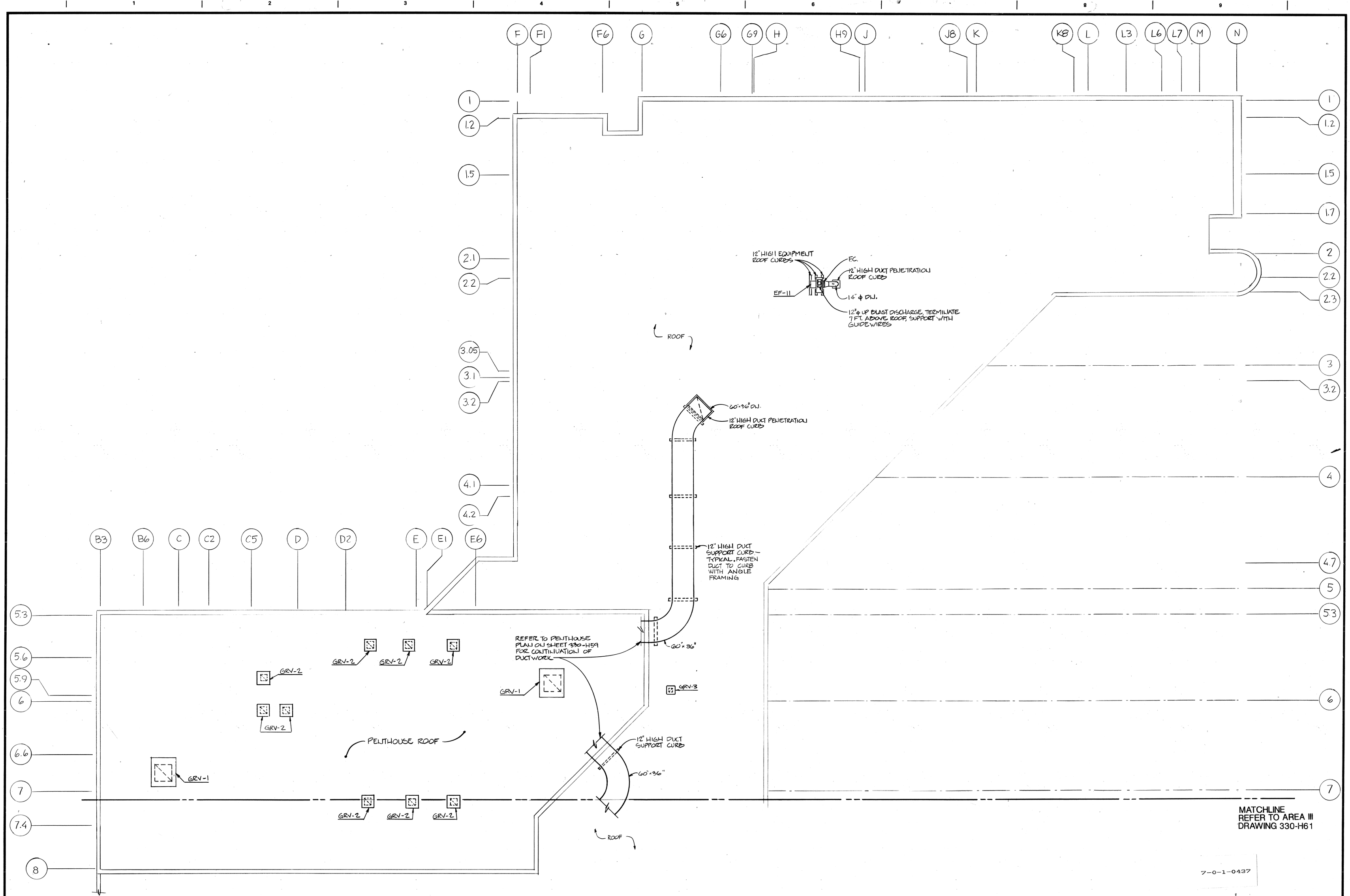
DRAWING NO. 330-H34

Dwg. 54 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-442-487



7-0-1-0437

BUILDING 100% SPRINKLERED

Revisions	Date

Levin–Porter Heapy Bohm–NBBJ
a joint venture

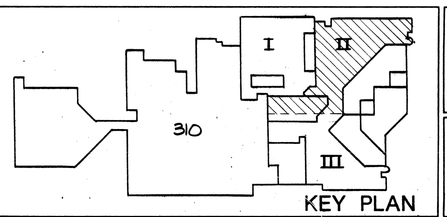
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85397
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON – COLUMBUS, OHIO

STATE OF OHIO
23867 T. J. FERDELMAN
T. E. MONNIG 26766
R. J. WERLING 33848
R. R. WEBER 41295
REGISTERED PROFESSIONAL ENGINEERS

one-eighth inch = one foot
0 4 8 16

N



KEY PLAN

Drawing Title: ROOF PLAN AREA II

Approved Project Director: Harold M. Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

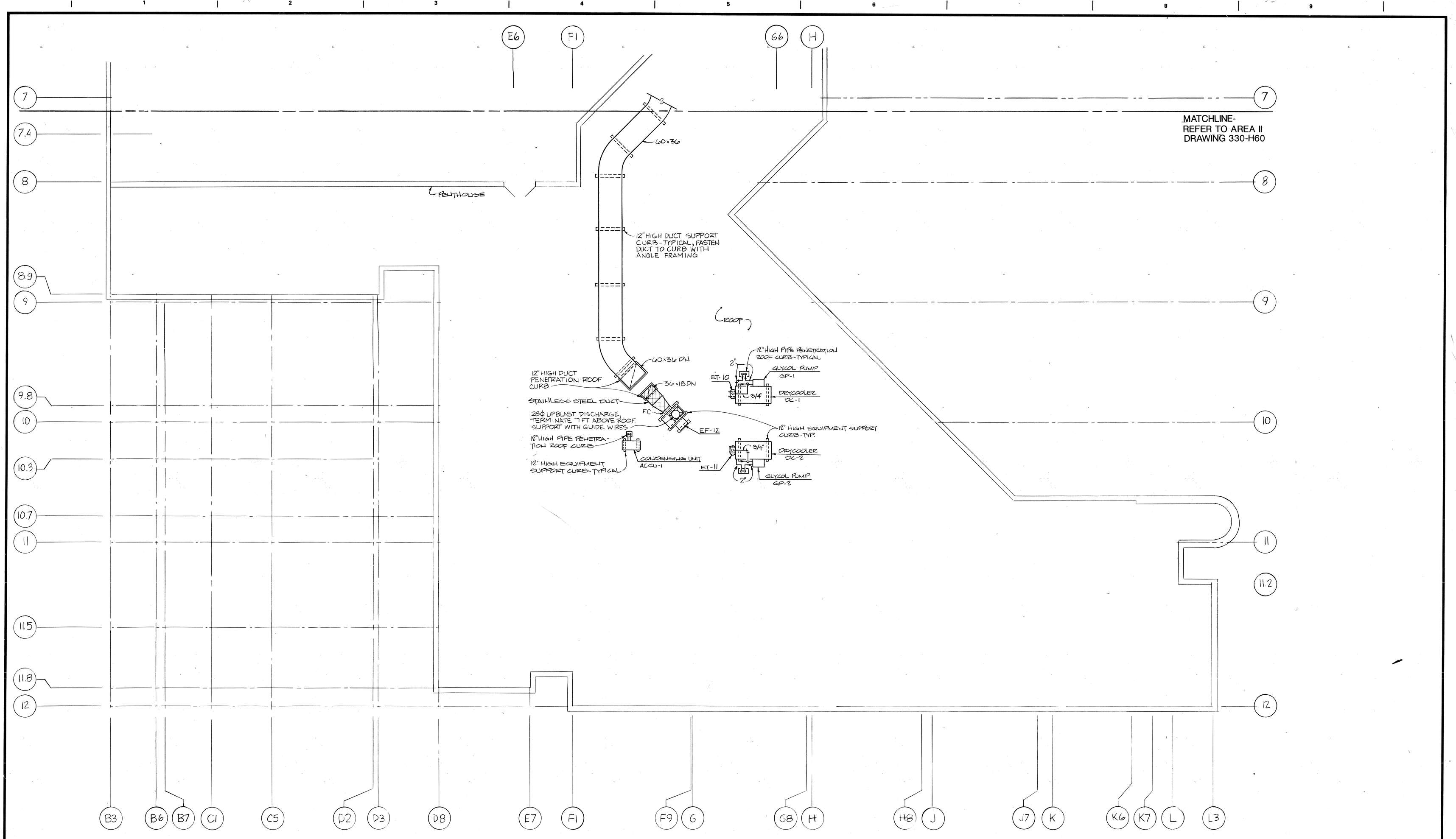
Building Number: 330
Checked: D.L.E.
Drawn: P.R.R.
Location: VAMC- DAYTON, OHIO

Date: JUNE 28 1988
Project No.: 552-090D
DRAWING NO.: 330-H60
Dwg.80 0195

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467



7-0-1-0438

BUILDING 100% SPRINKLERED

Revisions	Date

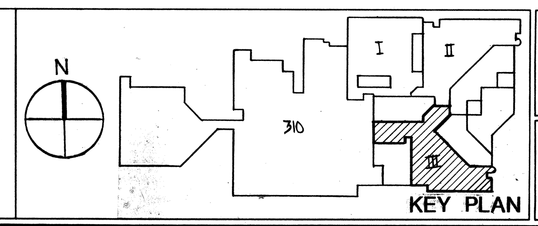
Levin-Porter Heapy Bohm-NBBJ
a joint venture

24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON - COLUMBUS, OHIO

STATE OF OHIO
T. J. FERDELMAN
T. E. MONNIG
B. J. WERLING
R. R. WEBER
REGISTERED PROFESSIONAL ENGINEERS

0 2 4 8 16 FEET
SCALE: 1/8" = 1'-0"

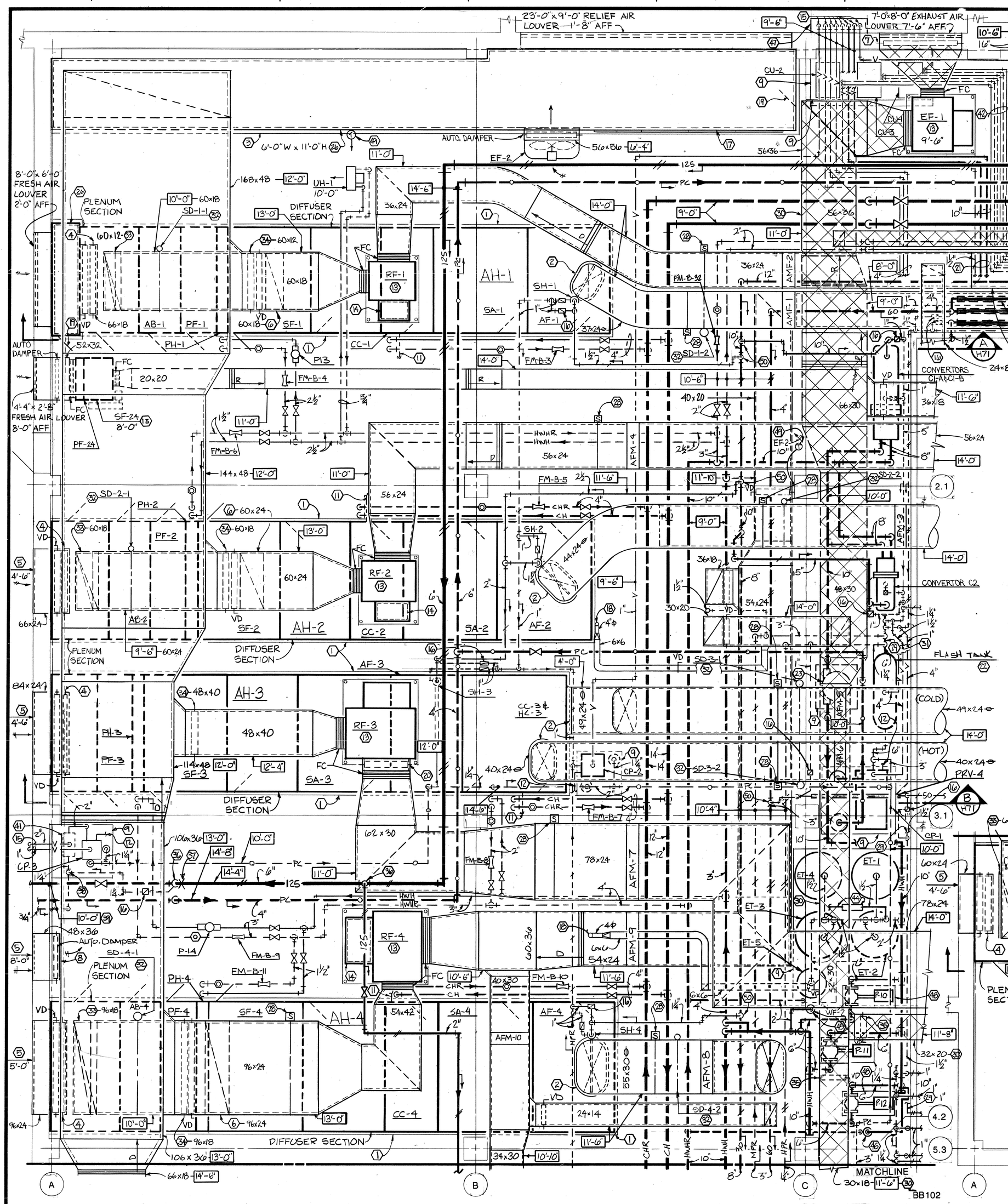


KEY PLAN

Drawing Title	Project Title	Date
ROOF PLAN AREA III	BED REPLACEMENT AND MODERNIZATION	JUNE 28 1988
Approved Project Director: Harold M Goode	Building Number: 330 / Checked: D.L.E / Drawn: P.R.R	Project No. 552-090D
	Location: VAMC -DAYTON,OHIO	DRAWING NO. 330-H61 Dwg. 81 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984



BASEMENT AREA I MECHANICAL ROOM PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES

A. REFER TO CUSTOM AIR HANDLING UNIT DETAILS AND SECTIONS ON DRAWINGS 330-H69 AND 330-H70 FOR COMPLETE AIR HANDLING UNIT COMPONENT LAYOUTS.

B. ALL EQUIPMENT DESIGNATIONS FOR FINAL TAGGING SHALL INCLUDE A PREFIX OF 330. (I.E., 330-AH-1, 330-CC-7.)

NOTES

1 6" HIGH CONCRETE CURB.

2 BELLMOUTH DUCT FITTING. REFER TO DETAIL ON DRAWING H13.

3 4" HIGH CONCRETE CURB BELOW PLENUM CASING.

4 AUTOMATIC FRESH AIR DAMPERS PROVIDED WITH CUSTOM AH-UNIT. REFER TO CUSTOM AH-UNIT DETAILS ON DRAWINGS 330-H69 AND 330-H70 FOR SIZES..

5 DUCT OPEN TO FRESH AIR TUNNEL. PROVIDE 1/2" DIAMETER SECURITY BARS, VERTICALLY, 8" ON CENTER AND 1/2" X 1/2" MESH HARDWARE CLOTH OVER OPENING. ELEVATION AS NOTED FROM FINISHED FLOOR.

6 ACOUSTIC LINED DUCT OFF BOTTOM AND OFFSET TO AIR HANDLING UNIT RETURN AIR DUCT CONNECTION.

7 GRAVITY BACKDRAFT DAMPER.

8 DUCT OPEN TO SPACE.

9 3" HIGH CONCRETE BASE.

10 AUTOMATIC CONTROL PANELS MOUNTED ON WALL.

11 EXTEND 1-1/4" DRAIN LINE TO FLOOR DRAIN. REFER TO DETAIL AND TRAP SCHEDULE ON DRAWING H9.

12 EXTEND FULL SIZE DRAIN LINE TO FLOOR DRAIN.

13 SUSPEND FAN FROM STRUCTURE WITH HANGER RODS AND SPRING ISOLATORS.

14 ACOUSTICAL MOTOR ENCLOSURE. REFER TO DETAIL ON DRAWING H13.

15 VENT PIPE THRU EXTERIOR WALL INTO AREAWAY. TURN DOWN 2". PROVIDE WALL SLEEVES.

16 TYPICAL END OF MAIN DRIP.

17 PLENUM CASING TO BE CONSTRUCTED WITH REMOVABLE PANELS FOR FUTURE EQUIPMENT ACCESS, MINIMUM 16 FT. WIDE X 9 FT. HIGH.

18 DUCT UP TO FILM PROCESSOR ON FIRST FLOOR.

19 24" X 60" ACCESS DOOR.

20 VARIABLE INLET VANES.

21 STEAM SAFETY RELIEF VALVE DISCHARGE FROM PRESSURE REDUCING STATION. REFER TO DETAIL ON DRAWING H8.

22 78" LONG X 24" DIAMETER FLASH TANK, APPROX. 2'-0" A.F.F. REFER TO DETAIL ON DRAWING H10.

23 INLINE AIR SEPARATOR WITH INTEGRAL STRAINER AND LARGE CAPACITY AIR VENT. PROVIDE BASE SUPPORT AND ALLOW PROPER CLEARANCE FOR STRAINER REMOVAL.

24 DUPLEX ATC COMPRESSOR - 7 1/2 HP EACH AT 460 VOLT, 3 PHASE.

25 REFRIGERATED AIR DRYER - 115 VOLT, 1 PHASE.

26 DOUBLE WALL INSULATED PLENUM CASING.

27 DUCT RUNS IN BEAM SPACE.

28 SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND ISOLATION SMOKE DAMPERS.

29 CONNECT CONDENSATE RETURN PIPES TO FLASH TANK INLET MANIFOLD.

30 STAINLESS STEEL DUCT.

31 CONDENSATE RETURN FROM DISHWASH AREA.

32 AH-UNIT ISOLATION SMOKE DAMPER.

33 AUTOMATIC RETURN AIR DAMPER PROVIDED WITH CUSTOM AH-UNIT.

34 AUTOMATIC OPPOSED BLADE RELIEF AIR DAMPER.

35 STAINLESS STEEL DAMPER.

36 FLEXIBLE BALL JOINT FITTING IN VERTICAL.

37 MAIN ANCHOR.

38 CONNECT TO MAIN WITH FLEXIBLE PIPE CONNECTOR.

39 PROVIDE PIPE SLEEVES THRU WALL.

40 LOCATE FIRST SET OF PIPE HANGERS BETWEEN RELIEF DUCT AND WALL.

41 24" LONG X 14" DIAMETER FLASH TANK, APPROX. 2'-0" AFF. REFER TO DETAIL ON DRAWING H10.

42 REFRIGERANT PIPES FROM DIETETIC WALK-IN REFRIGERATORS/FREEZERS. PITCH LINES MINIMUM 1/2" PER 10 FT. TOWARDS COMPRESSOR. LINE SIZES SHOWN ARE APPROXIMATE. EXACT ROUTING AND SIZES SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER, AND A SCHEMATIC SUBMITTED FOR APPROVAL.

43 CONNECT TO WATER HEATER PER MANUFACTURER'S RECOMMENDATIONS. PIPING ACCESSORIES TO BE PROVIDED BY EQUIPMENT SUPPLIER, REFER TO PLUMBING DRAWINGS.

44 AUTOMATIC WATER MAKE-UP ASSEMBLY - VALVE, STRAINER, UNION, PRESSURE REDUCING VALVE SET 75 PSI (ADJUSTABLE), UNION, VALVE AND SAFETY RELIEF VALVE SET AT 85 PSI (ADJUSTABLE), ALL 1 1/4" SIZE. 1-1/2" BY-PASS FOR SYSTEM FILL WITH GLOBE OR ANGLE VALVE AND PRESSURE GAUGE. RUN SAFETY RELIEF VALVE DISCHARGE TO FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR CONNECTION TO BACKFLOW PREVENTER.

45 LOCATE WATER FILTER NEAR FLOOR FOR EASY SERVICEABILITY.

46 CHEMICAL POT FEEDER. LOCATE NEAR FLOOR FOR EASY SERVICEABILITY.

47 PROVIDE WALL MOUNTED SHIELD, 18 GA GALVANIZED STEEL, 1" TURNED-UP LIP ALL AROUND WITH 1/2" DRAIN HOLE IN BOTTOM. PROVIDE WALL BRACKETS TO SUPPORT SHIELD PLUS 50 LBS. MOUNT SHIELD AT 2'-0" BELOW BOTTOM OF VENT DISCHARGES.

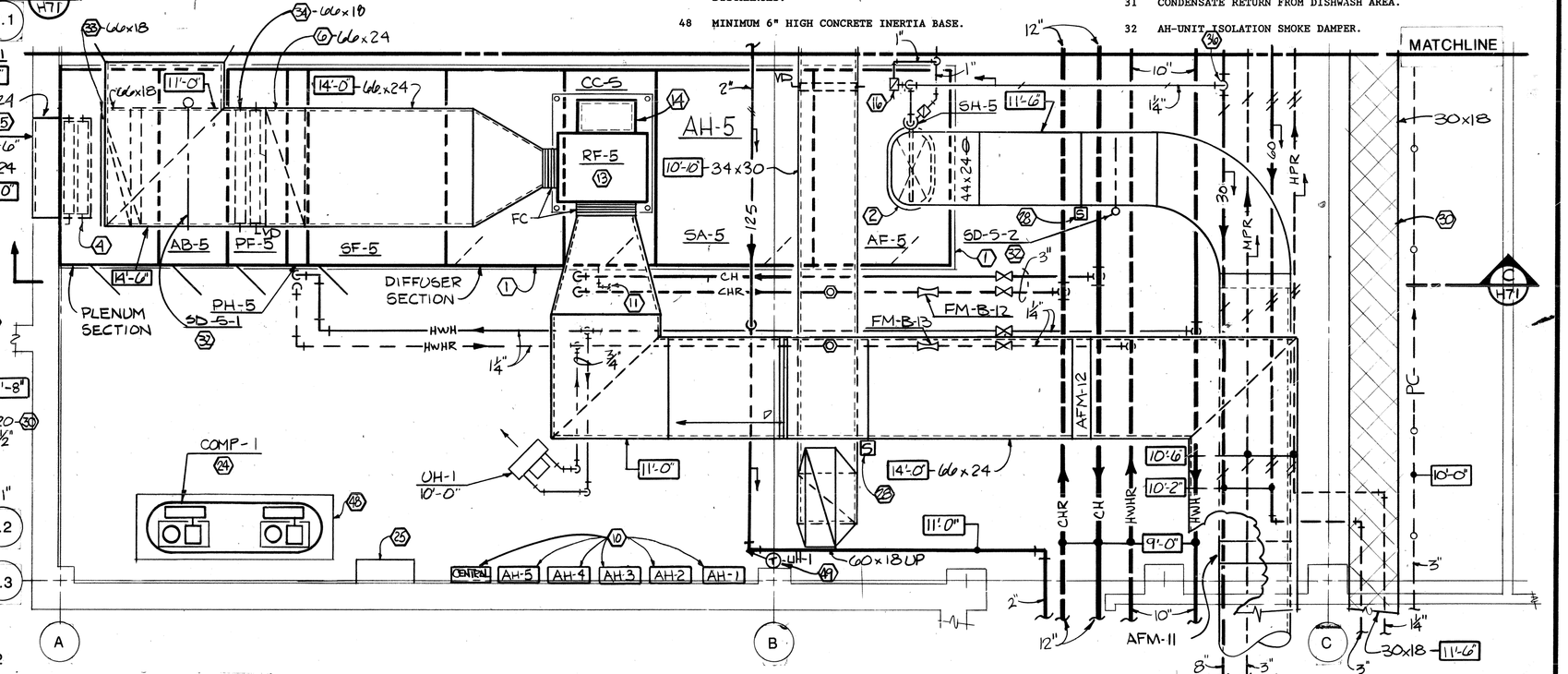
48 MINIMUM 6" HIGH CONCRETE INERTIA BASE.

49 PROVIDE HEAVY DUTY CAST ALUMINUM GUARD OVER THERMOSTAT.

50 SWING JOINT CONNECTION.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-1, 2, 3, 4, & 5 TO TERMINAL UNITS	4"	A
SUPPLY DUCT FROM SF-24	2"	B
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE FO RF-1, 2, 3, 4 & 5	-2"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-1, 2, 3, 4 & 5	-2"	B
AH-1 FRESH AIR PLENUM	-2"	B
RELIEF AIR DUCT AND PLENUM	2"	B
SF-24 FRESH AIR DUCT	-1"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-1	-2"	B
EXHAUST AIR DUCTS ON DISCHARGE SIDE OF EF-1	2"	B



7-0-1-0439

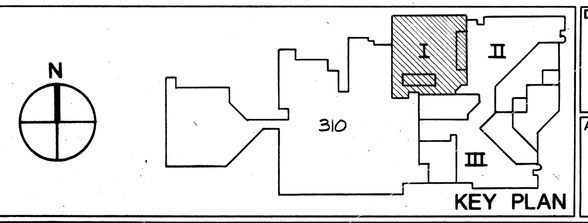
BUILDING 100% SPRINKLERED

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON | COLUMBUS, OHIO

STATE OF OHIO — REGISTERED PROFESSIONAL ENGINEERS
No. 25057 T. J. FERDELMAN
No. 32066 T. E. MONNIG
No. 33048 R. J. WERLING
No. 41295 R. R. WEBER

one-quarter inch = one foot



KEY PLAN

Revisions	Date

Drawing Title: BASEMENT AREA I MECHANICAL ROOM PLAN

Project Title: BED REPLACEMENT AND MODERNIZATION

Date: JUNE 28, 1988

Project No. 552-090D

Approved Project Director: Harold M. Goode

Building Number: 330 | Checked: D.L.E. | Drawn: G.S.E.

Location: VAMC - DAYTON, OHIO

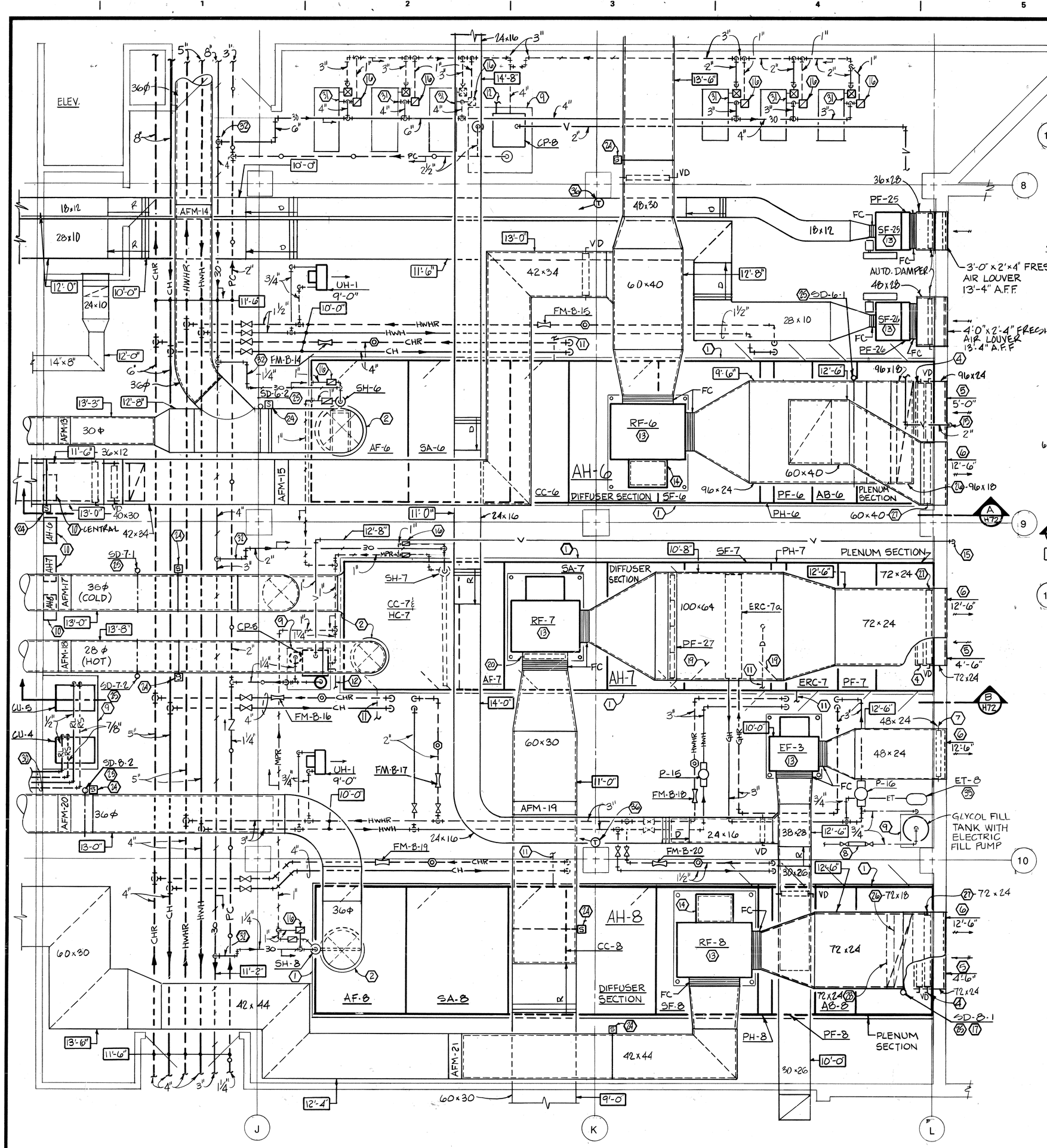
DRAWING NO. 330-H62

Dwg. 82 of 95

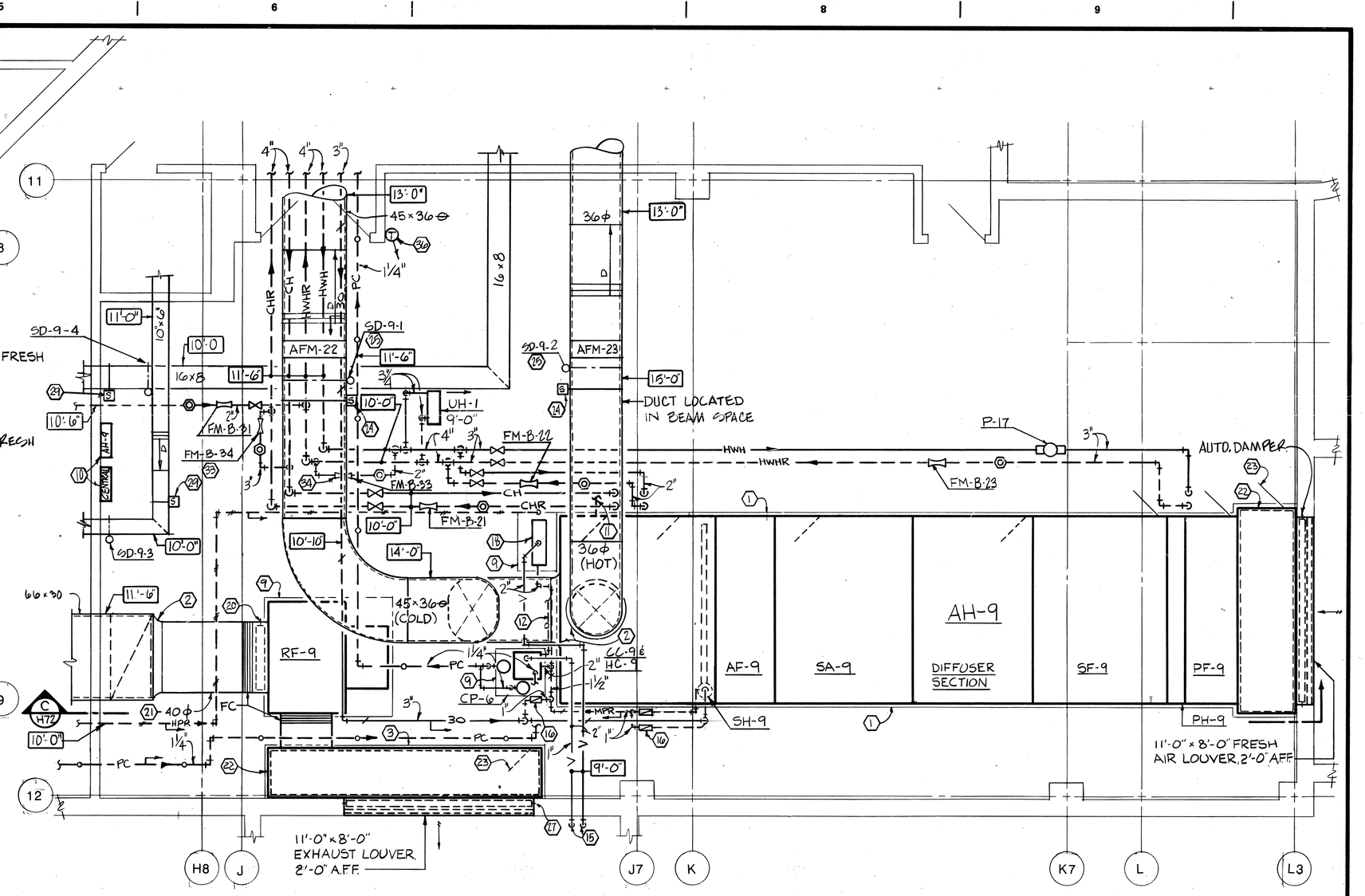
Veterans Administration

VA FORM 08-6231A, MAR 1984

U.S. GOVERNMENT PRINTING OFFICE: 1984-440-487



BASEMENT AREA III MECHANICAL ROOM BD-100
SCALE: 1/4"=1'-0"



BASEMENT AREA III MECHANICAL ROOM BD-114
SCALE: 1/4"=1'-0"

GENERAL NOTES

A. REFER TO CUSTOM AIR HANDLING UNIT DETAILS AND SECTIONS ON DRAWINGS 330-H69 AND 330-H70 FOR COMPLETE AIR HANDLING UNIT COMPONENT LAYOUTS.

B. ALL EQUIPMENT DESIGNATIONS FOR FINAL TAGGING SHALL INCLUDE A PREFIX OF 330. (I.E., 330-AH-1, 330-CC-7.)

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTOWRK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-6, 7, 8 & 9 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS FROM SF-25 & 26	2"	B
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-6, 7, 8 & 9	-2"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-6, 7, 8 & 9	2"	B
AH-9 FRESH AIR PLENUM	-2"	B
RF-9 RELIEF AIR PLENUM	2"	B
SF-25 & 26 FRESH AIR DUCTS	-1"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-3	-2"	B
EXHAUST AIR DUCTS ON DISCHARGE SIDE OF EF-3	2"	B

NOTES

1. 6" HIGH CONCRETE CURB.
2. BELLMOUTH DUCT FITTING. REFER TO DETAIL ON DRAWING H13.
3. 4" HIGH CONCRETE CURB BELOW PLENUM CASING.
4. AUTOMATIC FRESH AIR DAMPERS PROVIDED WITH CUSTOM AH-UNIT. REFER TO CUSTOM AH-UNIT DETAILS ON DRAWINGS 330-H69 AND 330-H70 FOR SIZES..
5. DUCT OPEN TO FRESH AIR TUNNEL. PROVIDE 1/2" DIAMETER SECURITY BARS, VERTICALLY, 8" ON CENTER AND 1/2" X 1/2" MESH HARDWARE CLOTH OVER OPENING. ELEVATION AS NOTED FROM FINISHED FLOOR.
6. DUCT OPEN TO RELIEF/EXHAUST TUNNEL. PROVIDE 1/2" DIAMETER SECURITY BARS, VERTICALLY, 8" ON CENTER AND 1/2" X 1/2" MESH HARDWARE CLOTH OVER OPENING. ELEVATION AS NOTED FROM FINISHED FLOOR.
7. GRAVITY BACKDRAFT DAMPER.
8. BACKFLOW PREVENTER IN MAKE-UP WATER PIPE. REFER TO PLUMBING DRAWINGS FOR CONTINUATION.
9. 3" HIGH CONCRETE BASE.
10. AUTOMATIC CONTROL PANELS MOUNTED ON WALL.
11. EXTEND 1-1/4" DRAIN LINE TO FLOOR DRAIN. REFER TO DETAIL AND TRAP SCHEDULE ON DRAWING H9.
12. EXTEND FULL SIZE DRAIN LINE TO FLOOR DRAIN.
13. SUSPEND FAN FROM STRUCTURE WITH HANGERS RODS AND SPRING ISOLATORS.
14. ACOUSTICAL MOTOR ENCLOSURE. REFER TO DETAIL ON DRAWING H13.
15. VENT PIPE THRU EXTERIOR WALL INTO EXHAUST/RELIEF AREAWAY. TURN DOWN 2". PROVIDE WALL SLEEVES.
16. TYPICAL END OF MAIN DRIP.
17. DAMPER LOCATED IN VERTICAL RETURN AIR DUCT.
18. 24" LONG X 14" DIAMETER FLASH TANK, APPROX. 2'-0" AFF. REFER TO DETAIL AND DRAWING H10.
19. 24" X 48" ACCESS DOOR.
20. VARIABLE INLET VANES.
21. DUCT FULL SIZE OF FAN INLET.
22. DOUBLE WALL INSULATED PLENUM CASING.
23. 24" X 60" ACCESS DOOR.
24. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND ISOLATION SMOKE DAMPERS.
25. AH-UNIT ISOLATION SMOKE DAMPER.
26. AUTOMATIC RETURN AIR DAMPER PROVIDED WITH CUSTOM AH-UNIT.
27. AUTOMATIC RELIEF/EXHAUST AIR DAMPER.
28. ACOUSTIC LINED DUCT OFF BOTTOM TO AIR HANDLING UNIT RETURN CONNECTION.
29. SMOKE DETECTOR TO CONTROL LOCAL SMOKE DAMPER.
30. REFRIGERANT PIPES FROM CANTEEN WALK-IN REFRIGERATORS/FREEZERS. PITCH LINES MINIMUM 1/2" PER 10 FT. TOWARD COMPRESSOR. LINE SIZES SHOWN ARE APPROXIMATE. EXACT ROUTING AND SIZES SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER, AND A SCHEMATIC SUBMITTED FOR APPROVAL.
31. CONNECT TO WATER HEATER PER MANUFACTURER'S RECOMMENDATIONS. PIPING ACCESSORIES TO BE PROVIDED BY EQUIPMENT SUPPLIER. REFER TO PLUMBING DRAWINGS.
32. SWING JOINT CONNECTION.
33. BALANCE FLOW METER WITH ALL CHILLED WATER CONTROL VALVES CLOSED AND ONE VARIABLE SPEED CHILLED WATER PUMP RUNNING ON AUTOMATIC, TO SCHEDULED GPM AT 23 FT HD PRESSURE DROP THRU VENTURI AND BALANCING VALVE.
34. BALANCE FLOW METER, WITH ALL HOT WATER CONTROL VALVES CLOSED AND ONE VARIABLE SPEED HOT WATER PUMP RUNNING ON AUTOMATIC, TO SCHEDULED GPM AT 15 FT HD PRESSURE DROP THRU VENTURI AND BALANCING VALVE.
35. SUSPEND TANK FROM STRUCTURE.
36. PROVIDE HEAVY DUTY CAST ALUMINUM GUARD OVER THERMOSTAT.

7-0-1-0440

BUILDING 100% SPRINKLERED

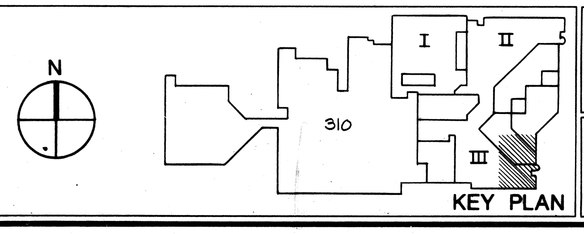
Revisions | Date

Levin–Porter Heapy Bohm–NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON - COLUMBUS, OHIO

STATE OF OHIO — 20867 T. J. FERDELMAN, T. E. MONNIG 26766, B. J. WERLING 33949, R. R. WEBER 41266 — REGISTERED PROFESSIONAL ENGINEERS

one-quarter inch = one foot



KEY PLAN

Drawing Title: BASEMENT AREA III MECHANICAL ROOM PLANS

Approved Project Director: Harold M Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: G.S.E | Drawn: D.L.E.

Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988

Project No. 552-090D

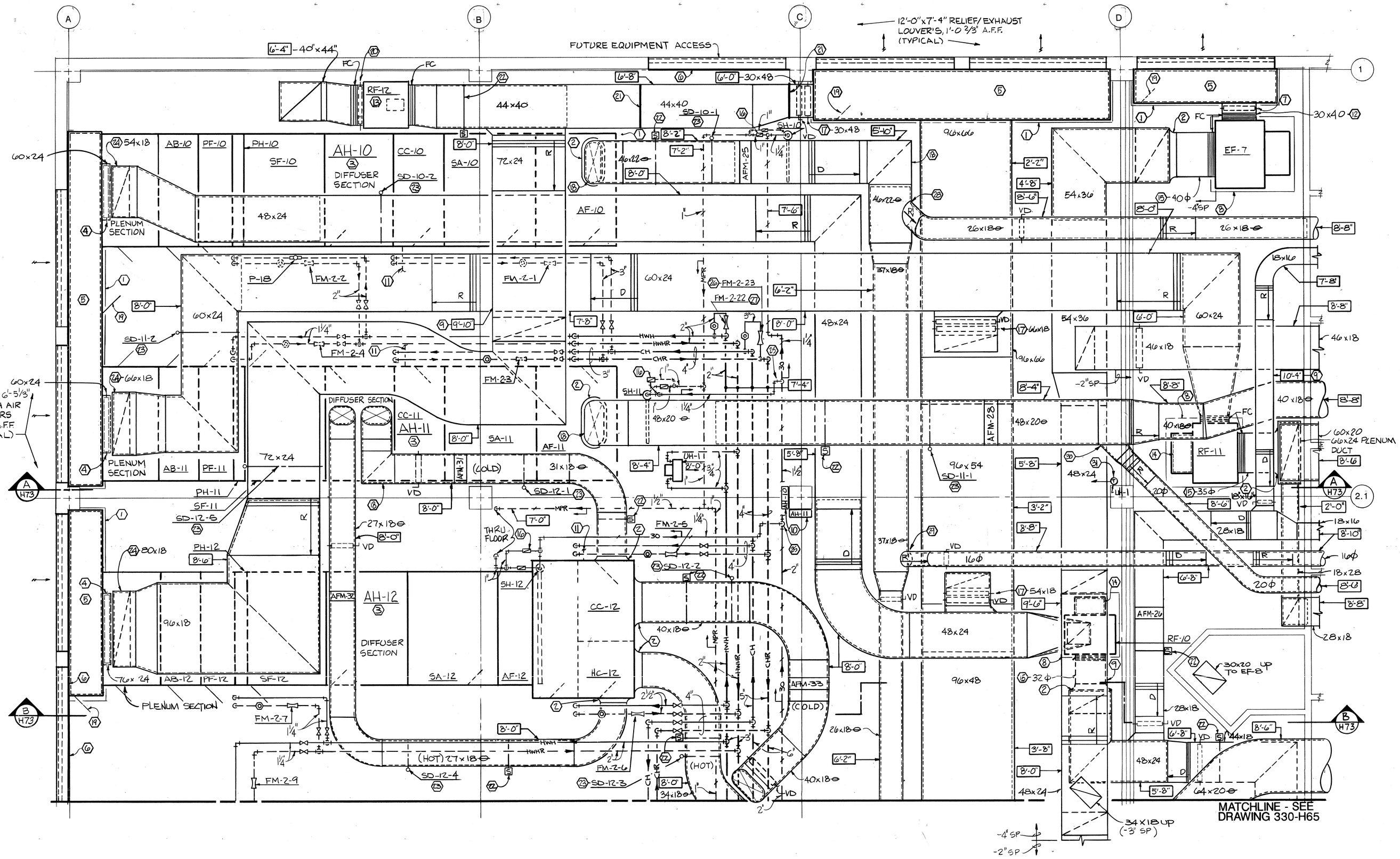
DRAWING NO. 330-H63

Dwg. 83 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-440-467



2B-100
NORTH SECTION

SECOND FLOOR AREA I MECHANICAL ROOM PLAN

SCALE: 1/4"=1'-0"

GENERAL NOTES

A. REFER TO CUSTOM AIR HANDLING UNIT DETAILS AND SECTIONS ON DRAWINGS 330-H69 AND 330-H70 FOR COMPLETE AIR HANDLING UNIT COMPONENT LAYOUTS.

B. ALL EQUIPMENT DESIGNATIONS FOR FINAL TAGGING SHALL INCLUDE A PREFIX OF 330. (I.E., 330-AH-1, 330-CC-7.)

C. ALL DUCT AND PIPE ELEVATIONS TAKEN FROM 987.35 FINISHED FLOOR ELEVATION. CAUTION THAT AREAS EAST OF COLUMN LINE "D" HAVE A FLOOR ELEVATION OF 986.35, THEREFORE PIPING AND DUCTWORK LOCATED IN THIS AREA WILL ACTUALLY BE 1 FT. HIGHER THAN INDICATED.

D. CUSTOM AH-UNITS TO BE MOUNTED ON 6" HIGH STRUCTURAL STEEL PEDESTALS. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS. WELD AH-UNIT FRAME TO PEDESTALS.

NOTES

1. 4" HIGH CONCRETE CURB BELOW PLENUM CASING.
2. BELLMOUTH DUCT FITTING. REFER TO DETAIL ON DRAWING H13.
3. UNIT MOUNTED 6" OFF THE FLOOR ON STRUCTURAL STEEL PEDESTALS. REFER TO STRUCTURAL DRAWINGS FOR PEDESTAL LOCATIONS. WELD AH-UNIT FRAME TO PEDESTAL.
4. AUTOMATIC FRESH AIR DAMPERS PROVIDED WITH CUSTOM AH-UNIT. REFER TO CUSTOM AH-UNIT DETAILS ON DRAWINGS 330-H69 AND 330-H70 FOR SIZES..
5. DOUBLE WALL INSULATED PLENUM CASING.
6. BLANK-OFF UNUSED PORTION OF LOUVER WITH 2" THICK DOUBLE WALL INSULATED SHEETMETAL PANEL.
7. GRAVITY BACKDRAFT DAMPER.
8. MINIMUM 6" HIGH CONCRETE INERTIA BASE.
9. DUCT LOCATED IN BEAM SPACE.
10. AUTOMATIC CONTROL PANEL MOUNTED ON COLUMN.
11. EXTEND 1-1/4" DRAIN LINE TO FLOOR DRAIN. REFER TO DETAIL AND TRAP SCHEDULE ON DRAWING H9.
12. DUCT FULL SIZE OF FAN OUTLET.
13. SUSPEND FAN FROM STRUCTURE WITH HANGER RODS AND SPRING ISOLATORS.
14. ACOUSTICAL MOTOR ENCLOSURE. REFER TO DETAIL ON DRAWING H13.
15. DUCT FULL SIZE OF FAN INLET.
16. TYPICAL END OF MAIN DRIP.
17. AUTOMATIC OPPOSED BLADE RELIEF AIR DAMPER.
18. MITERED 90 DEGREE ELBOW WITH TURNING VANES.
19. 24" X 60" ACCESS DOOR.
20. VARIABLE INLET VANES.
21. FLANGE DUCTWORK FOR EASY REMOVAL TO ACCOMMODATE FUTURE EQUIPMENT ACCESS.
22. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND ISOLATION SMOKE DAMPERS.
23. AH-UNIT ISOLATION SMOKE DAMPER.
24. AUTOMATIC RETURN AIR DAMPER PROVIDED WITH CUSTOM AH-UNIT.
25. SWING JOINT CONNECTION.
26. BALANCE FLOW METER WITH ALL CHILLED WATER CONTROL VALVES CLOSED AND ONE VARIABLE SPEED CHILLED WATER PUMP RUNNING ON AUTOMATIC, TO SCHEDULED GPM AT 23 FT HD PRESSURE DROP THRU VENTURI AND BALANCING VALVE.
27. BALANCE FLOW METER WITH ALL HOT WATER CONTROL VALVES CLOSED AND ONE VARIABLE SPEED HOT WATER PUMP RUNNING ON AUTOMATIC, TO SCHEDULED GPM AT 15 FT HD PRESSURE DROP THRU VENTURI AND BALANCING VALVE.
28. 45 DEGREE CONICAL LATERAL FITTING ROLLED 45 DEGREES PLUS 60 DEGREE ELBOW, BRANCH AT 90 DEGREES.
29. 45 DEGREE CONICAL TEE FITTING ROLLED 45 DEGREES BRANCH AT 90 DEGREES.
30. CONICAL LATERAL FITTING.
31. PROVIDE HEAVY DUTY CAST ALUMINUM GUARD OVER THERMOSTAT.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-10, 11, & 12 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-10, 11 & 12	-2"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-10, 11 & 12	2"	B
AH-10, 11 & 12 FRESH AIR PLENUMS	-2"	B
RELIEF AIR DUCTS	2"	B
RELIEF AND EXHAUST AIR PLENUMS	2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF EF-7 (SEE PLANS FOR LOCATIONS)	-4", -3" & -2"	B
EF-8 EXHAUST DUCT	-3"	WELDED

7-0-1-0441

BUILDING 100% SPRINKLERED

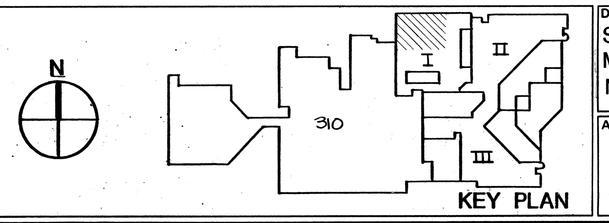
Revisions	Date

Levin-Porter Heapy Bohm-NBBJ
a joint venture
24 North Jefferson
Dayton, Ohio 45402

PROJECT NO. 85307
HEAPY ENGINEERING
MECHANICAL ELECTRICAL CONSULTANTS
DAYTON - COLUMBUS, OHIO

STATE OF OHIO — 22857 T. J. FERDELMAN, T. E. MONNIG 26798, B. J. WERLING 33846, R. R. WEBER 41295 — REGISTERED PROFESSIONAL ENGINEERS

one-quarter inch = one foot



KEY PLAN

Drawing Title: SECOND FLOOR AREA I MECHANICAL ROOM PLAN - NORTH

Approved Project Director: Harold M. Brooks

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: G.S.E. | Drawn: D.L.E.

Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988

Project No.: 552-090D

DRAWING NO.: 330-H64

Dwg. 84 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

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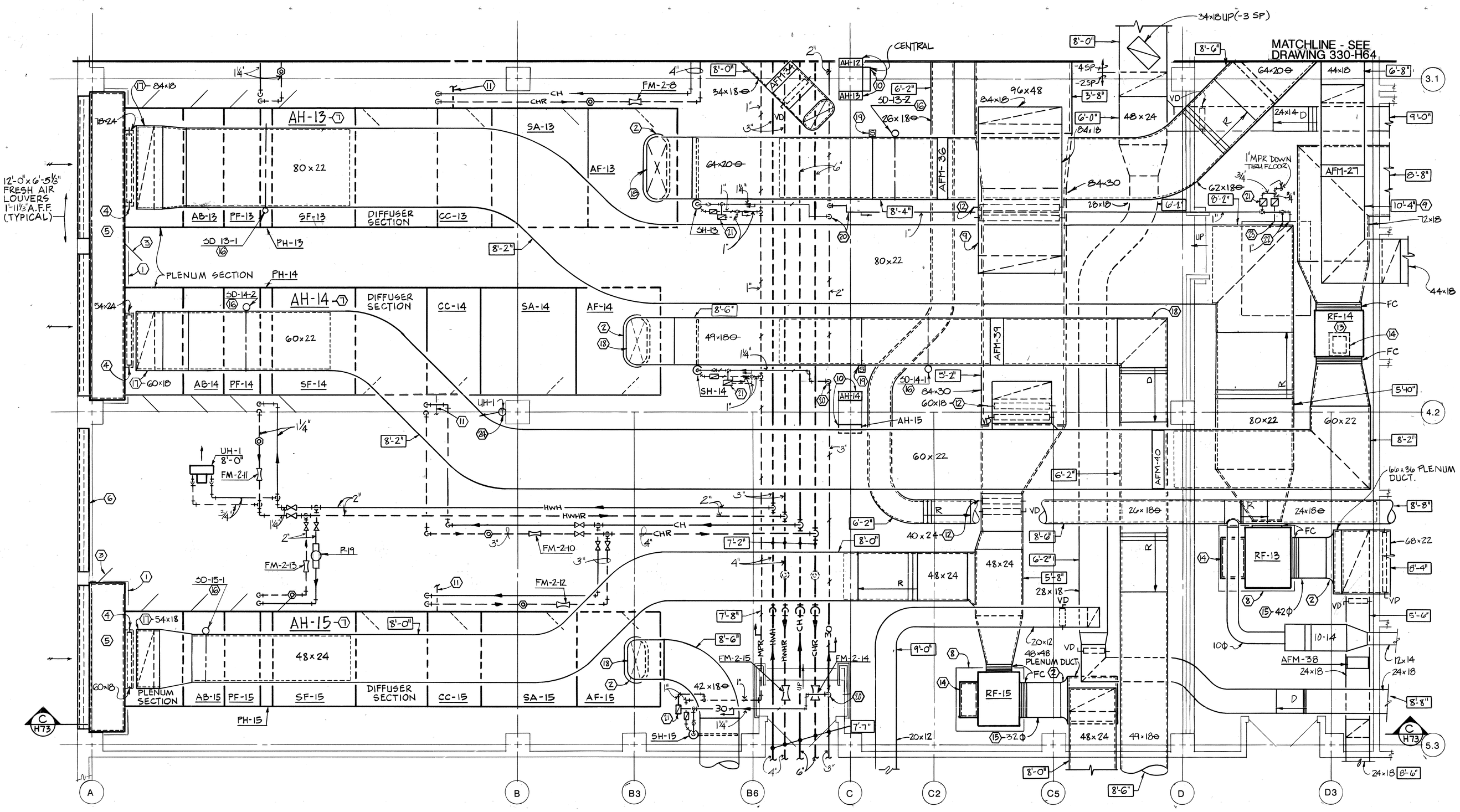

2B-100

SOUTH SECTION

SECOND FLOOR AREA I MECHANICAL ROOM PLAN

SCALE: 1/4"=1'-0"

GENERAL NOTES

A. REFER TO CUSTOM AIR HANDLING UNIT DETAILS AND SECTIONS ON DRAWINGS 330-H69 AND 330-H70 FOR COMPLETE AIR HANDLING UNIT COMPONENT LAYOUTS.

B. ALL EQUIPMENT DESIGNATIONS FOR FINAL TAGGING SHALL INCLUDE A PREFIX OF 330. (I.E., 330-AH-1, 330-CC-7.)

C. ALL DUCT AND PIPE ELEVATIONS TAKEN FROM 987.35 FINISHED FLOOR ELEVATION. CAUTION THAT AREAS EAST OF COLUMN LINE "D" HAVE A FLOOR ELEVATION OF 986.35, THEREFORE PIPING AND DUCTWORK LOCATED IN THIS AREA WILL ACTUALLY BE 1 FT. HIGHER THAN INDICATED.

D. CUSTOM AH-UNITS TO BE MOUNTED ON 6" HIGH STRUCTURAL STEEL PEDESTALS. REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS. WELD AH-UNIT FRAME TO PEDESTALS.

NOTES

1. 4" HIGH CONCRETE CURB BELOW PLENUM CASING.
2. BELLMOUTH DUCT FITTING. REFER TO DETAIL ON DRAWING H13.
3. 24" X 60" ACCESS DOOR.
4. AUTOMATIC FRESH AIR DAMPERS PROVIDED WITH CUSTOM AH-UNIT. REFER TO CUSTOM AH-UNIT DETAILS ON DRAWINGS 33-H69 AND 330-H70 FOR SIZES.
5. DOUBLE WALL INSULATED PLENUM CASING.
6. BLANK-OFF UNUSED PORTION OF LOUVER WITH 2" THICK DOUBLE WALL INSULATED SHEETMETAL PANEL.
7. UNIT MOUNTED 6" OFF THE FLOOR ON STRUCTURAL STEEL PEDESTALS. REFER TO STRUCTURAL DRAWINGS FOR PIER LOCATIONS. WELD AH-UNIT FRAME TO PEDESTALS.
8. MINIMUM 6" HIGH CONCRETE INERTIA BASE.
9. DUCT LOCATED IN BEAM SPACE.
10. AUTOMATIC CONTROL PANEL MOUNTED ON COLUMN.
11. EXTEND 1-1/4" DRAIN LINE TO FLOOR DRAIN. REFER TO DETAIL AND TRAP SCHEDULE ON DRAWING H9.
12. AUTOMATIC OPPOSED BLADE RELIEF AIR DAMPER.
13. SUSPEND FAN FROM STRUCTURE WITH HANGER RODS AND SPRING ISOLATORS.
14. ACOUSTICAL MOTOR ENCLOSURE. REFER TO DETAIL ON DRAWING H13.
15. DUCT FULL SIZE OF FAN INLET.
16. AH-UNIT ISOLATION SMOKE DAMPERS.
17. AUTOMATIC RETURN AIR DAMPER PROVIDED WITH CUSTOM AH-UNIT.
18. MITERED 90 DEGREE ELBOW WITH TURNING VANES.
19. SMOKE DETECTOR TO CONTROL AH-UNIT FAN SHUTDOWN AND ISOLATION SMOKE DAMPERS.
20. SWING JOINT CONNECTION.
21. TYPICAL END OF MAIN DRIP.
22. CONNECT TO MEDICAL VACUUM FILTER ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE STRAINERS AND SHUT OFF VALVES.
23. CONNECT TO MEDICAL VACUUM FILTER ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS.
24. PROVIDE HEAVY DUTY CAST ALUMINUM GUARD OVER THERMOSTAT.

DUCT PRESSURE CLASSIFICATION AND SEALING

DUCT SYSTEM	SMACNA CONST. CLASS	SMACNA SEAL CLASS
ALL DUCTWORK EXCEPT AS LISTED BELOW	2"	B
SUPPLY DUCTS FROM AH-10, 12, 13, 14 & 15 TO TERMINAL UNITS	4"	A
SUPPLY DUCTS ON LEAVING SIDE OF AIR TERMINAL UNITS	1"	C
RETURN DUCTS ON INLET SIDE OF RF-10, 13, 14 & 15	-2"	B
RETURN DUCTS ON DISCHARGE SIDE OF RF-13, 14 & 15	2"	B
AH-13, 14 & 15 FRESH AIR PLENUMS	-2"	B
RELIEF AIR DUCTS	2"	B
EXHAUST AIR DUCTS ON INLET SIDE OF RF-7 (SEE PLANS FOR LOCATIONS)	-4", -3" & -2"	B

7-0-1-0442

BUILDING 100% SPRINKLERED

Revisions | Date

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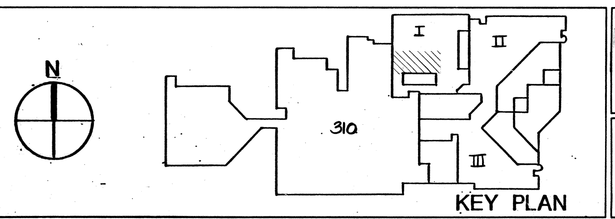

KEY PLAN

Drawing Title: SECOND FLOOR AREA I MECHANICAL ROOM PLAN - SOUTH

Approved Project Director: Harold M Goode

Project Title: BED REPLACEMENT AND MODERNIZATION

Building Number: 330 | Checked: G.S.E | Drawn: D.L.E.

Location: VAMC - DAYTON, OHIO

Date: JUNE 28, 1988

Project No. 552-090D

DRAWING NO. 330-H65

Dwg. 85 of 95

Veterans Administration

VA FORM 08-6231A, MAR 1984

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