

A

three inches = one foot

B

one and one half inches = one foot

C

one inch = one foot

D

three quarters inch = one foot

E

one half inch = one foot

F

one eighth inch = one foot

G

one quarter inch = one foot

H

one eighth inch = one foot

I

one quarter inch = one foot

J

one eighth inch = one foot

K

one quarter inch = one foot

L

one eighth inch = one foot

M

one quarter inch = one foot

N

one eighth inch = one foot

A

B

C

D

E

F

G

H

I

J

K

L

M

N

DESIGNER/ENGINEER
CAD OPERATOR
CHECKED/REVIEWER

95% OWNER REVIEW
ISSUE FOR BID DOCUMENTS

1/18/2013
1/31/2013

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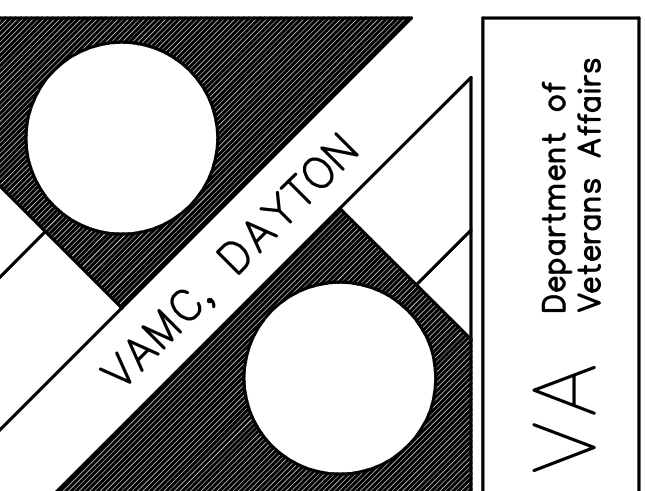


Revised By:

Drawing Title
**ELECTRICAL
SCHEDULES AND DETAILS**
Approved: Project Engineer
Philip Kirk

Project Title
**REPLACE CONDENSING
UNITS, B-305**
Building Number
305
Checked
DYNAMIX
Drawn
SH
Location
4100 WEST THIRD ST
DAYTON, OH 45428

Date
1-18-2013
Project No.
552-13-303
Drawing No.
E0



BASEMENT PLAN NOTES

- 1.- DISCONNECT ELECTRICAL CONNECTION TO PUMPS TO BE DEMOLISHED. COIL AND SAVE TO BE REUSED.
- 2.- PUMP P-1: 208V, 3Ø, 7.5HP. RECONNECT EXISTING CIRCUITING FROM DEMOLISHED PUMP. EXISTING CIRCUITING TO BE MATCHED AND EXTENDED THROUGH NEW VFD. EXISTING PANEL IS LOCATED ADJACENT TO THE PUMPS AND IS IDENTIFIED AS 305-1-03-01A.
- 3.- PUMP P-2: 208V, 3Ø, 3HP. RECONNECT EXISTING CIRCUITING FROM DEMOLISHED PUMP. EXISTING CIRCUITING TO BE MATCHED AND EXTENDED THROUGH NEW VFD. REPLACE EXISTING BREAKER WITH A NEW 20A-3P. EXISTING PANEL IS LOCATED ADJACENT TO THE PUMPS AND IS IDENTIFIED AS 305-1-03-01A.
- 4.- PUMPS P-3 & P-4: 208V, 3Ø, 10HP. RUN (3) #6, (1) #10G IN 1" CONDUIT FROM UNIT THRU VFD TO NEW 50A-3P CIRCUIT BREAKER IN PANEL 305-1-03-01A. NEW CIRCUIT FOR EACH PUMP.
- 5.- LOCATION OF NEW VFD'S.
- 6.- PROVIDE NEW SURFACE MOUNTED "INDUSTRIAL" FIXTURES NEAR NEW PUMPS (P-3 & P-4). FIXTURES SHALL BE 120V, ELECTRONIC BALLAST, FLUORESCENT. CONNECT TO EXISTING LIGHTING CIRCUIT. COORDINATE EXACT LOCATION WITH OWNER (TOTAL OF 2 FIXTURES).

ROOM SCHEDULE

NO.	NAME
101	VOLUNTARY SERVICE WK RM
102	LOBBY
103	OFFICE
104	OFFICE
105	OFFICE
106	OFFICE
107	OFFICE
108	OFFICE
109A	
109B	
109C	ENTRANCE
110	WHEELCHAIR PLATFORM
110A	
110B	MUSIC ROOM
110C	OFFICE
110D	AMERICAN LEGION AUXILIARY
110E	STORAGE
110F	MUSIC ROOM
111	STAGE
111A	
111B	REC. STORAGE
111C	REC. ISSUE OFFICE
111D	
111E	TRANSFORMER ROOM
111F	CREDIT UNION
111N	
112	MEN TOILET
112A	
113	CANTEEN
113A	DISHWASHING ROOM
113B	KITCHEN
113C	
114	REC. STORAGE
114A	STORAGE
114B	
115	BOWLING ALLEY
115A	OFFICE
115B	HOBBY STORAGE
116	H.A.C.
117	RECREATION OFFICE
118	HOBBY AREA
118A	STORAGE
119	POST OFFICE LOBBY
119A	POST OFFICE
119B	POST OFFICE
119C	
120	BILLIARD ROOM
120A	OFFICE
121	RETAIL STORE
121A	OFFICE
121B	CHIEF CANTEEN SERVICE
121C	RETAIL STORE
121D	
122	MULTI PURPOSE ROOM
122A	STORAGE
123	WOMEN LOCKER ROOM
124	H.A.C.
125	KITCHEN
126	MEN LOCKER ROOM
126A	MEN
127	WOMEN
128	OFFICE
128A	TOILET
128B	STORAGE ROOM
C-1-1	CORRIDOR
C-1-2	CORRIDOR
C-1-3	CORRIDOR
C-1-4	CORRIDOR

FIRST FLOOR PLAN NOTES


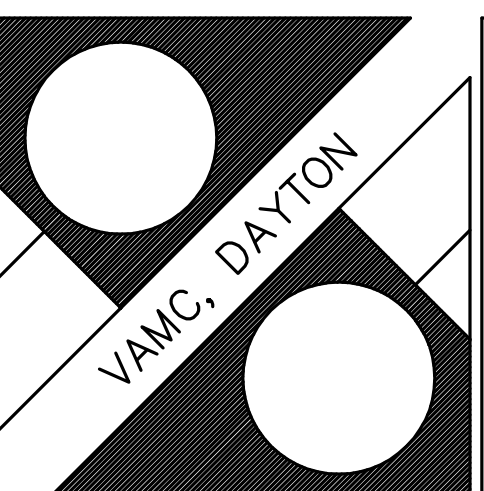
- 1.- EXISTING JUNCTION/SPICE BOXES.
- 2.- NEW 1600A SWITCHBOARD SECTION EXTENDED FROM 305-1 TO ACCOMMODATE NEW LOADS AND PROVIDE FUTURE BREAKER SPACE.
- 3.- NEW CHILLER CH-2: 208V, 3Ø, 100A. PROVIDE (3) #1, (1) #6G IN 2" CONDUIT THROUGH NEMA 3P 200A DISCONNECT TO THE CIRCUIT BREAKER INDICATED. SEE SINGLE-LINE DIAGRAM. BREAKER IS LOCATED IN NEW PANEL 305-1A IN ROOM 111E.
- 4.- PROVIDE ELECTRICAL CONNECTION TO NEW HEAT TRACE AT BOTH NEW AND EXISTING CHILLERS. RUN (2) #12, (1) #12G IN 1" CONDUIT TO HEAT TRACE CONTROLLER. COORDINATE LOCATION WITH SUPPLIER.

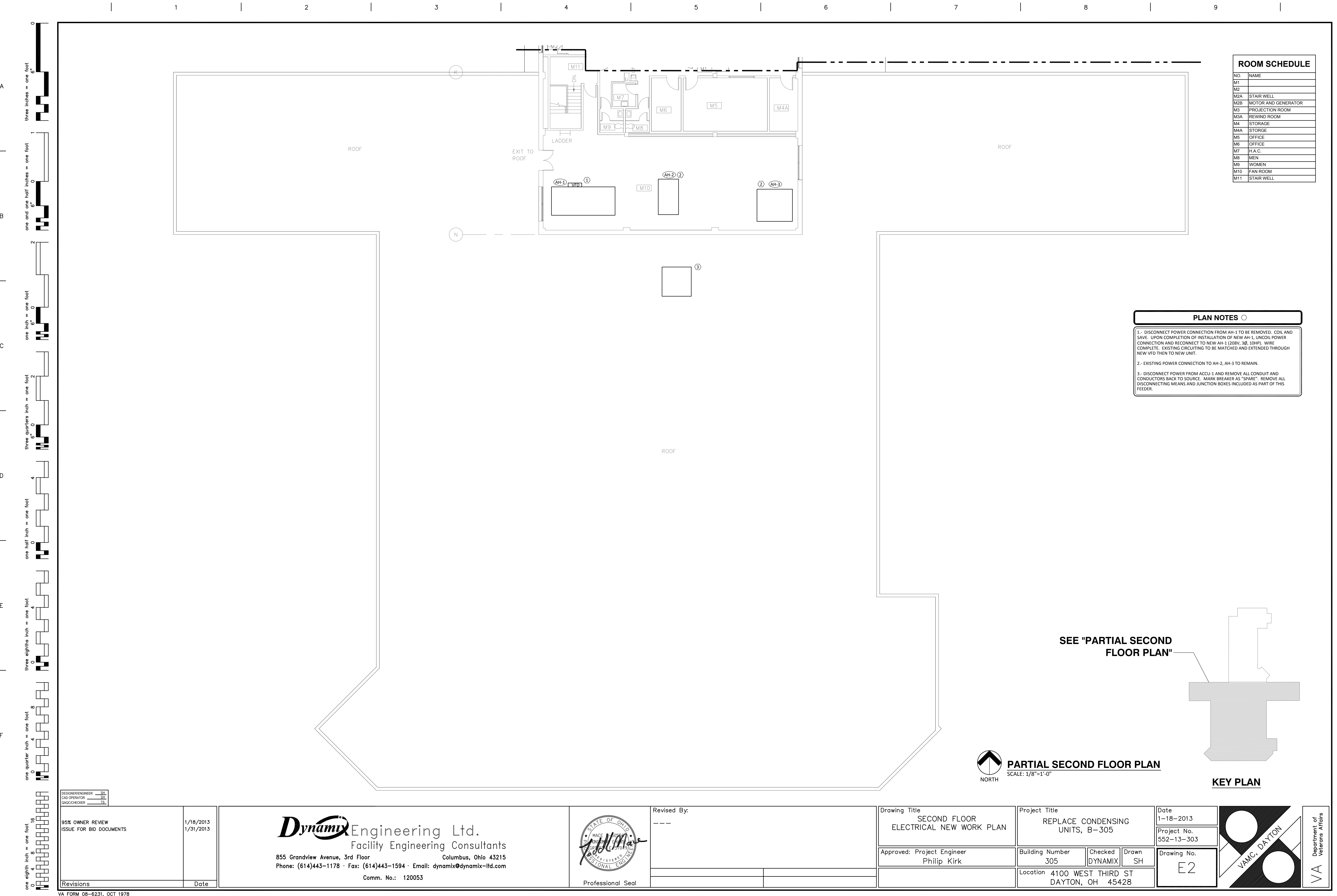
FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

BASEMENT PLAN

SCALE: 1/8"=1'-0"

DESIGNER/ENGINEER <u>SH</u> CAD OPERATOR <u>SH</u> QA/QC CHECKER <u>SH</u>		95% OWNER REVIEW ISSUE FOR BID DOCUMENTS		1/18/2013 1/31/2013	Dynamix Engineering Ltd. Facility Engineering Consultants 855 Grandview Avenue, 3rd Floor Columbus, Ohio 43215 Phone: (614)443-1178 · Fax: (614)443-1594 · Email: dynamix@dynamix-ltd.com Comm. No.: 120053	 Professional Seal	Revised By: _____	Drawing Title BASEMENT AND FIRST FLOOR ELECTRICAL NEW WORK PLANS	Project Title REPLACE CONDENSING UNITS, B-305	Date 1-18-2013 Project No. 552-13-303	 VA Department of Veterans Affairs
Approved: Project Engineer Philip Kirk		Building Number 305	Checked DYNAMIX	Drawn SH			Drawing No. E1				
Location 4100 WEST THIRD ST DAYTON, OH 45428											



ROOM SCHEDULE	
NO.	NAME
M1	
M2	
M2A	STAIR WELL
M2B	MOTOR AND GENERATOR
M3	PROJECTION ROOM
M3A	REWIND ROOM
M4	STORAGE
M4A	STORGE
M5	OFFICE
M6	OFFICE
M7	H.A.C.
M8	MEN
M9	WOMEN
M10	FAN ROOM
M11	STAIR WELL

PLAN NOTES

- 1.- DISCONNECT POWER CONNECTION FROM AH-1 TO BE REMOVED. COIL AND SAVE. UPON COMPLETION OF INSTALLATION OF NEW AH-1, UNCOIL POWER CONNECTION AND RECONNECT TO NEW AH-1 (208V, 3Ø, 10HP). WIRE COMPLETE. EXISTING CIRCUITING TO BE MATCHED AND EXTENDED THROUGH NEW VFD THEN TO NEW UNIT.
- 2.- EXISTING POWER CONNECTION TO AH-2, AH-3 TO REMAIN.
- 3.- DISCONNECT POWER FROM ACCU-1 AND REMOVE ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. MARK BREAKER AS "SPARE", REMOVE ALL DISCONNECTING MEANS AND JUNCTION BOXES INCLUDED AS PART OF THIS FEEDER.

SEE "PARTIAL SECOND FLOOR PLAN"



PARTIAL SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

KEY PLAN

DESIGNER/ENGINEER
CAD OPERATOR
CHECKER/REVISOR

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Professional Seal

Revised By:

Drawing Title
SECOND FLOOR
ELECTRICAL NEW WORK PLAN

Approved: Project Engineer
Philip Kirk

Project Title
REPLACE CONDENSING
UNITS, B-305

Building Number
305

Checked
DYNAMIX

Drawn
SH

Location
4100 WEST THIRD ST
DAYTON, OH 45428

Date
1-18-2013

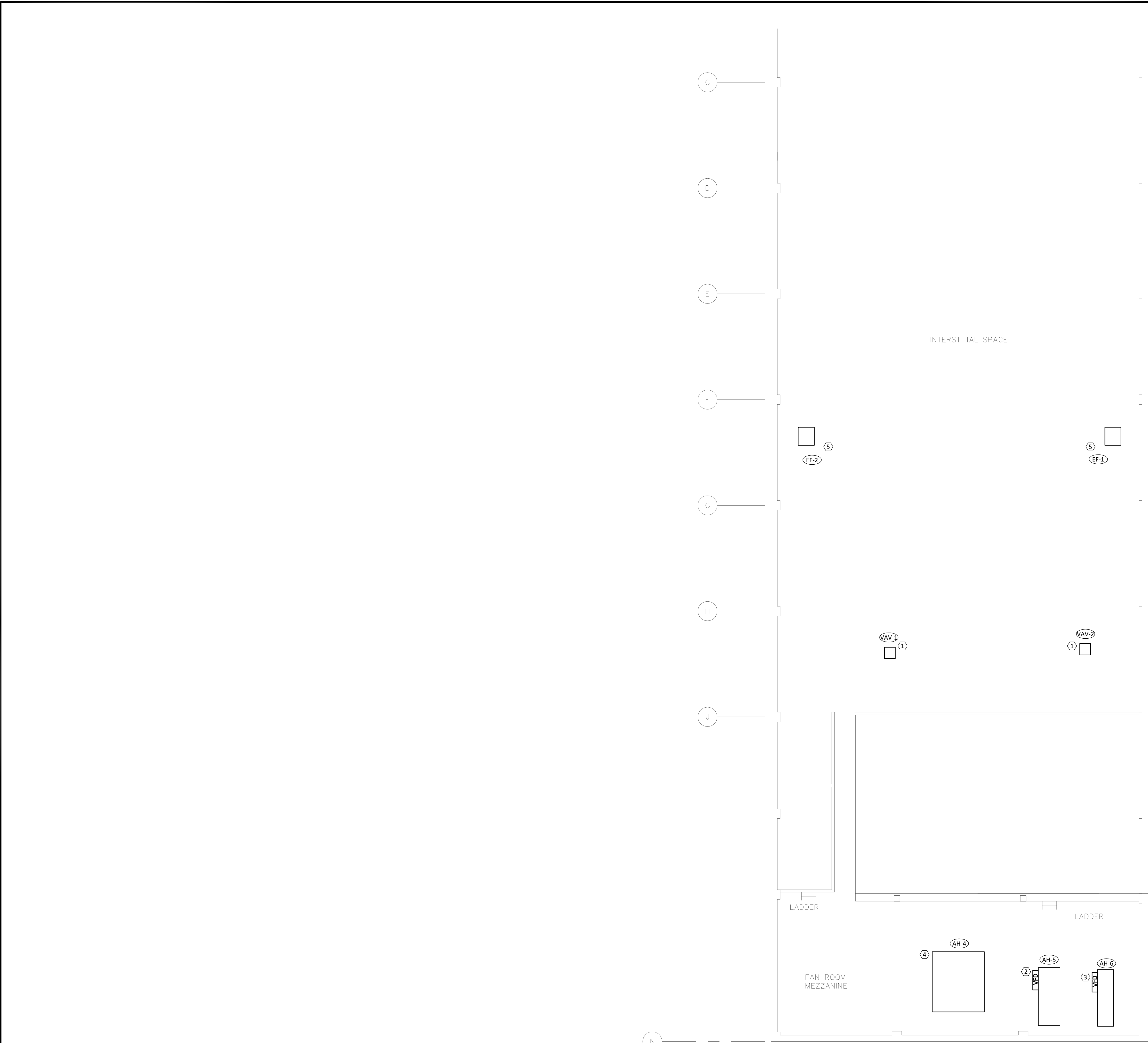
Project No.
552-13-303

Drawing No.
E2

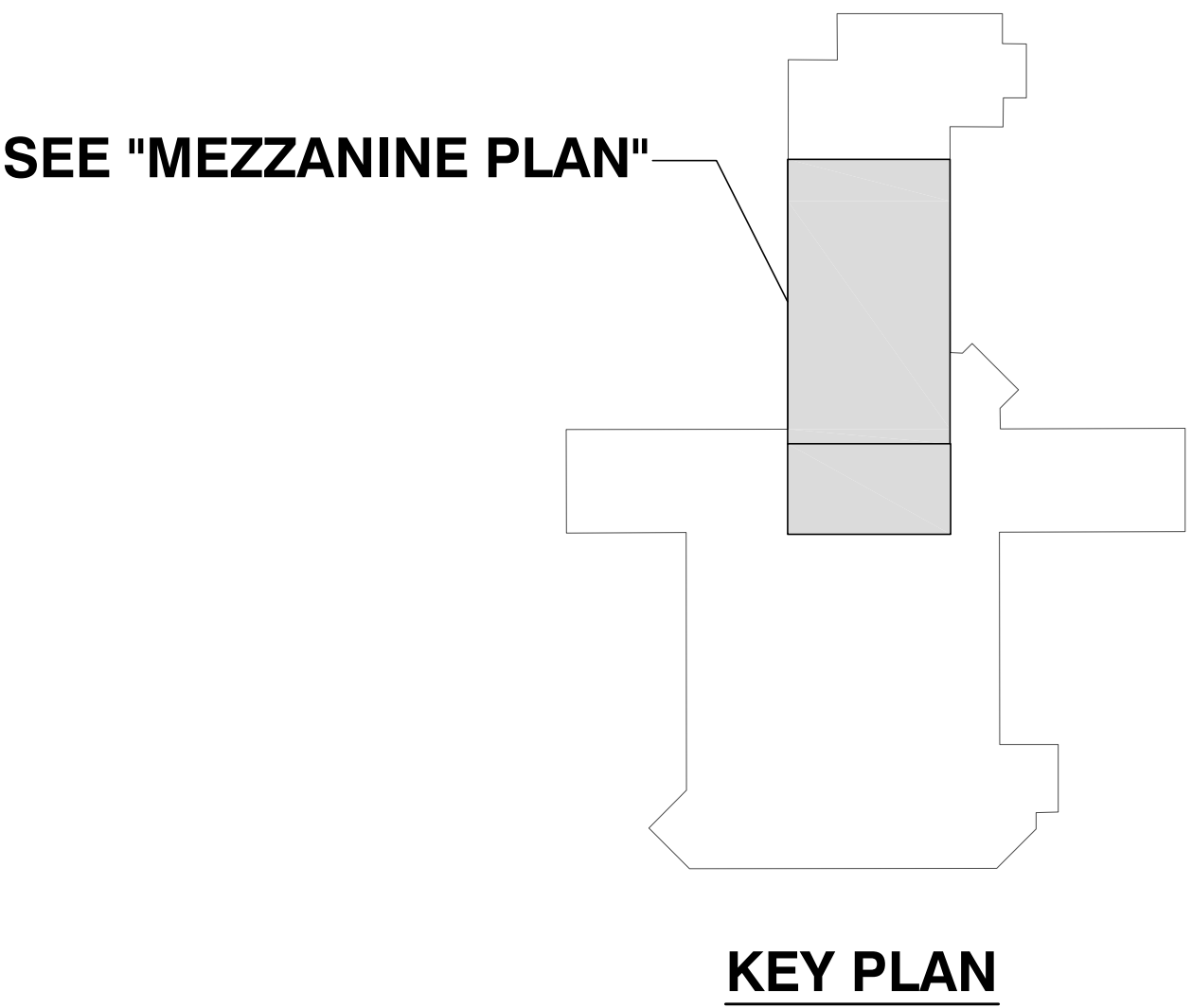
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

0 1 2 3 4 5 6 7 8 9 10
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



- PLAN NOTES** ○
- 1.- EXISTING POWER CONNECTION TO VAV-1, VAV-2 TO REMAIN.
 - 2.- DISCONNECT POWER CONNECTION FROM AH-5 TO BE REMOVED. COIL AND SAVE. UPON COMPLETION OF INSTALLATION OF NEW AH-5, UNCOIL POWER CONNECTION AND RECONNECT TO AH-5 (208V, 3Ø, 3HP). WIRE COMPLETE. EXISTING CIRCUITING TO BE MATCHED AND EXTENDED THROUGH NEW VFD THEN TO NEW UNIT.
 - 3.- DISCONNECT POWER CONNECTION FROM HV-6 TO BE REMOVED. COIL AND SAVE. UPON COMPLETION OF INSTALLATION OF NEW AH-6 (208V, 3Ø, 2HP), UNCOIL POWER CONNECTION AND RECONNECT TO AH-6. WIRE COMPLETE. EXISTING CIRCUITING TO BE MATCHED AND EXTENDED THROUGH NEW VFD THEN TO NEW UNIT.
 - 4.- EXISTING POWER CONNECTION TO HV-4 TO BE MODIFIED BY DISCONNECTING COMBO/STARTER DISCONNECT AND REPLACING WITH NEW VFD.
 - 5.- DISCONNECT EXISTING POWER CONNECTION TO EF-1 AND EF-2 TO BE REMOVED. UPON COMPLETION OF INSTALLATION OF NEW EF-1 AND EF-2, UNCOIL POWER CONNECTION AND RECONNECT TO NEW FANS. WIRE COMPLETE.
 - 6.- EXISTING DUCT SMOKE DETECTOR AND ACCESSORIES TO REMAIN AND BE TESTED/COORDINATED WITH NEW UNITS.



DESIGNER/ENGINEER CAD OPERATOR CHECKER/REVIEWER	95% OWNER REVIEW ISSUE FOR BID DOCUMENTS	1/18/2013 1/31/2013	Dynamix Engineering Ltd. Facility Engineering Consultants 855 Grandview Avenue, 3rd Floor Columbus, Ohio 43215 Phone: (614)443-1178 · Fax: (614)443-1594 · Email: dynamix@dynamix-ltd.com Comm. No.: 120053	 Professional Seal	Revised By: _____ _____ _____	Drawing Title MEZZANINE ELECTRICAL NEW WORK PLAN	Project Title REPLACE CONDENSING UNITS, B-305	Date 1-18-2013 Project No. 552-13-303	Drawing No. E3	 VAMC, DAYTON	VA Department of Veterans Affairs	
Revisions	Date					Approved: Project Engineer Philip Kirk	Building Number 305	Checked DYNAMIX	Drawn SH	Location 4100 WEST THIRD ST DAYTON, OH 45428		