



# FORT PECK DAM, MONTANA POWER HOUSE FIRE AND SECURITY SYSTEM REPLACEMENT

VOLUME II

SOLICITATION NO.: W9128F23R0001

CONTRACT NO.:

ISSUE DATE: OCTOBER 2022

THIS PROJECT WAS DESIGNED BY THE OMAHA DISTRICT OF THE US ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF DRAWINGS IN THIS SET.

DAVENPORT WILLIAM C. 1403662271 Digitally signed by DAVENPORT WILLIAM C. 1403662271 DN: cn=Davenport, o=DAVENPORT WILLIAM C. 1403662271, email=DAVENPORT WILLIAM C. 1403662271@DAVENPORT.WILLIAMC.COM, c=US Date: 2022.09.27 12:32:12 -05'00'	SUBMITTED BY:
_____ CHIEF, DESIGN BRANCH	CHIEF: SUBMITTED BY: DENNING SEAN A. 1367418750 Digitally signed by DENNING SEAN A. 1367418750 DN: cn=Denning, o=DENNING SEAN A. 1367418750, email=DENNING SEAN A. 1367418750@DENNING.SEANA.COM, c=US Date: 2022.09.22 09:49:41 -05'00'
_____ DATE	CHIEF: STRUCTURAL SECTION SUBMITTED BY: LINDGREN SCOTT A. 1384738604 Digitally signed by LINDGREN SCOTT A. 1384738604 DN: cn=Lindgren, o=LINDGREN SCOTT A. 1384738604, email=LINDGREN SCOTT A. 1384738604@LINDGREN.SCOTTA.COM, c=US Date: 2022.09.22 09:41:49 -05'00'
_____ DATE	CHIEF: ELECTRICAL SECTION SUBMITTED BY: SWERCZEK JAMES S. 1543243236 Digitally signed by SWERCZEK JAMES S. 1543243236 DN: cn=Swerczek, o=SWERCZEK JAMES S. 1543243236, email=SWERCZEK JAMES S. 1543243236@SWERCZEK.JAMESS.COM, c=US Date: 2022.09.22 13:48:49 -05'00'
_____ DATE	CHIEF: MECHANICAL SECTION SUBMITTED BY: OWENS TRACI M. 1401511721 Digitally signed by OWENS TRACI M. 1401511721 DN: cn=Owens, o=OWENS TRACI M. 1401511721, email=OWENS TRACI M. 1401511721@OWENS.TRACIM.COM, c=US Date: 2022.09.22 07:11:43 -05'00'
_____ DATE	CHIEF: CIVIL & ENVIRONMENTAL SECTION SUBMITTED BY: HALL KLAUDAS E. 1364806058 Digitally signed by HALL KLAUDAS E. 1364806058 DN: cn=Hall, o=HALL KLAUDAS E. 1364806058, email=HALL KLAUDAS E. 1364806058@HALL.KLAUDAS.COM, c=US Date: 2022.09.23 07:23:29 -05'00'
_____ DATE	CHIEF: GEOTECHNICAL ENG. SECTION SUBMITTED BY:
_____ STURDIVANT PETER L. AURENCE. 1154669589 Digitally signed by STURDIVANT PETER L. AURENCE. 1154669589 DN: cn=Sturdivant, o=STURDIVANT PETER L. AURENCE. 1154669589, email=STURDIVANT PETER L. AURENCE. 1154669589@STURDIVANT.PETERL.COM, c=US Date: 2022.09.28 09:05:26 -06'00'	CHIEF: SUBMITTED BY: HOFFMAN MILDRED E. 1386910444 Digitally signed by HOFFMAN MILDRED E. 1386910444 DN: cn=Hoffman, o=HOFFMAN MILDRED E. 1386910444, email=HOFFMAN MILDRED E. 1386910444@HOFFMAN.MILDRED.COM, c=US Date: 2022.09.23 09:30:38 -05'00'

[illegible]

U.S. ARMY CORPS OF ENGINEERS OMAHA DISTRICT OMAHA NEBRASKA	DESIGNED BY:	M. HOFFMAN	ISSUE DATE:	OCTOBER 2022
	DRAWN BY:	M. HOFFMAN	SOLICITATION NO.:	W912EF2R0001
	CHECKED BY:	M. HOFFMAN	CONTRACT NO.:	
	SUBMITTED BY:	M. HOFFMAN	FILE NUMBER	
	SIZE:	M. HOFFMAN	FILE NAME	

FORT PECK DAM, MONTANA  
POWER HOUSE FIRE AND SECURITY  
SYSTEM REPLACEMENT

COVER SHEET

SHEET ID  
G-001

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C

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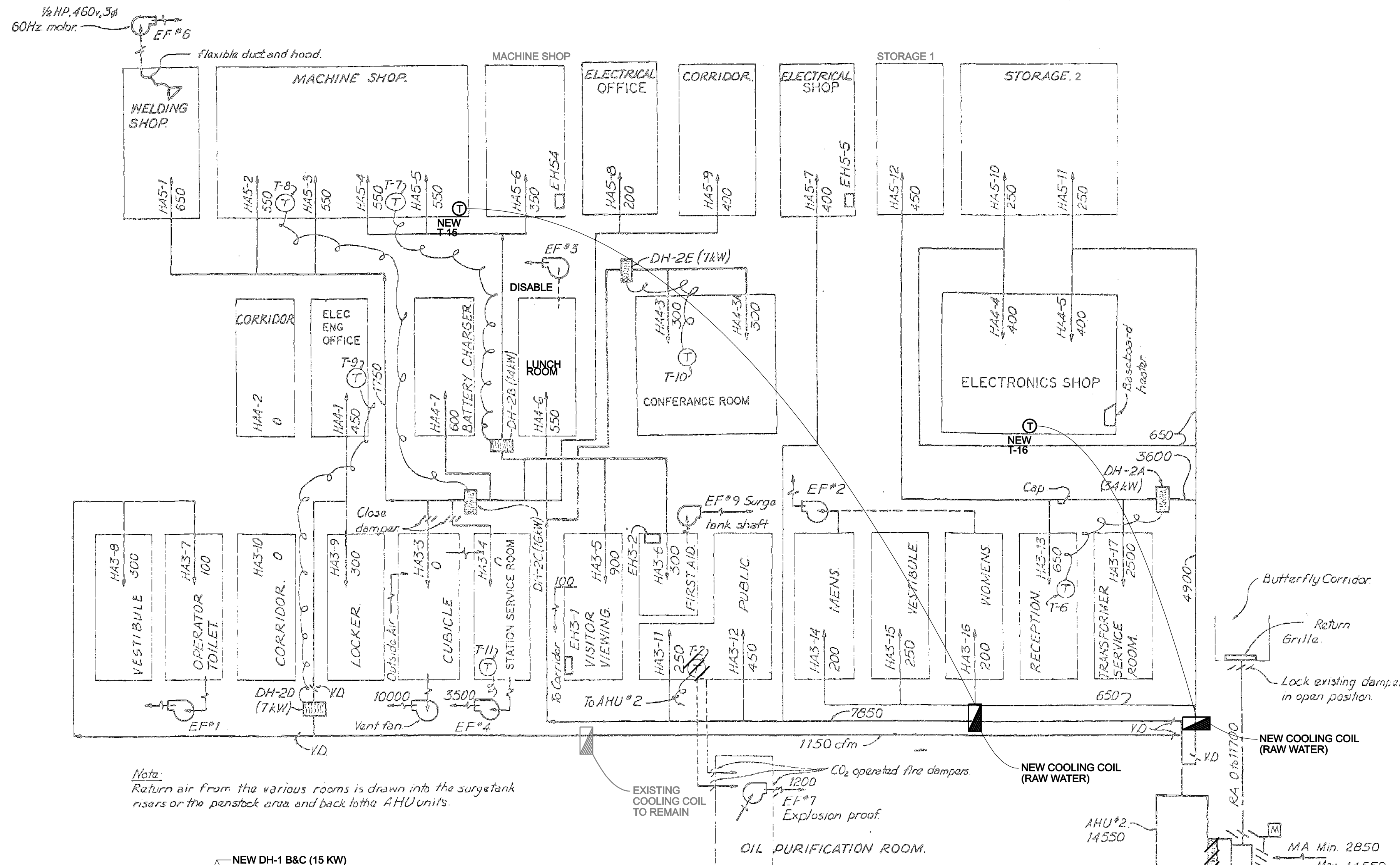
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B

A



AIR FLOW DIAGRAM - AHU N° 1 AND FURNACE N° 3

SUPPLEMENTAL LEGEND (ALL SHEETS)  
REMOVE AND REPLACE WITH NEW CAPACITY TO MATCH EXISTING

COIL DIMENSIONS SCHEDULE			
UNIT	WIDTH	HEIGHT	SECTION DEPTH
AHU-1	111-1/2"	40"	23"
AHU-2	111-1/2"	40"	11-1/2"
ACU-1	44"	17-1/2"	17-1/2"
ACU-2	51-1/2"	12"	11-1/2"

- GENERAL NOTES (ALL SHEETS)
- CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  - TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.
  - REMOVE ASBESTOS GASKET BETWEEN AIR HANDLING HEATING COIL ACU-1, ACU-2, AHU-1, AHU-2, AND HEATER CONTROL PANEL.

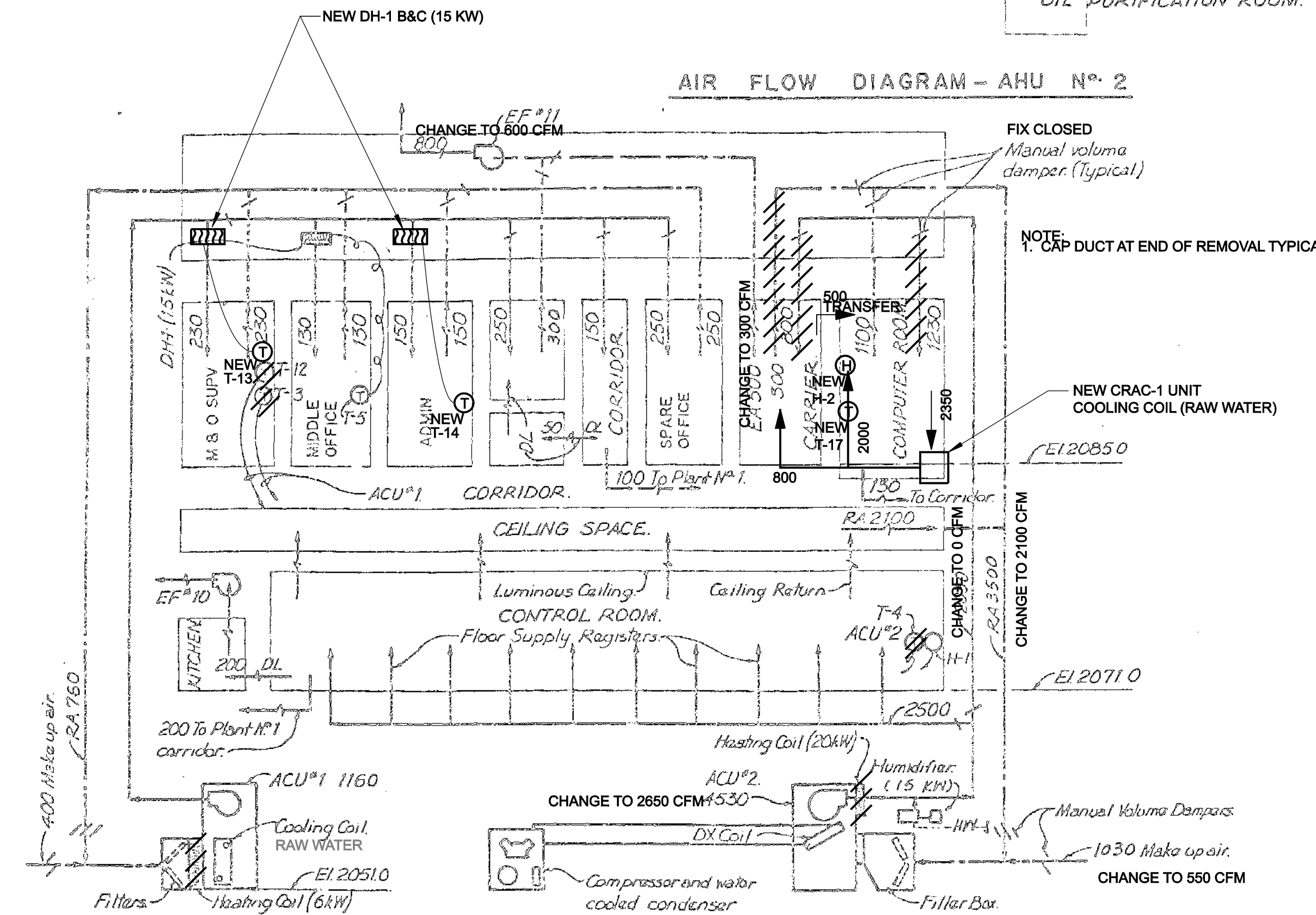
FOR CAPACITIES & VOLTAGES SEE SHEET M1-113.

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

\$\$ - THINK VALUE ENGINEERING - \$\$			
REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2		MONTANA
HVAC POWER PLANT 1 AIR FLOW DIAGRAM			
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: DESIGN FILE: FP38-M1-101	DATE: OCTOBER 2007	SHEET REFERENCE NUMBER: M1-101
CHIEF: MECH SECTION	SOLICITATION NO.: W9128F-OX-X-00XX	DRAWING CODE: MGR297-082	
CONTRACT NO.: W9128F-OX-C-00XX			

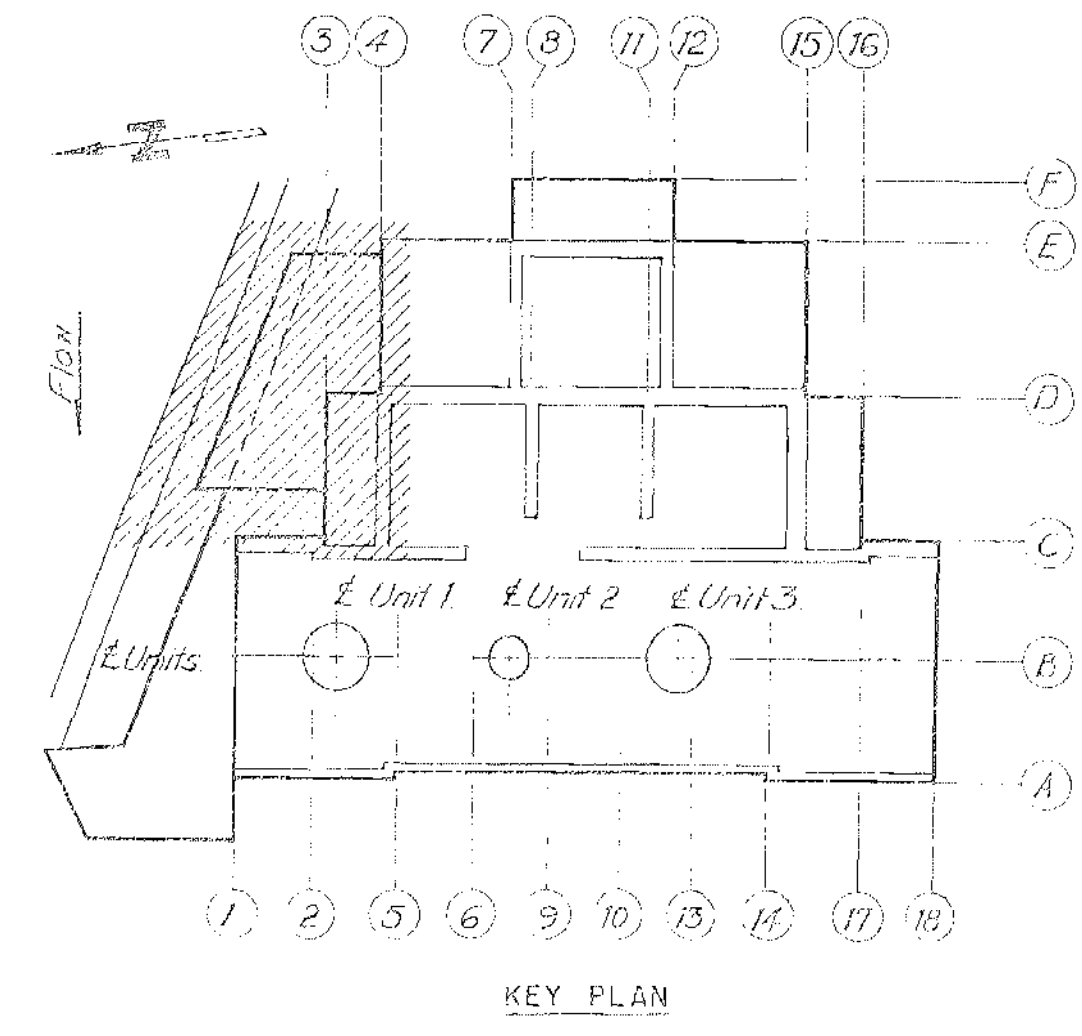
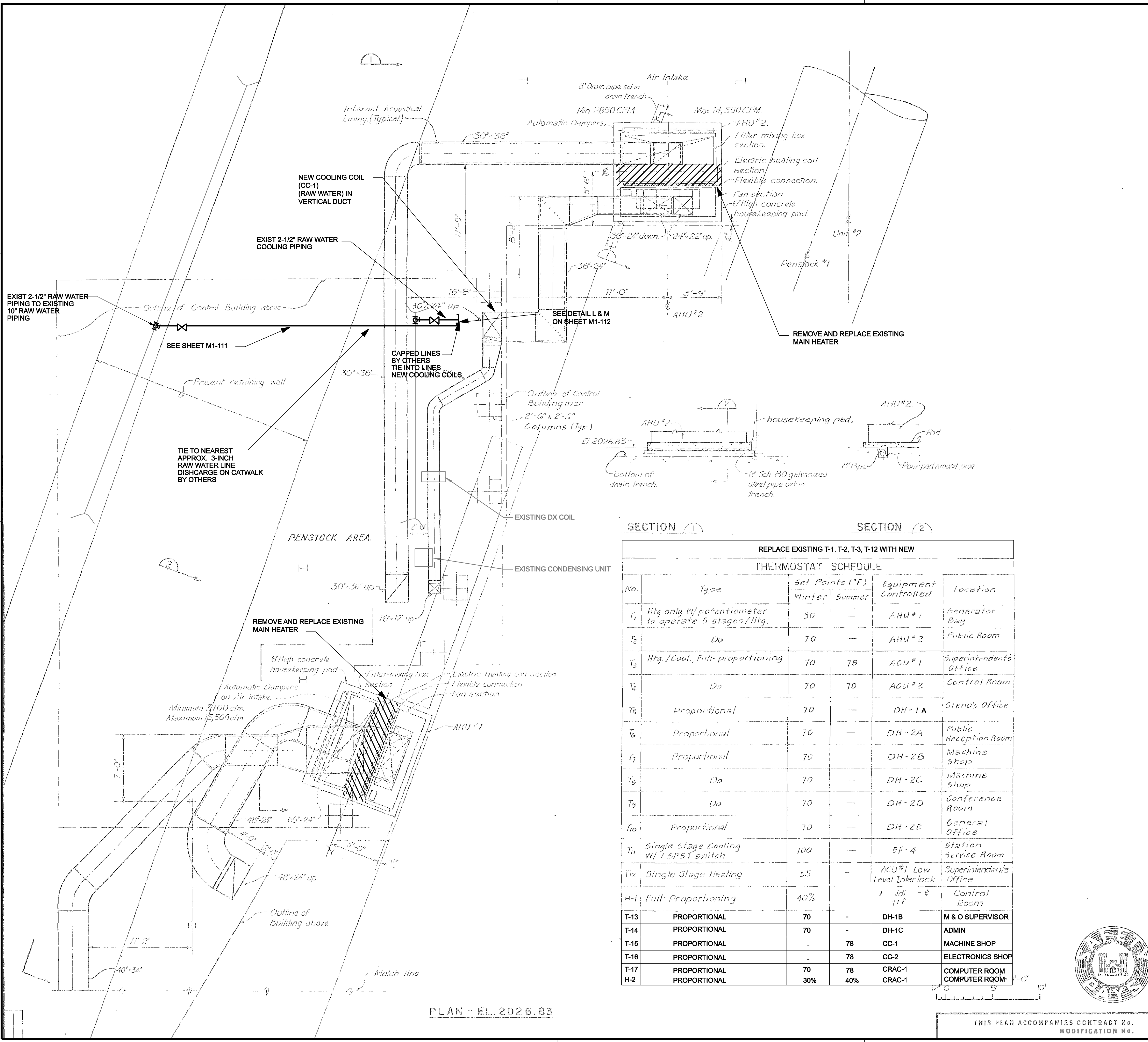


THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.



AIR FLOW DIAGRAM - CONTROL BUILDING - ACU N° 1 AND ACU N° 2

AIR FLOW DIAGRAM - BATTERY ROOM.



**SUPPLEMENTAL LEGEND (ALL SHEETS)**

REMOVE AND REPLACE WITH NEW CAPACITY TO MATCH EXISTING

- GENERAL NOTES (ALL SHEETS)**
- CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  - TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.
  - REMOVE ASBESTOS GASKET BETWEEN AIR HANDLING HEATING COIL ACU-1, ACU-2, AHU-1, AHU-2, AND HEATER CONTROL PANEL.

REPLACE EXISTING T-1, T-2, T-3, T-12 WITH NEW					
THERMOSTAT SCHEDULE					
No.	Type	Set Points (°F) Winter Summer	Equipment Controlled	Location	
T <sub>1</sub>	Htg. only w/ potentiometer to operate 5 stages/Htg.	50 -	AHU #1	Generator Bay	
T <sub>2</sub>	Do	70 -	AHU #2	Public Room	
T <sub>3</sub>	Htg./Cool. Full-proportioning	70 78	ACU #1	Superintendent's Office	
T <sub>4</sub>	Do	70 78	ACU #2	Control Room	
T <sub>5</sub>	Proportional	70 -	DH-1A	Steno's Office	
T <sub>6</sub>	Proportional	70 -	DH-2A	Public Reception Room	
T <sub>7</sub>	Proportional	70 -	DH-2B	Machine Shop	
T <sub>8</sub>	Do	70 -	DH-2C	Machine Shop	
T <sub>9</sub>	Do	70 -	DH-2D	Conference Room	
T <sub>10</sub>	Proportional	70 -	DH-2E	General Office	
T <sub>11</sub>	Single Stage Cooling w/ 1 SPST switch	100 -	EF-4	Station Service Room	
T <sub>12</sub>	Single Stage Heating	55 -	ACU #1 Low Level Interlock	Superintendent's Office	
H-1	Full Proportioning	40% -	1 add 11°	Control Room	
T-13	PROPORTIONAL	70 -	DH-1B	M & O SUPERVISOR	
T-14	PROPORTIONAL	70 -	DH-1C	ADMIN	
T-15	PROPORTIONAL	- 78	CC-1	MACHINE SHOP	
T-16	PROPORTIONAL	- 78	CC-2	ELECTRONICS SHOP	
T-17	PROPORTIONAL	70 78	CRAC-1	COMPUTER ROOM	
H-2	PROPORTIONAL	30% 40%	CRAC-1	COMPUTER ROOM	

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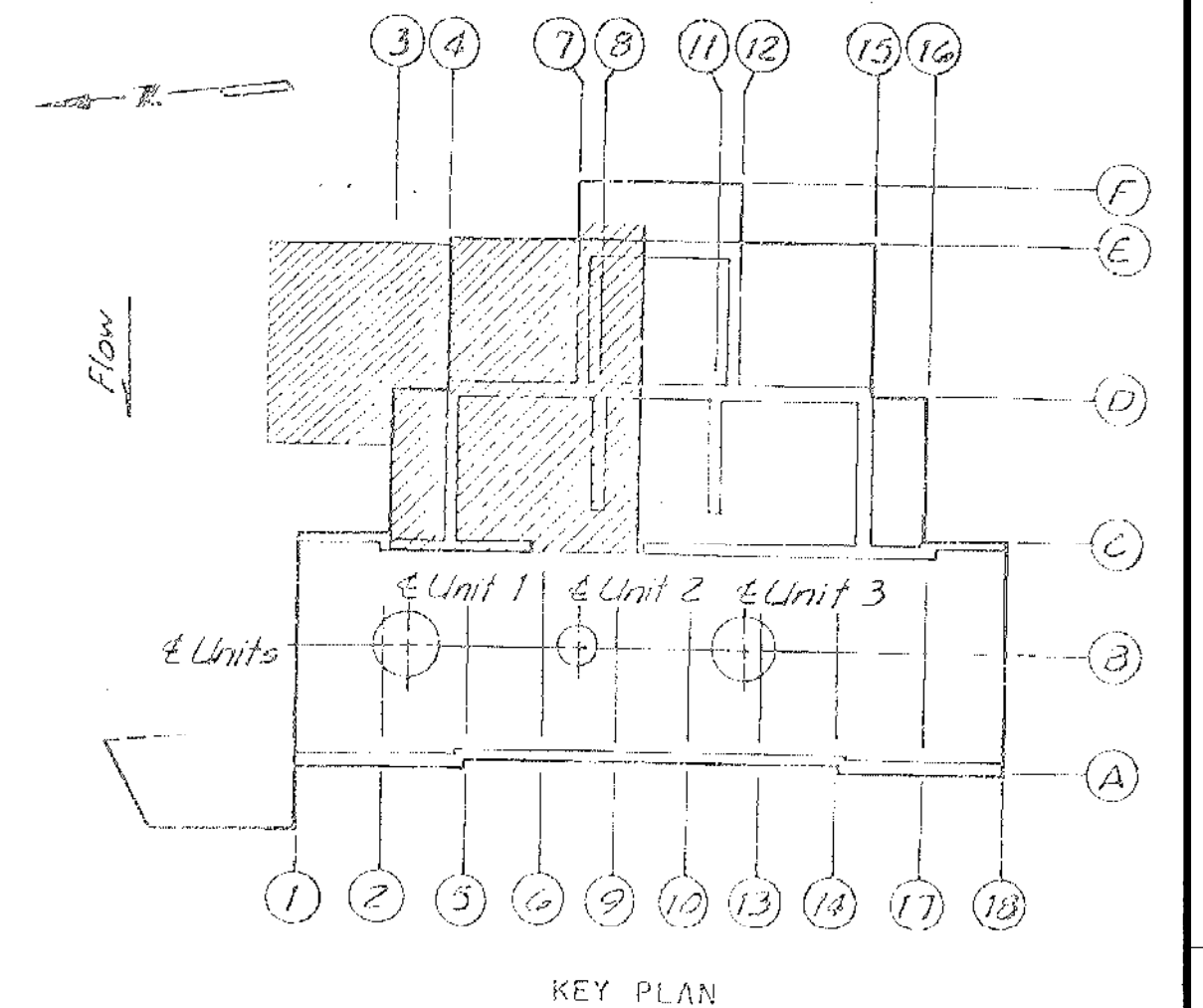
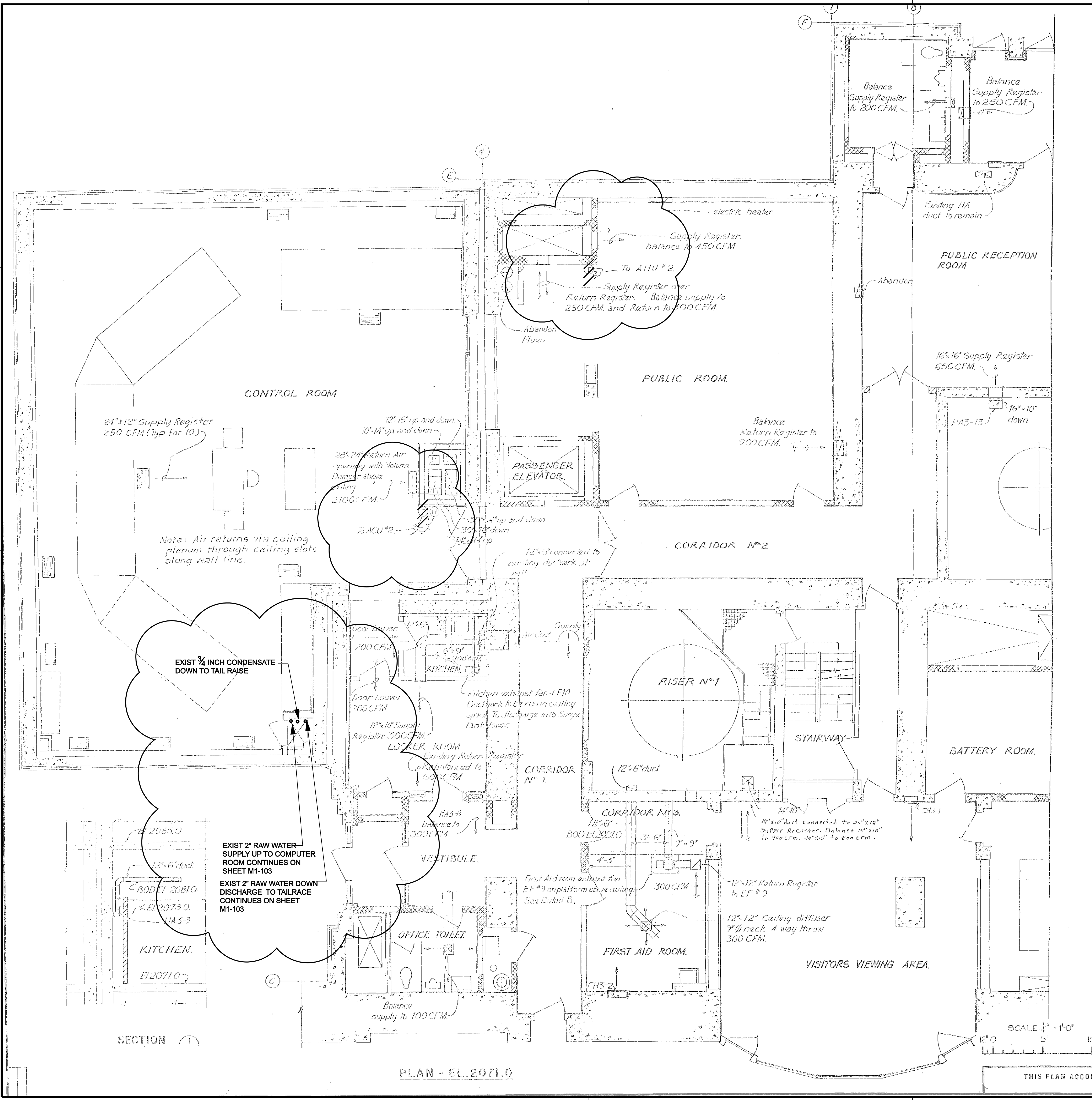
\$\$ - THINK VALUE ENGINEERING - \$\$			
REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2		MONTANA
HVAC POWER PLANT 1 EL. 2062.83			
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: DESIGN FILE: FP38-M1-102	DATE: OCTOBER 2007	SHEET REFERENCE NUMBER: M1-102
CHIEF: MECH SECTION	SOLICITATION NO.: W9128F-OX-X-00XX	DRAWING CODE: MGR297-082	CONTRACT NO.: W9128F-OX-C-00XX

THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.









GENERAL NOTES  
1. CONNECT SUPPLY WATER TO NEAREST RAW WATER SUPPLY IN CORRIDOR ON THIS FLOOR.

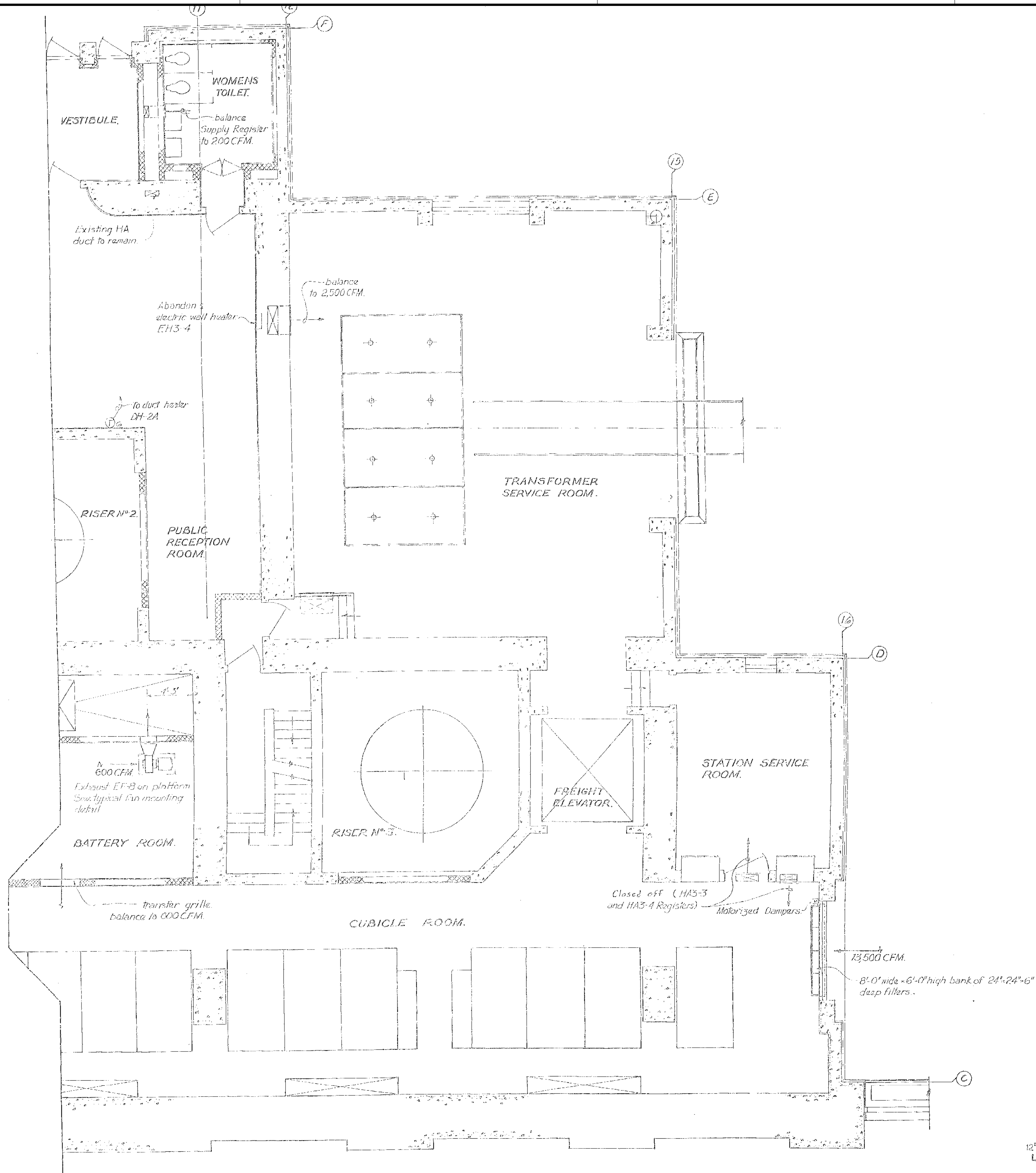
GENERAL NOTES (ALL SHEETS)  
1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)  
2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

SYMBOL			
REVISIONS			
DESIGNATIONS			
DATE			
APPROVED			
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.		FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 EL 2071.0 N CONTROL BAY	
SUBMITTED BY: MICHAEL SMITH		PLOT SCALE RATIO: 1:1 DESIGN FILE: FP38-M1-104 SOLICITATION NO.: W9128F-OX-X-00XX CONTRACT NO.: W9128F-OX-C-00XX	
CHIEF: MECH SECTION		DATE: OCTOBER 2007 DRAWING CODE: MGR297-082 SHEET REFERENCE NUMBER: M1-104	



THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.

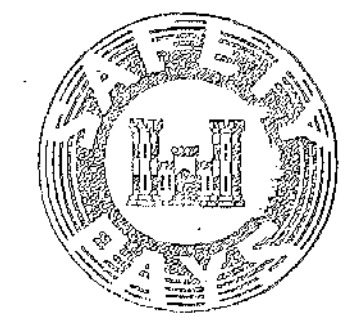


- GENERAL NOTES (ALL SHEETS)
1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.

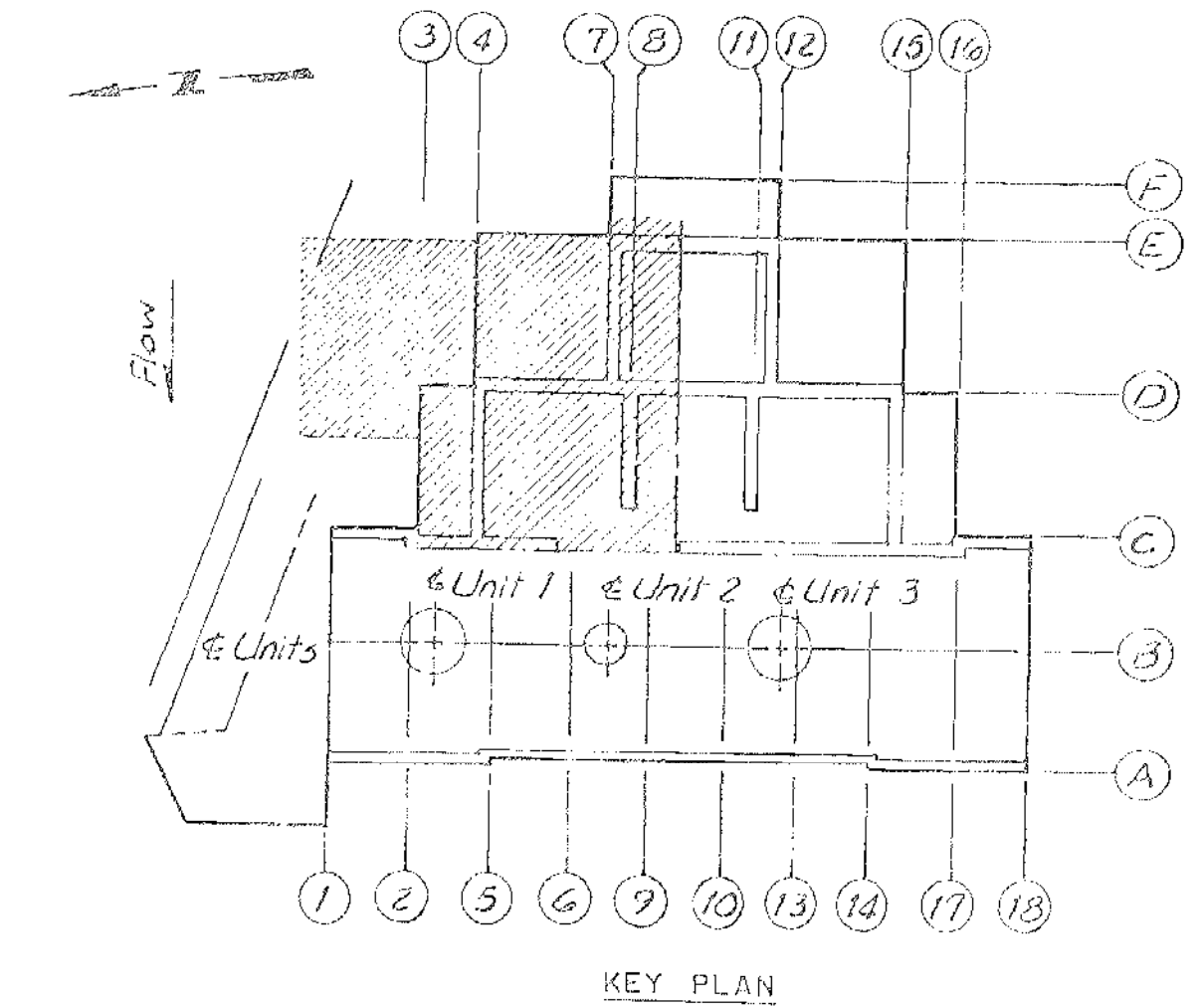
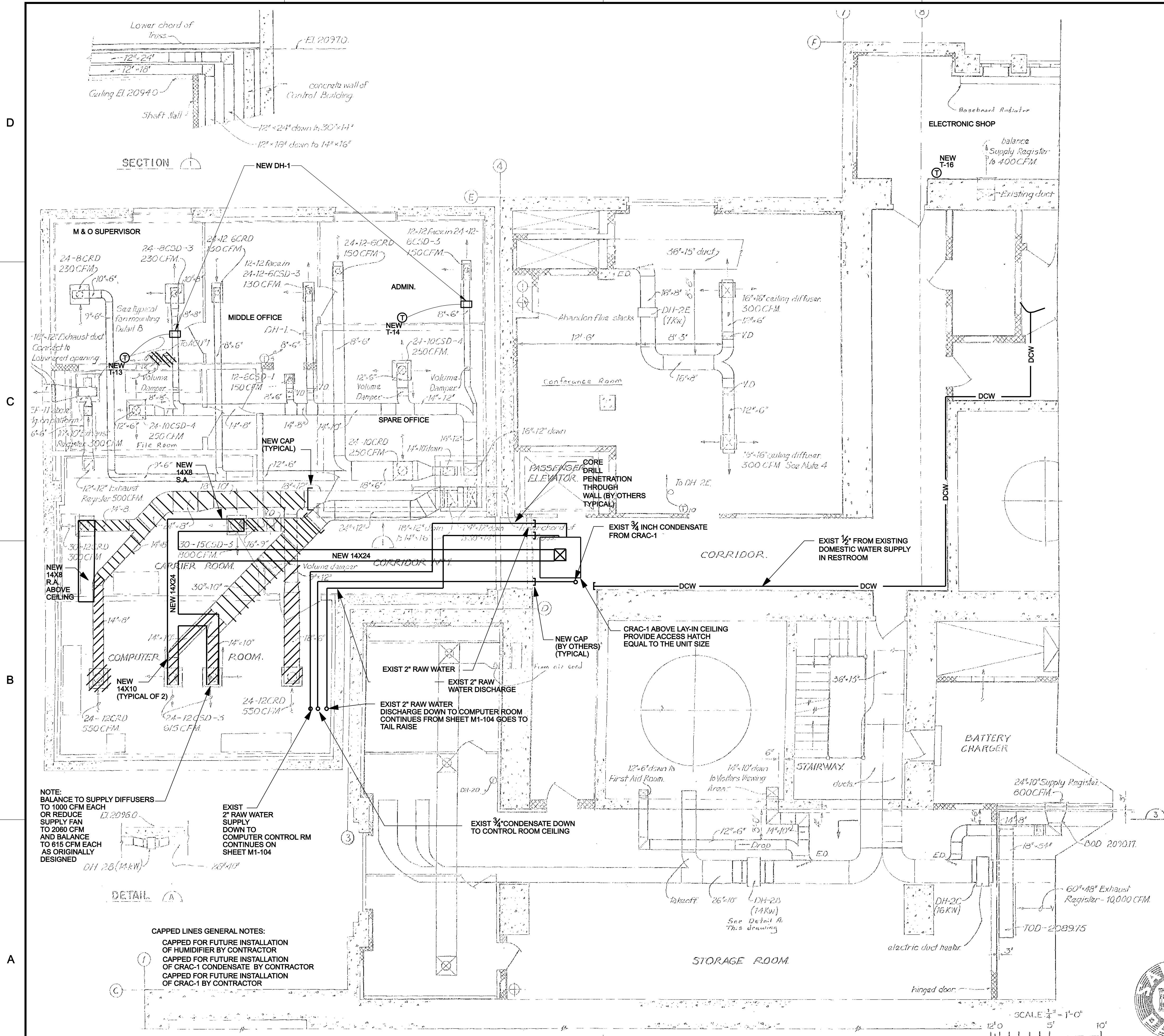
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REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 EL 2071.0 S CONTROL BAY	MONTANA	
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: 1:1 DESIGN FILE: FP38-M1-105 SOLICITATION NO.: W9128F-OX-X-00XX CONTRACT NO.: W9128F-OX-C-00XX	DATE: OCTOBER 2007	SHEET REFERENCE NUMBER: M1-105
CHIEF: MECH SECTION	DRAWING CODE: MGR297-082		

SCALE: 1/4" = 1'-0"  
12' 0" 5' 10'



THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.



# SUPPLEMENTAL LEGEND (ALL SHEETS)

REMOVE AND REPLACE WITH NEW CAPACITY TO MATCH EXISTING

## GENERAL NOTES

1. CONNECT HUMIDIFIER SUPPLY WATER TO NEAREST WATER SUPPLY IN CORRIDOR ON THIS FLOOR.

## GENERAL NOTES (ALL SHEETS)

1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.
3. REMOVE ASBESTOS GASKET BETWEEN AIR HANDLING HEATING COIL ACU-1, ACU-2, AHU-1, AHU-2, AND HEATER CONTROL PANEL.

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

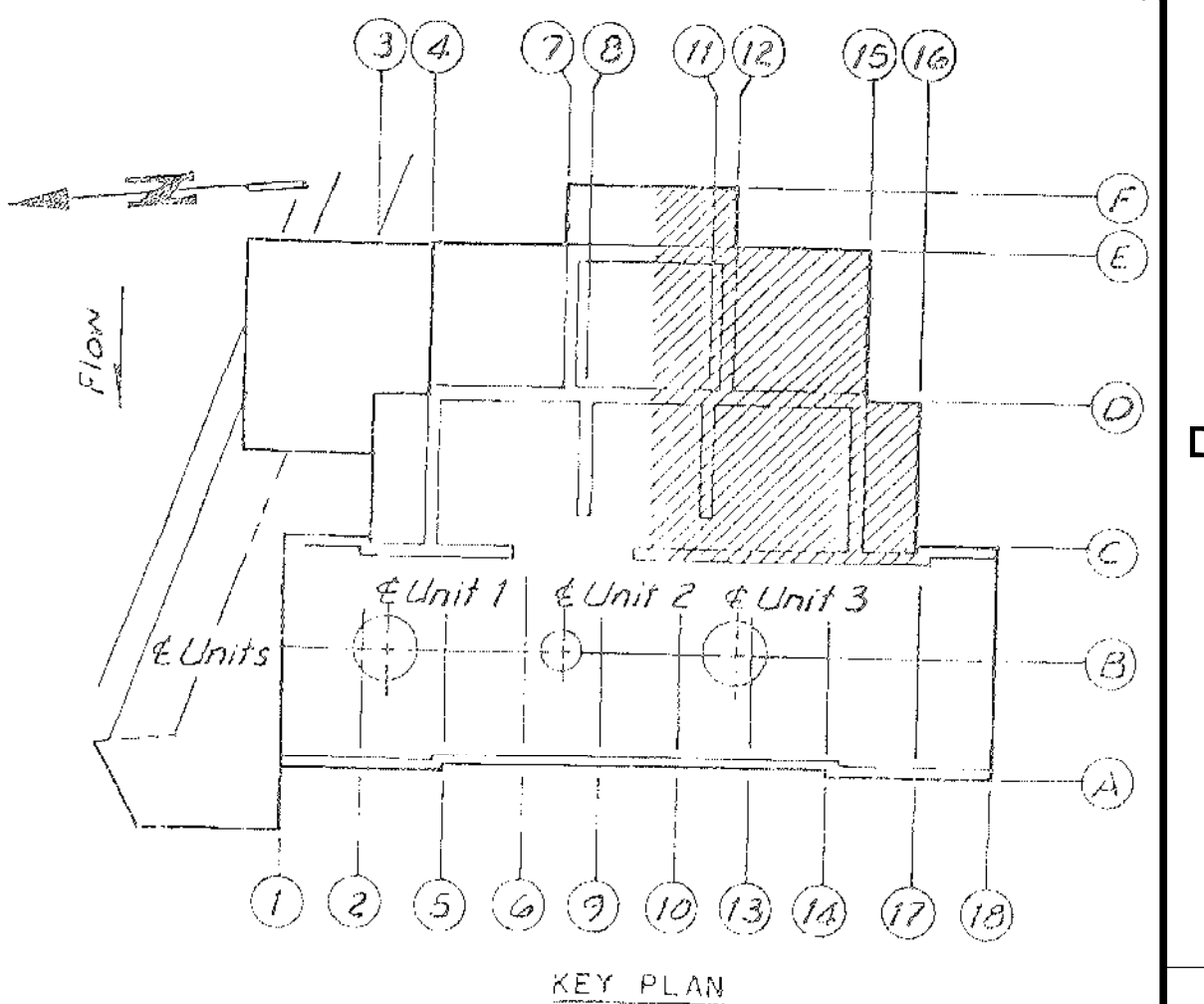
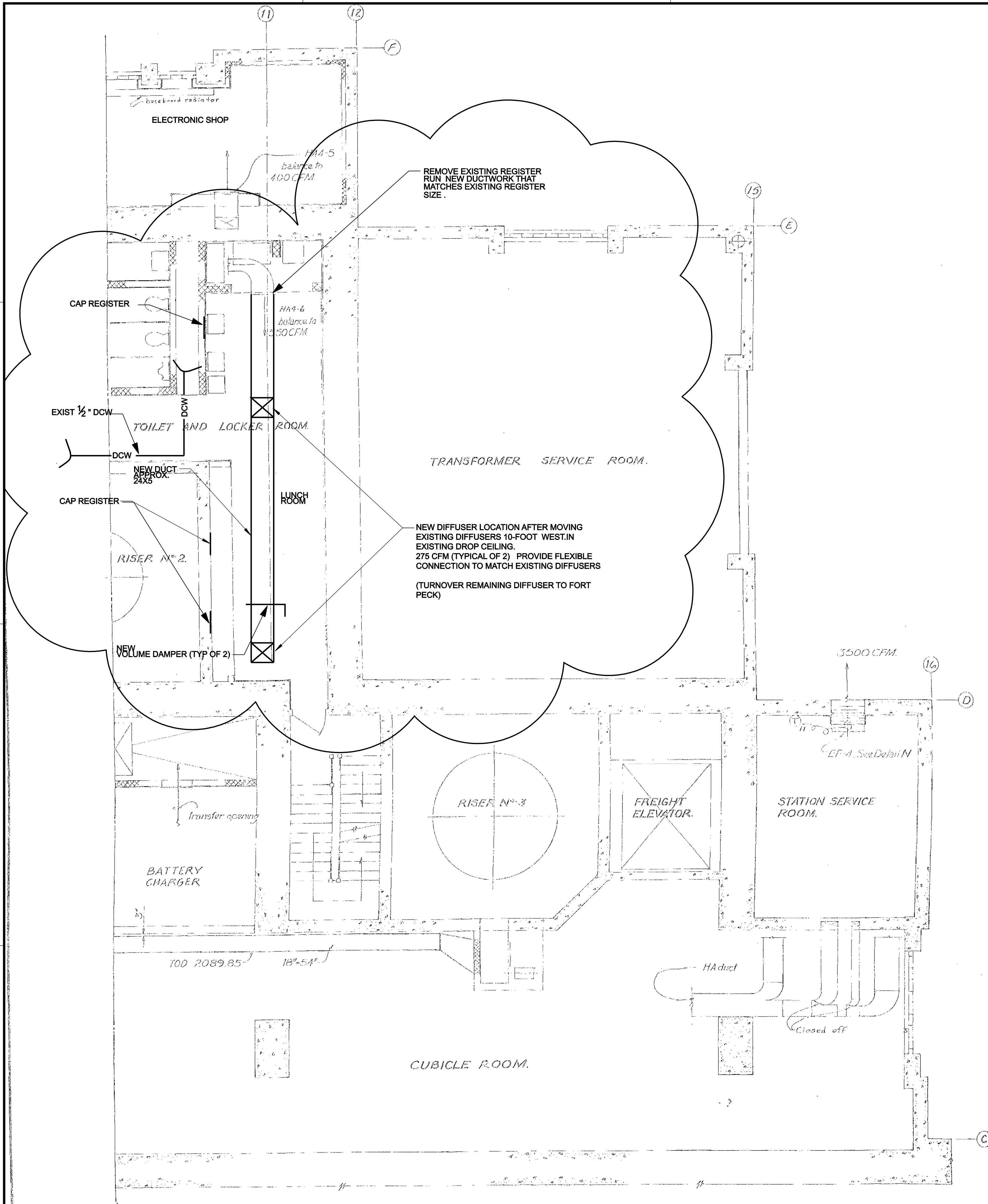
# \$\$ - THINK VALUE ENGINEERING - \$\$

REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
OMAHA, NEBRASKA

DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 EL 2085.0 N CONTROL BAY	MONTANA
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: DESIGN FILE: FP38-M1-106 SOLICITATION NO.: W9128F-0X-X-00XX CONTRACT NO.: W9128F-0X-C-00XX	DATE: OCTOBER 2007 DRAWING CODE: MGR297-082 SHEET REFERENCE NUMBER: M1-106
CHIEF: MECH SECTION	THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.	





- GENERAL NOTES (ALL SHEETS)
1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE SPECIFICATION SECTION 15990.

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\$\$ - THINK VALUE ENGINEERING - \$\$			
REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 EL 2085.0 S CONTROL BAY		
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: DESIGN FILE: FP38-M1-107 SOLICITATION NO.: W9128F-OX-X-00XX CONTRACT NO.: W9128F-OX-C-00XX	DATE: OCTOBER 2007	SHEET REFERENCE NUMBER: M1-107
CHIEF: MECH SECTION	DRAWING CODE: MGR297-082		

SCALE: 1/4" = 1'-0"  
12" 0 5' 10'



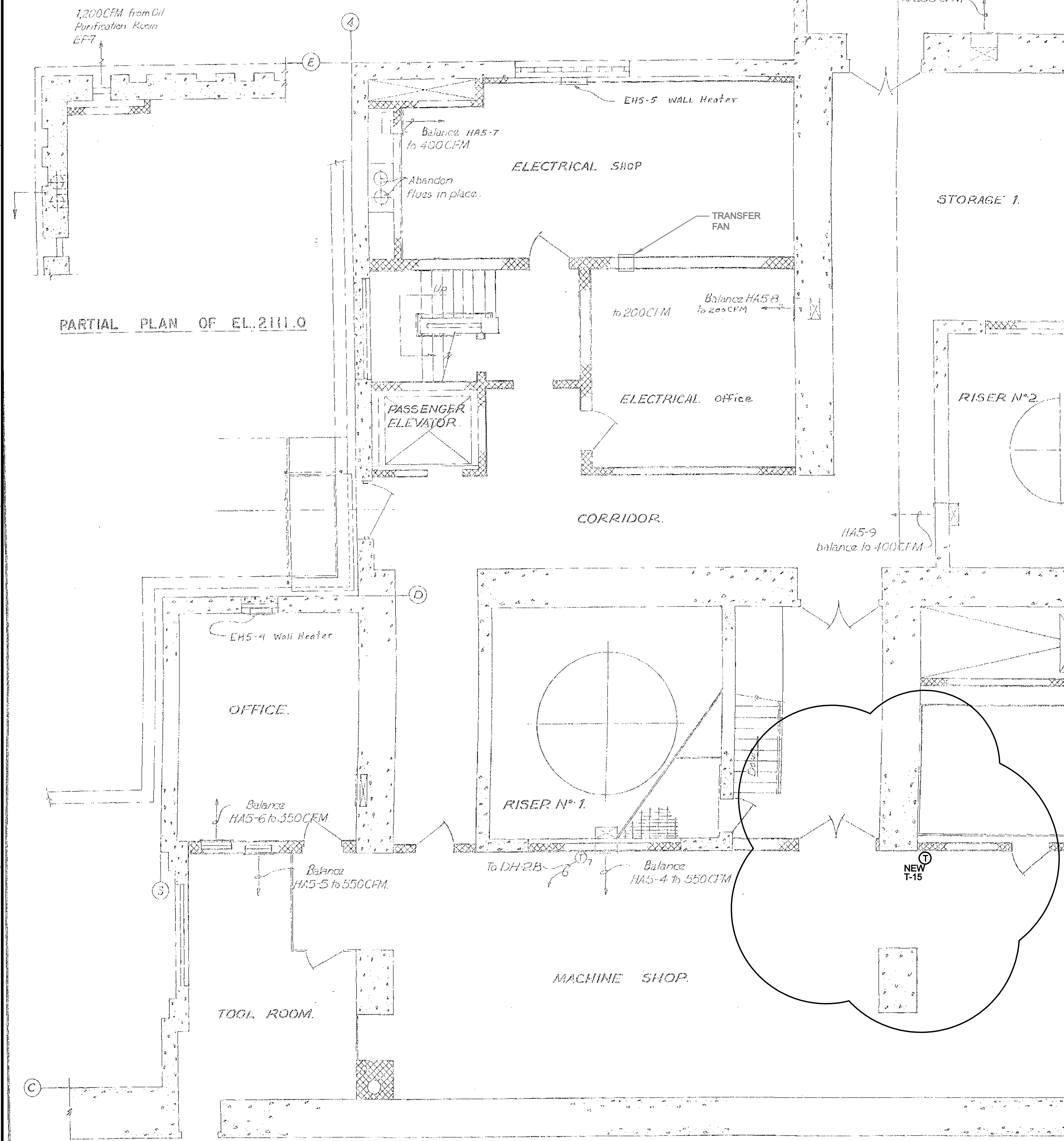
THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.

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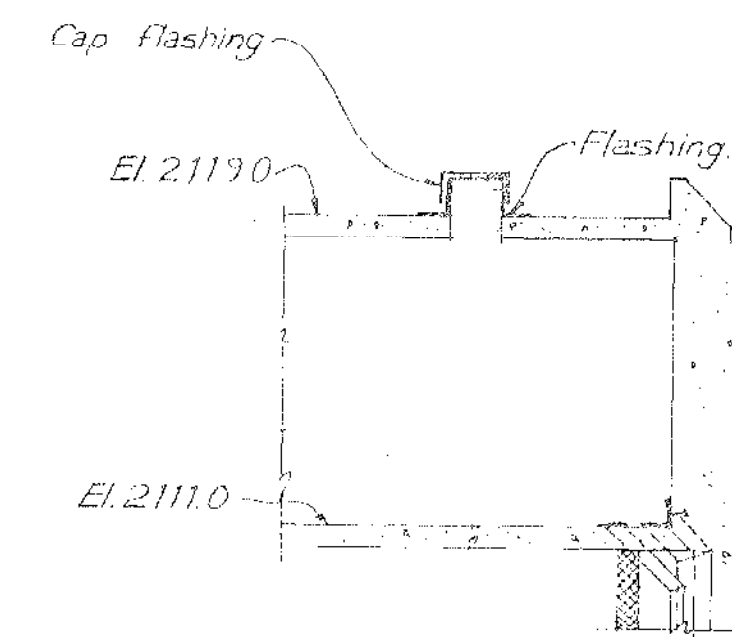
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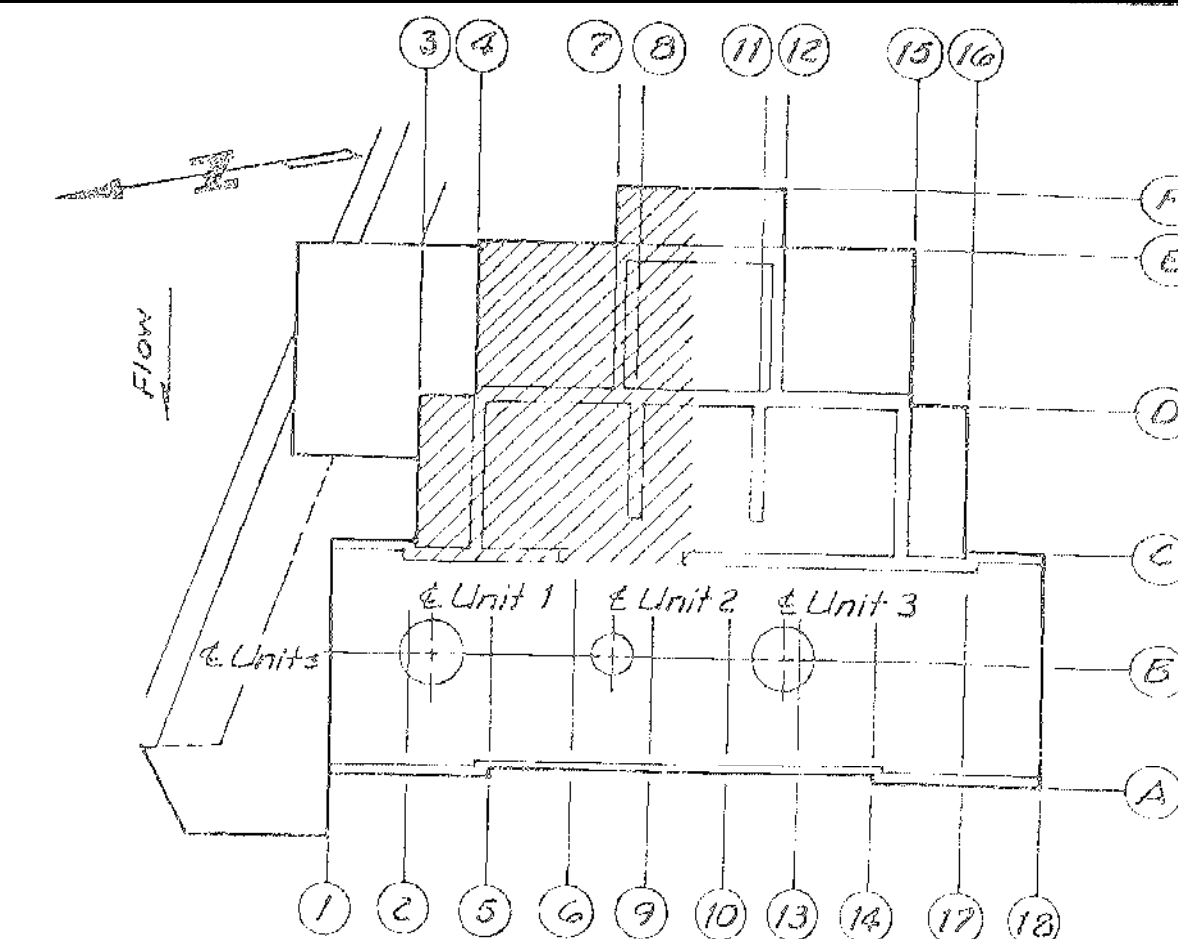


PARTIAL PLAN OF EL 2111.0

PLAN - EL 2096.0



SECTION I



KEY PLAN

GENERAL NOTES (ALL SHEETS)

1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)

2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.

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\$\$ - THINK VALUE ENGINEERING - \$\$

REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
OMAHA, NEBRASKA

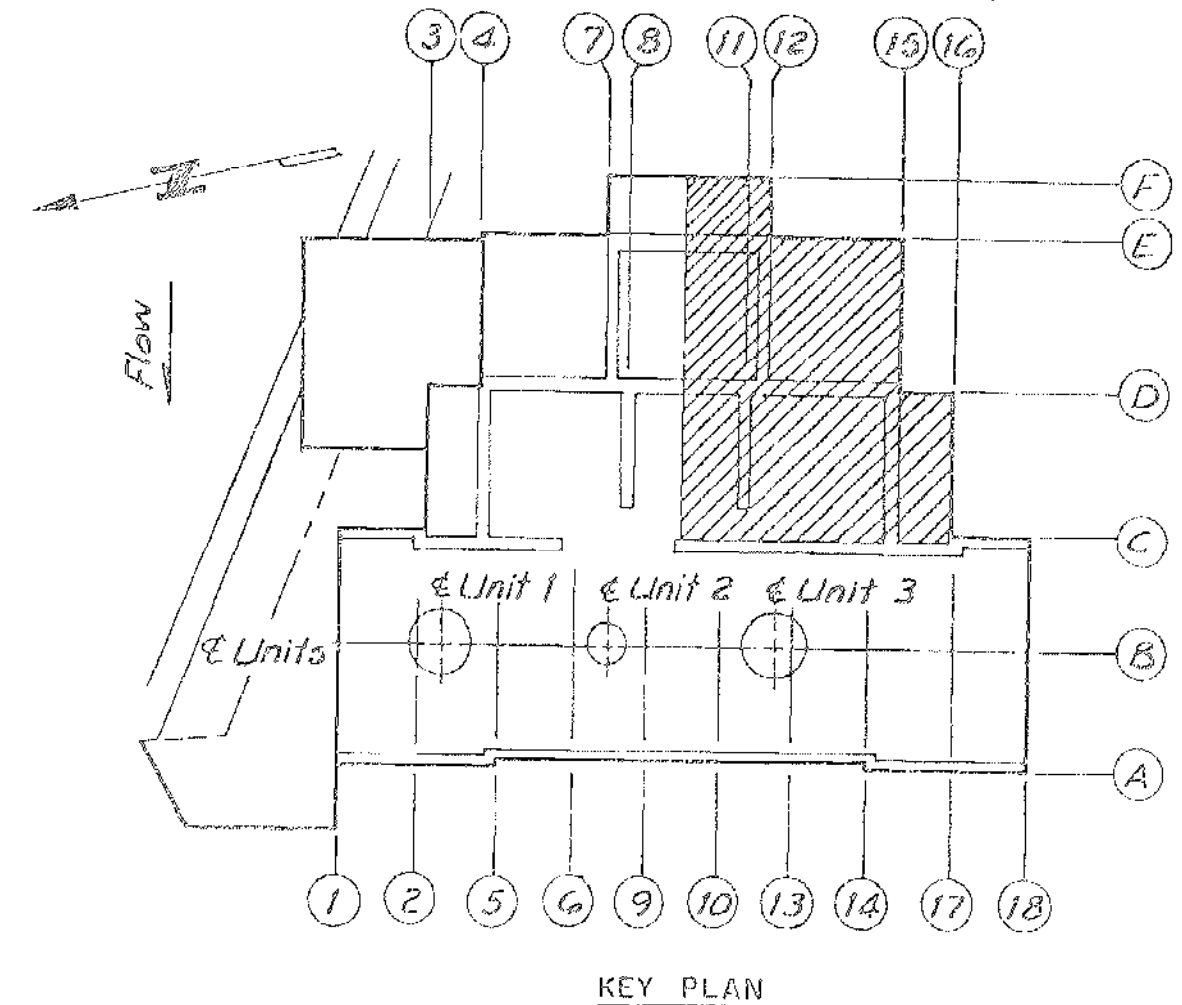
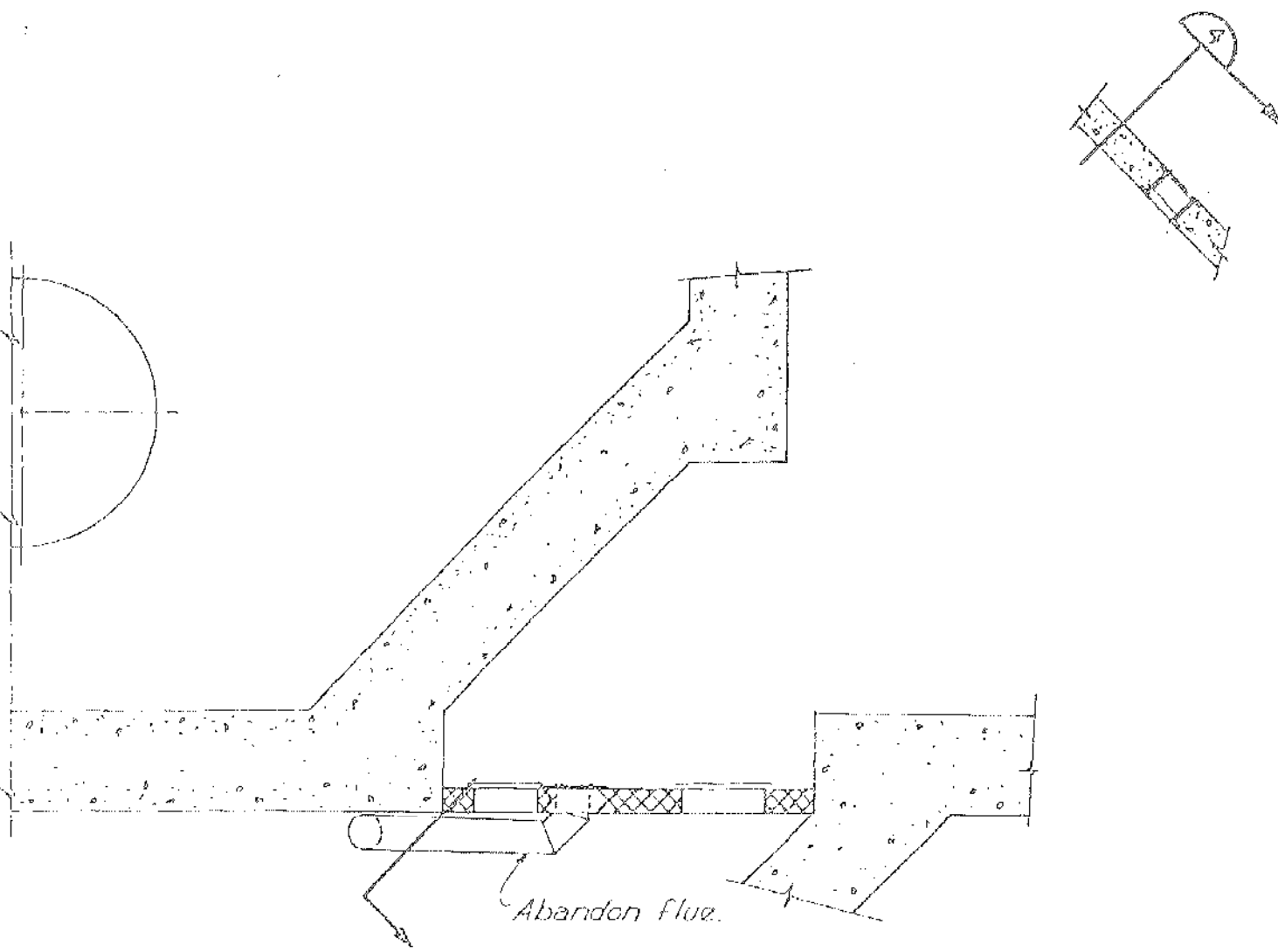
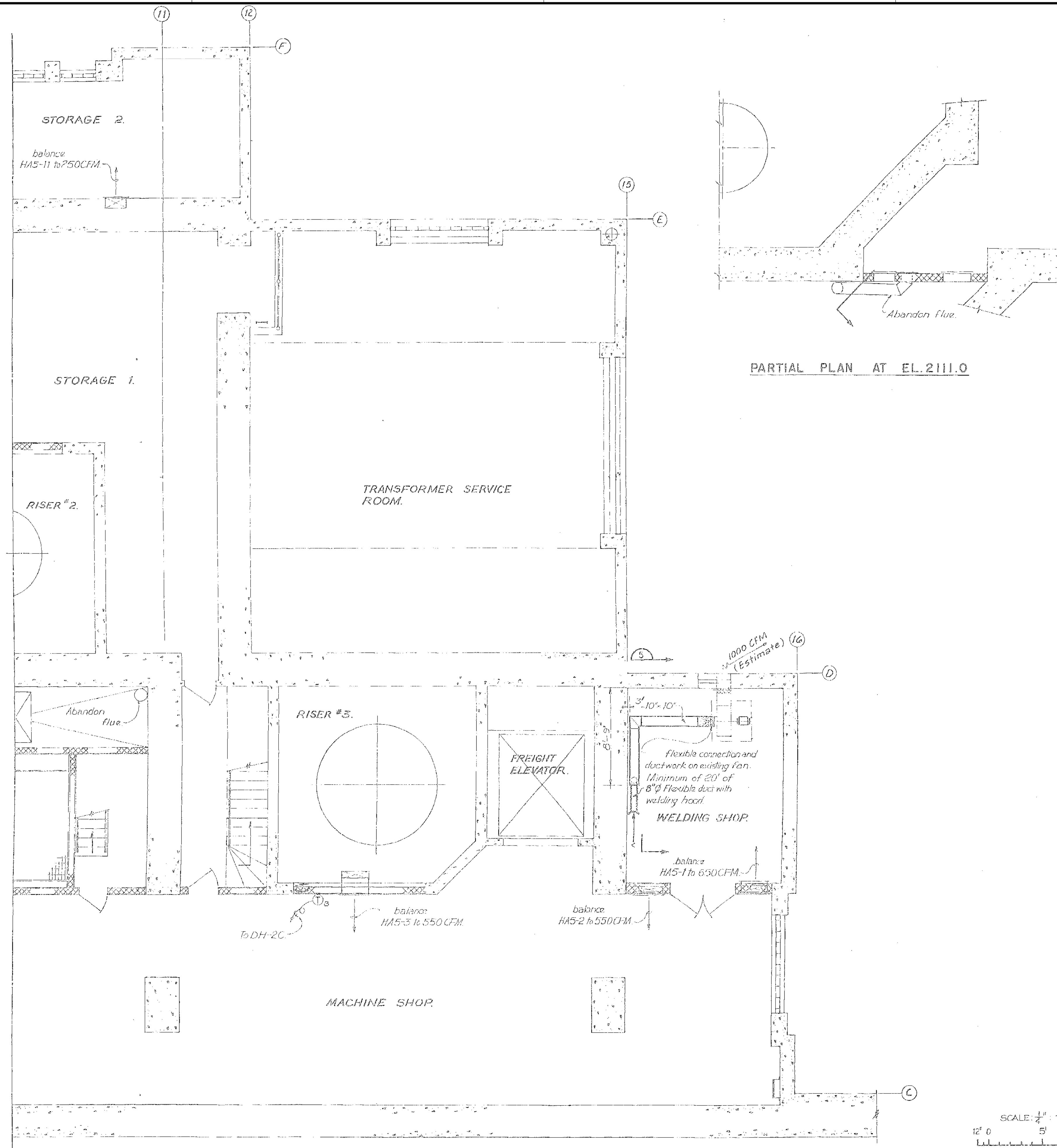
DESIGNED BY: G.D.R.	FORT PECK		MONTANA
	MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2		
HVAC			
POWER PLANT 1			
EL 2096.0 & 211.0 N CONTROL BAY			
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: 1 : 1		DATE: OCTOBER 2007
	DESIGN FILE: FP38-M1-108		SHEET REFERENCE NUMBER:
CHIEF: MECH SECTION	SOLICITATION NO.: W9128F-OX-X-00XX		DRAWING CODE: MGR297-082
	CONTRACT NO.: W9128F-OX-C-00XX		
		M1-108	

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

12' 0" 5' 10'



THIS PLAN ACCOMPANIES CONTRACT No.  
MODIFICATION No.



- GENERAL NOTES (ALL SHEETS)
1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.

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REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: MICHAEL SMITH	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 GENERATOR BAY		MONTANA
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: DESIGN FILE: FP38-M1-109 SOLICITATION NO.: W9128F-OX-X-00XX CONTRACT NO.: W9128F-OX-C-00XX	DATE: OCTOBER 2007	SHEET REFERENCE NUMBER: M1-109
CHIEF: MECH SECTION	DRAWING CODE: MGR297-082		

SCALE: 1/4" = 1'-0"  
12' 0" 5' 10'



THIS PLAN ACCOMPANIES CONTRACT No. MODIFICATION No.

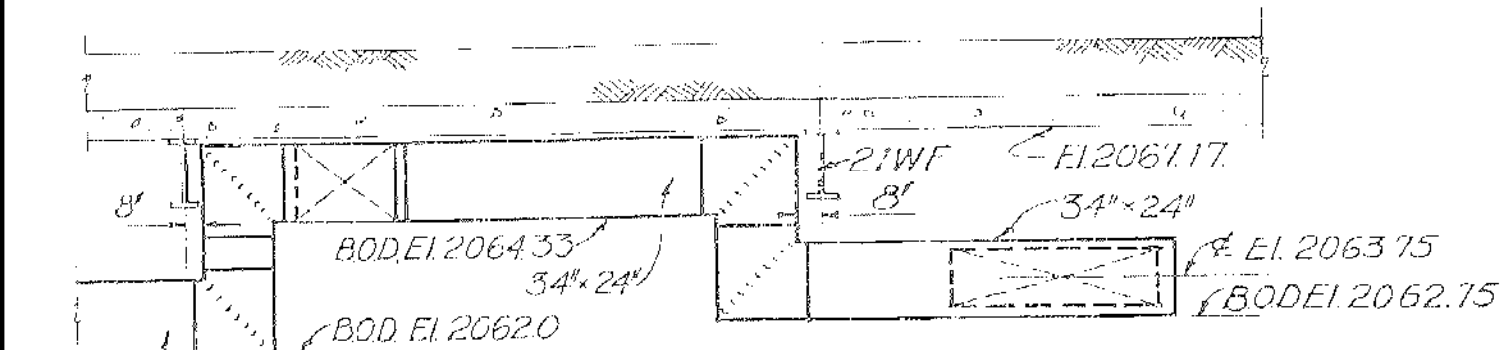


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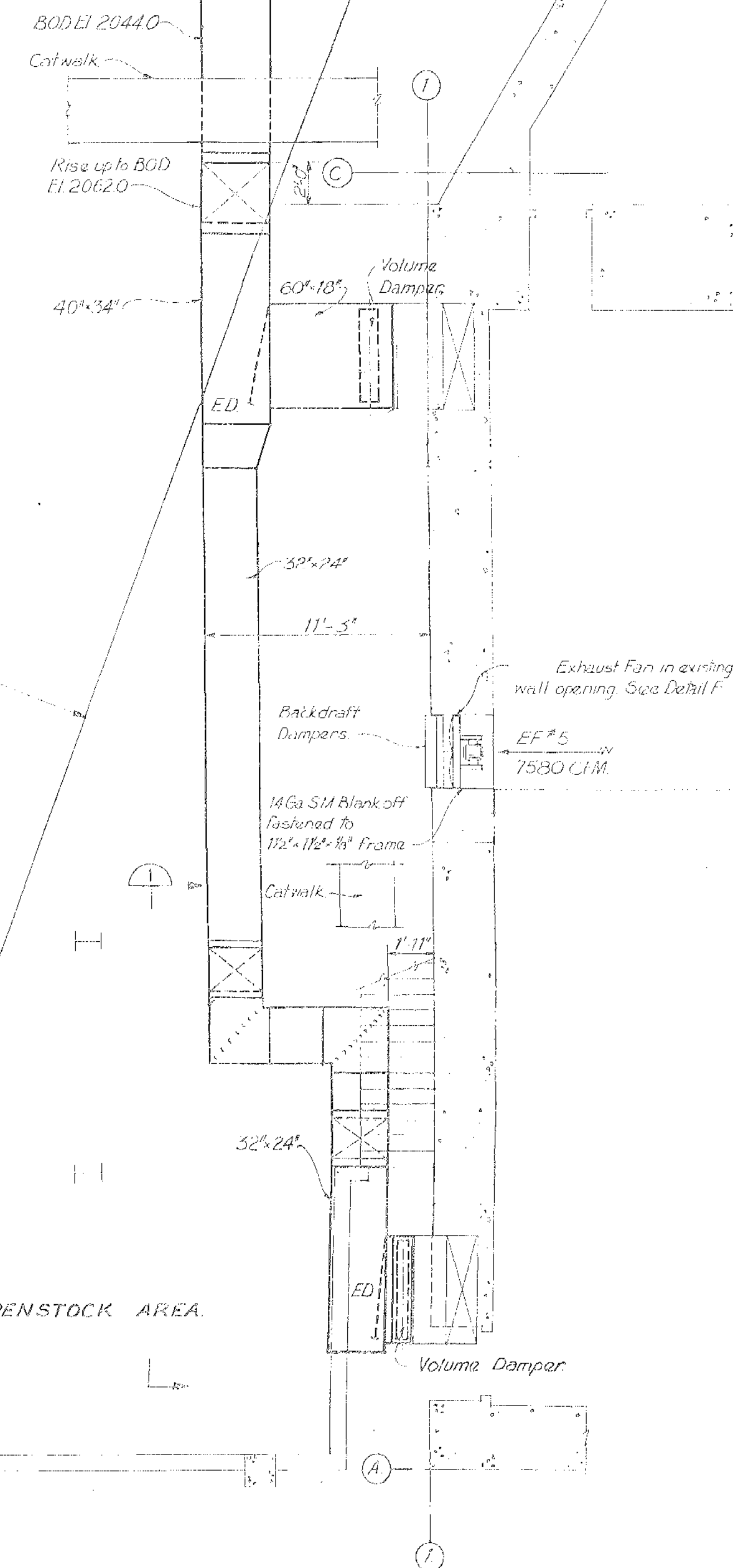
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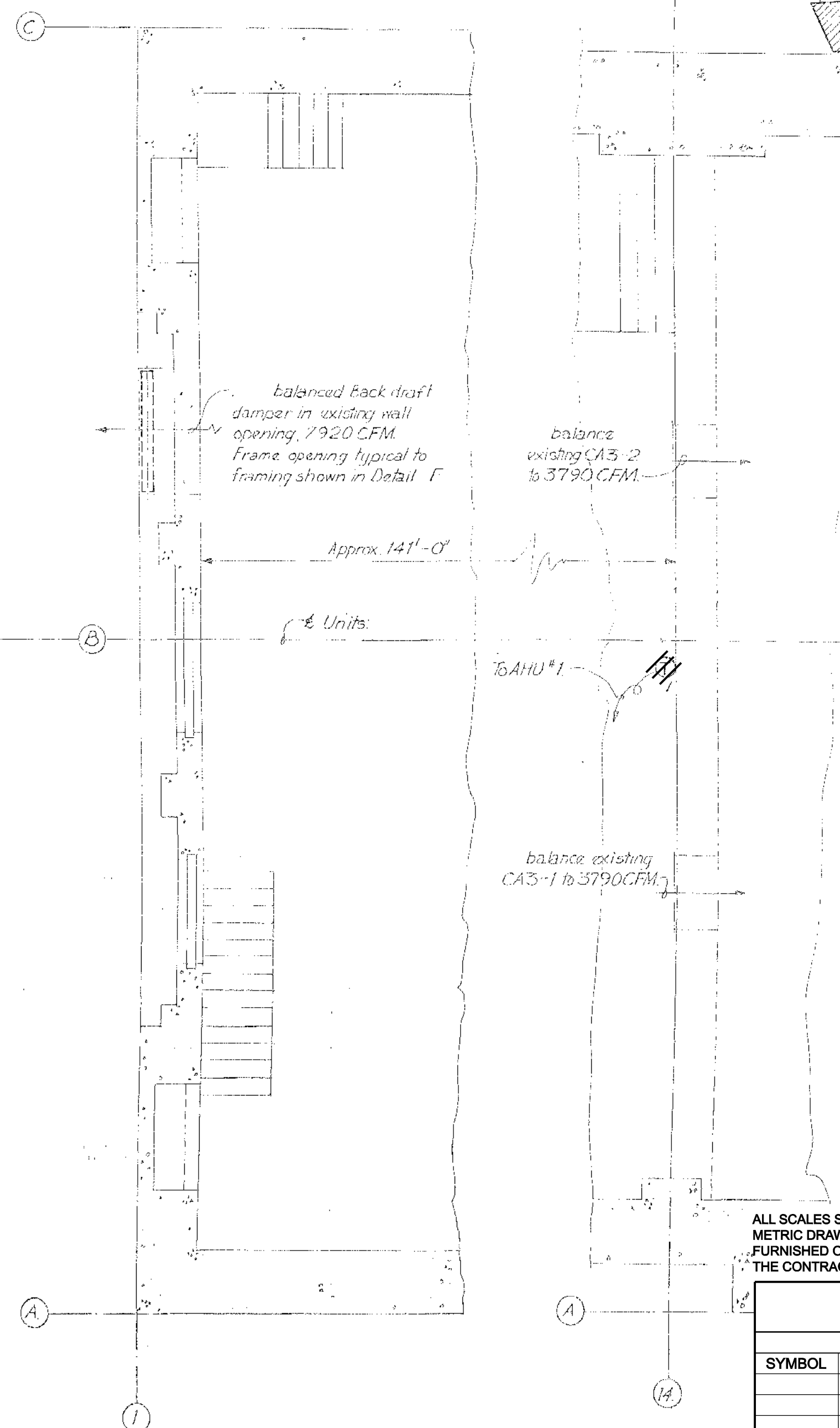


SECTION 1

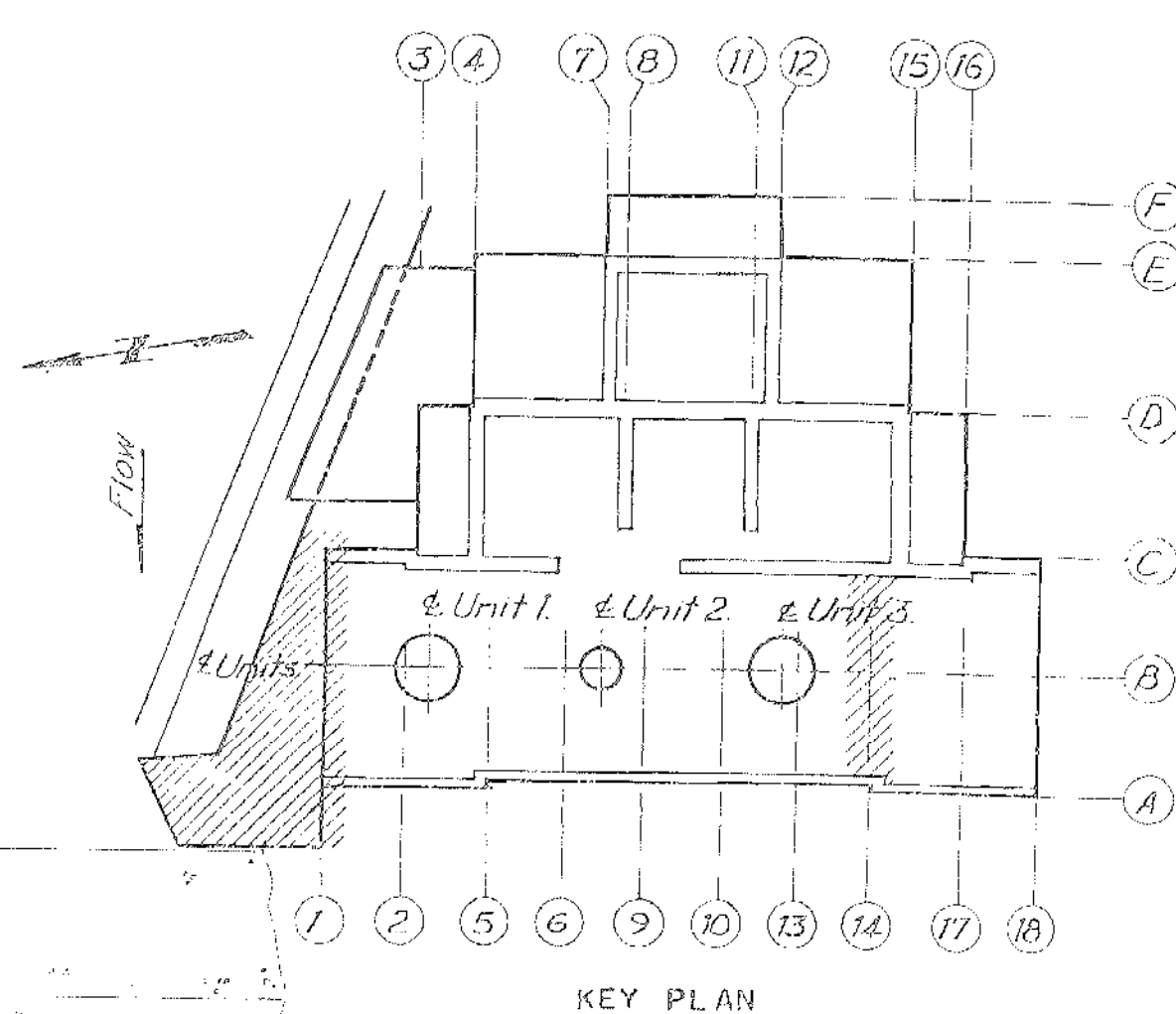
Match Line



PARTIAL PLAN OF EL.2051.5



PARTIAL PLAN OF EL.2026.5



- GENERAL NOTES (ALL SHEETS)
1. CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  2. TESTING, ADJUSTING & BALANCING (TAB) SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2 IN ACCORDANCE WITH SPECIFICATION SECTION 15990.

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\$\$ - THINK VALUE ENGINEERING - \$\$

REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
OMAHA, NEBRASKA

DESIGNED BY:  
G.D.R.

FORT PECK  
MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2  
MONTANA

HVAC  
POWER PLANT 1  
GENERATOR BAY

SUBMITTED BY:  
MICHAEL SMITH

PLOT SCALE RATIO: 1:1  
DESIGN FILE: FP38-M1-110  
SOLICITATION NO.: W9128F-OX-X-00XX  
CONTRACT NO.: W9128F-OX-C-00XX

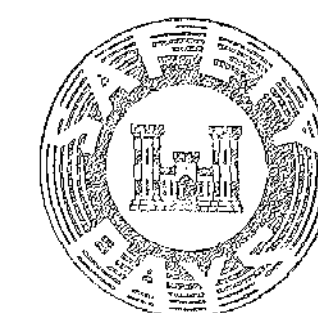
DRAWING CODE:  
MGR297-082

SHEET  
REFERENCE  
NUMBER:  
M1-110

CHIEF: MECH SECTION

SCALE: 1/4" = 1'-0"  
12' 0' 5' 10'

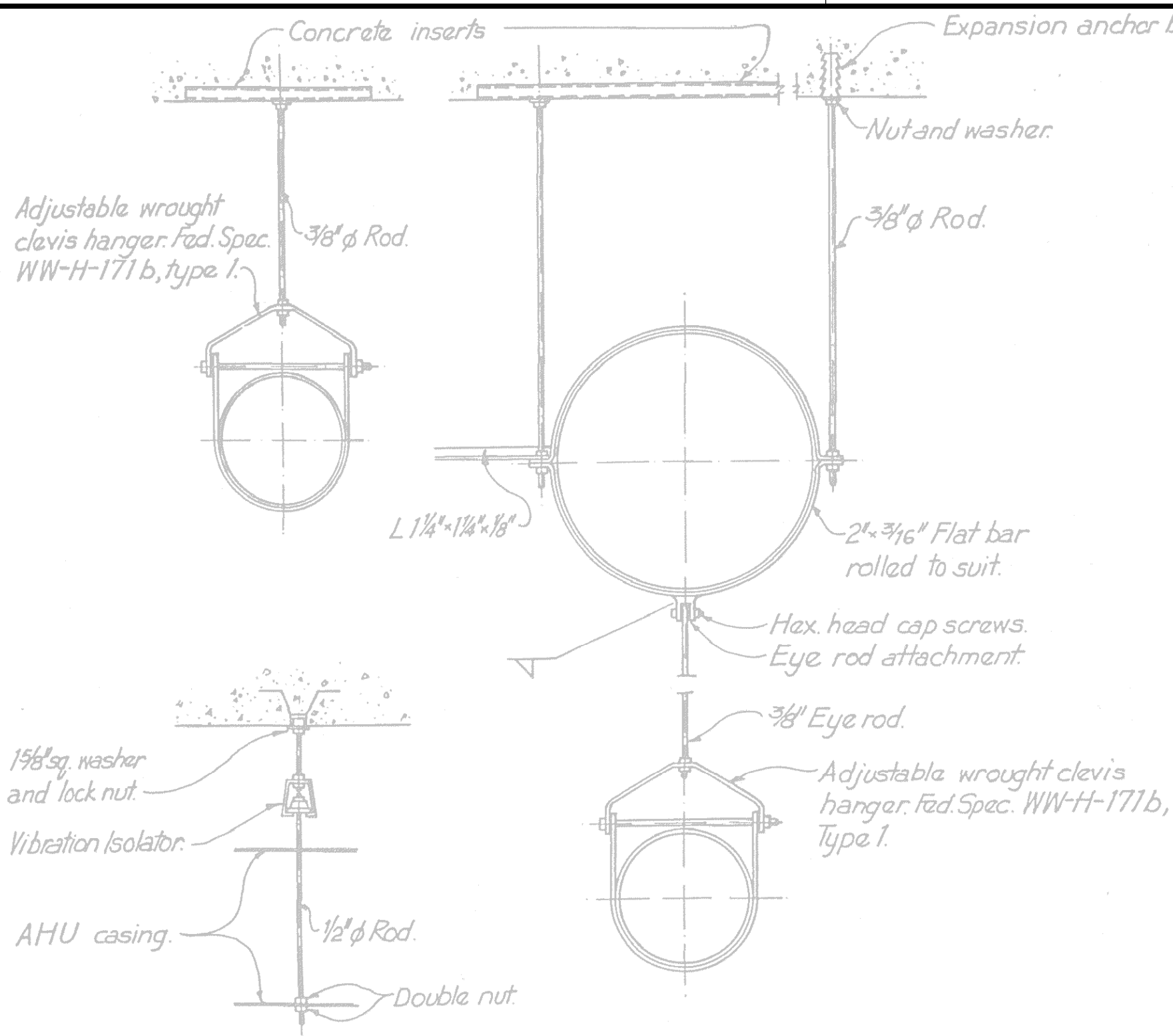
THIS PLAN ACCOMPANIES CONTRACT NO.  
MODIFICATION NO.



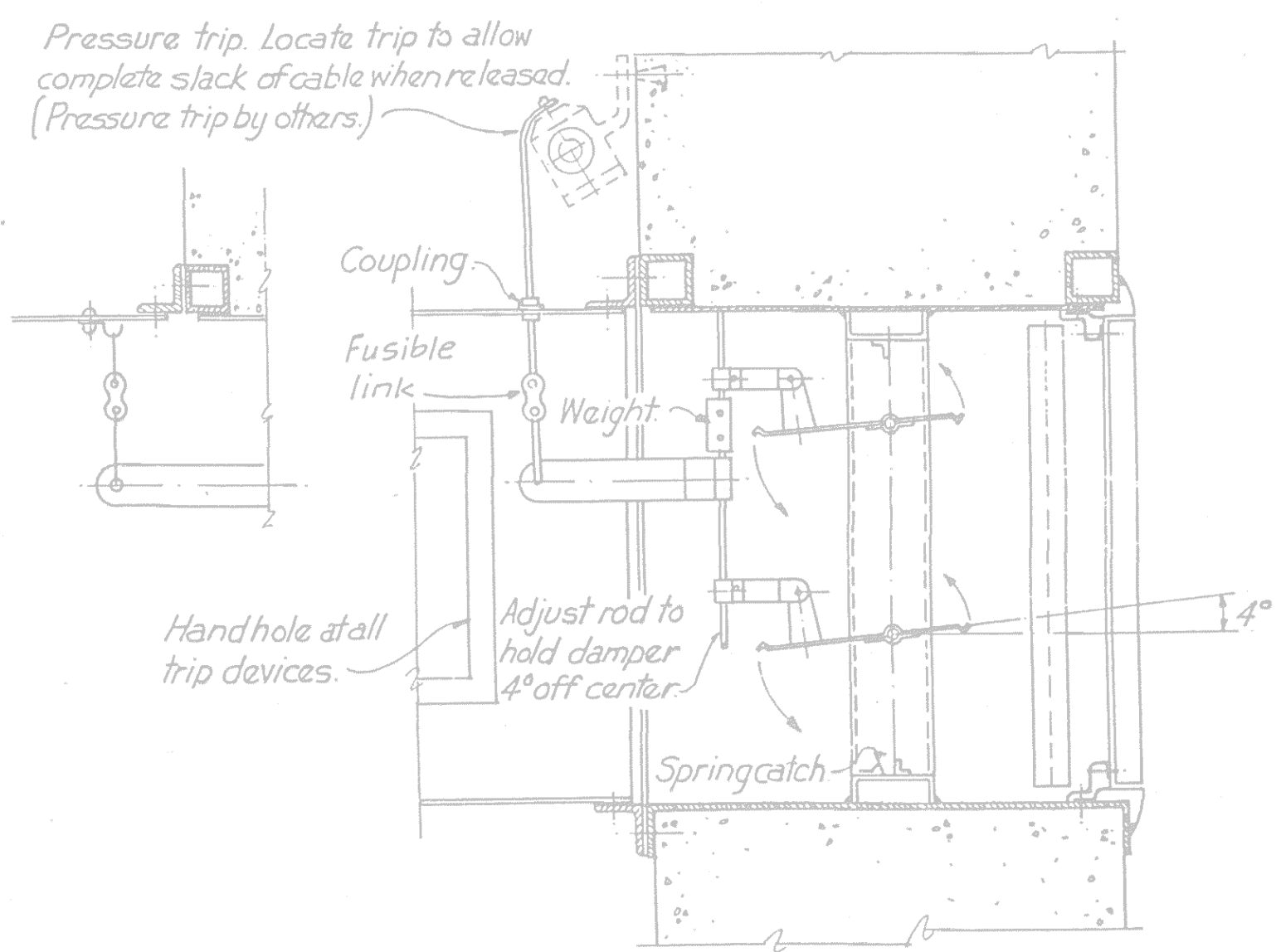




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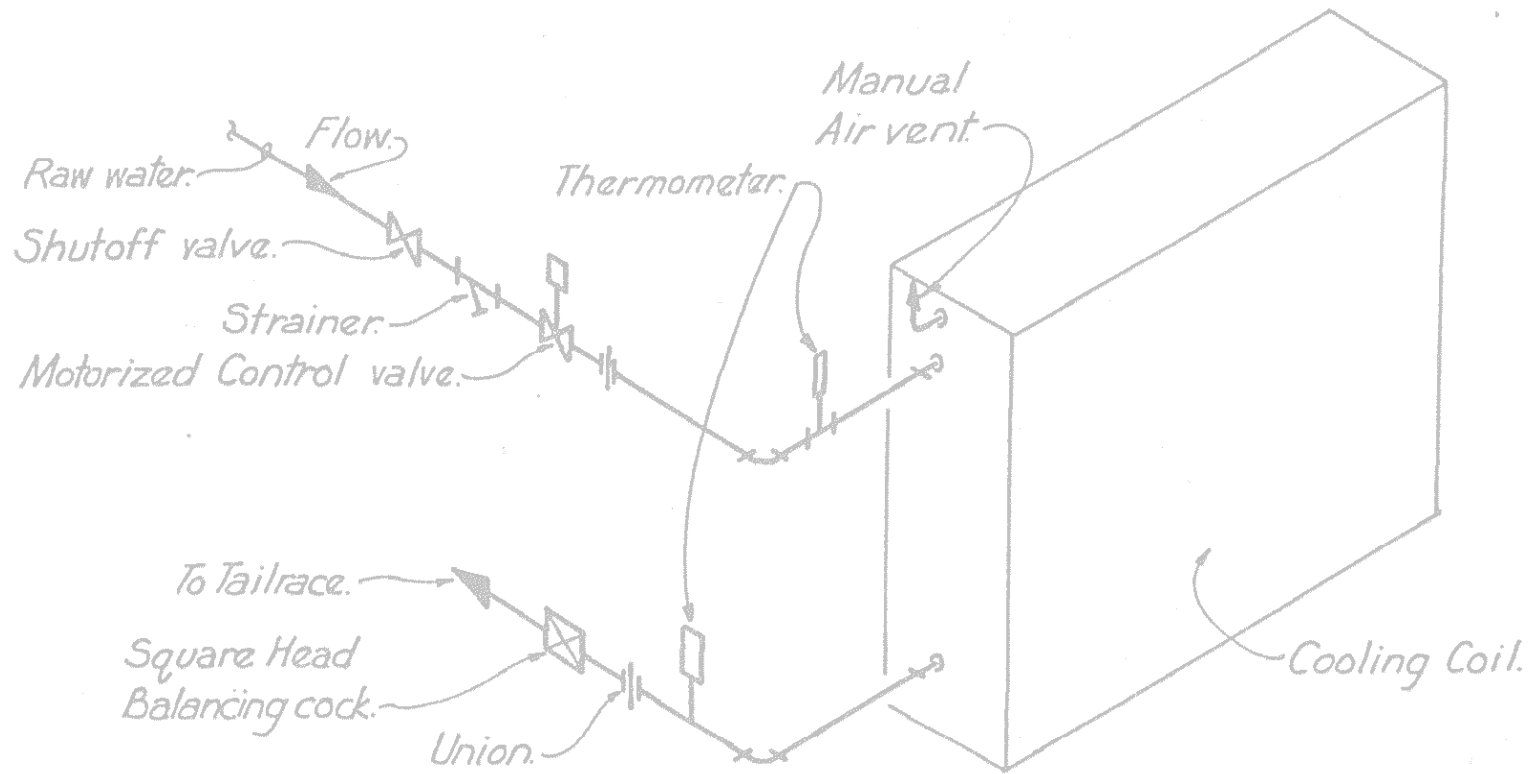


C



DETAIL E  
FIRE DAMPER

B

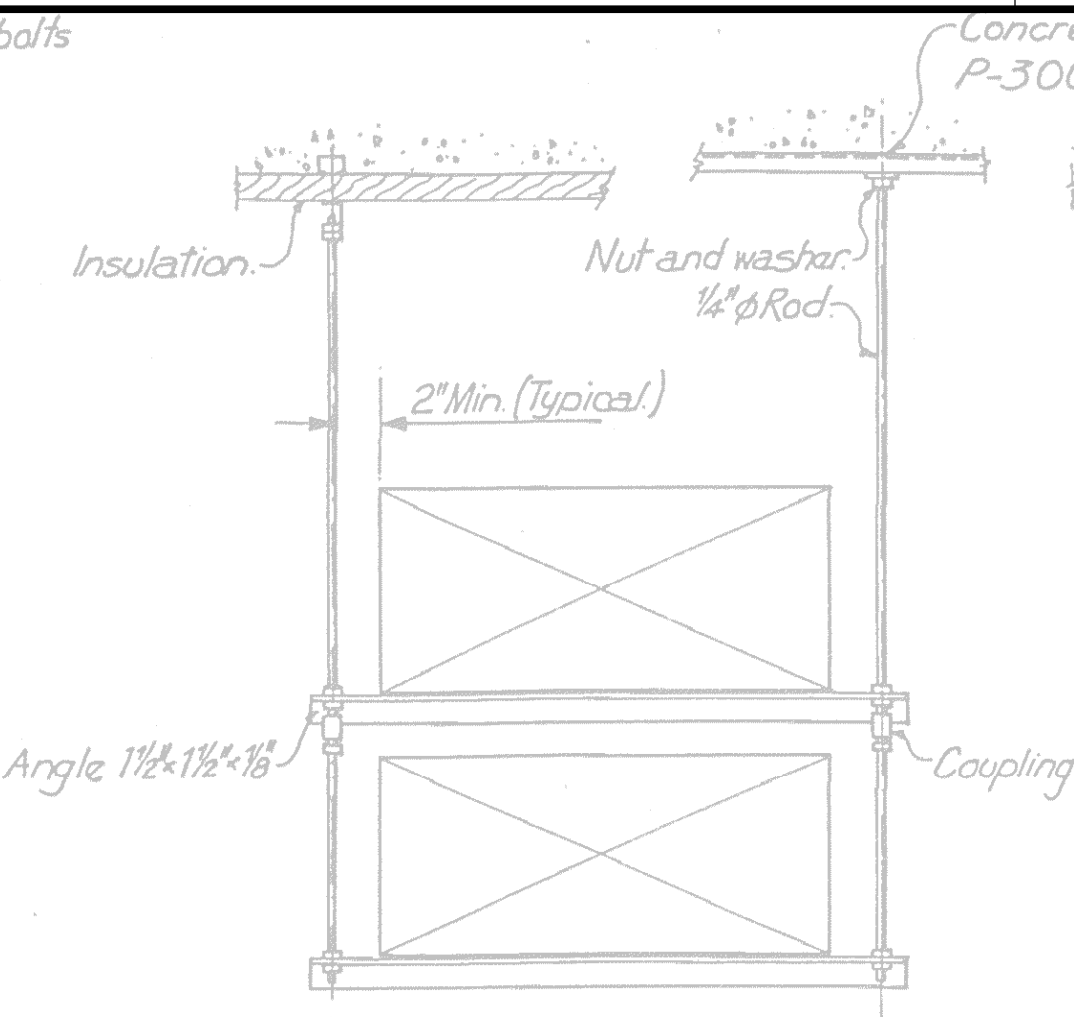


DETAIL L  
COOLING COIL PIPING DIAGRAM

A

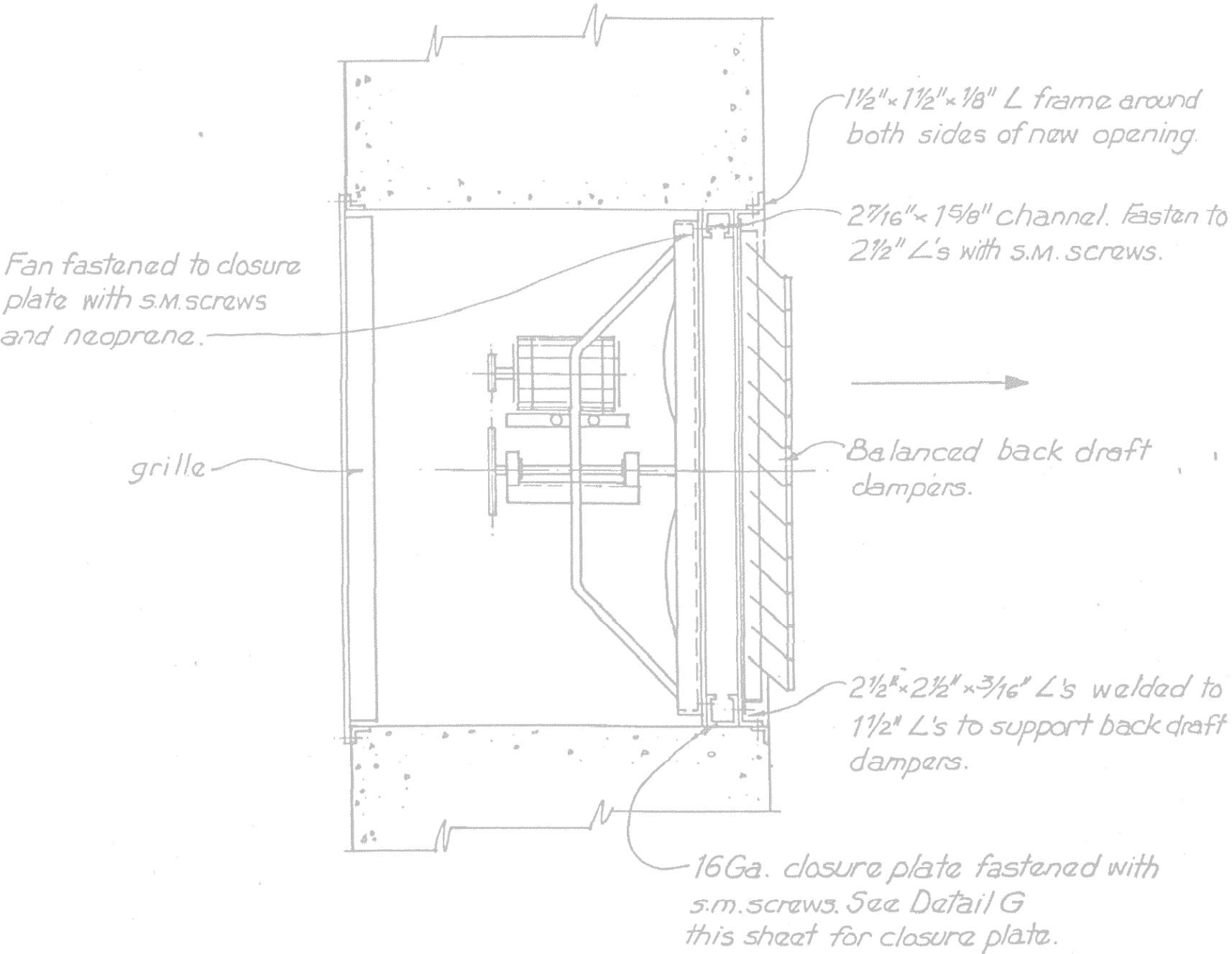
USE DETAIL FOR (2) 2-1/2" VERTICAL RAW WATER COOLING COILS (CC-1) & (CC-2), & 2" HORIZONTAL RAW WATER COOLING COIL FOR CRAC-1 CONNECT TO CAPPED BY PIPING BY OTHERS SHOWN ON OTHER SHEETS M1-102, M1-103, M1-104, M1-106, M1-M111.

4



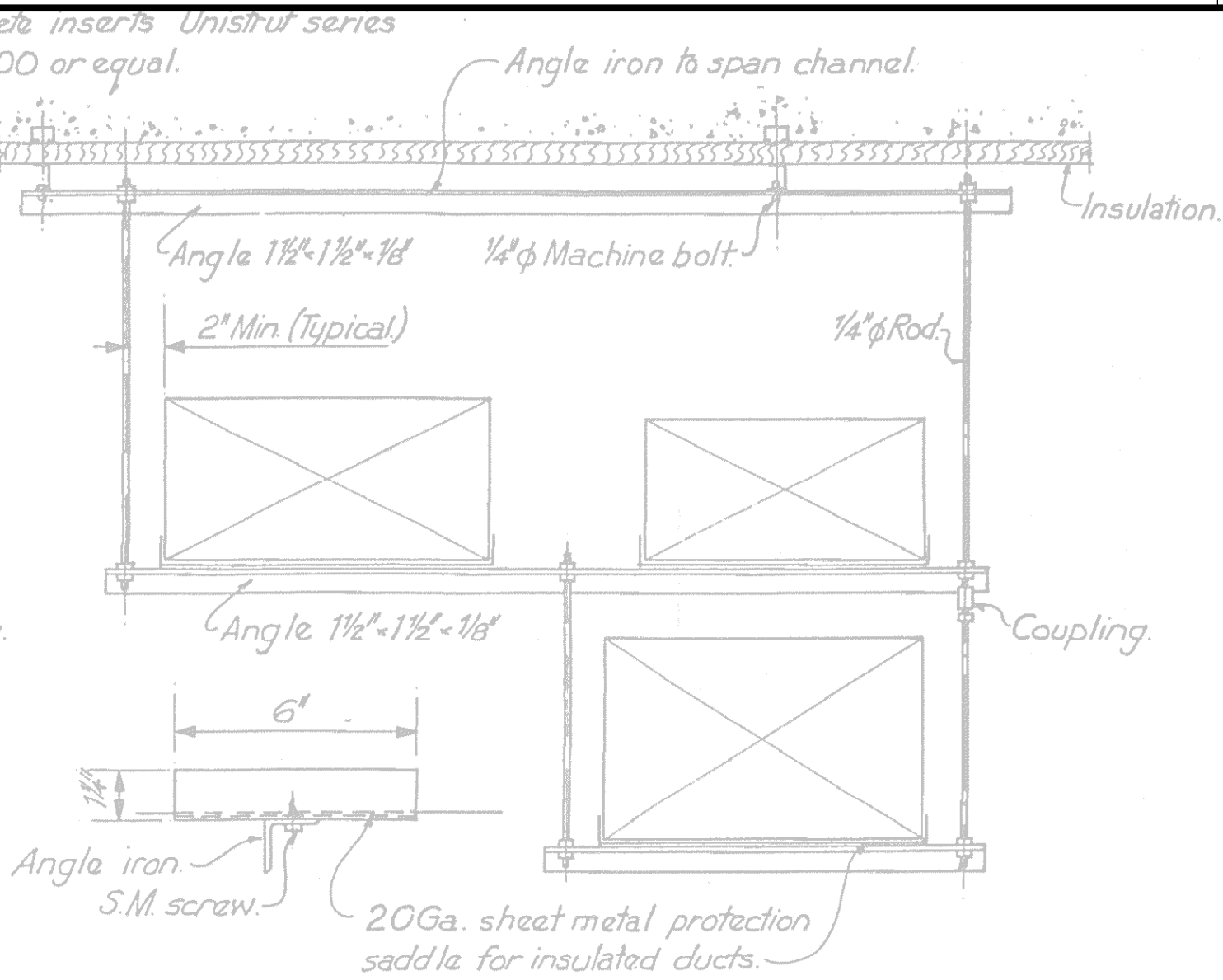
Note: Hangers typical for insulated and uninsulated ducts.

DETAIL A  
TYPICAL DUCT HANGERS

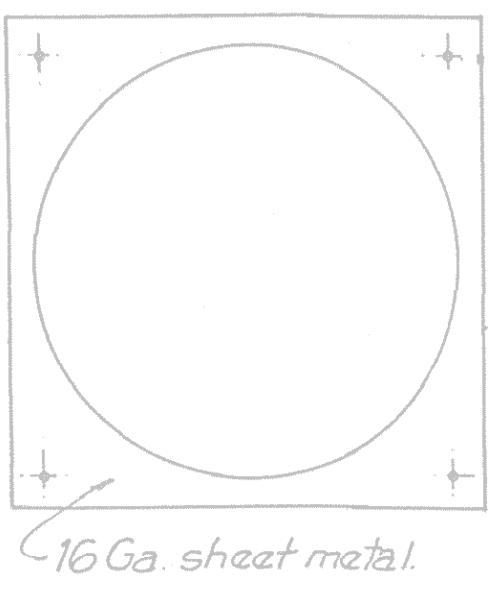


DETAIL F  
THRU THE WALL FAN MOUNTING DETAIL

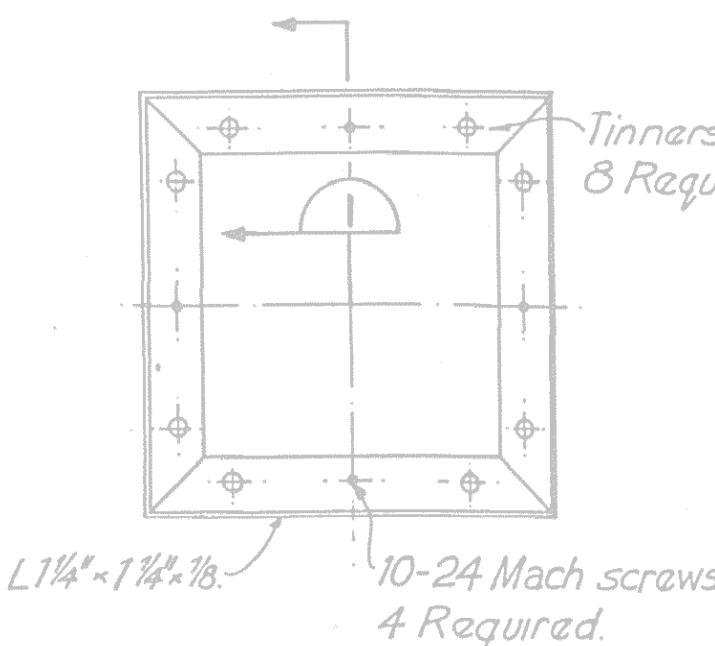
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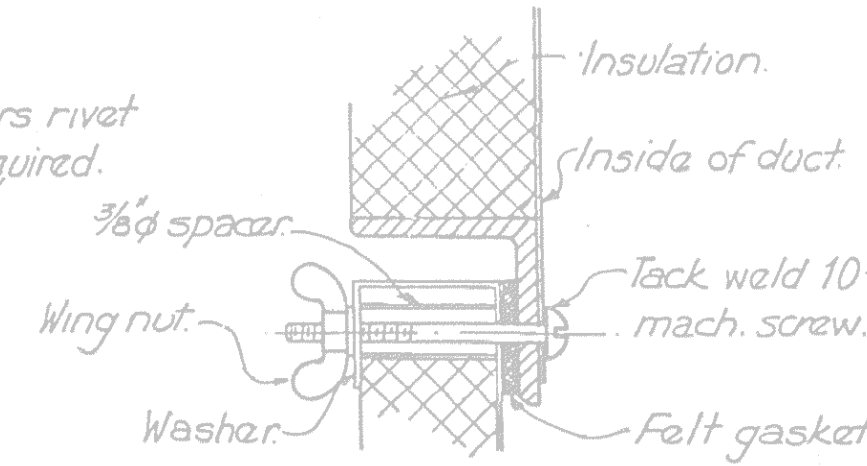
DETAIL B  
TYPICAL FAN MOUNTING DETAIL



DETAIL G  
CLOSURE PLATE

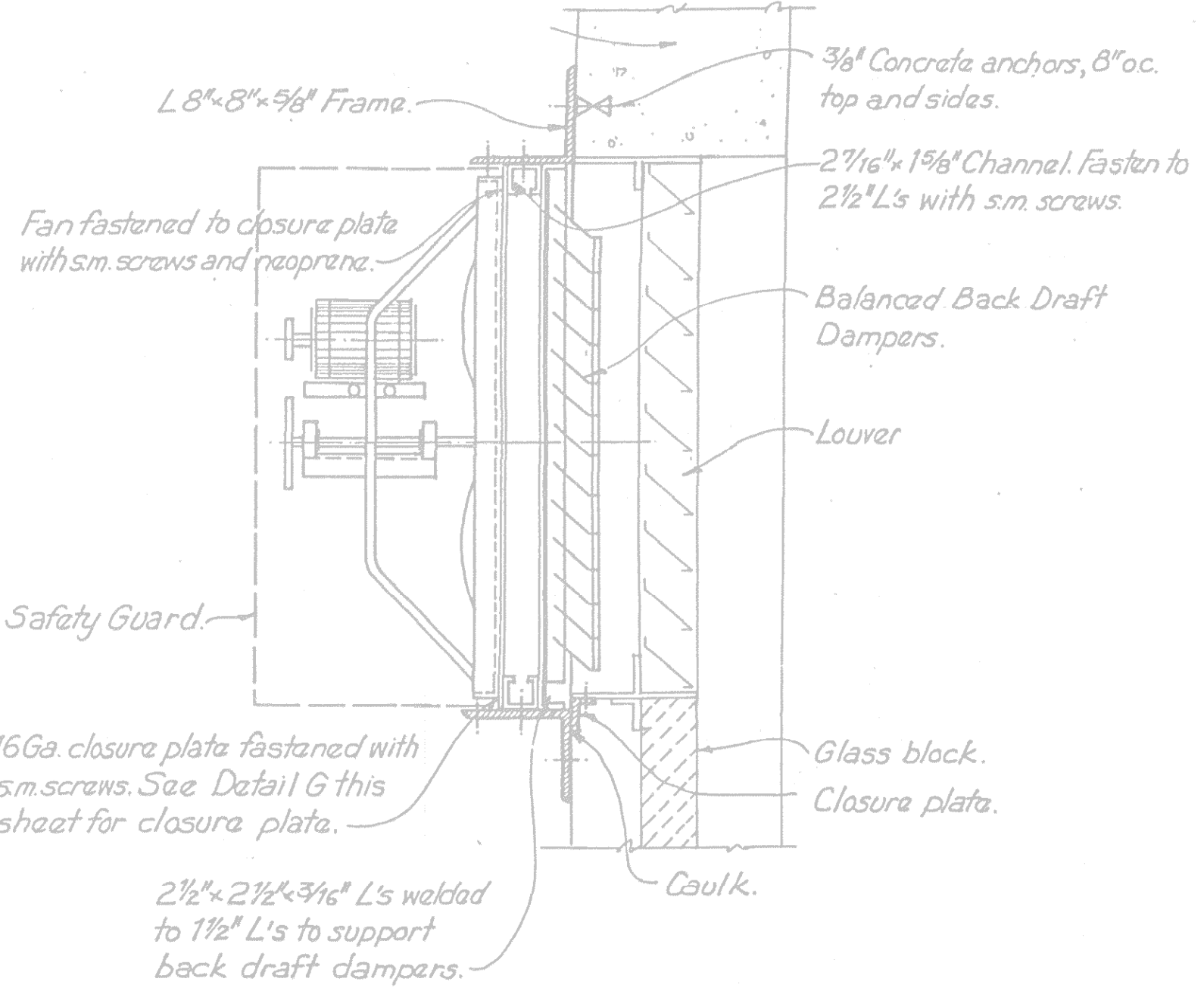


ELEVATION



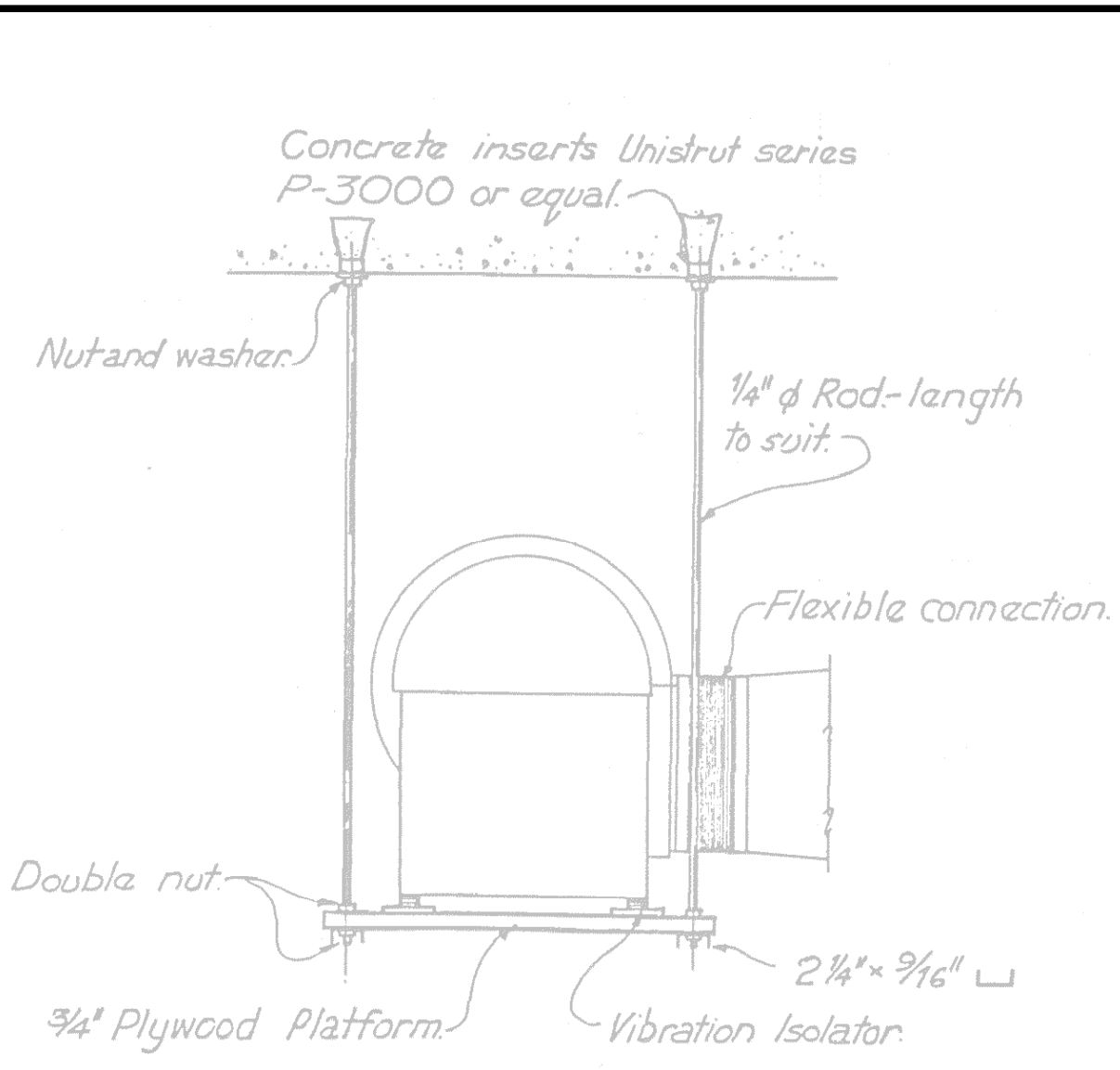
SECTION I

DETAIL K  
ACCESS DOOR

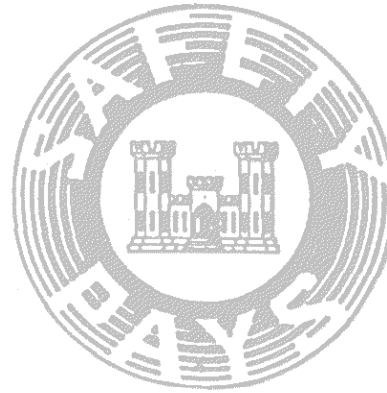


DETAIL N  
EF # 4

2

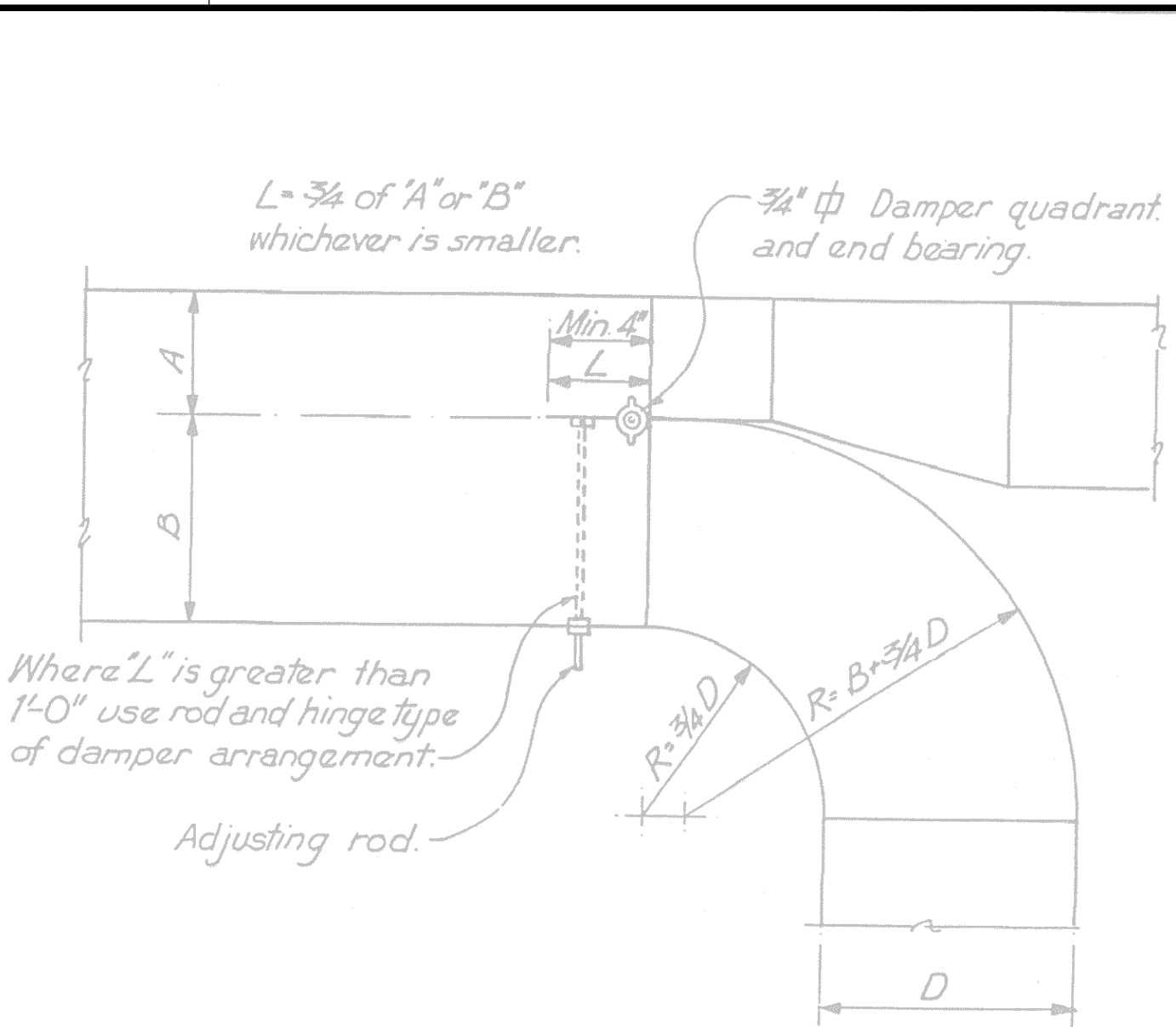


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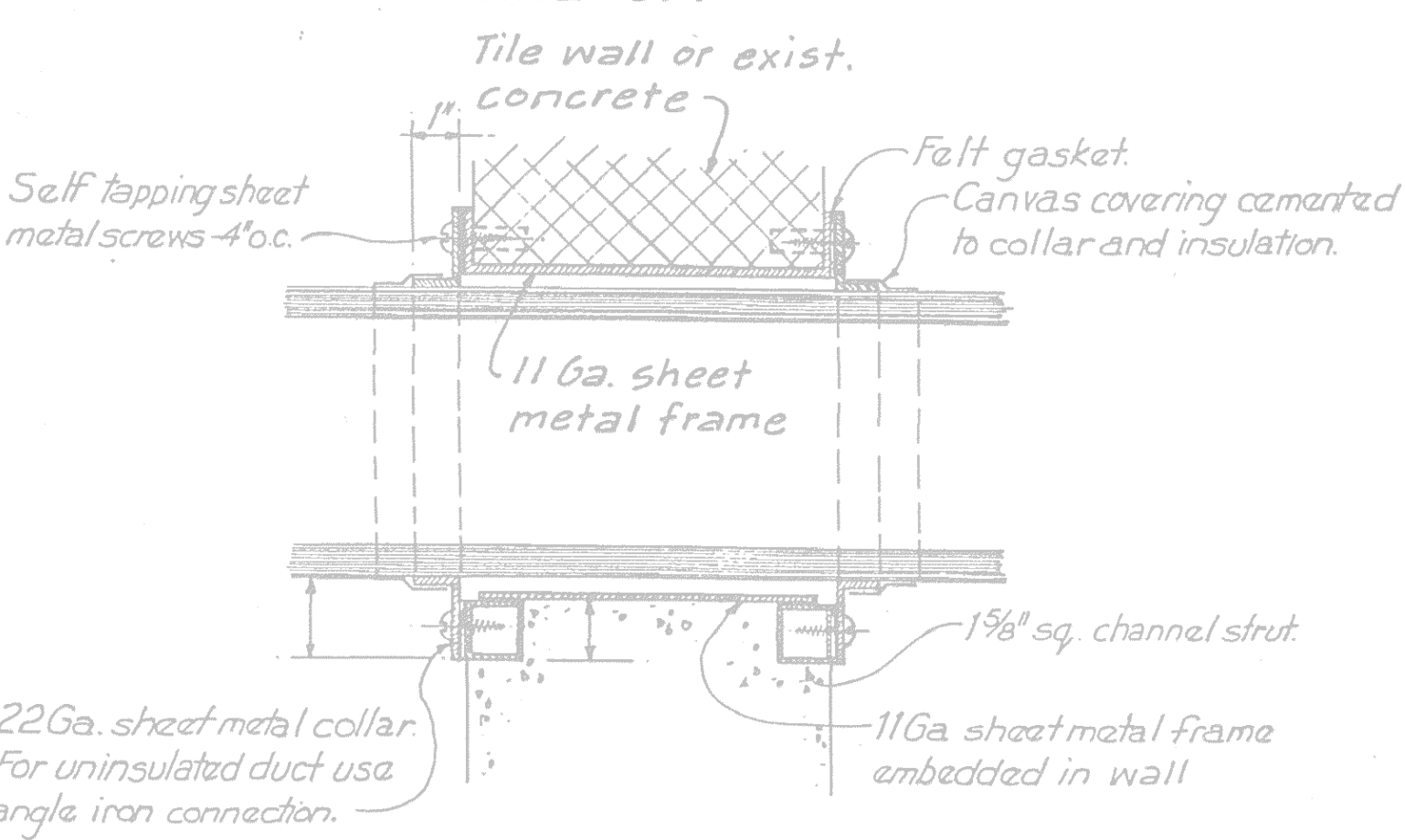


THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.

1



DETAIL C  
BRANCH TAKE-OFF



DETAIL J  
DUCT THRU TILE OR CONCRETE WALL

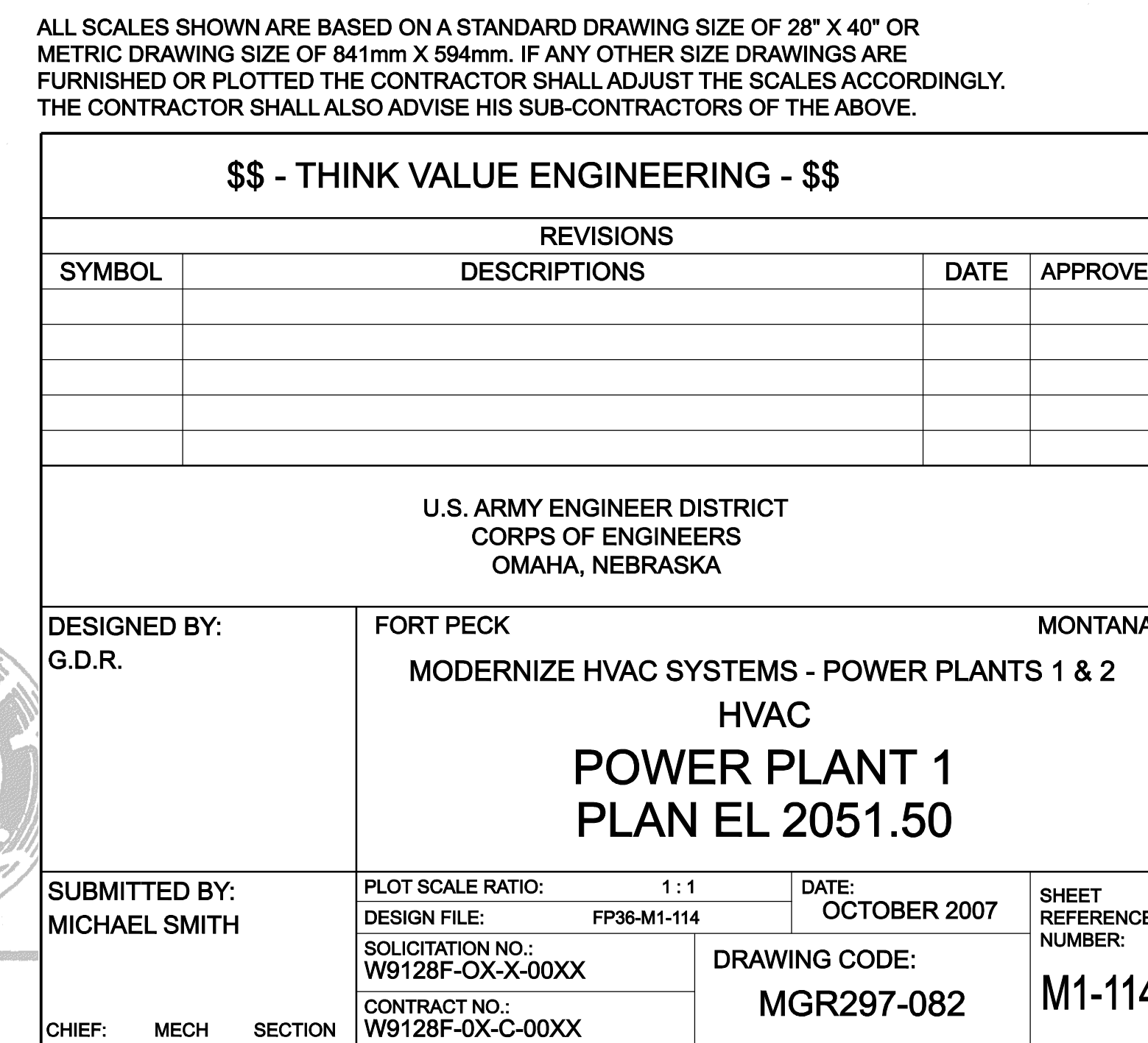
- GENERAL NOTES (ALL SHEETS)
- CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  - TAB SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2

REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 SECTION & DETAILS	MONTANA	A
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: 1:1 DESIGN FILE: FP38-M1-112 SOLICITATION NO.: W9128F-OX-X-00XX CONTRACT NO.: W9128F-OX-C-00XX	DATE: OCTOBER 2007 DRAWING CODE: MGR297-082	SHEET REFERENCE NUMBER: M1-112
CHIEF: MECH	SECTION		











D

C

B

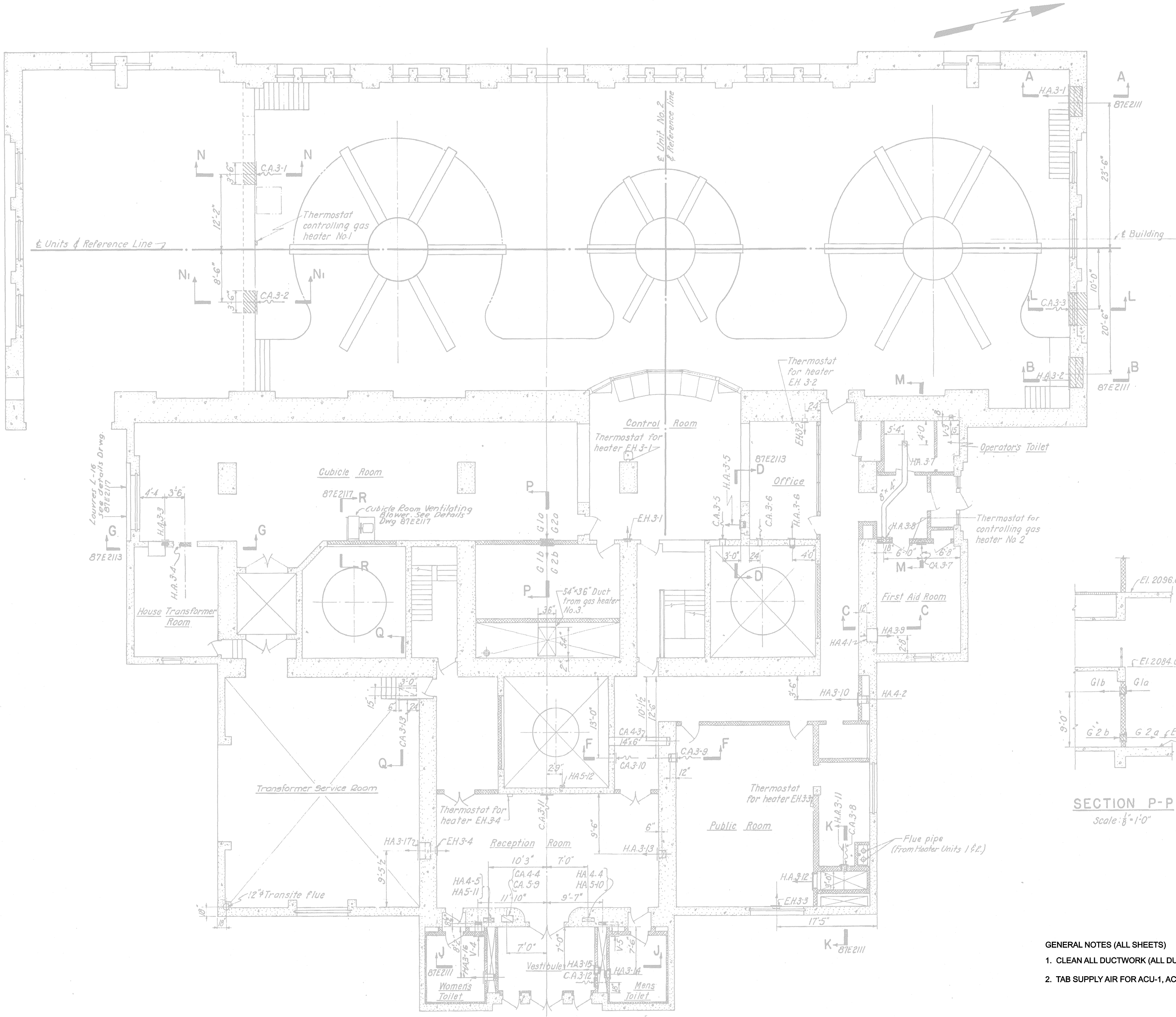
A

D

C

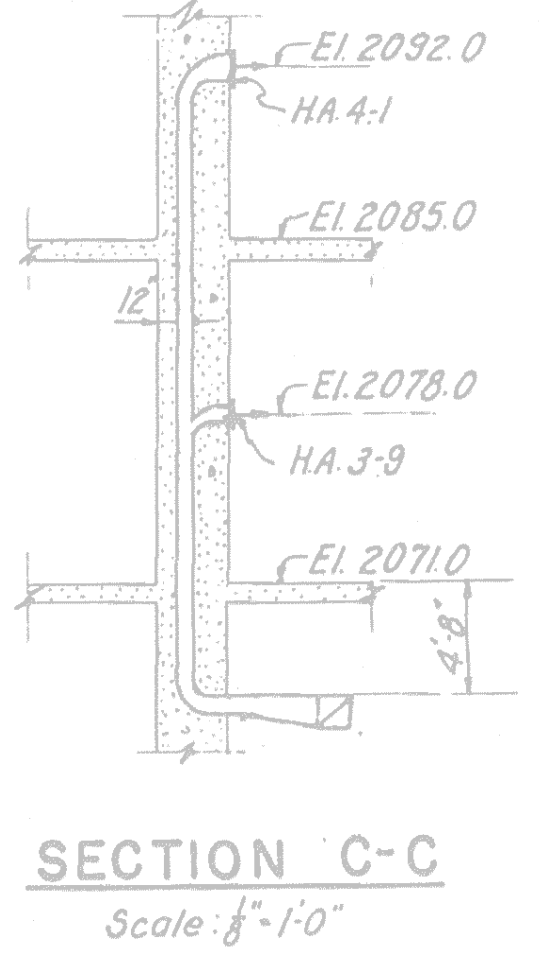
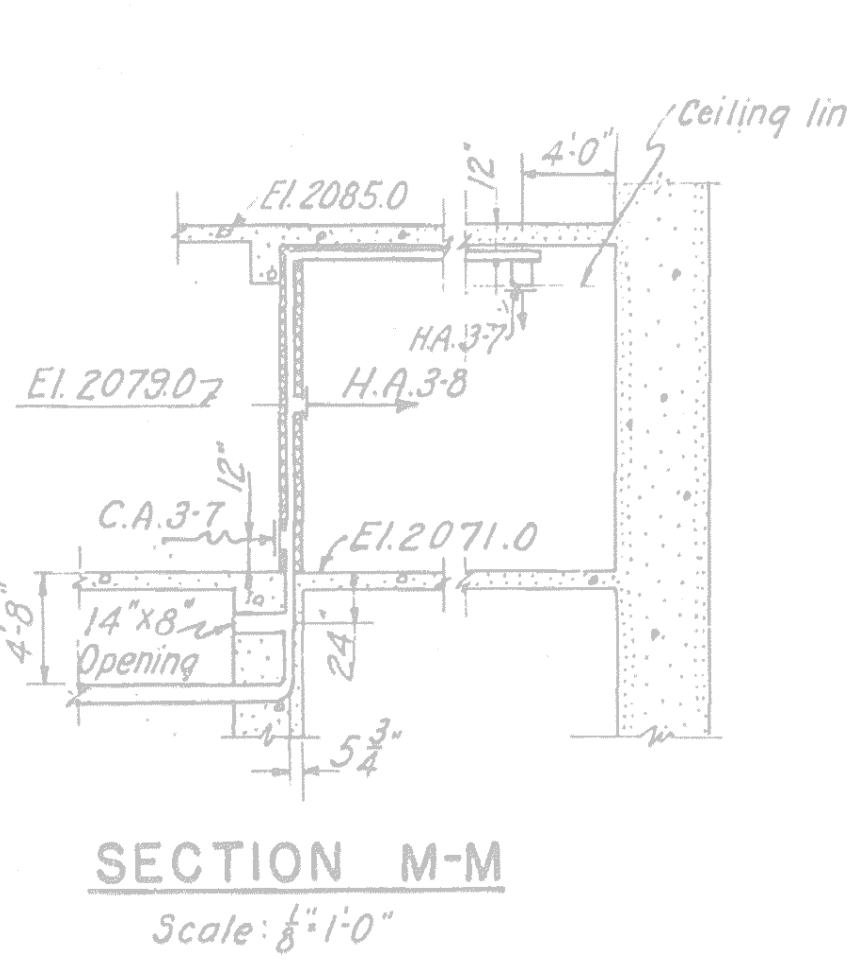
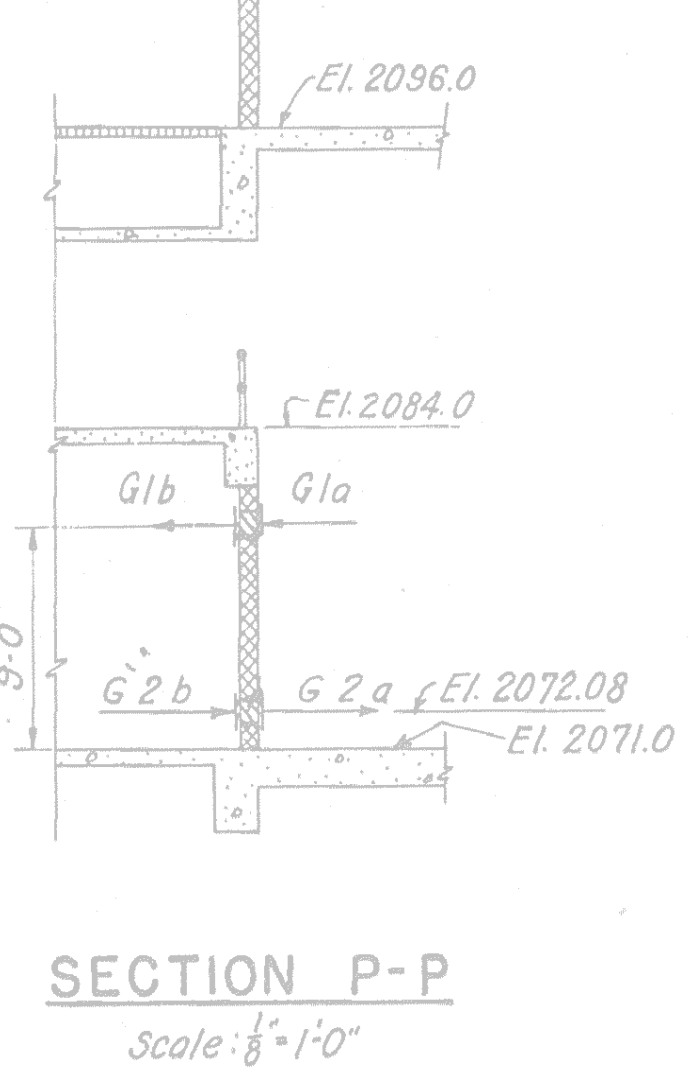
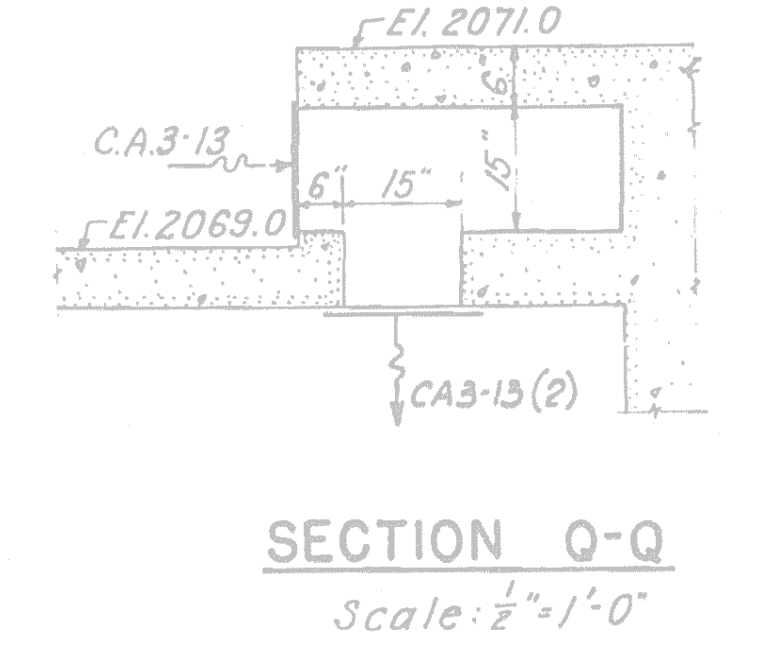
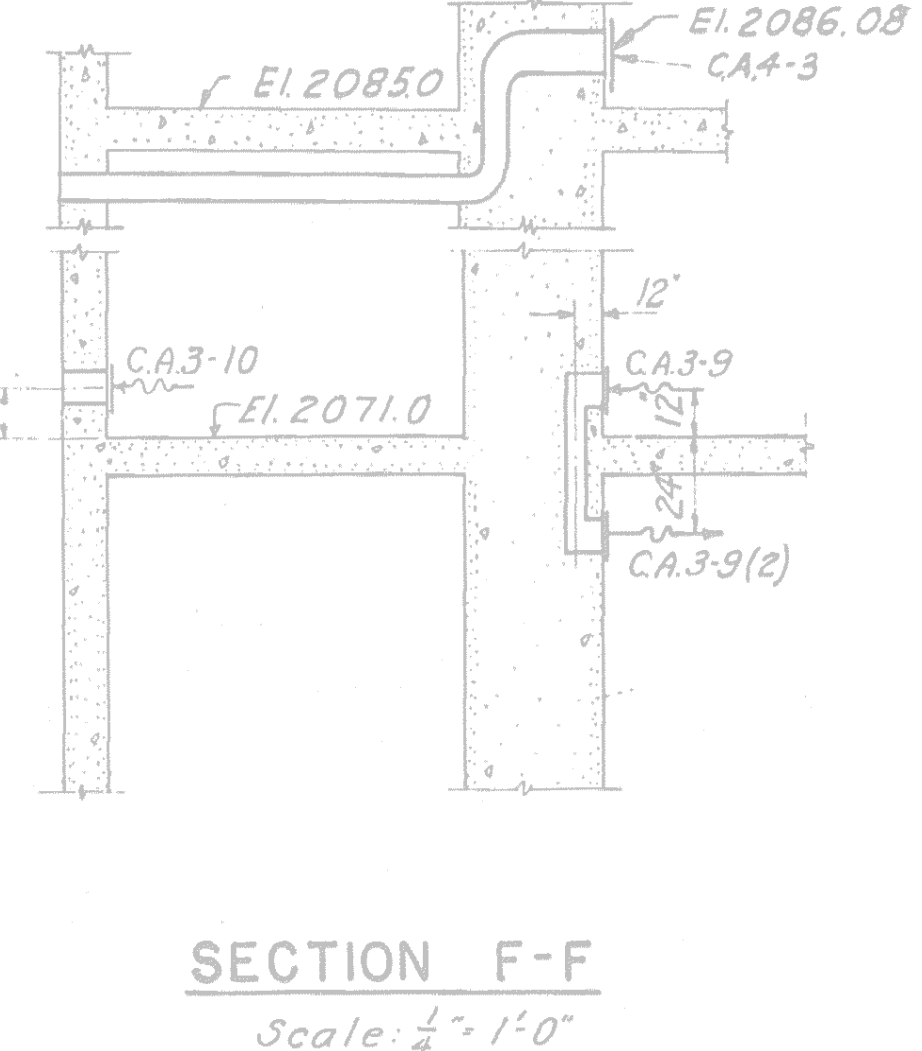
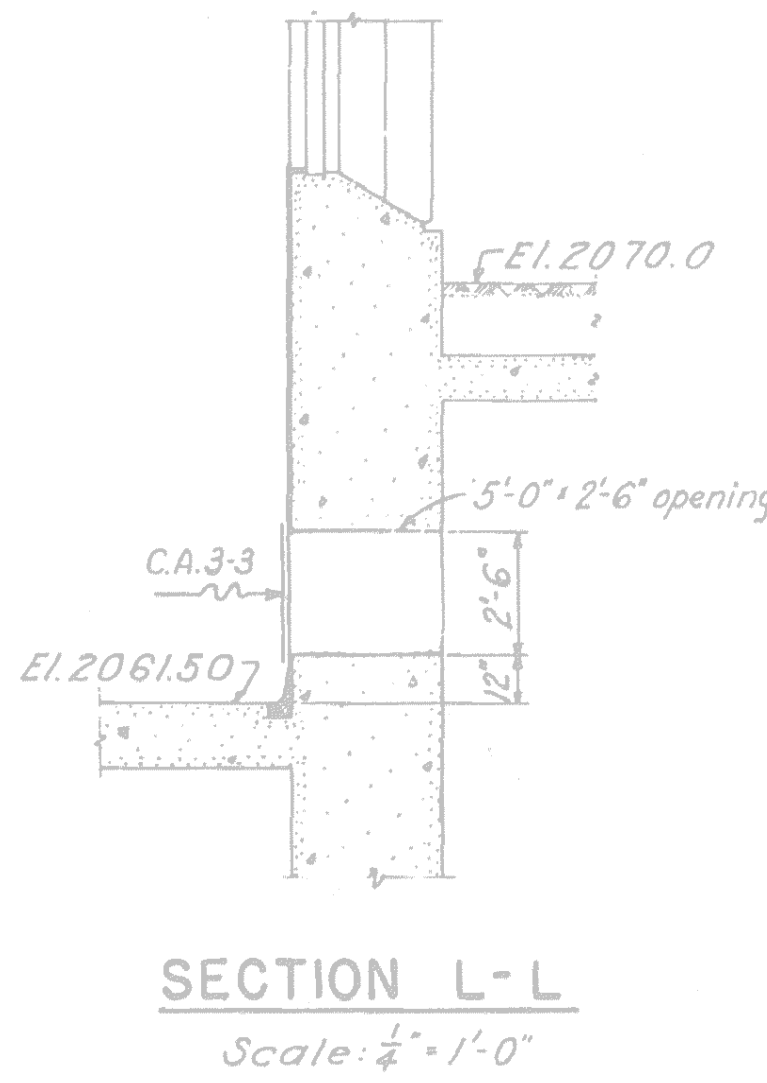
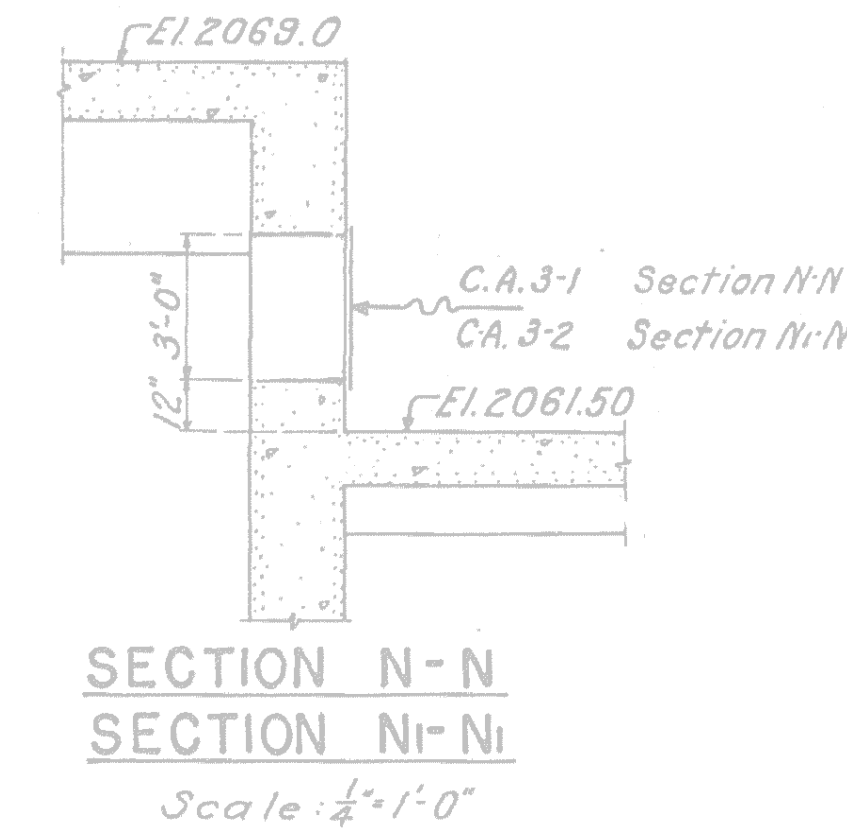
B

A



PLAN  
Scale: 1/8" = 1'-0"

- GENERAL NOTES (ALL SHEETS)
- CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  - TAB SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2



THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.

\$\$\$ - THINK VALUE ENGINEERING - \$\$\$			
REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 PLAN EL 2070.1		MONTANA
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: DESIGN FILE: SOLICITATION NO.: CONTRACT NO.:	1:1 FP38-M1-115 W9128F-OX-X-00XX W9128F-OX-C-00XX	DATE: OCTOBER 2007 DRAWING CODE: MGR297-082 SHEET REFERENCE NUMBER: M1-115
CHIEF:	MECH	SECTION	



D

C

B

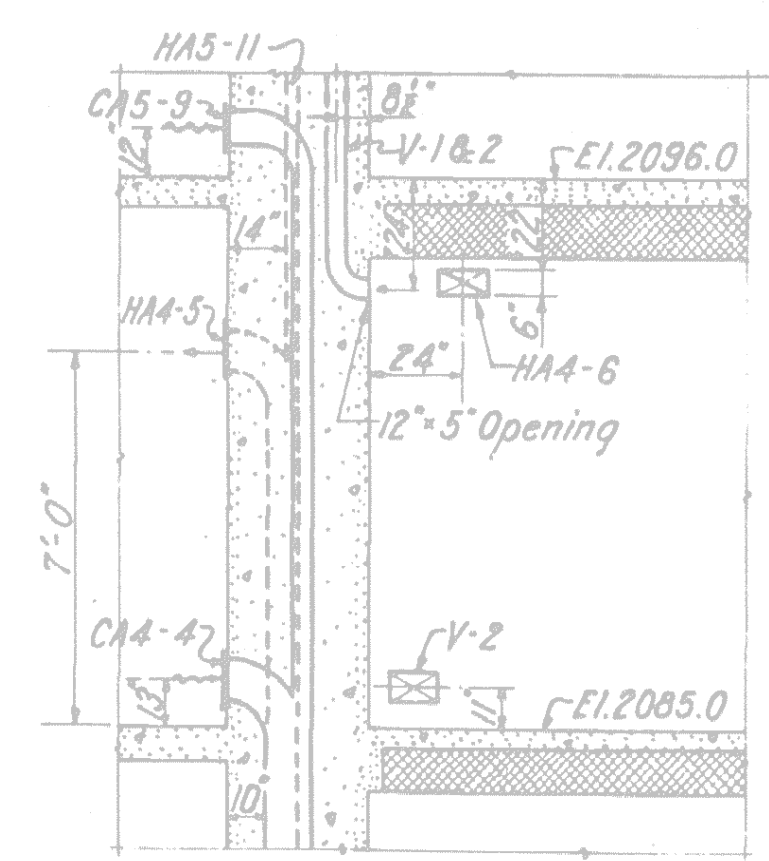
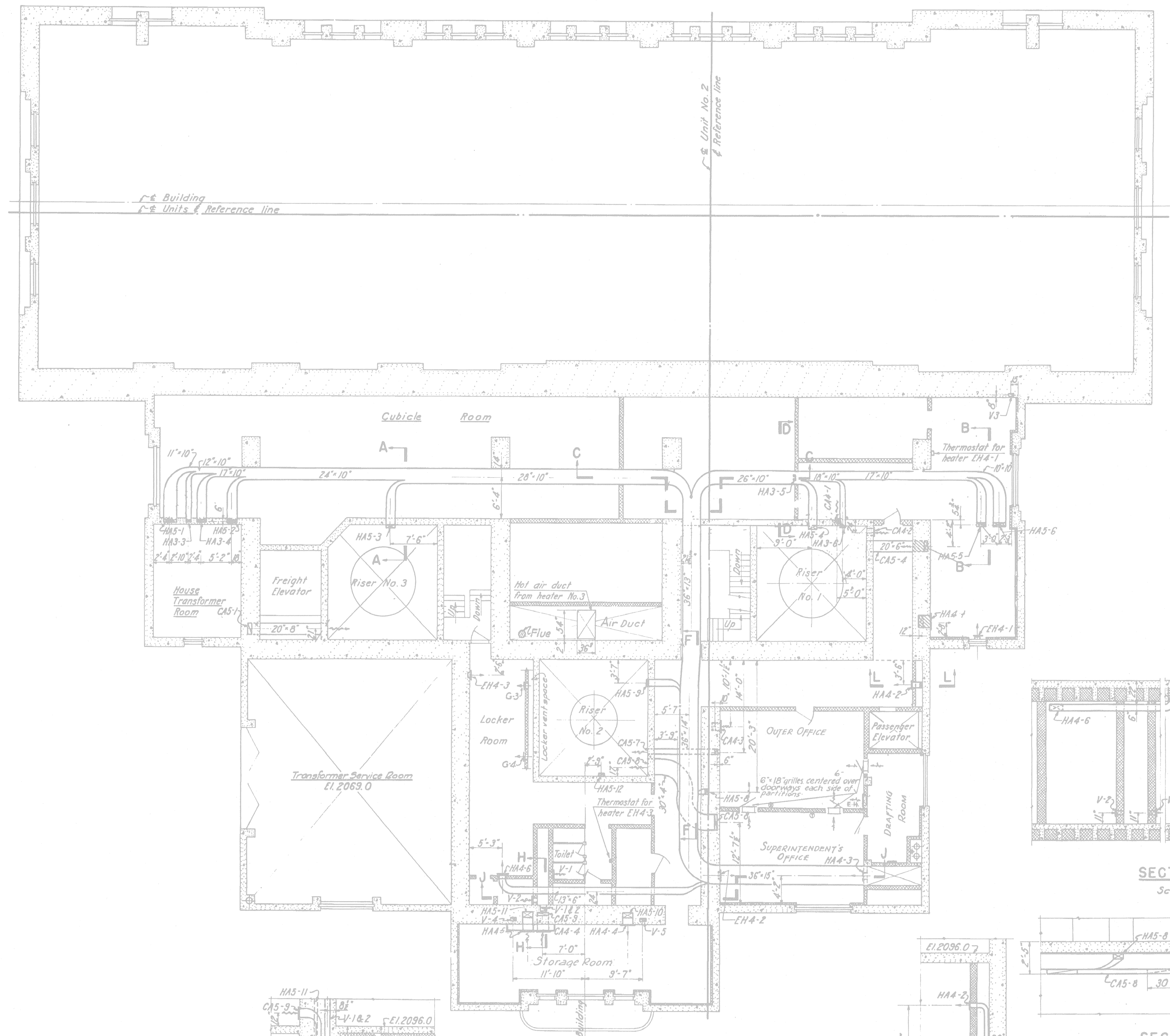
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D

C

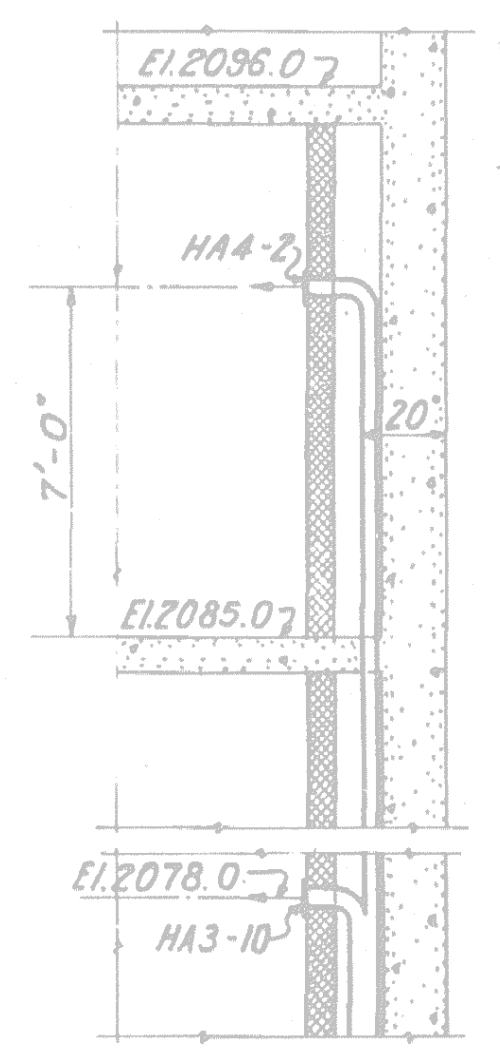
B

A

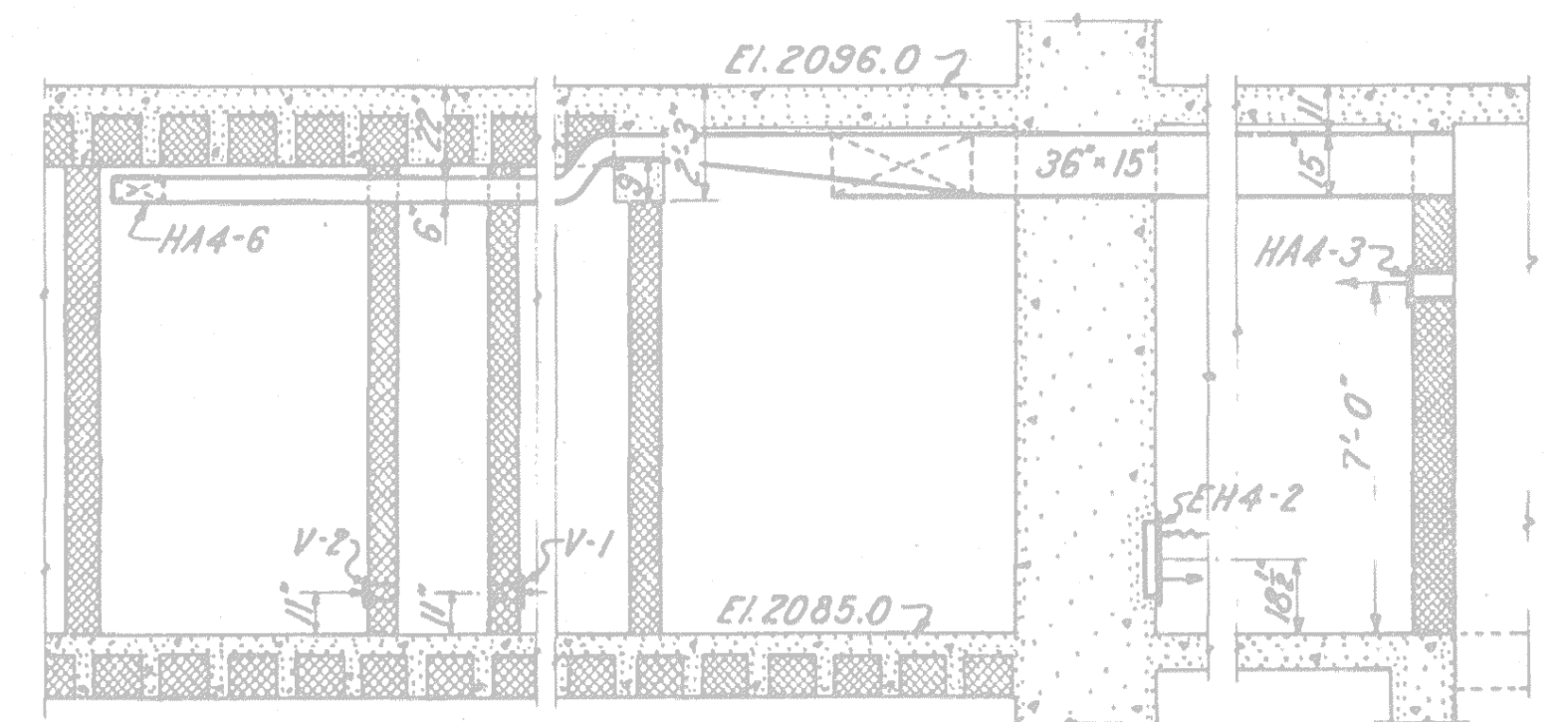


SECTION H-H  
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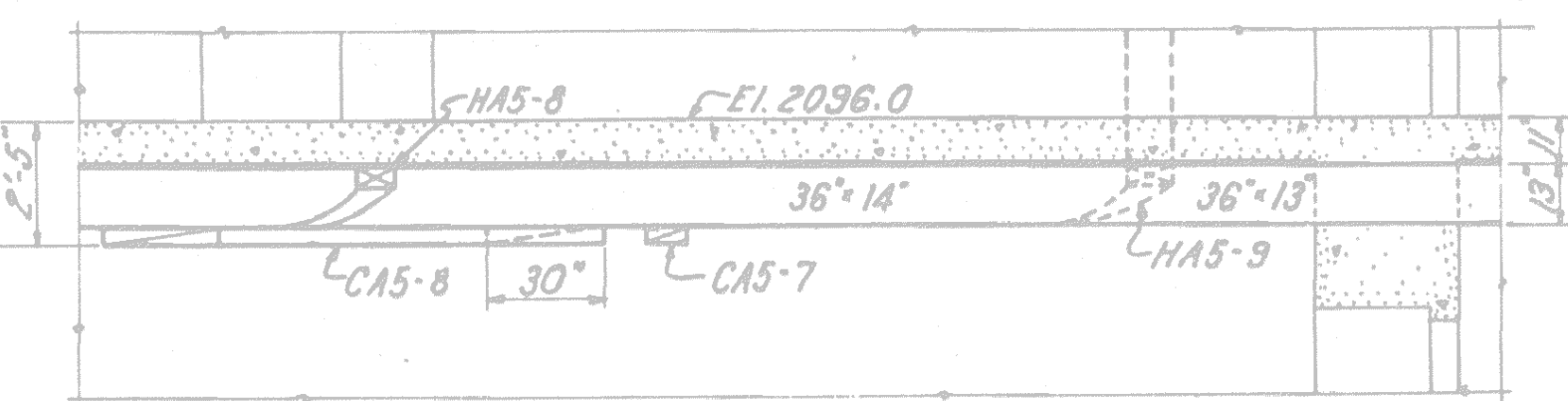
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Scale: 1/8" = 1'-0"



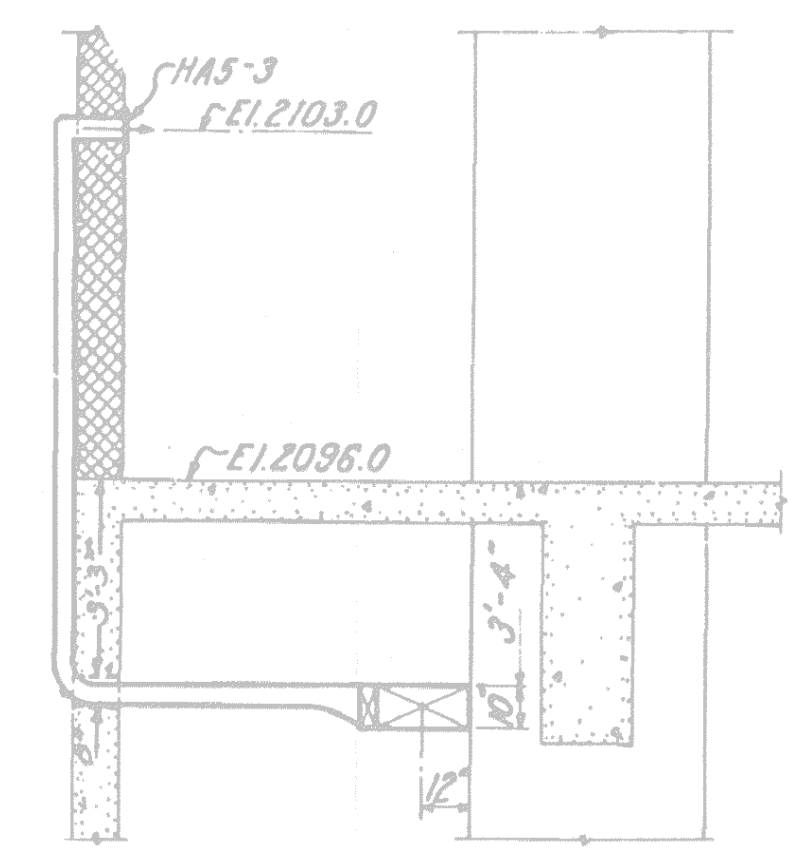
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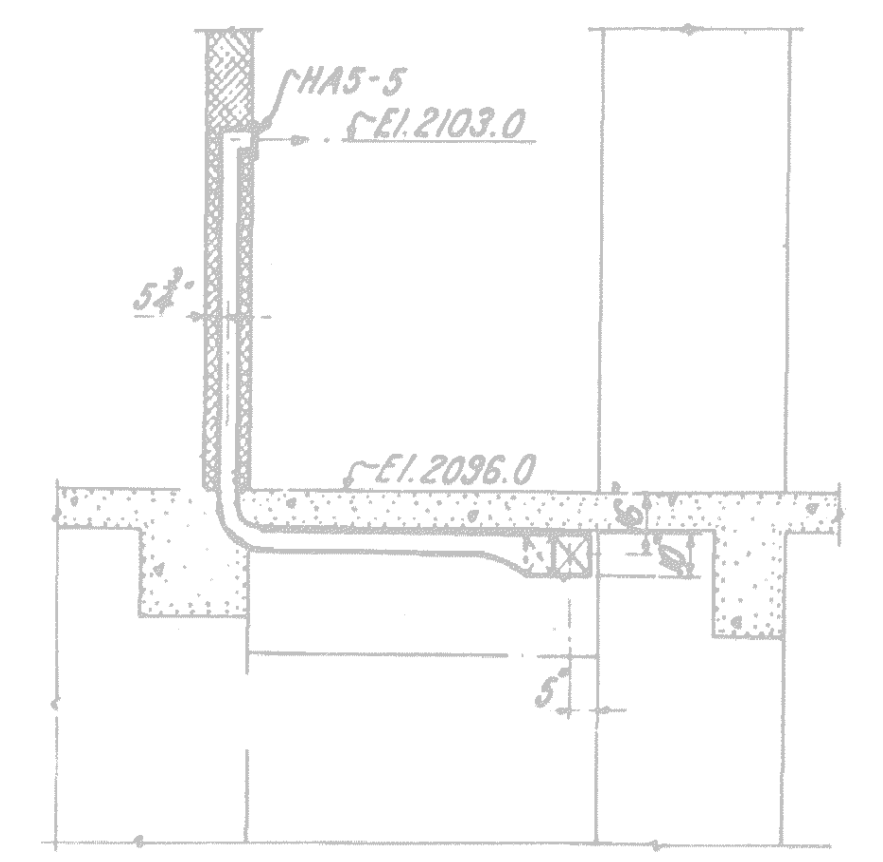
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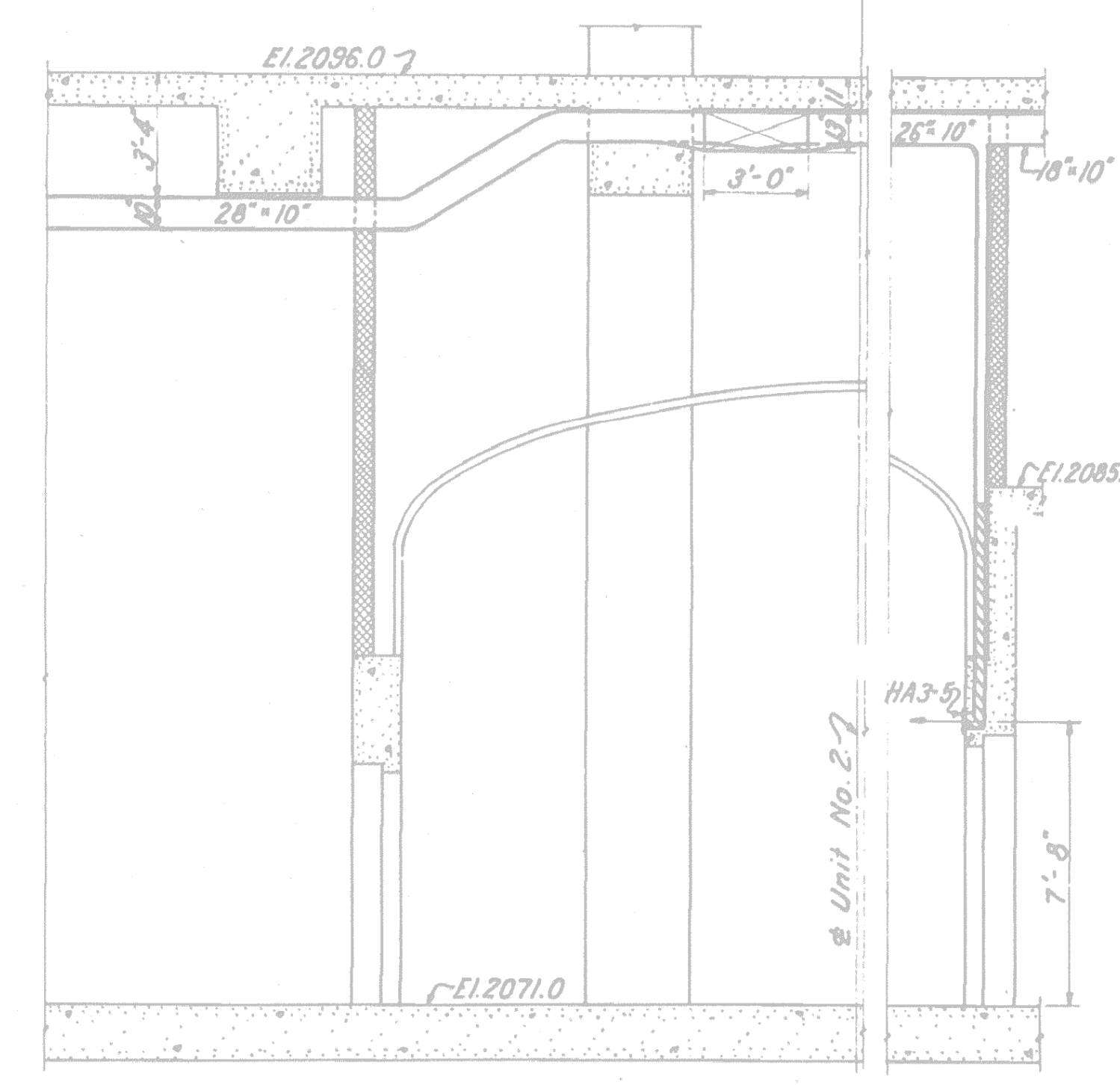
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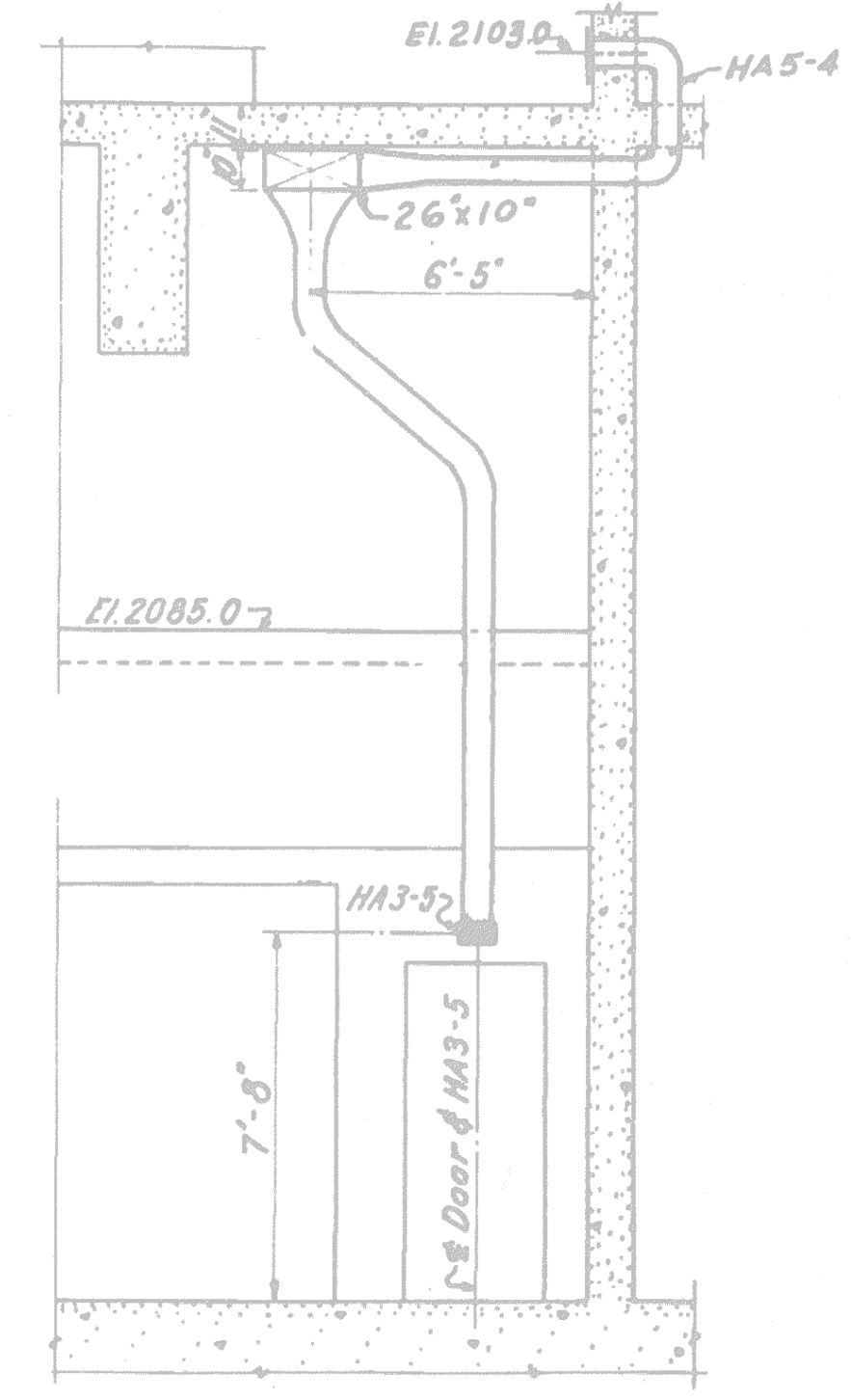
SECTION A-A  
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SECTION B-B  
Scale: 1/4" = 1'-0"



SECTION C-C  
Scale: 1/4" = 1'-0"



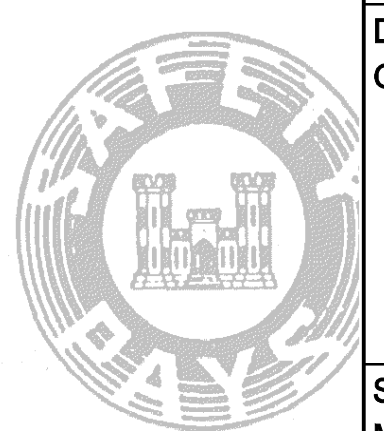
SECTION D-D  
Scale: 1/4" = 1'-0"

- GENERAL NOTES (ALL SHEETS)
- CLEAN ALL DUCTWORK (ALL DUCTWORK INSULATED)
  - TAB SUPPLY AIR FOR ACU-1, ACU-2, AND AHU-2

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

REVISIONS			
SYMBOL	DESCRIPTIONS	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA			
DESIGNED BY: G.D.R.	FORT PECK MODERNIZE HVAC SYSTEMS - POWER PLANTS 1 & 2 HVAC POWER PLANT 1 PLAN EL 2085.0	MONTANA	
SUBMITTED BY: MICHAEL SMITH	PLOT SCALE RATIO: 1:1 DESIGN FILE: FP38-M1-116 SOLICITATION NO.: W9128F-OX-X-00XX CONTRACT NO.: W9128F-OX-C-00XX	DATE: OCTOBER 2007	SHEET REFERENCE NUMBER: M1-116
CHIEF: MECH SECTION	DRAWING CODE: MGR297-082		

THIS PLAN ACCOMPANIES CONTRACT NO. MODIFICATION NO.



NOTES:

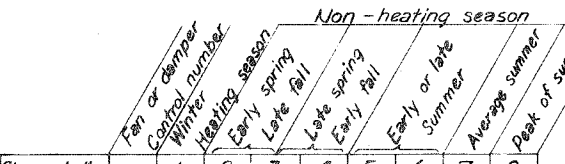
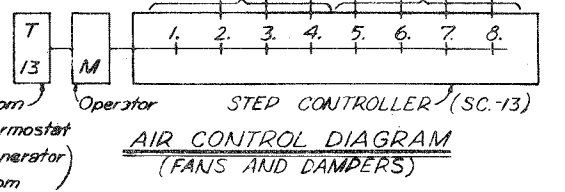
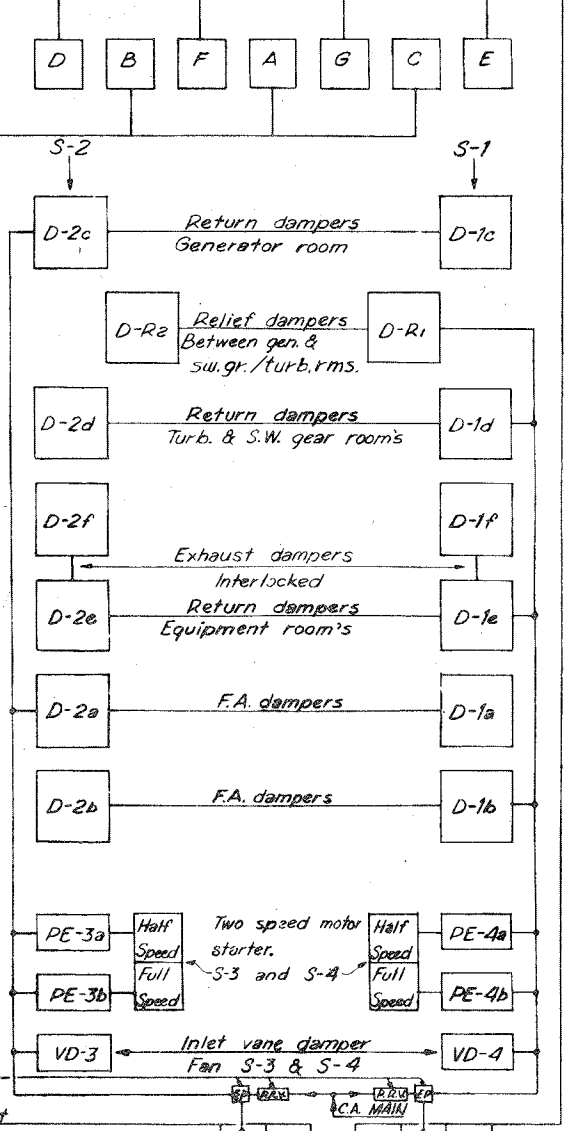
1. Convection type heaters are for 480 volt service.
2. All other heaters have 240 volt elements connected 2 in series on 480 volt service except "6" and "11" which operate on 208 volts.
3. Heaters 7 and 9 are each divided into 8 individual and separate units. The "a" and "b" sections of each heater will be controlled as one unit, one element in "a" being connected in series with one element in "b". The first 18 steps of the 24 step controller will control "a" and "b" as a unit; the last 6 steps "c" to "h" respectively.

NOTE:

See schedule outline on (5-G-187).

GENERATOR ROOM EXHAUST FANS

"E-2" (Propeller type)  
with automatic dampers



LOUVER TYPE FIRE DAMPERS		Location		Room	
Damper No.	Size inches				
FD-1a	8x8	Wall	Lube oil storage		
FD-1b	8x12	Wall	Oil purification		
FD-2a	8x12	Ceiling	Insul. oil storage		
FD-3a	12x18	Wall			
FD-3b	8x12	Wall			
FD-4a	18x18	Ceiling			

SCHEDULE OF LOUVER DAMPERS

Damper No.	Size inches	Type	Location
D-1a	48X60	F.A. Supply	Fan housing "S-1"
D-1b	28X40	Return Air	
D-1c	24X24	Exhaust	
D-1d	24X24	Exhaust	
D-2a	48X60	F.A. Supply	Fan housing "S-2"
D-2b	54X28	Return Air	
D-2c	30X30	Return Air	
D-2d	24X24	Exhaust	
D-R1	44 1/2 X 43	Relief	Curtain wall between Gen. & Sw. Gr./Turb. rms.
D-R2	44 1/2 X 43	Relief	
VD-3	55 1/2 DIA.	Inlet vane dampers	Fan "S-3"
VD-4	55 1/2 DIA.	Inlet vane dampers	Fan "S-4"
BD-3	53 1/2 X 38 1/2	Back draft dampers	Fan S-3
BD-4	53 1/2 X 38 1/2	Back draft dampers	Fan S-4

SYMBOLS

- 120 Vane damper
- 125 Pneumatic electric switch
- 126 Step controller
- 127 Thermostat
- 128 Louver damper
- 129 Manually operated shutters (winter except)
- 130 Fire damper or damper
- 131 Booster heater
- 132 Main heater
- 133 Propeller type fan with damper
- 134 Variable inlet vane damper
- 135 Supply fan
- 136 Exhaust fan
- 137 Automatic air filter
- 138 Motor starter
- 139 Electric pneumatic valve
- 140 Pressure reducing valve
- 141 Push button

NOTES:

1. All dampers will have 4 positions, each position to equal 25% volume, except D-1c - D-2c, D-R1 - D-R2 and VD-3 - VD-4 dampers, these will vary as scheduled.
2. Main supply fan fresh air dampers (systems S-1 & S-2) are divided into two (2) sections, each section to have 4 positions.
3. Recirculating dampers D-R1 and D-R2 will each have two (2) opening positions, half and full.

PROPELLER EXHAUST FANS

1. The seven, fans and dampers will be started and/or stopped in sequence, from the air flow step controller.

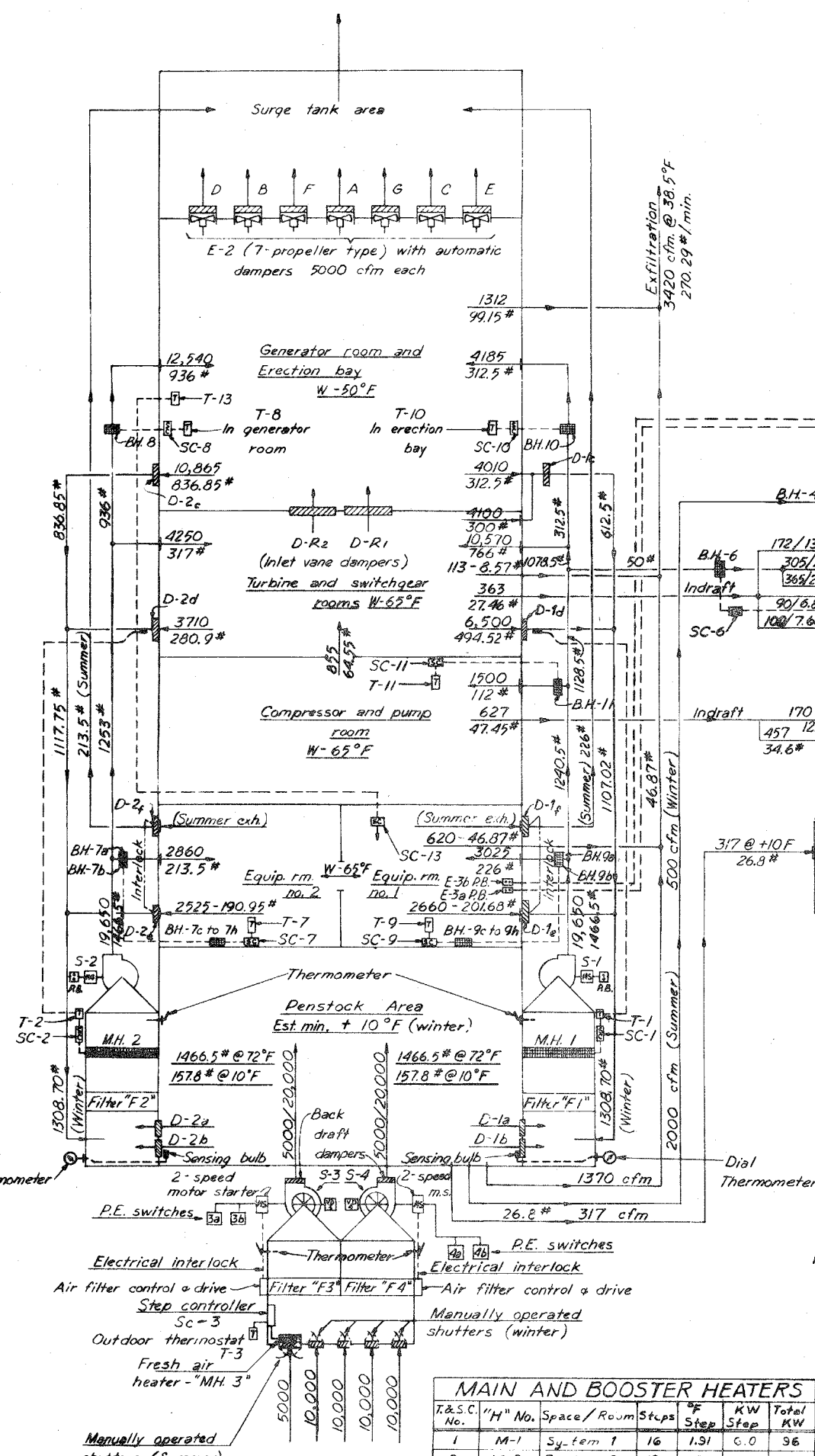
ELECTRIC HEATERS

1. All heaters to be provided with high-limit-stats (or thermal cut outs).

MAIN AND BOOSTER HEATERS

T.S.C. No.	"H" No.	Space/Room	Steps	Step	KW	Total KW
1	M-1	System 1	16	1.31	6.0	96
2	M-2	System 2	19	1.56	6.0	114
3	M-3	F.A. Intake	9	5.5	10.2	90
4	M-4	Elect. gallery	2	.15	3.0	6
5	M-5	Insulating Oil rm.	12	3.34	3.0	36
6	B-6	Bst. & Locker	22	5.45	21.7	91.7
7	B-7a	Equip. Fin. 2	1	3.2	2.0	36
8	B-7b	Gen. Rm.	6	3.5	4.0	32
9	B-9a	Equip. Rm. 1	1	3.2	2.0	36
10	B-10	Erection Bay	12	4.3	5.0	60
11	B-11	Comp. & Pump	18	3.5	0.30	5.4
12	12a to 12L	Cable Tunnel	10	4.5	4.5	45

Note: Refer to dug (5-G-187) for heater details and type.



AIR FLOW DIAGRAM

10-10-8 Addendum No. 2

KEY DATE

REVISION INDICATED BY

ERIK FLOOR & ASSOCIATES, INC. CORPS OF ENGINEERS U.S. ARMY

ENGINEERS OFFICE OF THE DISTRICT ENGINEER

CHICAGO, ILL. GARRISON DISTRICT RIVERDALE, N.D.

DESIGNED ASURFFB

DRAWN ASURFFB

SUPERVISOR

APPROVED

APPROVAL RECOMMENDED

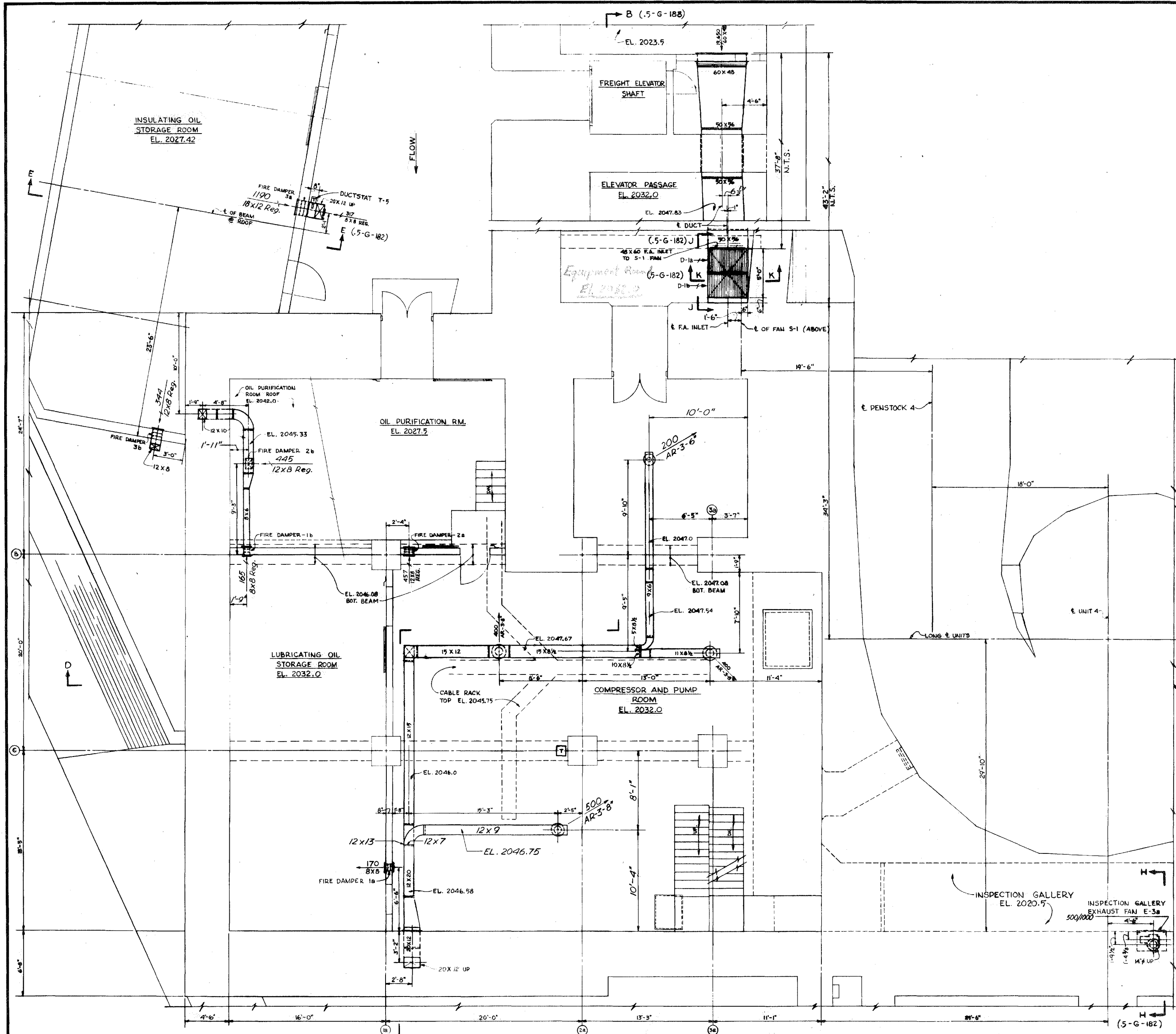
APPROVAL RECOMMENDED

SEPTEMBER 1958

DRAWING NUMBER 5577.5-G-180

SHEET OF

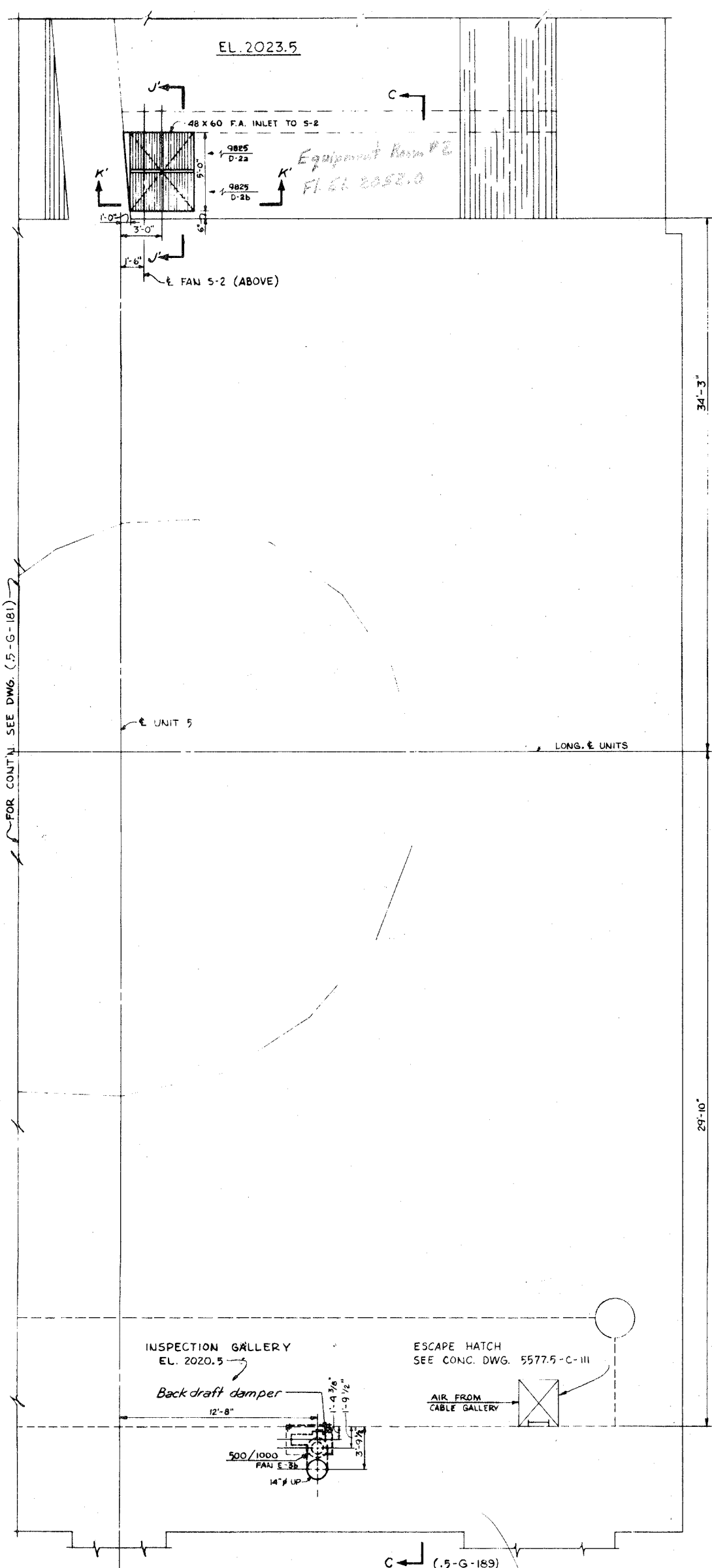




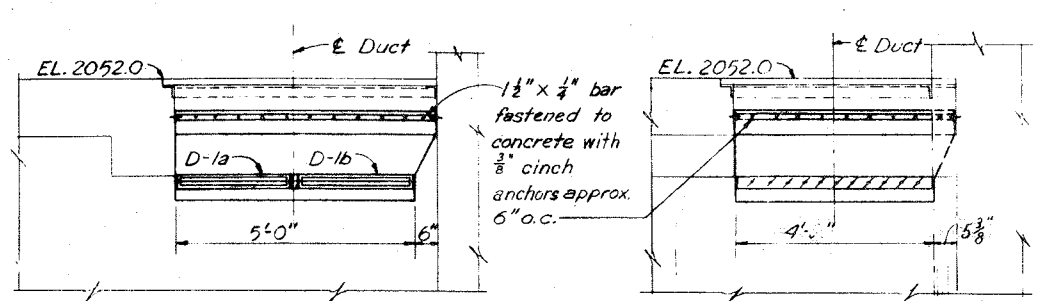
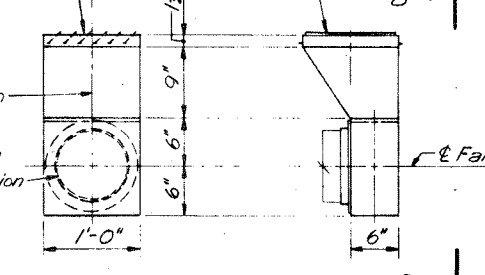
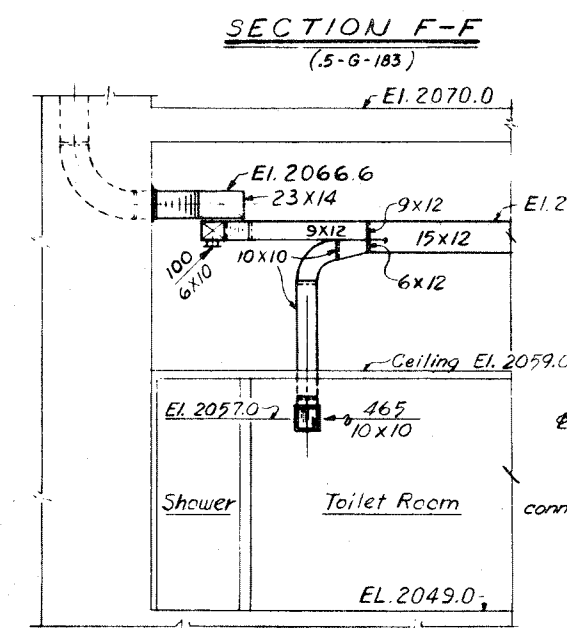
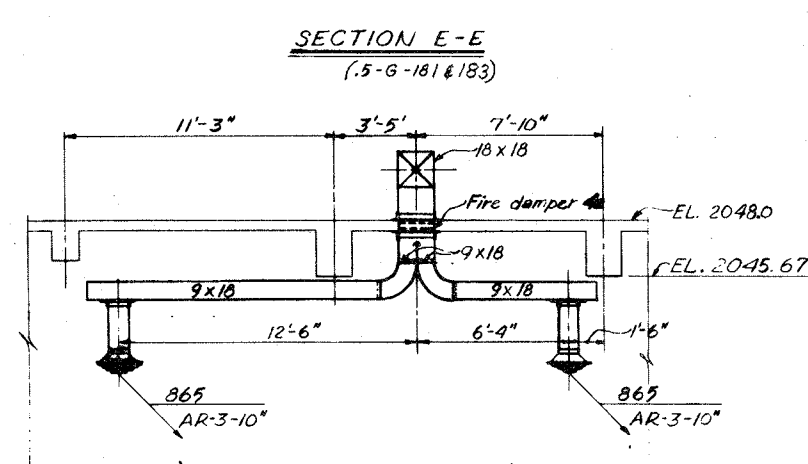
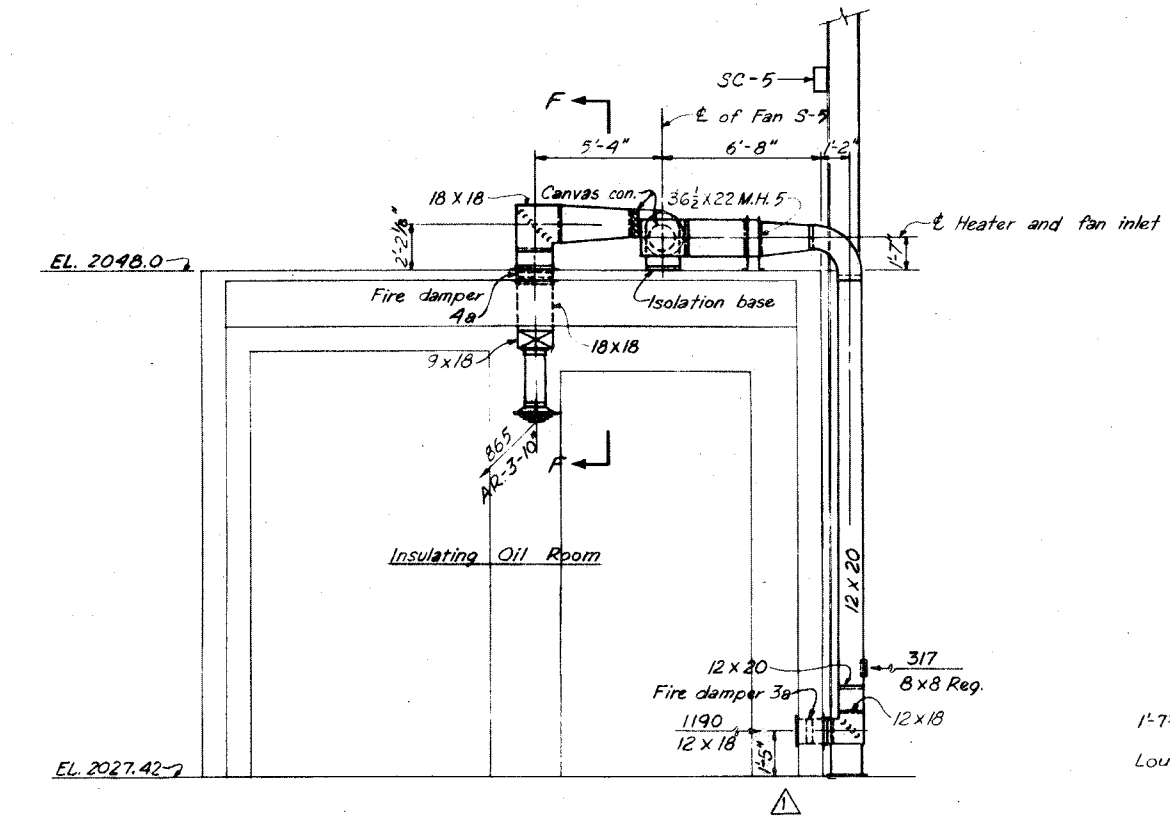
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## POWERHOUSE AND SWITCHYARD - CONTRACT



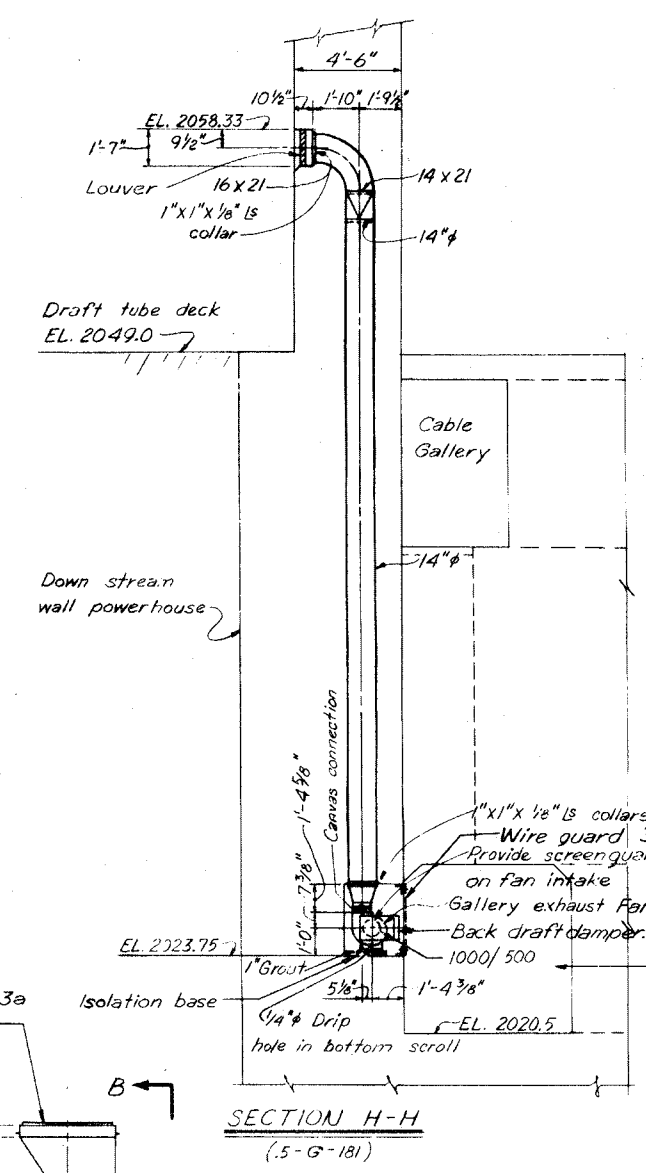
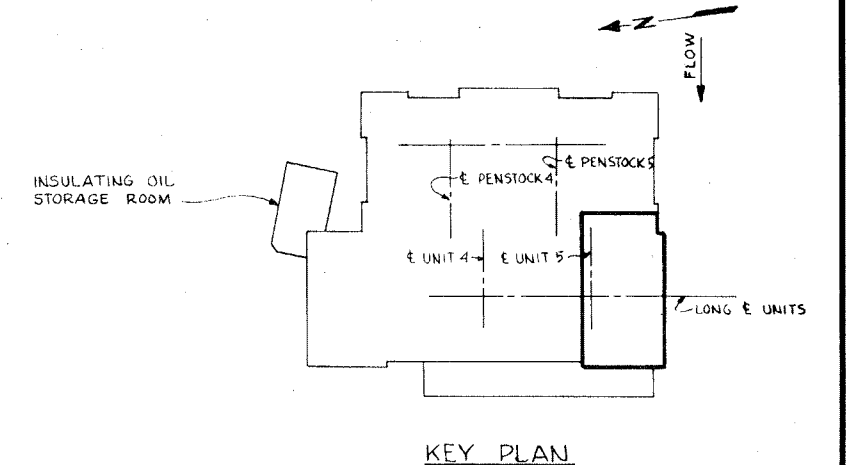


PLAN-EL. 2020.5 AND EL. 2023.5



SECTION J-J (5-G-181)  
SECTION J-J' (OPPOSITE HAND)  
Scale 1/2" = 1'-0"

SECTION K-K (5-G-181)  
SECTION K-K' (OPPOSITE HAND)

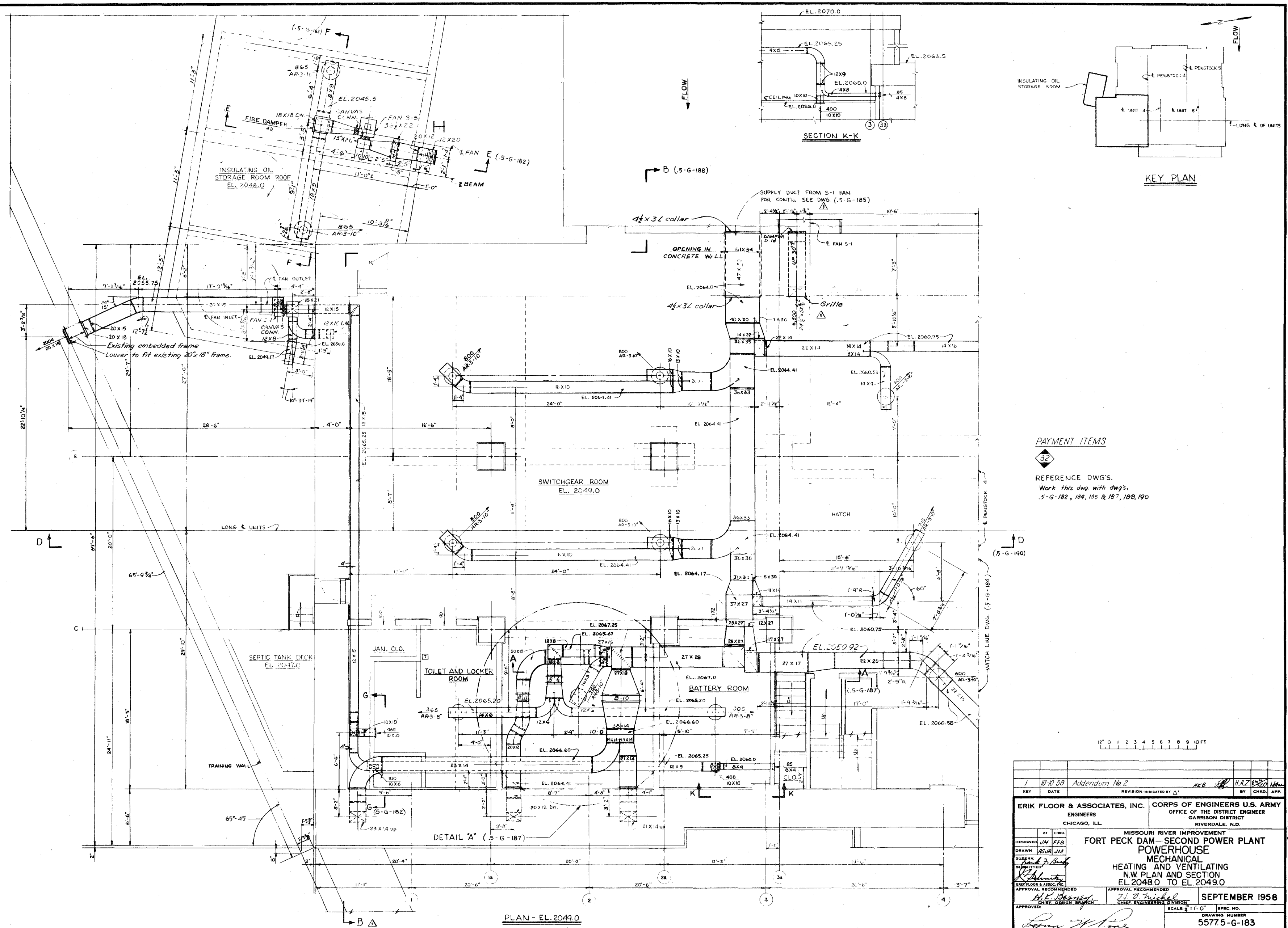


**PAYMENT ITEMS**

32

**REFERENCE DWG'S.**  
Work this dwg. with dwg's,  
5-G-181, 183 & 189

10-10-58		Addendum No. 2		HKB		HAZ		HKB	
KEY	DATE	REVISION INDICATED BY		BY		CHKD.		APP.	
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.				CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.					
DESIGNED: J.H. FFB				MISSOURI RIVER IMPROVEMENT					
DRAWN: J.M. J.M.				FORT PECK DAM—SECOND POWER PLANT					
SUPERVISED: J.B. J.B.				MECHANICAL					
SUBMITTED: J.B. J.B.				HEATING AND VENTILATING					
APPROVAL RECOMMENDED: H.K. J.B.				N.W. PLAN AND SECTION					
APPROVED: J.B. J.B.				EL. 2020.5 TO EL. 2023.5					
CHIEF, DESIGN BRANCH				CHIEF, ENGINEERING DIVISION					
SEPTEMBER 1958				SCALE: 1/2" = 1'-0"					
DRAWING NUMBER				SPEC. NO.					
5577.5-G-182				SHEET					
OF				OF					



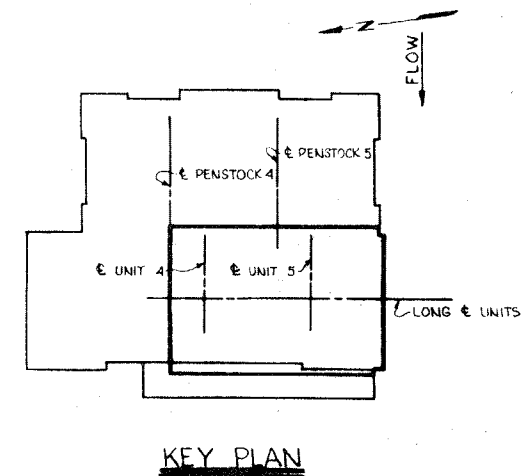
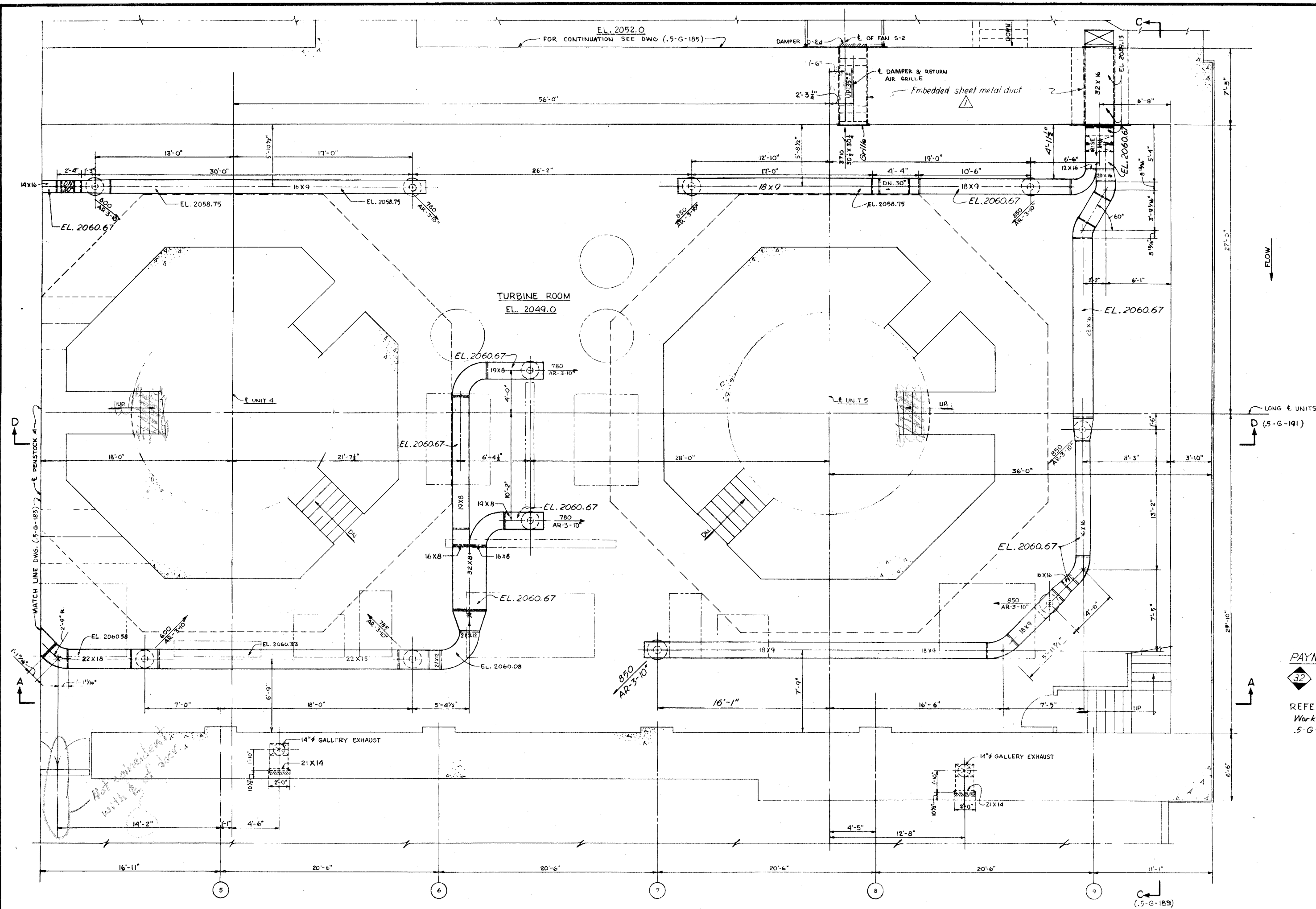
PLAN - EL. 2049.0

PAYMENT ITEMS

32

REFERENCE DWG'S.  
Work this dwg. with dwgs.  
5-G-182, 184, 185 & 187, 188, 190

1 10 58 Addendum No 2		HKB HAZ	
KEY	DATE	REVISION INDICATED BY	BY CHKD. APP.
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.		CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.	
MISSOURI RIVER IMPROVEMENT FORT PECK DAM—SECOND POWER PLANT POWERHOUSE MECHANICAL HEATING AND VENTILATING N.W. PLAN AND SECTION EL. 2048.0 TO EL. 2049.0			
DESIGNED	BY	CHKD.	
DRAWN	BY	CHKD.	
SUBV.	BY	CHKD.	
SUBMITTED	BY	CHKD.	
APPROVAL RECOMMENDED CHIEF ENGINEER DIVISION		APPROVAL RECOMMENDED CHIEF ENGINEER DIVISION	
APPROVED COL. C. OF E. DISTRICT ENGINEER		SEPTEMBER 1958	
DRAWING NUMBER 55775-G-183		SHEET OF	

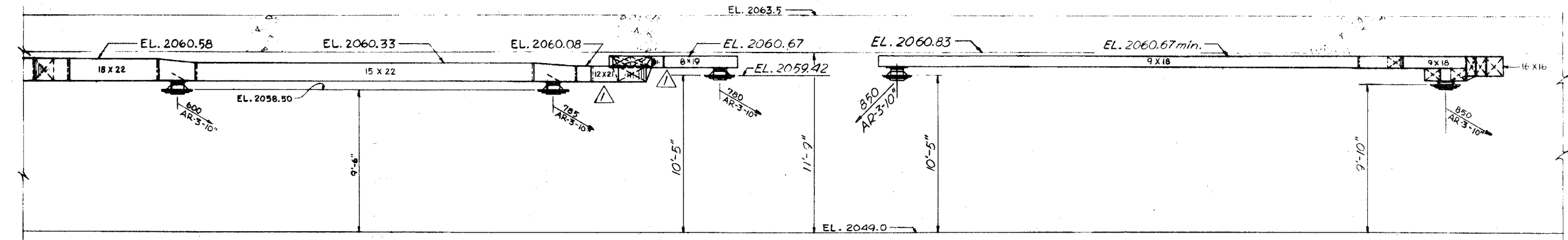


**PAYMENT ITEMS**

32

REFERENCE DWG'S.  
Work this dwg. with dwg's  
.5-G-183, 185, 189 & 191

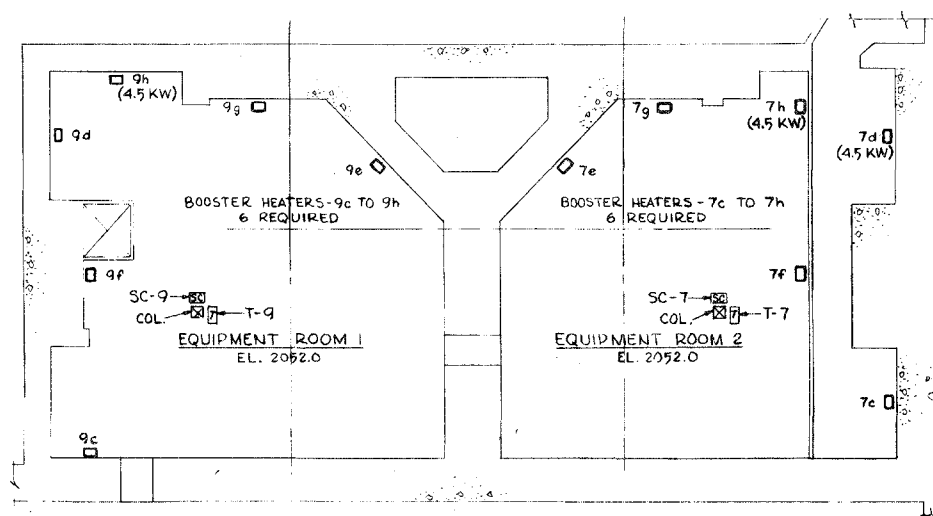
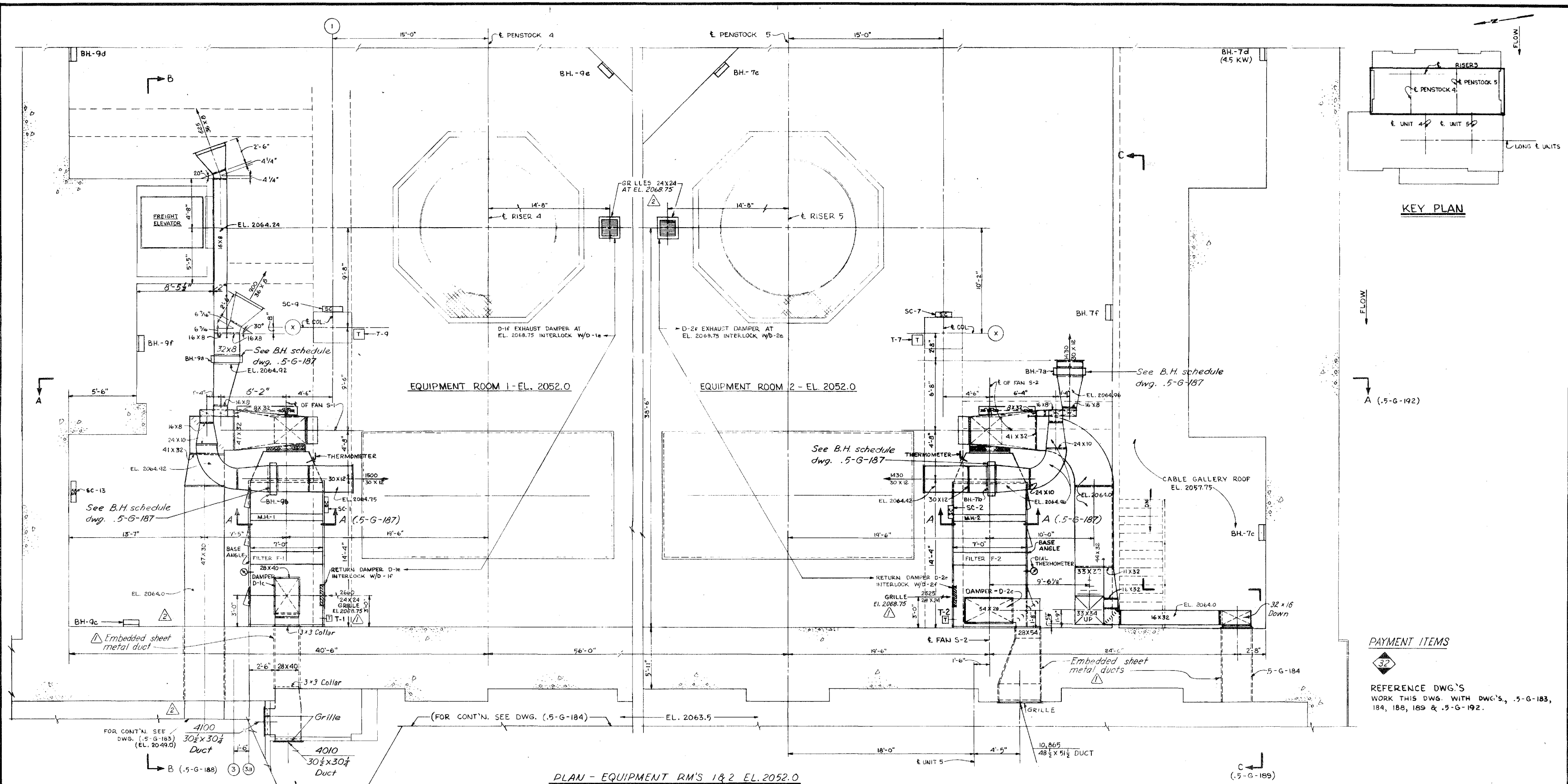
**GENERAL PLAN - EL. 2049.0**



**SECTION A-A**

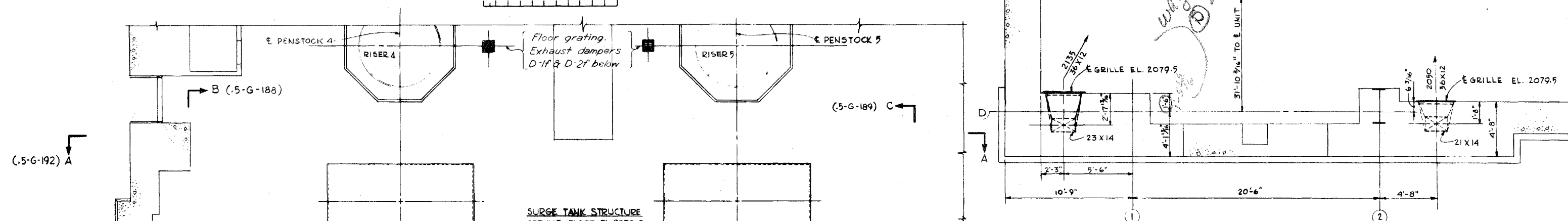
1 10-10-58 Addendum No. 2		HFB		GON	
KEY	DATE	REVISION (INDICATED BY Δ)	BY	CHKD.	APP.
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.			CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.		
MISSOURI RIVER IMPROVEMENT FORT PECK DAM—SECOND POWER PLANT MECHANICAL HEATING AND VENTILATING PLAN TURBINE ROOM EL 2049.0					
DESIGNED	UM	FFB	BY	CHKD.	
DRAWN	ASUE	UM			
SUPERV.	W. J. B.				
SUBMITTED					
APPROVAL RECOMMENDED H. K. B. B. B. CHIEF, DESIGN BRANCH			APPROVAL RECOMMENDED J. L. B. B. B. CHIEF, ENGINEERING DIVISION		
APPROVED L. W. B. B. B. COL. C. OF E. DISTRICT ENGINEER			SEPTEMBER 1958		
SCALE: 1" = 1'-0"			SPEC. NO.		
DRAWING NUMBER 55775-6-184			SHEET OF		



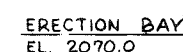


KEY PLAN LOCATING HEATERS-BH. 7c-h & BH. 9c-h  
(All heaters 3 KW except as noted)

2	11-13-58	Addendum No. 5	MR. [Signature]	DHE	BY	CHD	APP
1	10-10-58	Addendum No. 2	MR. [Signature]	HAZ	BY	CHD	APP
KEY		DATE	REVISION INDICATED BY				
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.				CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.			
DESIGNED J.M. FFB				MISSOURI RIVER IMPROVEMENT			
DRAWN AS.W. J.M.				FORT PECK DAM—SECOND POWER PLANT			
SUPERV. [Signature]				MECHANICAL			
SUBMITTED [Signature]				HEATING AND VENTILATING			
				PLAN—EQUIPMENT ROOMS No. 1 AND No. 2			
				EL. 2052.0			
APPROVED: [Signature]				APPROVAL RECOMMENDED: [Signature]			
CHIEF, DESIGN BRANCH				CHIEF, ENGINEERING DIVISION			
SEPTEMBER 1958				SCALE: 1/4" = 1'-0"			
DRAWING NUMBER: 5577.5-G-185				SHEET 1 OF 1			

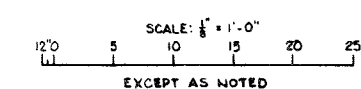


(.5-G-192) A



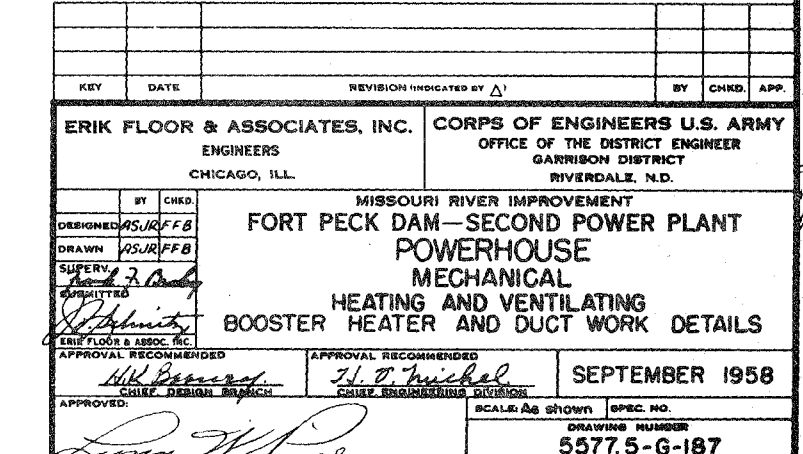
GENERATOR FLOOR  
EL. 2063.5

PLAN - EL. 2063.5 & 2070.0

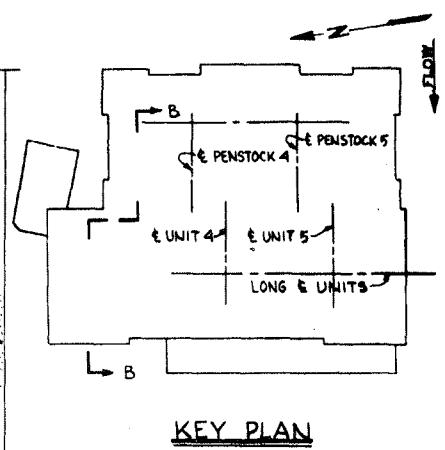
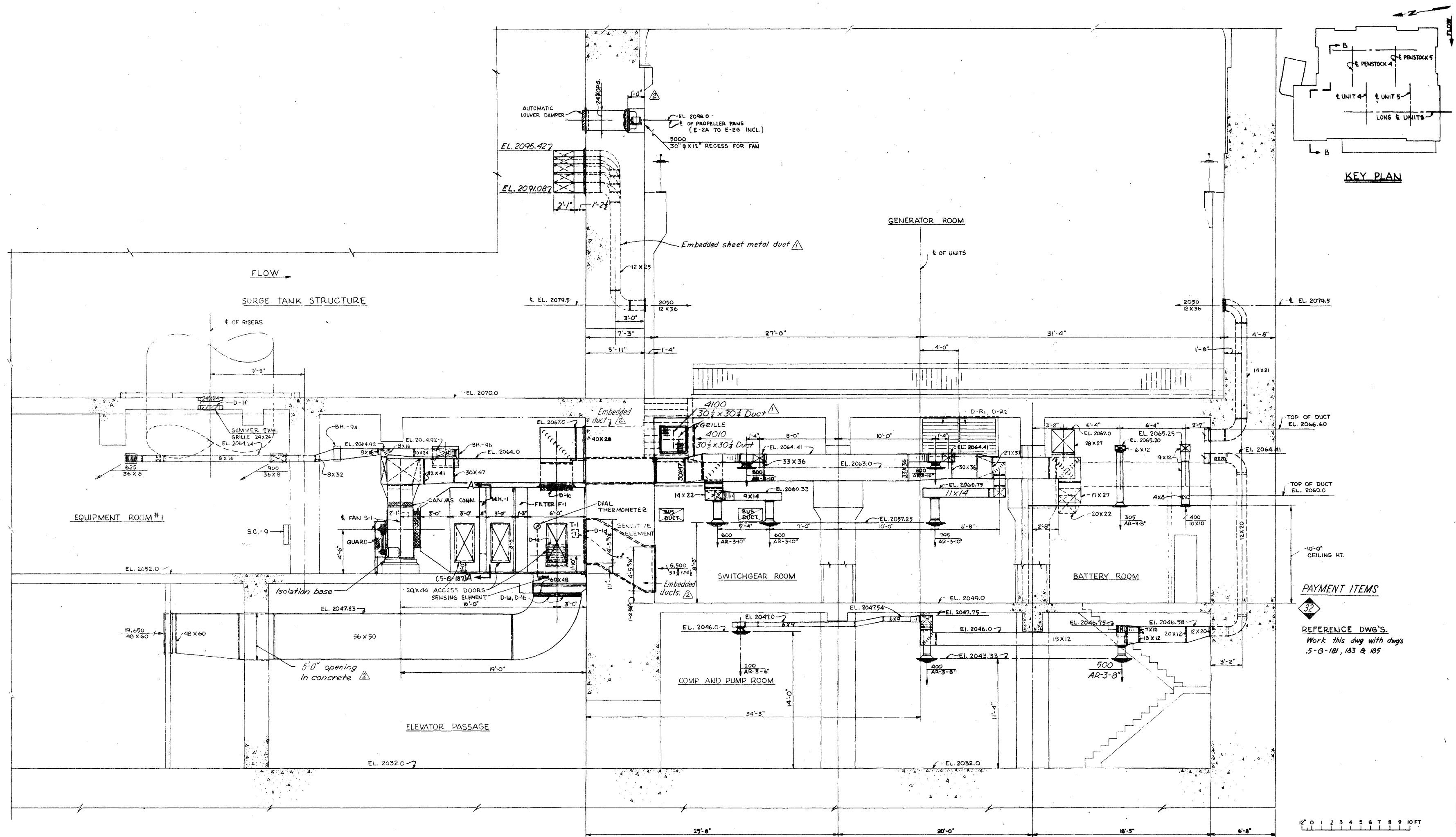


1	10-08	Addendum No 2	WCB	HAZ	100	N
KEY	DATE	REVISION INDICATED BY Δ			BY	CHKD. A
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.			CORPS OF ENGINEERS U.S. ARM OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.			
DESIGNED <u>UM/FB</u> DRAWN <u>ASUR/JM</u> SUPERV <u>ASUR</u> SUBMITT <u>7/2/64</u> <u>[Signature]</u> ERIK FLOOR & ASSOC. INC. APPROVAL RECOMMENDED <u>[Signature]</u> CHIEF DESIGN BRANCH			MISSOURI RIVER IMPROVEMENT FORT PECK DAM—SECOND POWER PLANT POWERHOUSE MECHANICAL HEATING AND VENTILATING PLANS AND DETAILS, EL. 2063.5 AND EL. 2070.0 APPROVAL RECOMMENDED <u>[Signature]</u> CHIEF ENGINEERING DIVISION			
APPROVED: <u>[Signature]</u>			DRAWING NUMBER 5577.5-G-186 SHEET OF			
			SCALE AS SHOWN SPEC. NO. SEPTEMBER 1954			

POWERHOUSE AND SWITCHYARD-CONTRACT



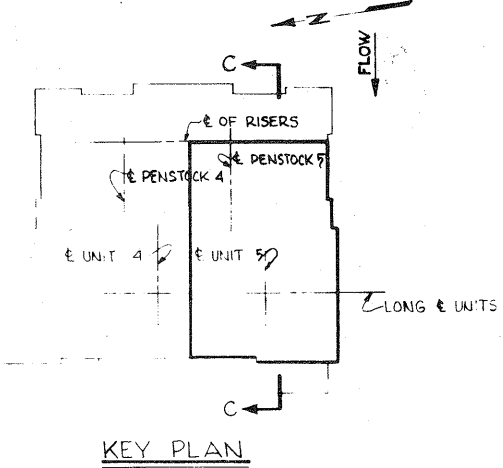
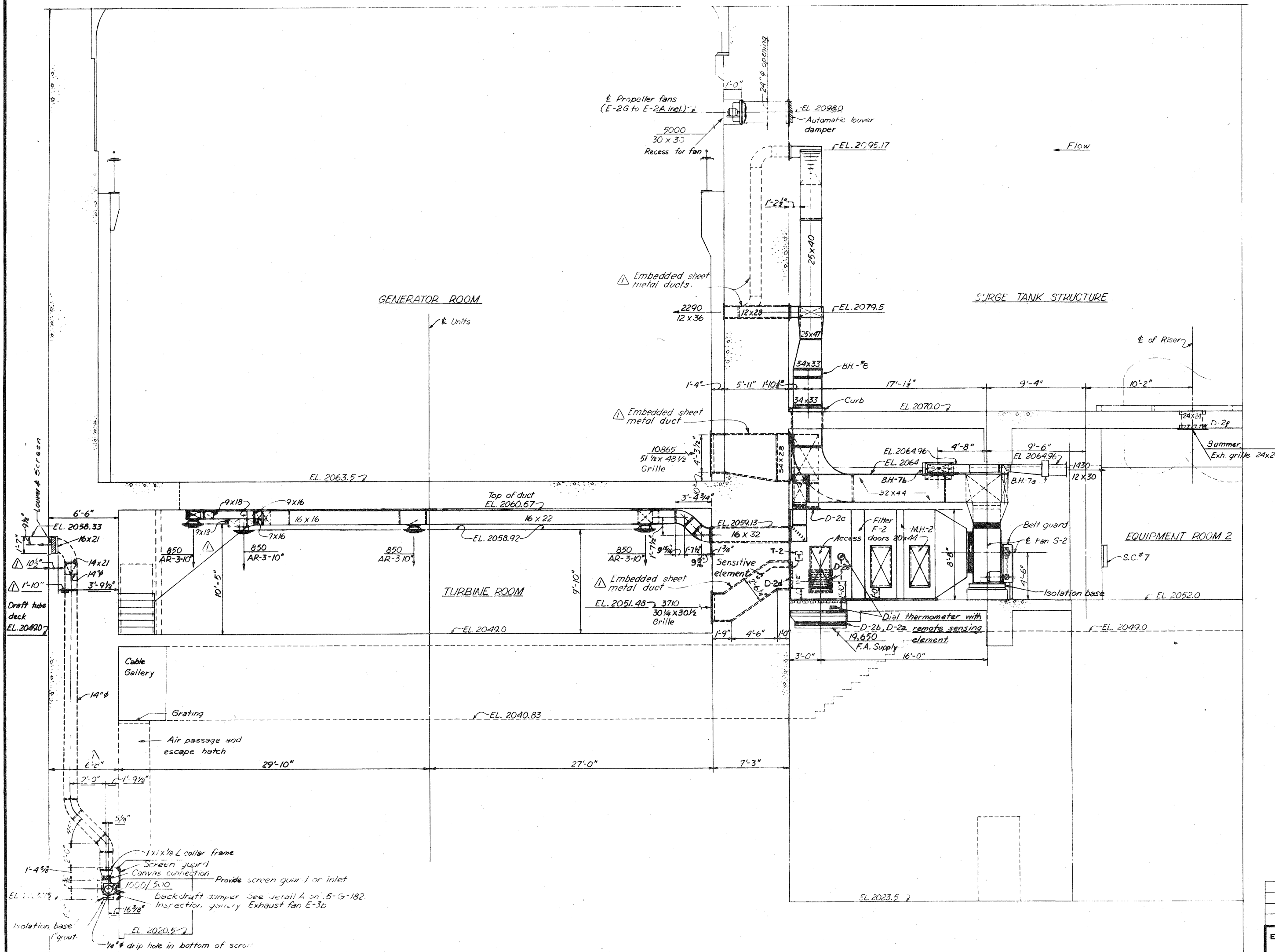




SECTION B-B  
(5-G-181, 183 & 185)

PAYMENT ITEMS  
32  
REFERENCE DWG'S  
Work this drawing with dwgs  
5-G-181, 183 & 185

2	11-15-58	Addendum No. 5	HEB	LN	11-15-58
1	10-10-58	Addendum No. 2	HEB	TJM	10-10-58
KEY	DATE	REVISION INDICATED BY	BY	CHECKED	APP.
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.			CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.		
DESIGNED BY CHD J.M. FFB			MISSOURI RIVER IMPROVEMENT FORT PECK DAM—SECOND POWER PLANT POWERHOUSE MECHANICAL HEATING AND VENTILATING CROSS SECTION—NORTH END POWERPLANT		
DRAWN BY CHD J.S. B. J.M.			APPROVAL RECOMMENDED J.L. O. Michel CHIEF ENGINEERING DIVISION		
SUPERVISED BY CHD J. B. B.			APPROVED J. B. B. COL. C. OF E. DISTRICT ENGINEER		
SUBMITTED BY CHD J. B. B.			SEPTEMBER 1958 SCALE: 1/4" = 1'-0" DRAWING NUMBER 5577.5-G-188 SHEET OF		



# PAYMENT ITEMS

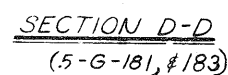
32

REFERENCE DWG'S.  
Work this dwg with dwg's,  
.5-G-182, 184 & 185

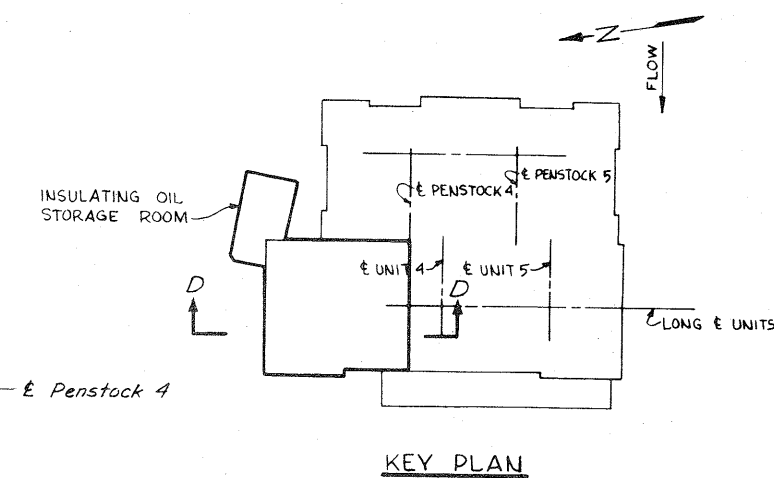
12' 0 1 2 3 4 5 6 7 8 9 10 FT

## SECTION C-C (.5-G-186)

1 10-10-58 Addendum No. 2		H.B. 186 HAZARD	
KEY	DATE	REVISION INDICATED BY	BY
ERIK FLOOR & ASSOCIATES, INC.		CORPS OF ENGINEERS U.S. ARMY	
ENGINEERS CHICAGO, ILL.		OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.	
DESIGNED BY J.M. FFB		DRAWN BY J.S. J.M.	
SUPERVISED BY J. J. J. J.		SUBMITTED BY J. J. J. J.	
APPROVAL RECOMMENDED BY H.K. Bennis		APPROVAL RECOMMENDED BY J. J. J. J.	
CHIEF DESIGN BRANCH		CHIEF ENGINEERING DIVISION	
APPROVED BY J. J. J. J.		SCALE: 1" = 0' SPEC. NO.	
COL. C. OF E. DISTRICT ENGINEER		DRAWING NUMBER 557.5-G-189	
SHEET		OF	



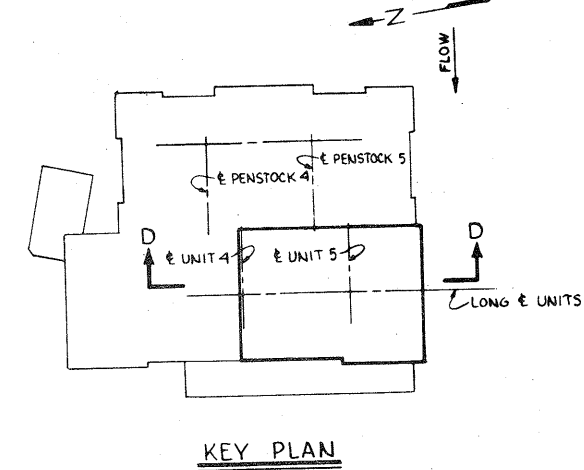
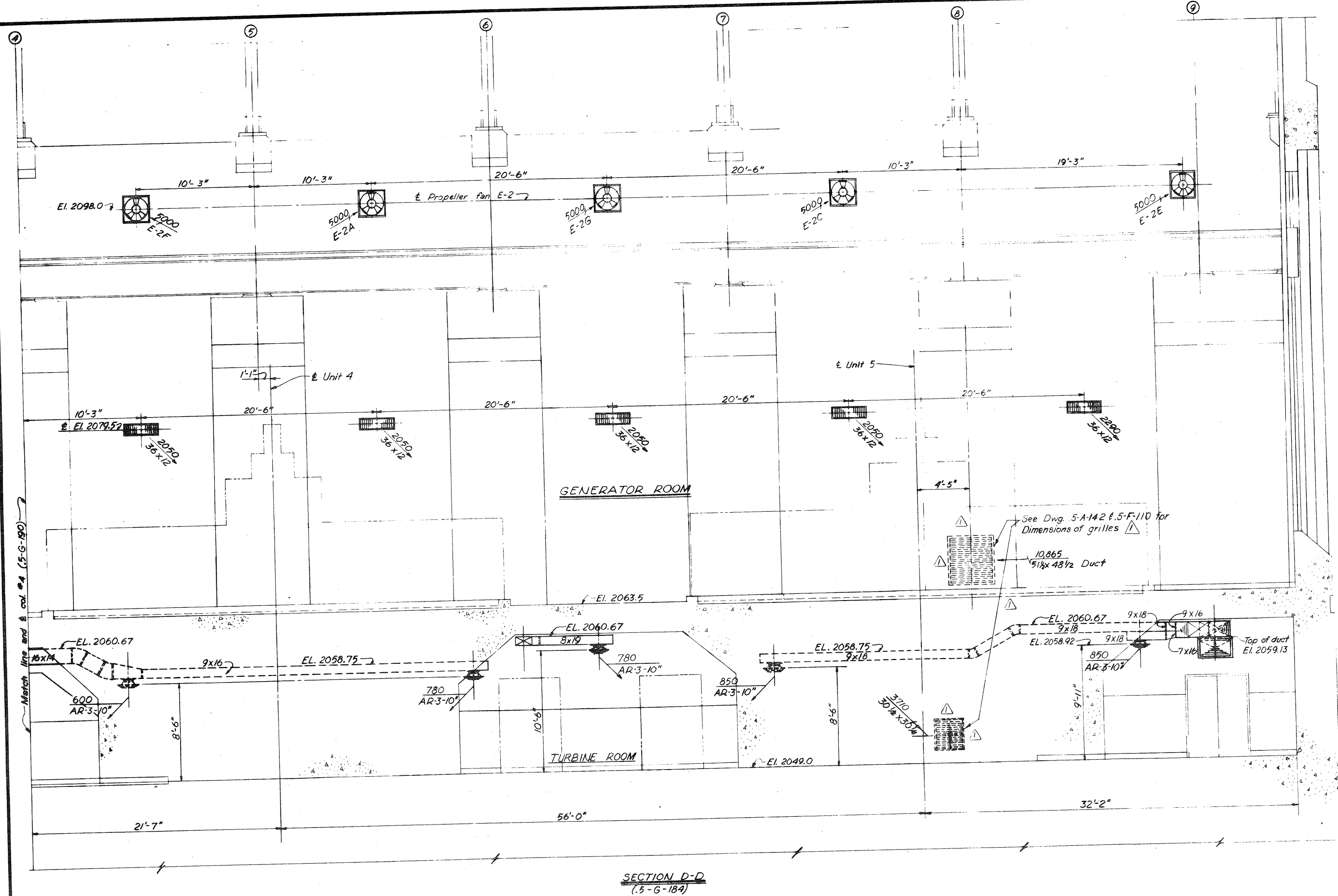
REFERENCE DWG'S.  
Work this dwg. with dwg's.  
.5-G-183 and 191.



1	10-10-58	Addendum No. 2	HEB. 10/10/58	60N 2830	14
KEY	DATE	REVISION INDICATED BY $\Delta$ 1	BY	CHKD.	APP.
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.			CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.		
DESIGNED	BY	MISSOURI RIVER IMPROVEMENT			
DRAWN	CHKD.	FORT PECK DAM—SECOND POWER PLANT			
SUPERV.		POWERHOUSE			
SUBMITTED		MECHANICAL			
		HEATING AND VENTILATING			
		LONGITUDINAL SECTION - NORTH END POWERPLANT			
APPROVAL REQUIRED		APPROVAL RECOMMENDED		DRAWING NUMBER	
H. H. Brown		L. D. Michael		SEPTEMBER 1958	
CHIEF, DESIGN BRANCH		CHIEF, ENGINEERING DIVISION		SCALE: $\frac{1}{2}$ " = 1' - 0"	
APPROVED				SPEC. NO.	
L. M. H. H. H.				DRAWING NUMBER	
COL. C. OF E. DISTRICT ENGINEER				577.5-G-190	
				SHEET	
				OF	

POWERHOUSE AND SWITCHYARD-CONTRACT

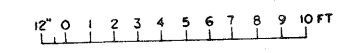




# PAYMENT ITEMS

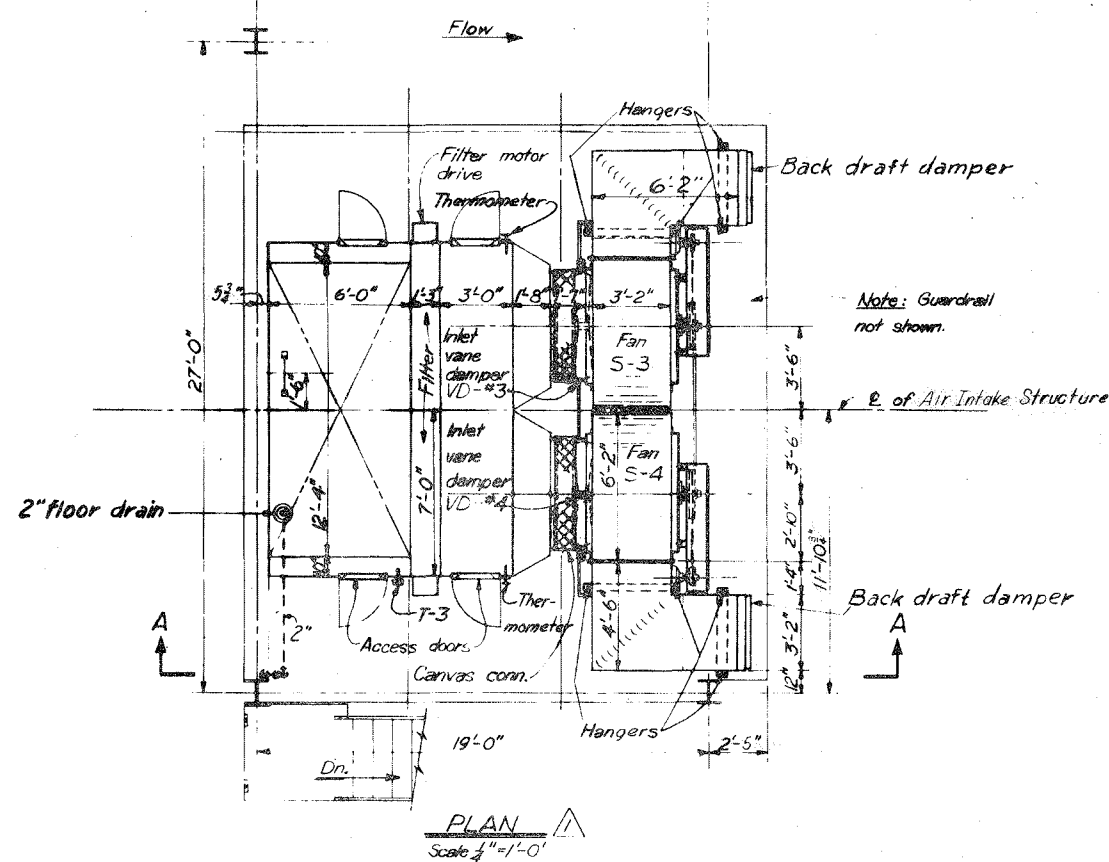
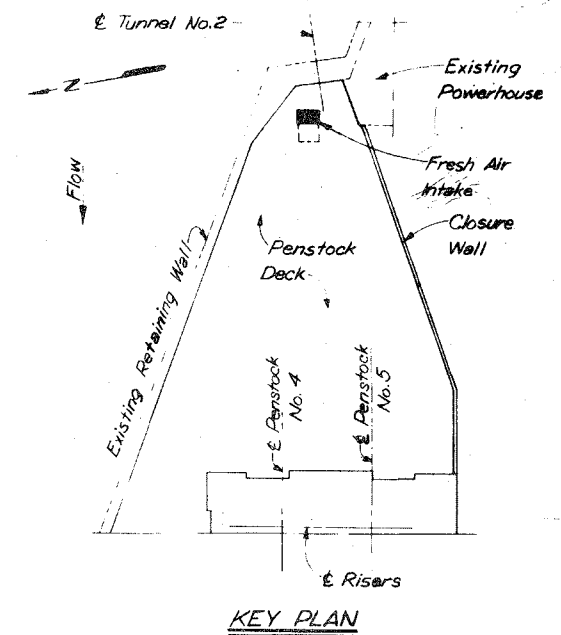
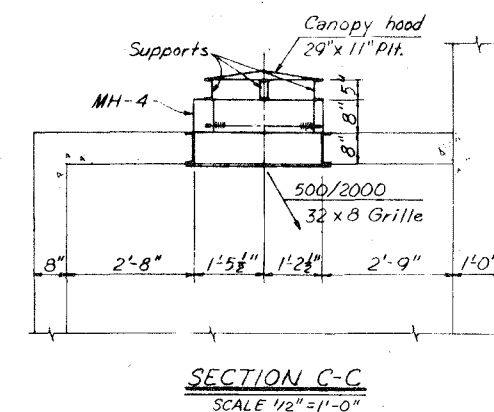
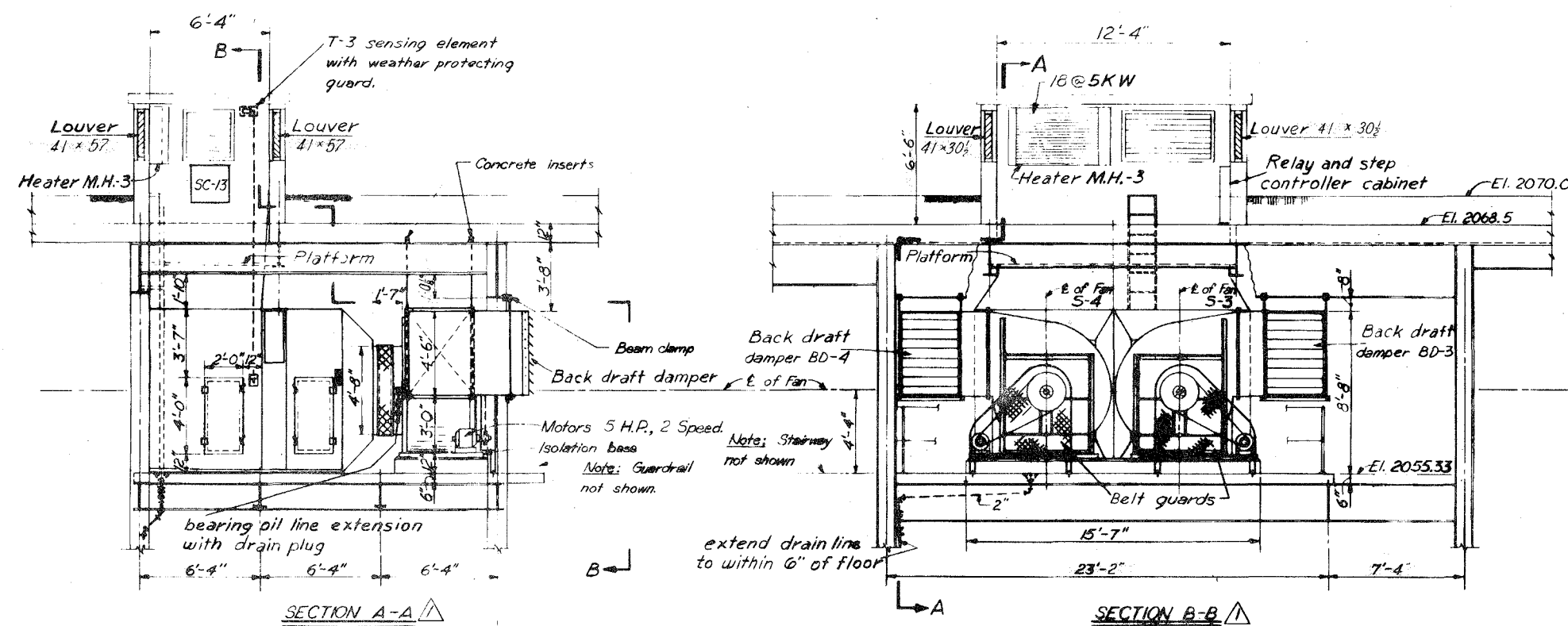
32

REFERENCE DWG'S.  
Work this dwg with dwg's  
5-G-184 and 190

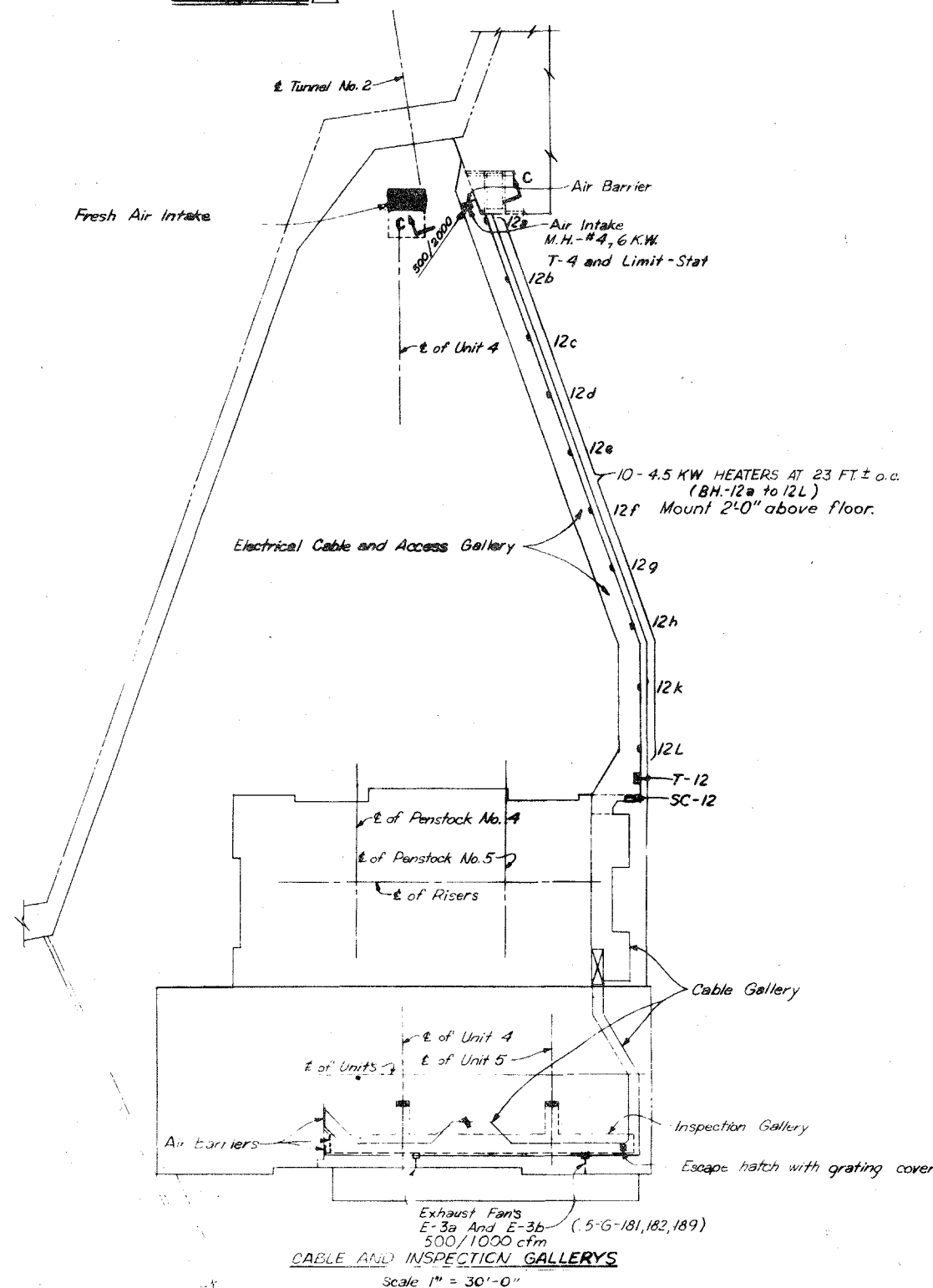


1 10-10-58 Addendum No. 2		HYB		TJH	
KEY	DATE	REVISION INDICATED BY		BY	CHKD
ERIK FLOOR & ASSOCIATES, INC. ENGINEERS CHICAGO, ILL.		CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.			
DESIGNED J.M. FFB		MISSOURI RIVER IMPROVEMENT FORT PECK DAM—SECOND POWER PLANT POWERHOUSE MECHANICAL			
DRAWN ASJR/JM		HEATING AND VENTILATING LONGITUDINAL SECTION - SOUTH END POWERPLANT			
SUPERVISED J. D. Dwyer		APPROVAL RECOMMENDED			
SUBMITTED		APPROVAL RECOMMENDED			
H.P. Bennett CHIEF, DESIGN BRANCH		J.H. O'Neil CHIEF ENGINEERING DIVISION		SEPTEMBER 1958	
APPROVED: [Signature] COL. C. OF E. DISTRICT ENGINEER		SCALE: 1/4" = 1'-0"		SPEC. NO.	
DRAWING NUMBER		5577.5-G-191		SHEET	
POWERHOUSE AND SWITCHYARD-CONTRACT					





FRESH AIR INTAKE - PLAN AND SECTIONS



# PAYMENT ITEMS

32

## REFERENCE DWGS

Work this drawing with drawings (5-G-181, 182, 187 and 189.

KEY	DATE	ADDENDUM No. 2	REVISION INDICATED BY	BY	CHKD	APP
1	10-10-58			HRB	SDN	
ERIK FLOOR & ASSOCIATES, INC. CHICAGO, ILL.			CORPS OF ENGINEERS U.S. ARMY OFFICE OF THE DISTRICT ENGINEER GARRISON DISTRICT RIVERDALE, N.D.			
DESIGNED BY EFB			MISSOURI RIVER IMPROVEMENT			
DRAWN BY EFB			FORT PECK DAM—SECOND POWER PLANT			
SUPERVISED BY EFB			MECHANICAL			
APPROVED BY EFB			HEATING AND VENTILATING			
APPROVED BY EFB			FRESH AIR INTAKE—CABLE TUNNEL			
APPROVED BY EFB			SEPTEMBER 1958			
APPROVED BY EFB			SCALE 1/2" = 1'-0"			
APPROVED BY EFB			DRAWING NUMBER			
APPROVED BY EFB			5577.5-G-193			
APPROVED BY EFB			SHEET			
APPROVED BY EFB			OF			

POWERHOUSE AND SWITCHYARD-CONTRACT