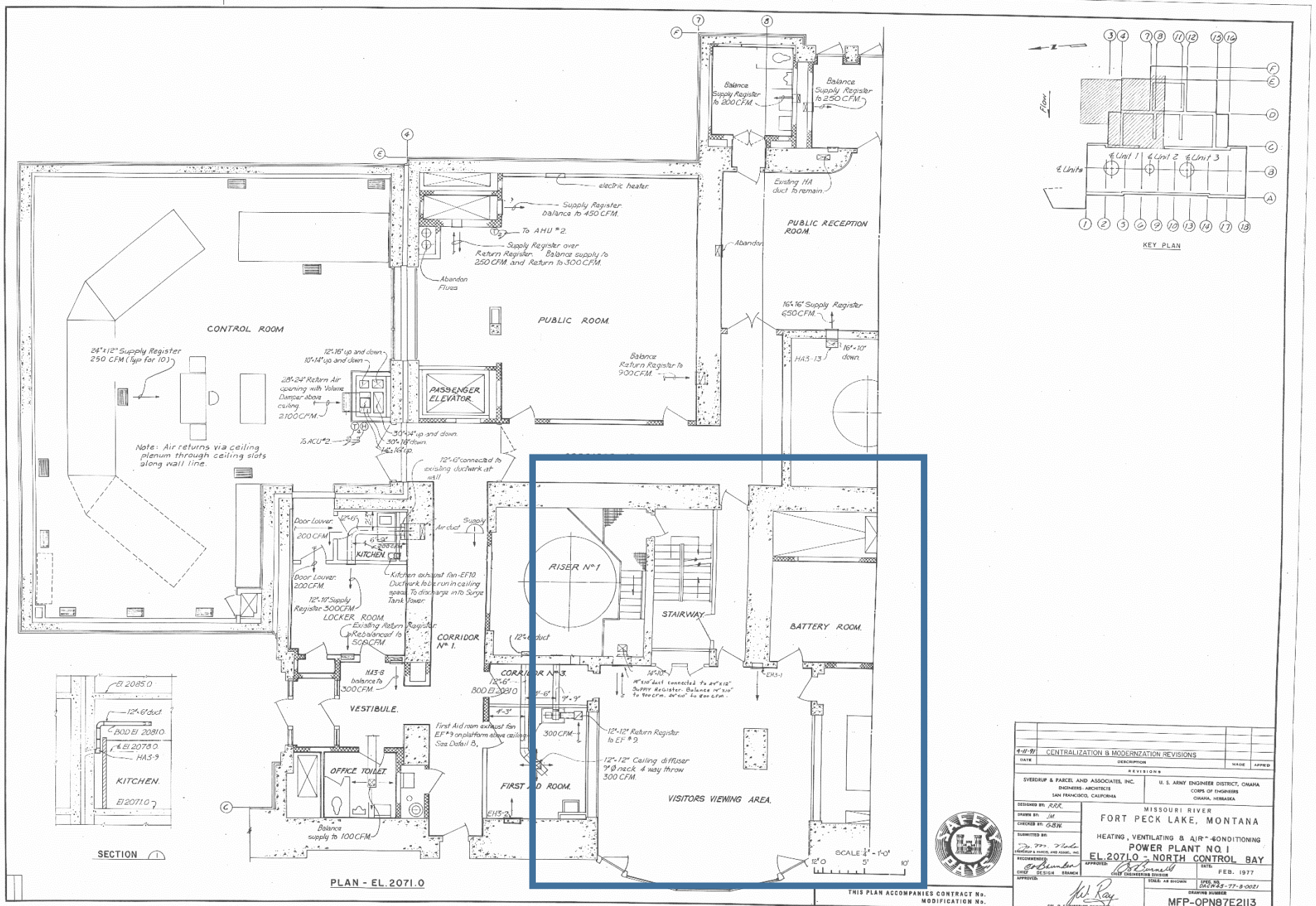

CONTROL ROOM
PUBLIC ROOM
PUBLIC RECEPTION ROOM
PASSENGER ELEVATOR
KITCHEN
LOCKER ROOM
CORRIDOR No. 1
CORRIDOR No. 3
VESTIBULE
OFFICE TOILET
FIRST AID ROOM
RISER No. 1
STAIRWAY
BATTERY ROOM
VISITORS VIEWING AREA
Note: Air returns via ceiling plenum through ceiling slots along wall line.
Balance Supply Register to 200 CFM
Balance Supply Register to 250 CFM
Existing HA duct to remain
Supply Register balance to 450 CFM
To AHU #2
Supply Register over Return Register. Balance supply to 250 CFM and Return to 300 CFM
Abandon Flues
Abandon
16"x16" Supply Register 650 CFM
16"x10" down
HA3-13
Balance Return Register to 900 CFM
24"x12" Supply Register 250 CFM (Typ for 10)
12"x16" up and down
10"x14" up and down
28"x24" Return Air opening with Volume Damper above ceiling 2100 CFM
To ACU #2
30"x14" up and down
30"x16" down
14"x16" up
12"x6" connected to existing ductwork at wall
Door Louver 200 CFM
Air duct
Supply
Kitchen exhaust fan EF10 Ductwork to be run in ceiling space. To discharge into Surge Tank Tower
Door Louver 200 CFM
12"x10" Supply Register 300 CFM
Existing Return Register Rebalanced to 500 CFM
HA3-8 balance to 300 CFM
12"x6" duct
BOD El 2081.0
First Aid room exhaust fan EF #9 on platform above ceiling See Detail B
300 CFM
12"x12" Return Register to EF #9
12"x12" Ceiling diffuser 9" Ø neck 4 way throw 300 CFM
Balance supply to 100 CFM
EH3-1
EH3-2
SCALE 1/4" = 1'-0"
KEY PLAN
Flow
℄ Units
℄ Unit 1
℄ Unit 2
℄ Unit 3
SECTION 1
El 2085.0
12"x6" duct
BOD El 2081.0
El 2078.0
HA3-9
KITCHEN
El 2071.0
PLAN - EL. 2071.0
THIS PLAN ACCOMPANIES CONTRACT No.
MODIFICATION No.
4-11-91
CENTRALIZATION & MODERNZATION REVISIONS
DATE
DESCRIPTION
MADE
APPR'D
REVISIONS
SVERDRUP & PARCEL AND ASSOCIATES, INC.
ENGINEERS - ARCHITECTS
SAN FRANCISCO, CALIFORNIA
U. S. ARMY ENGINEER DISTRICT, OMAHA
CORPS OF ENGINEERS
OMAHA, NEBRASKA
DESIGNED BY: RRR
DRAWN BY: JM
CHECKED BY: GBW
SUBMITTED BY:
RECOMMENDED:
CHIEF DESIGN BRANCH
APPROVED:
CHIEF ENGINEERING DIVISION
APPROVED:
COL. C. E. DISTRICT ENGINEER
MISSOURI RIVER
FORT PECK LAKE, MONTANA
HEATING, VENTILATING & AIR-CONDITIONING
POWER PLANT NO. 1
EL. 2071.0 - NORTH CONTROL BAY
DATE: FEB. 1977
SCALE: AS SHOWN
SPEC. NO. DACW45-77-B-0021
DRAWING NUMBER
SHEET
MFP-OPN87E2113