

1 FIRST FLOOR PLAN - AREA A  
H201A SCALE: 1/8" = 1'-0"

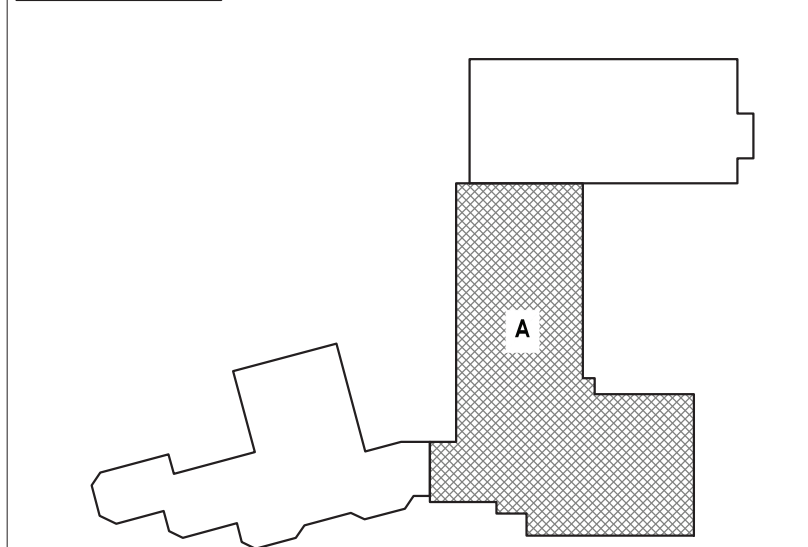
GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL CABINETS AND WINDOW SILL DIMENSIONS PRIOR TO SUBMITTING SHOP DRAWINGS FOR UNIT VENTILATORS.
2. ALL CONTROLS WORK TO BE DONE BY DISTRICT BMS PROVIDER HONEYWELL. CONTACT: BOB GARVEY OR SEAN YATES  
O: 973-455-2503 C: 908-963-0467  
C: 862-579-8821
3. ALL NEW UNIT VENTILATORS, CABINET UNIT HEATERS, CONVECTORS, AND FIN TUBE TO BE INSTALLED DURING PHASE 2.
4. SEE H700 AND H701 FOR THE BOILER ROOM PHASING PLANS.
5. NEW CLASSROOM EXHAUST FAN RELIEF TO BE INSTALLED DURING PHASE 2.
6. EXISTING UV LOUVERS TO REMAIN. ALTERNATE NO. 1, TO REPLACE WITH NEW, PROVIDE INTEL AND MATCH WITH LIKE CONSTRUCTION.

KEY NOTES:

1. FURNISH AND INSTALL NEW UNIT VENTILATOR, TEMPERATURE SENSOR, WALL BOX, AND FIN-TUBE. MODIFY EXISTING CABINETS AS NECESSARY TO FIT NEW UNIT. EXISTING EXTERIOR LOUVER TO REMAIN AND BE REUSED. CONTRACTOR TO CONSTRUCT CHASE WALL BEHIND UNIT TO ACCOMMODATE TRANSITION DUCTWORK.
2. FURNISH AND INSTALL NEW DDC TEMPERATURE SENSOR AND CONTROLS. COORDINATE ALL CONTROLS WORK WITH THE DISTRICTS CONTROLS PROVIDER.
3. FURNISH AND INSTALL NEW DDC TEMPERATURE SENSOR AND CONTROLS. ONE THERMOSTAT SHALL CONTROL THREE UNITS. COORDINATE ALL CONTROLS WORK WITH THE DISTRICTS CONTROLS PROVIDER.
4. FURNISH AND INSTALL NEW FIN TUBE BEHIND EXISTING CABINETRY.
5. FURNISH AND INSTALL NEW CONVECTOR IN EXISTING CONVECTOR LOCATION. MODIFY WALL OPENING AS NECESSARY. PATCH AROUND NEW CONVECTOR AS NECESSARY AND MATCH TO EXISTING WALL.
6. FURNISH AND INSTALL NEW HOT WATER COIL FOR EXISTING FAN COIL UNIT. MANUFACTURER MODEL NUMBER: ENVIOTECH CDH-16. CONFIRM MANUFACTURER AND MODEL NUMBER PRIOR TO ORDERING.
7. RUN NEW REFRIGERANT PIPING FOR NEW COOLING COIL UP TO NEW CONDENSERS ON ROOF ABOVE. SIZE PIPING PER MANUFACTURER'S RECOMMENDATION. NEW REFRIGERANT PIPING TO BE RUN IN NEW PVC PIPE FORTRESS LINE SET COVERS. ROUTE NEW 3/4" CONDENSATE LINE OUT THE BACK OF THE UNIT AND TERMINATE 6" ABOVE GROUND DIRECTED AWAY FROM THE BUILDING.
8. PROVIDE NEW LOUVER OPENINGS. SEE INTEL SCHEDULE ON H900. PATCH WITH LIKE CONSTRUCTION.
9. ALTERNATE MC-01: TO REPLACE EXISTING LOUVER WITH NEW LOUVER. SEE INTEL SCHEDULE ON H900. PATCH WITH LIKE CONSTRUCTION.
10. FURNISH AND INSTALL NEW CABINET UNIT HEATER AIN EXTING CABINET UNIT HEATER LOCATION. MODIFY WALL OPENING AS NECESSARY. PATCH AROUND NEW CABINET UNIT HEATER AS NECESSARY AND MATCH TO EXISTING WALL.

KEY PLAN:



PROJECT INFORMATION

Project Number  
13294.23

Client Name  
SUFFERN CSD

Project Name  
RP CONNOR - BOILER  
CONVERSION

District Office Address  
SUFFERN CENTRAL SCHOOL DISTRICT  
45 MOUNTAIN AVENUE  
HILLBURN, NY 10931

SUFFERN CSD

Rev. Date Description  
1 02/14/2021 02/08/2021

PROJECT ISSUE & REVISION SCHEDULE

Rev. Date Description  
1 7/13/2023 180 ADDENDUM #3

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION DEPARTMENT

F & E VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE  
CONSTRUCTION OF A BUILDING WITHOUT A PERMIT OR WITHOUT A LICENSE  
THE STATE OF NEW YORK HAS A RIGHT TO RECOVER FROM ANY AND ALL PERSONS  
WHOSE NEGLIGENCE OR OTHER TORTIOUS ACTS HAVE CAUSED DAMAGE TO THE  
STATE OF NEW YORK AND THE NEW YORK DEPARTMENT OF EDUCATION HAS A  
RIGHT TO RECOVER FROM ANY AND ALL PERSONS WHOSE NEGLIGENCE OR  
OTHER TORTIOUS ACTS HAVE CAUSED DAMAGE TO THE STATE OF NEW YORK

SHEET INFORMATION

Issue Date  
06/15/2023

Project Status  
CD

Drawn By  
AJS

Checked By  
AJS

Design Title  
FIRST FLOOR HVAC NEW PLANS  
AREA A

Drawing Number  
RPC  
H201A





1. CONTRACTOR SHALL FIELD VERIFY ALL CABINERY AND WINDOW SILL DIMENSIONS PRIOR TO SUBMITTING SHOP DRAWINGS.
2. ALL CONTROLS WORK TO BE DONE BY DISTRICT BMS PROVIDER HONEYWELL  
CONTRACT: BOB GARVEY OR SEAN YATES  
CO: 973-455-2503 CS: 908-963-0467  
CB: 862-579-8821
3. ALL NEW UNIT VENTILATORS, CABINET UNIT HEATERS, CONVECTORS, AND FIN TUBE TO BE INSTALLED DURING PHASE 2.
4. NEW CLASSROOM EXHAUST FAN RELIEF TO BE INSTALLED DURING PHASE 2.
5. EXISTING UV LOUVERS TO REMAIN. ALTERNATE NO. 1 TO REPLACE WITH NEW. PROVIDE INTEL AND MATCH WITH LIKE CONSTRUCTION.

- 1 FURNISH AND INSTALL NEW UNIT VENTILATOR, TEMPERATURE SENSOR, WALL BOX, AND FIN-TUBE. MODIFY EXISTING CABINETY AS NECESSARY TO FIT NEW UNIT. EXISTING EXTERIOR LOUVER TO REMAIN AND BE REUSED. CONTRACTOR TO CONSTRUCT CHASE WALL BEHIND UNIT TO ACCOMMODATE TRANSITION DUCTWORK.
- 2 FURNISH AND INSTALL NEW DDC TEMPERATURE SENSOR AND CONTROLS. COORDINATE ALL CONTROLS WORK WITH THE DISTRICTS CONTROLS PROVIDER.
- 3 FURNISH AND INSTALL NEW FIN TUBE BEHIND EXISTING CABINETY.
- 4 FURNISH AND INSTALL NEW CONVECTOR IN EXISTING CONVECTOR LOCATION. MODIFY WALL OPENING AS NECESSARY. PATCH AROUND NEW CONVECTOR AS NECESSARY AND MATCH TO EXISTING WALL.
- 5 FURNISH AND INSTALL NEW CABINET UNIT HEATER IN EXISTING CABINET UNIT HEATER LOCATION. MODIFY WALL OPENING AS NECESSARY. PATCH AROUND NEW CABINET UNIT HEATERS AS NECESSARY AND MATCH TO EXISTING WALL.
- 6 ALTERNATE MC-01 TO REPLACE EXISTING LOUVER WITH NEW LOUVER. SEE UNTEL SCHEDULE ON H900. PATCH WITH LIKE CONSTRUCTION.
- 7 ALTERNATE MC-02: RUN NEW REFRIGERANT PIPING FOR NEW COOLING COIL UP TO NEW CONDENSERS ON ROOF ABOVE. SIZE PIPING PER MANUFACTURER'S RECOMMENDATION. NEW REFRIGERANT PIPING TO BE RUN IN NEW PVC PIPE WITH STIFFNESS RATING 40.0. COVERS, ROUTE NEW 5/8" CONDENSATE LINE OUT THE BACK OF THE UNIT AND TERMINATE 6" ABOVE GROUND DIRECTED AWAY FROM THE BUILDING.

Project Number  
394 32

Unit Name

## Subject Name

Net Office Address

NORTHERN CENTRAL SCHOOL DISTRICT  
10 MOUNTAIN AVENUE  
MILLBURN, NY 10931

SED #50-04-01-06-0-003-021

## 6/30/2023 8:00 AM

1) 12/2003 2) 12/2003

## NEW YORK STATE EDUCATION STATEMENT

Model	Scale
1 (1.5/2002)	1 (8%) = 1' 0"

Project Status

9

own by

Working Title

RST FL

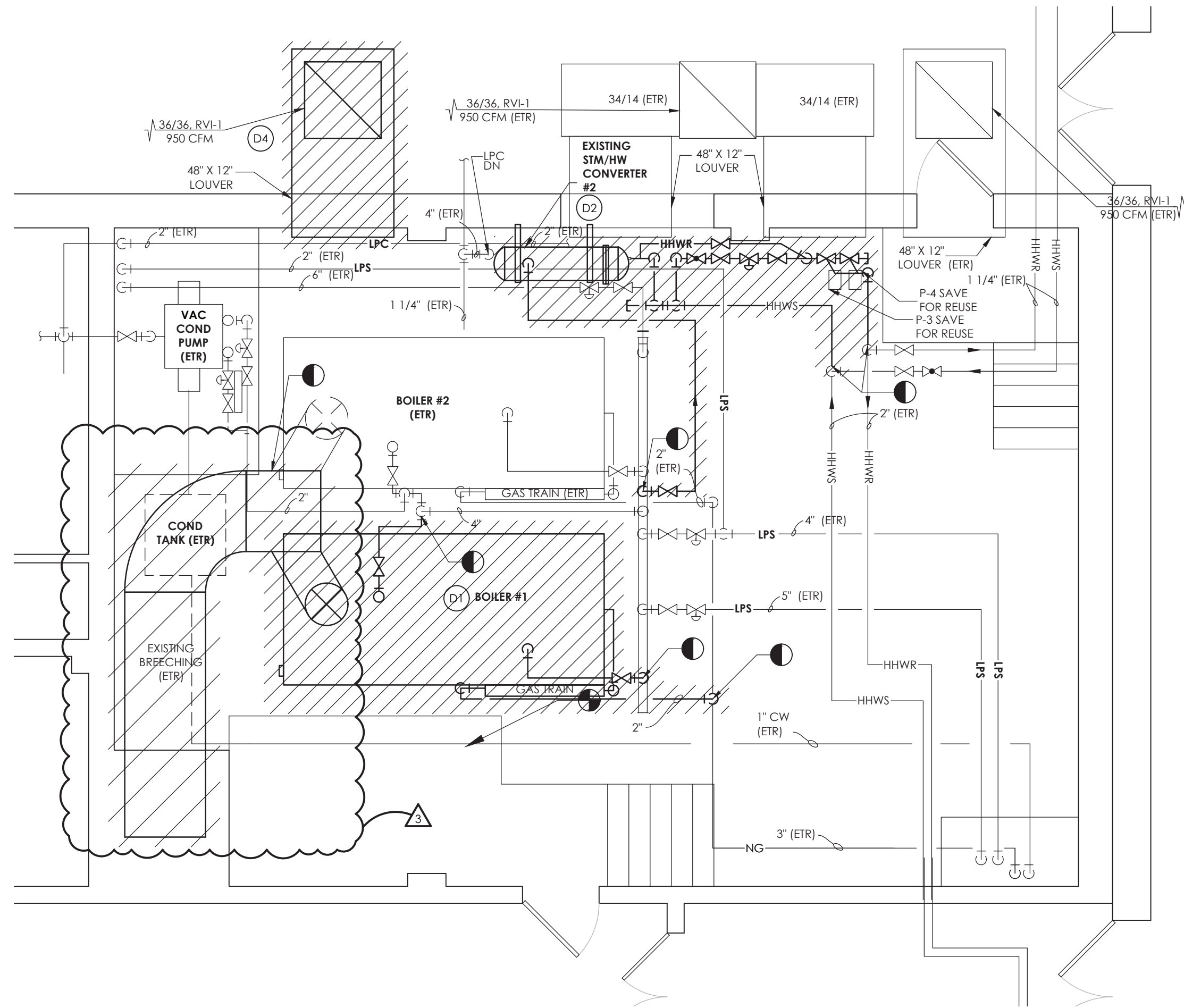
## AREA C

Drawing Number

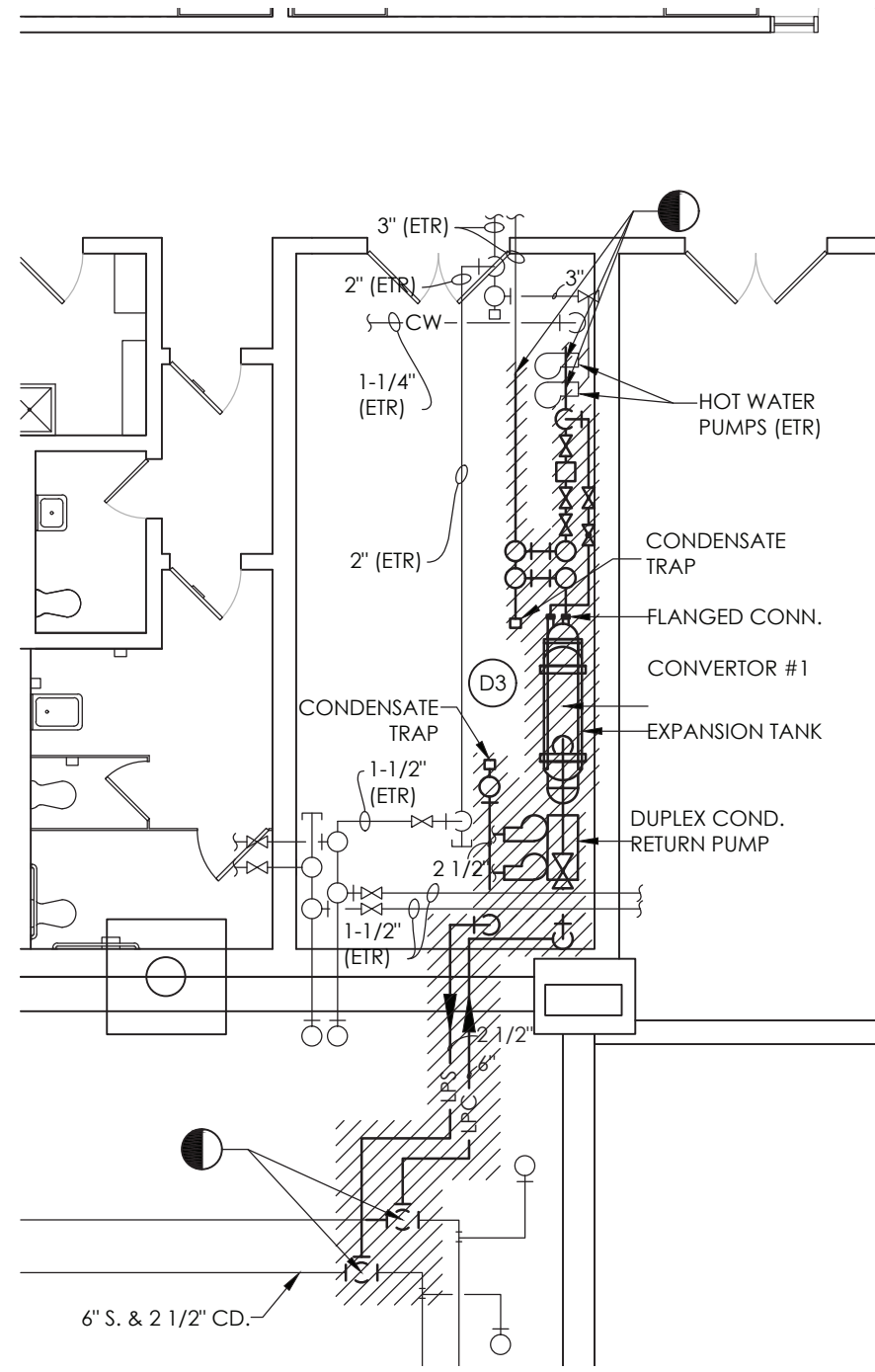
RFC





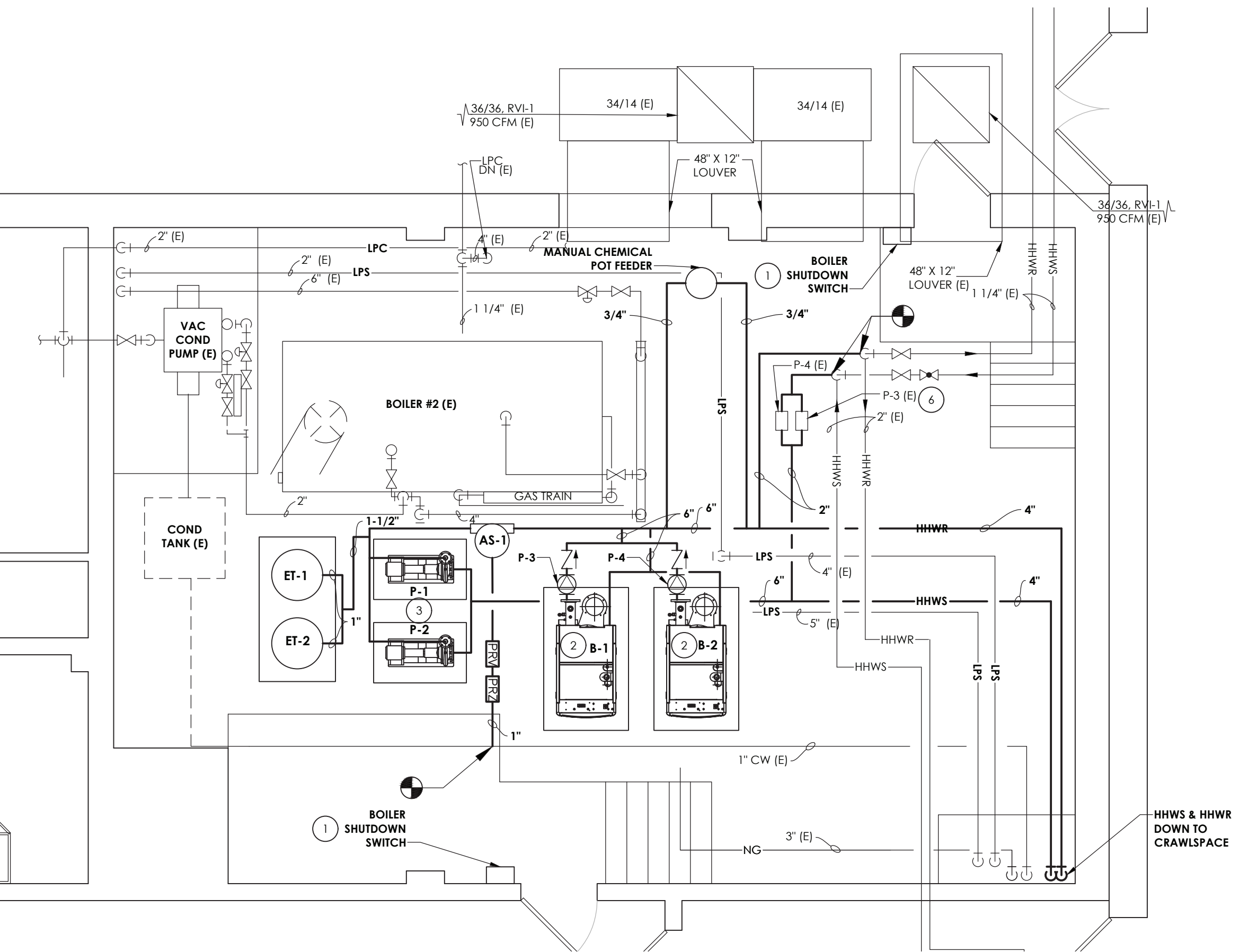


**1 BOILER ROOM DEMOLITION PLAN PHASE 1**  
SCALE: 1/4" = 1'-0"

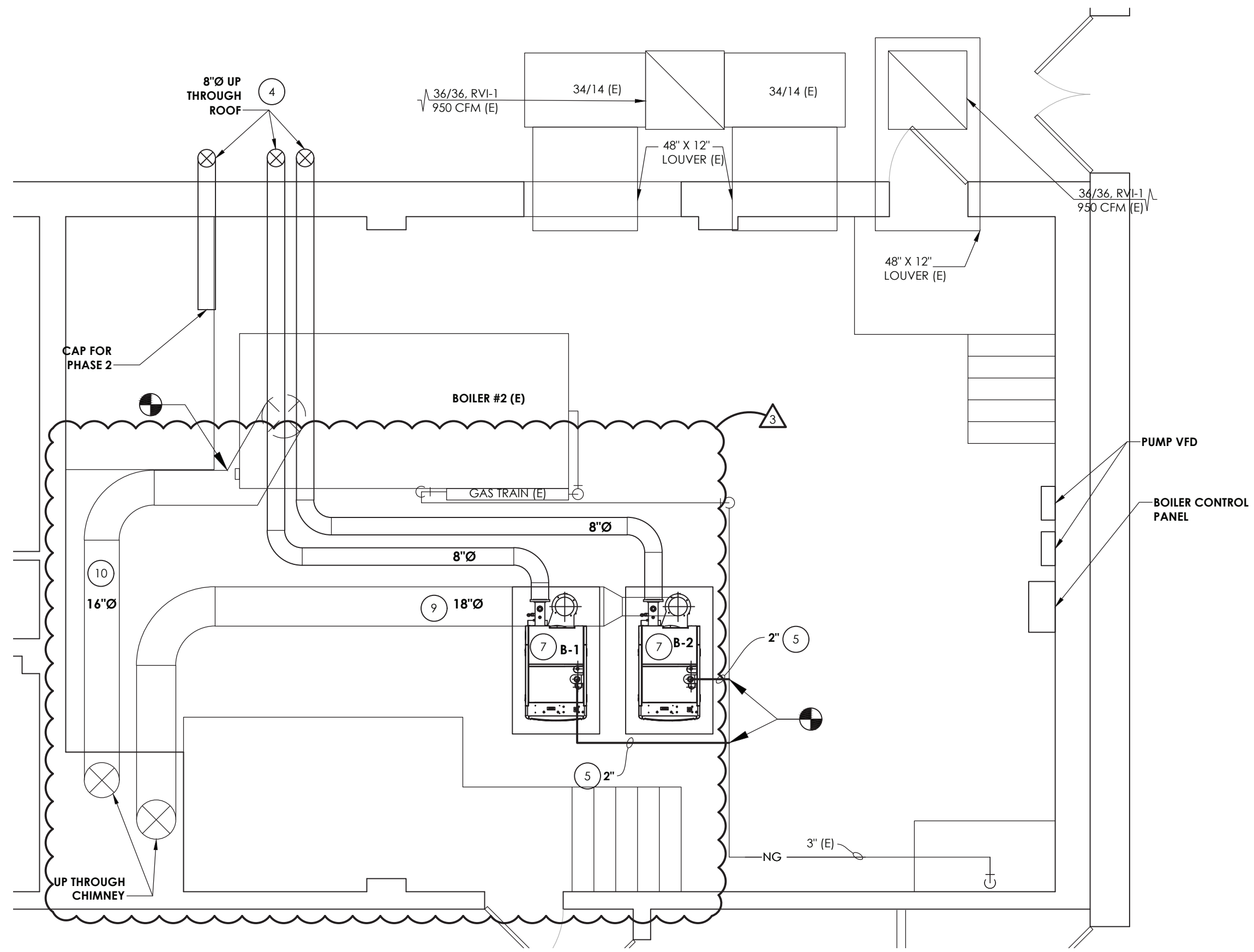


**3 MECHANICAL ROOM DEMOLITION PLAN PHASE 1**  
SCALE: 1/4" = 1'-0"

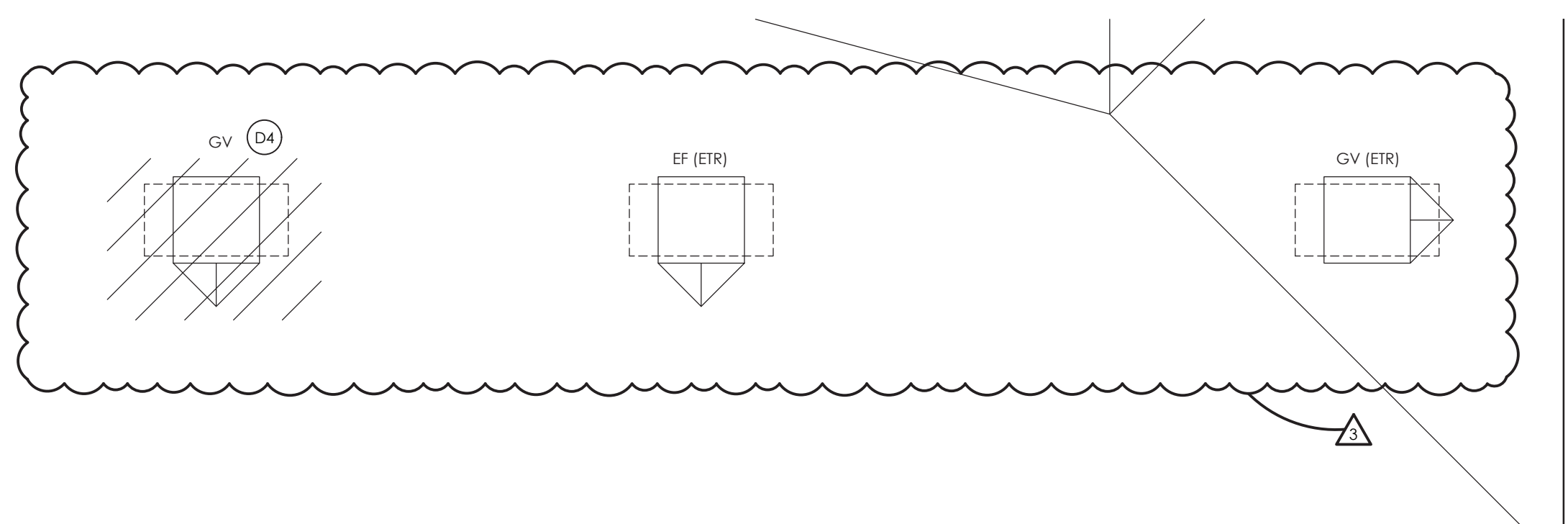
**4 MECHANICAL ROOM NEW WORK PLAN PHASE 1**  
SCALE: 1/4" = 1'-0"



**2 BOILER ROOM NEW WORK PIPING PLAN PHASE 1**  
SCALE: 1/4" = 1'-0"



**5 BOILER ROOM NEW WORK GAS, BREECHING, AND COMBUSTION AIR PLAN PHASE 1**  
SCALE: 1/4" = 1'-0"



**6 ROOF DEMOLITION PLAN PHASE 1**  
SCALE: 1/4" = 1'-0"

#### GENERAL NOTES:

- ALL CONTROLS WORK TO BE DONE BY DISTRICT BMS PROVIDER HONEYWELL.  
CONTACT: BOB GARVEY OR SEAN YATES  
O: 973-455-2503 C: 908-963-0467  
C: 862-579-8821
- BOILER 2 AND EXISTING STEAM SYSTEM TO REMAIN OPERATIONAL DURING PHASE 1. NEW HOT WATER PIPING TO BE RUN THROUGHOUT THE BUILDING IN PREPARATION OF PHASE 2.

#### DEMOLITION KEY NOTES:

- REMOVE EXISTING BOILER 1 IN ITS ENTIRETY INCLUDING GAS TRAIN, ALL PIPING TO POINTS INDICATED, AND EXHAUST FLUE BACK AND BREECHING IN ITS ENTIRETY.
- REMOVE EXISTING STEAM TO HOT WATER HEAT EXCHANGER IN ITS ENTIRETY INCLUDING ALL STEAM AND CONDENSATE PIPING BACK TO MAINS. REMOVE HOT WATER PIPING BACK TO POINT INDICATED. CLEAN AND SAVE EXISTING HOT WATER PUMPS P-3 AND P-4 TO BE REUSED.
- REMOVE EXISTING STEAM TO HOT WATER HEAT EXCHANGER IN ITS ENTIRETY INCLUDING ALL STEAM AND CONDENSATE PIPING BACK TO MAINS AND CAP. STEAM PIPING TO BE MAINTAINED OPERATIONAL DURING PHASE 1. CLEAN AND SAVE EXISTING HOT WATER PUMPS TO BE REUSED.
- REMOVE EXISTING OUTDOOR AIR LOUVER, DUCTWORK AND GRAVITY VENT ON ROOF. EXISTING OPENING TO BE REUSED AS RESIZED FOR NEW COMBUSTION AIR OPENINGS. MAINTAIN ALL ROOF WARRANTIES.

#### KEY NOTES:

- PROVIDE NEW BOILER SHUTDOWN SWITCH AT BOILER ROOM EXITS.
- INSTALL NEW BOILERS IN LOCATION SHOWN. PROVIDE NEW 6" CONCRETE HOUSEKEEPING PAD.
- INSTALL NEW HOT WATER HEATING PUMPS. PROVIDE NEW 6" HOUSEKEEPING PAD.
- PROVIDE 8" COMBUSTION AIR DUCT FROM EACH BOILER UP THROUGH ROOF. TERMINATE ON ROOF WITH GOOSENECK AND BIRDSCREEN. MODIFY AND USE EXISTING COMBUSTION AIR OPENINGS IF POSSIBLE. SEAL ALL UNUSED OPENING WITH LIKE CONSTRUCTION. MAINTAIN ALL ROOF WARRANTIES.
- PROVIDE NEW VENT FOR GAS REGULATORS PER MANUFACTURER'S RECOMMENDATION.
- REUSE EXISTING PUMPS FOR GYM LOOP.
- PROVIDE CONDENSATE DRAIN PIPING WITH NEUTRALIZATION KIT AND ROUTE TO NEAREST FLOOR DRAIN.
- REUSE EXISTING HOT WATER PUMPS SERVING AREA B AND CONNECT TO NEW HOT WATER PIPING.
- INSTALL NEW 18" FLUE AND ROUTE TO NEW BOILERS. RUN NEW 18" FLUE UP THROUGH EXISTING CHIMNEY AND TERMINATE WITH VENT CAP AND BIRD SCREEN.
- PROVIDE NEW 16" EXHAUST FLUE FOR EXISTING BOILER 2. CONNECT TO EXISTING FLUE AND RUN NEW FLUE UP THROUGH EXISTING CHIMNEY AND TERMINATE WITH VENT CAP AND BIRD SCREEN.

#### PROJECT INFORMATION

Project Number: 13294.23

Client Name: SUFFERN CSD

Project Name: RP CONNOR - BOILER CONVERSION

District Office Address: SUFFERN CENTRAL SCHOOL DISTRICT  
45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

Project Date: 06/15/2023

Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

Project Description: BOILER CONVERSION

Project Drawn By: BOA

Project Checked By: XXX

Project Scale: 1/4" = 1'-0"

Project Date: 06/15/2023

Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

Project Description: BOILER CONVERSION

Project Drawn By: BOA

Project Checked By: XXX

Project Scale: 1/4" = 1'-0"

Project Date: 06/15/2023

Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

Project Description: BOILER CONVERSION

Project Drawn By: BOA

Project Checked By: XXX

Project Scale: 1/4" = 1'-0"

Project Date: 06/15/2023

Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

Project Description: BOILER CONVERSION

Project Drawn By: BOA

Project Checked By: XXX

Project Scale: 1/4" = 1'-0"

Project Date: 06/15/2023

Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

Project Description: BOILER CONVERSION

Project Drawn By: BOA

Project Checked By: XXX

Project Scale: 1/4" = 1'-0"

Project Date: 06/15/2023

Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

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HILLBURN, NY 10951

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HILLBURN, NY 10951

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Project Date: 06/15/2023

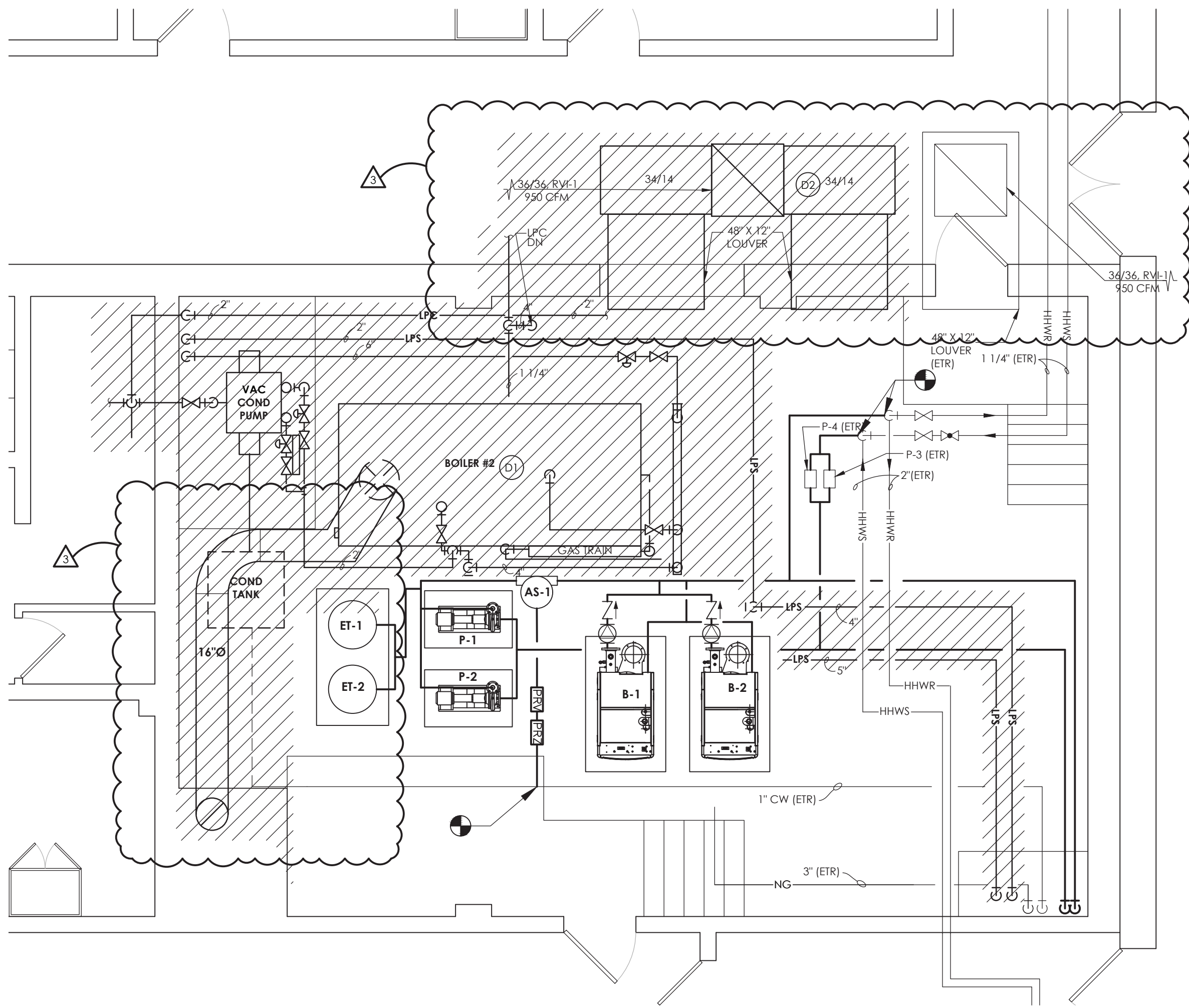
Project Status: CD

Project Location: 45 MOUNTAIN AVENUE  
HILLBURN, NY 10951

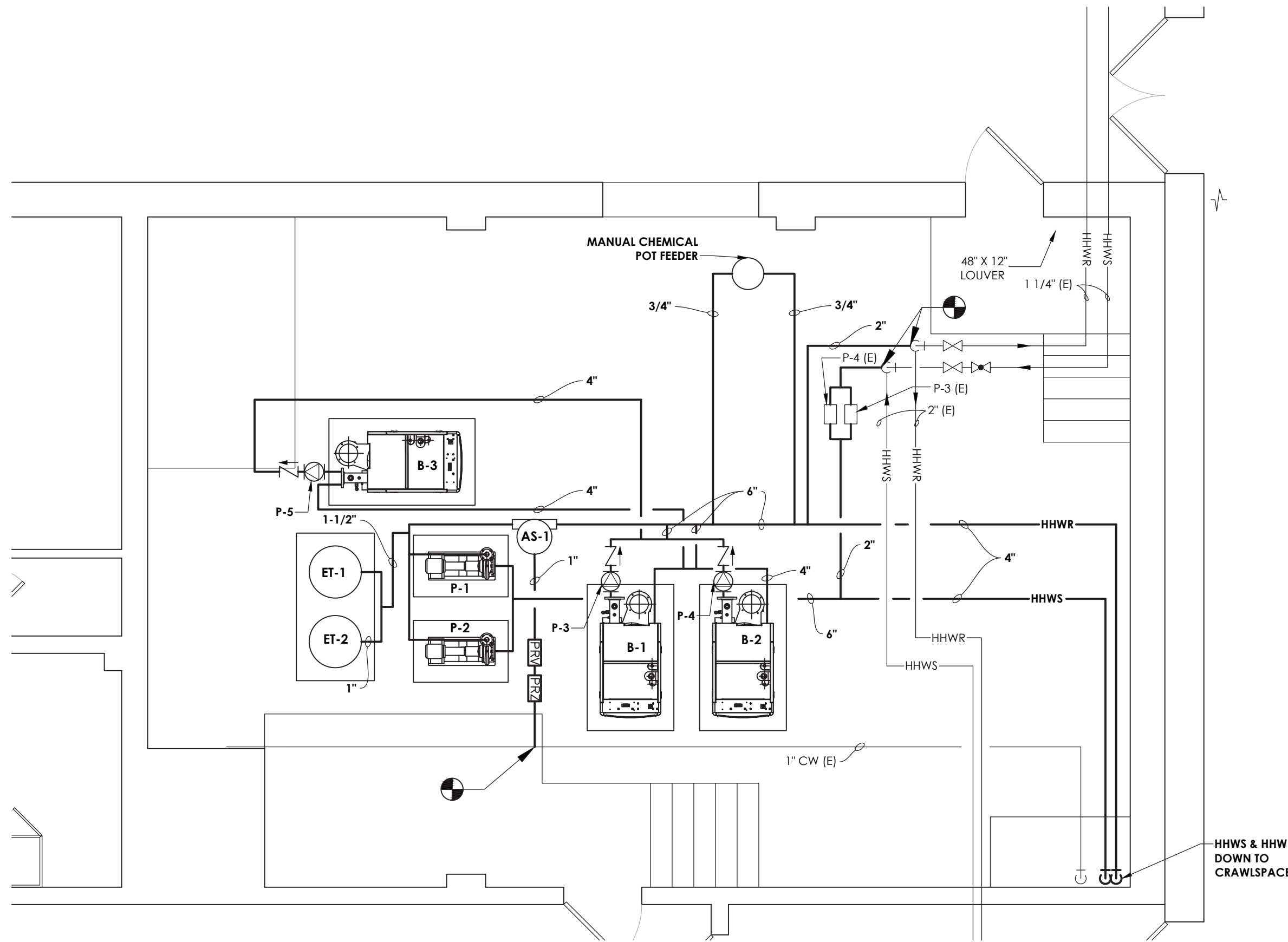
Project Description: BOILER CONVERSION

Project Drawn By: BOA

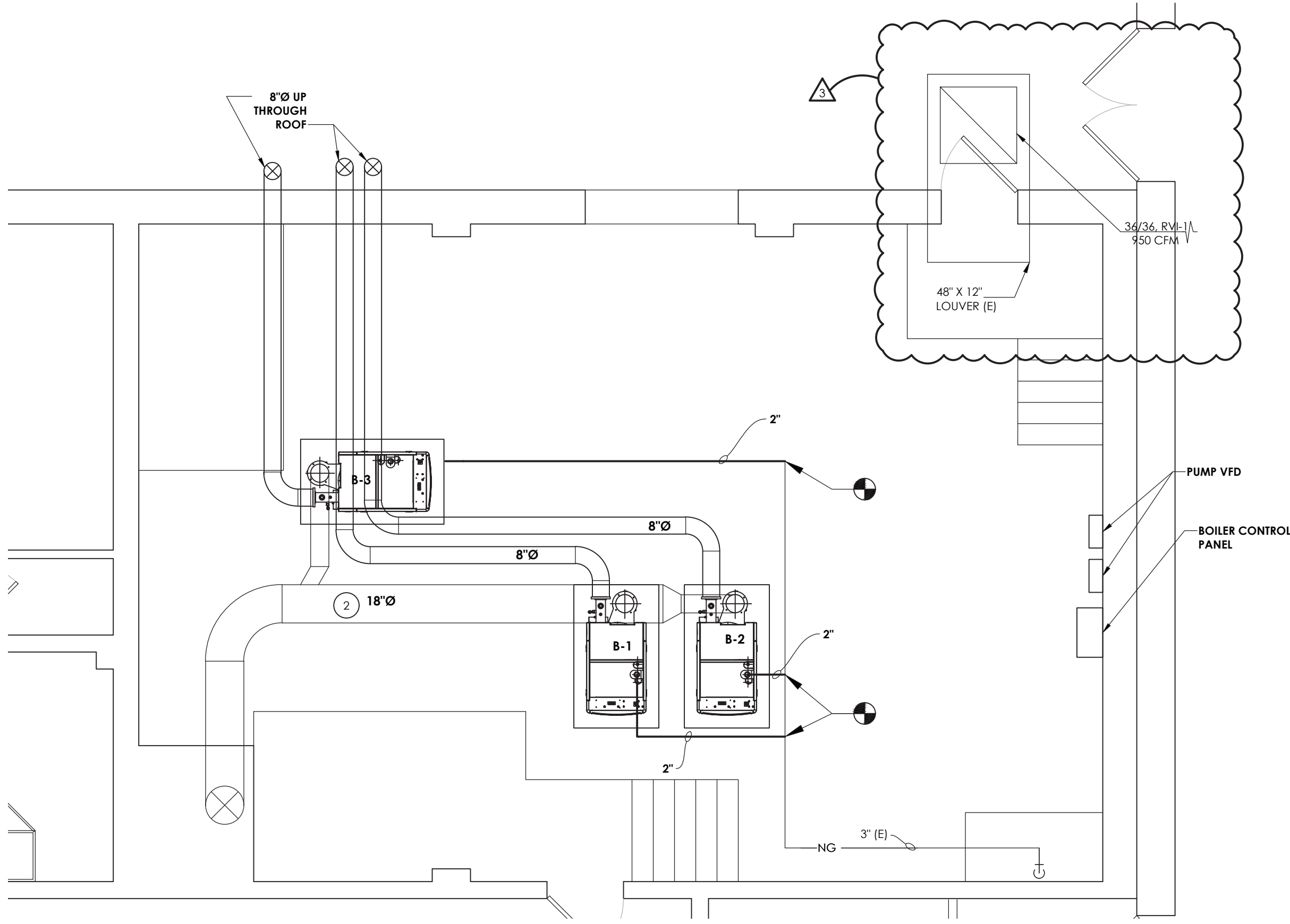




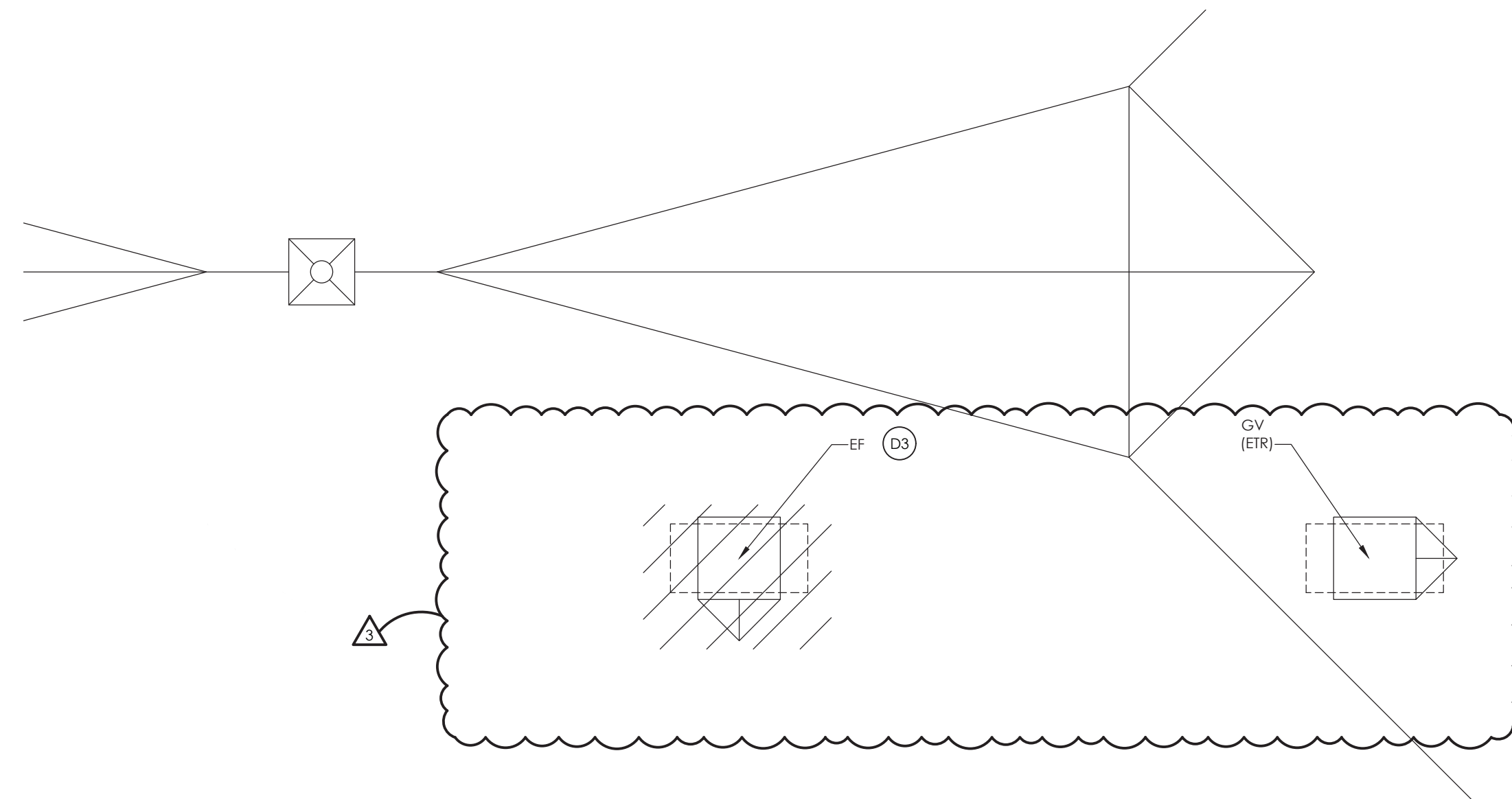
1  
H701  
BOILER ROOM DEMOLITION PLAN PHASE 2  
SCALE: 1/4" = 1'-0"



2  
H701  
BOILER ROOM NEW WORK PIPING PLAN PHASE 2  
SCALE: 1/4" = 1'-0"



3  
H701  
BOILER ROOM NEW WORK GAS, BREECHING, AND COMBUSTION AIR PLAN PHASE 2  
SCALE: 1/4" = 1'-0"



4  
H701  
BOILER ROOM ROOF DEMO PLAN  
SCALE: 1/4" = 1'-0"

#### GENERAL NOTES:

- ALL CONTROLS WORK TO BE DONE BY DISTRICT BMS PROVIDER HONEYWELL.  
CONTACT: BOB GARVEY  
O: 973-455-2503  
C: 862-579-8821
- OR SEAN YATES  
C: 908-963-0467

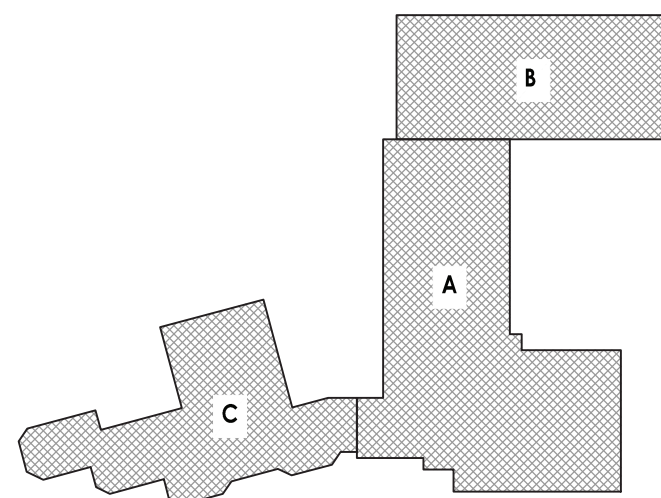
#### DEMOLITION KEY NOTES:

- REMOVE EXISTING BOILER 2 IN ITS ENTIRETY INCLUDING GAS TRAIN, STEAM PIPING AND HEADER, CONDENSATE AND VACUUM PUMPS, AND BOILER BREECHING. BOILER FLUE INSTALLED DURING PHASE 1 TO REMAIN.
- REMOVE REMAINING COMBUSTION AIR LOUVERS, DUCTWORK, EXHAUST FAN ON ROOF. SEAL ALL UNUSED OPENING WITH LIKE CONSTRUCTION. MAINTAIN ALL ROOF WARRANTIES.
- REMOVE EXISTING EXHAUST FAN AND DUCTWORK IN ITS ENTIRETY. PATCH AND FILL ROOF PENETRATION. MAINTAIN ALL EXISTING ROOF WARRANTIES.

#### KEY NOTES:

- INSTALL NEW BOILER B-3 AND CONNECT TO NEW HOT WATER SYSTEM. SEE PHASE 1 DRAWINGS FOR BOILER INSTALLATION NOTES.
- INSTALL NEW 8" FLUE FROM BOILER B-3 AND CONNECT TO NEW 18" BOILER BREECHING INSTALLED DURING PHASE 1. RUN 18" BREECHING UP THROUGH EXISTING CHIMNEY.

#### KEY PLAN:



TRUE  
NORTH

#### SHEET INFORMATION

Issue: 06/15/2023  
Project Status: CD  
Drawn By: BOM  
Checked By: XXX  
Drawing Title: PHASE 2 BOILER ROOM DEMOLITION AND NEW WORK PLANS  
Drawing Number: RPC H701