



Addendum No.: 3

Date Of Addendum: 5/21/2019

CT DAS • Construction Services • Office of Legal Affairs, Policy, and Procurement

Rooftop A/C & Roof Replacement
300 Corporate Place
Rocky Hill, CT
BI – 2B – 387

Original Bid Due Date / Time:

June 12, 2019

1:00 PM

Previous Addendums: Addendum #2 dated 5/15/2019, Addendum #1 dated 5/14/2019

TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated 02/04/2019. Prospective Bid Proposers **shall** acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form.

Failure to acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form **shall** subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1:

Office of the Chief State's Attorney (OCSA) security requirements:

"All contractors working within/on the building will be required to undergo a background check and be fingerprinted and at a State Police facility prior to arriving on site for work. Acceptance/rejection will be at the sole discretion of the Chief State's Attorney. There is no cost to the contractor for the process." There are no forms to fill out in advanced; the OCSA will provide a letter for each employee/contractor to take with them to the State Police in Middletown and results will be send back to OCSA. The OCSA reserves the right to deny access based on results.

Item 2:

In Section 23 09 93, Paragraph 1.09 add the following:

- A. Existing unit AC-5 was installed under project BI-2B-452 is operating utilizing packaged controls. Under this scope of work, AC-5 BACnet interface shall be tied into the new BMS system. Refer to sequence of operations below for integration and control of AC-5.

Item 3:

In Section 23 09 93, Paragraph 1.22 add the following:

- A. Existing unit AC-5 to be installed under separate project BI-2B-452 and is operating utilizing packaged controls. Under this scope of work, AC-5 BACnet interface shall be tied into the new BMS system. Refer to sequence of operations below for integration and control of AC-5.

Item 4:

In Section 23 74 13, Paragraphs 1.12-1.24, regarding the requirements for AC-5,

DELETE: Paragraphs 1.12-1.24.

SUBSTITUTE: No substitutions.

Item 5:

Contract Drawings M-103 and E-103:

Revise Contract Drawings M-103 and E-103 with attached sketches **SKE-01** and **SKM-01** for location of TCP (Temperature Control Panel) in office 369 in order to provide proper clearances.



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Item 6:

CLARIFICATION: Dashed line on E-101A and M-101A indicates extent of Supplemental Bid #1, see legend on A-101A for reference.

Item 7:

See attached to SKE-02 at Supplemental Bid #1 (Bid Documents E-101A) updated note references for extent of work and branch circuit notes.

Item 8:

Contract Drawings MD-104, M-101, M-104, ED-104, E-104, E-401, PD-103, PD-104, P-103, P-104, P-204
Revise Contract Drawings with attached sketches SKM-02, SKM-03, SKM-04, SKE-03, SKE-04, SKE-05, SKP-01, SKP-02, SKP-03, SKP-04, SKP-05 and SKP-06 for removal of all work associated with rooftop unit AC-5.
AC-5 is being replaced under BI-2B-452 – Coordination between project BI-2B-387 and BI-2B-452 may be required.

Item 9:

Contract Drawing M-004
Detail 5/M-004 for reference only, existing AC-5 to remain.

Item 10:

Contract Drawing M-005
Detail 3/M-005 Unit AC-5 and all associated ductwork, piping controls are existing to remain and shown for reference only.

Item 11:

Contract Drawing M-302
DELETE: Rooftop Units (Continued) Note 9. AC-5 shall be provided with VFD Compressors, Staged low heat and enhanced dehumidification mode.
SUBSTITUTION: Rooftop Units (Continued) Note 9. AC-5 is existing to remain and noted for reference only.

Item 12: RFI

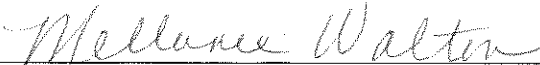
Question: Specification section 23 09 00 "Instrumentation and Control for HVAC Systems" states that the existing Delta Control System can either be expanded upon or replaced.

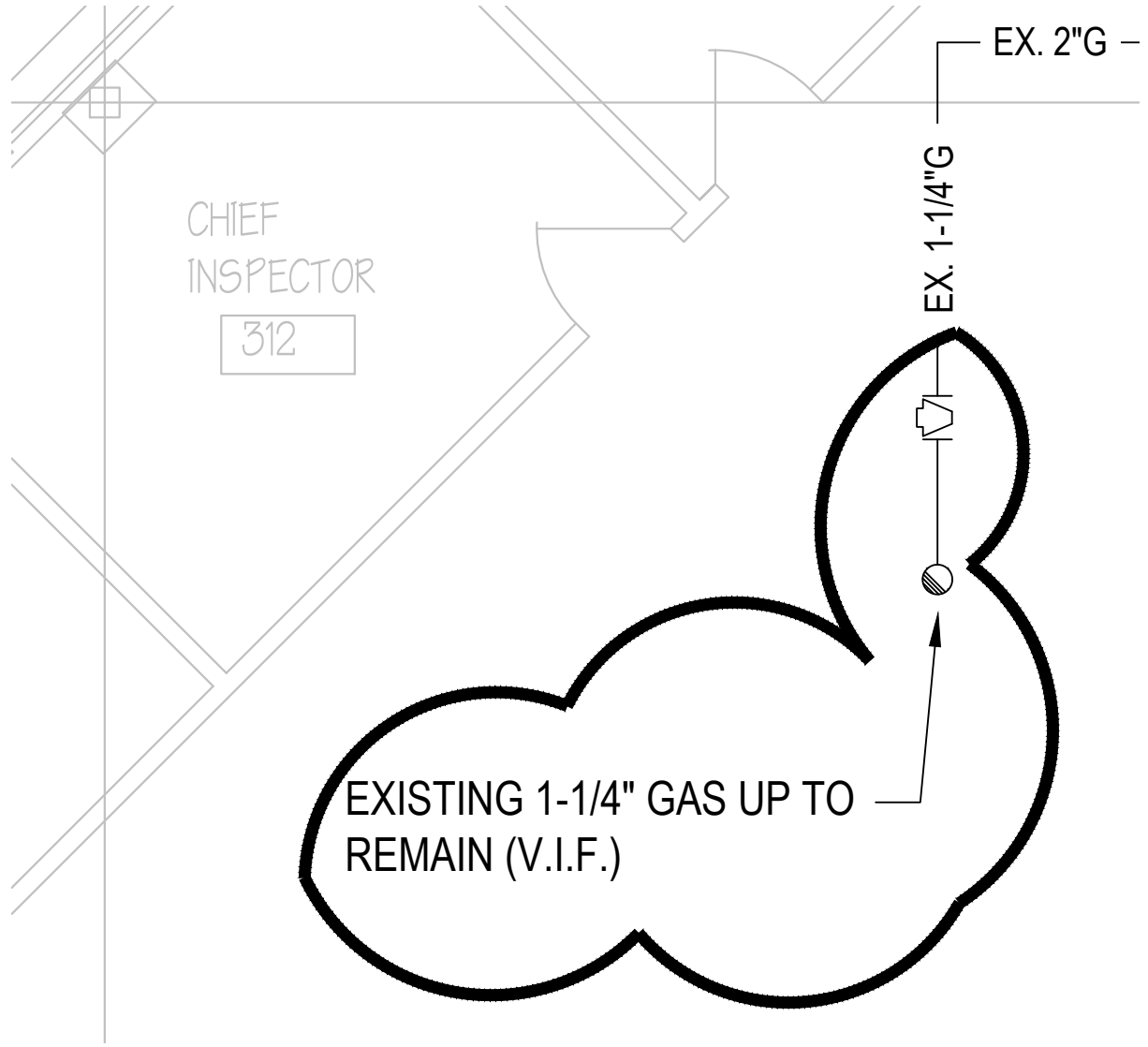
- a. Will the as-built documentation for the existing Delta Control System be made available to all bidders? As-built documentation will be needed to accurately determine what equipment needs to remain under control during demolition, along with any existing equipment not indicated on the project drawings need to be controlled.
- b. During the pre-bid walk-through it was noticed that a few wall mounted temperature sensors were not shown on the project drawings. Are these to remain or will they be demolished during demolition?

Answers: from Kohler Ronan Engineers

- a. No As-Built documentation for the existing Delta Control System is available.
- b. Control contractor to provide new DDC control system per specification section 23 09 00, including upgrades and installation of new sensors to replace the existing DDC control system.

End of Addendum 3


Mellanee Walton, Associate Fiscal Administrative Officer
State of Connecticut
Department of Administrative Services, Construction Services
Office of Legal Affairs, Policy, and Procurement
450 Columbus Boulevard, Suite 1302
Hartford, CT 06103



CHIEF
INSPECTOR
312

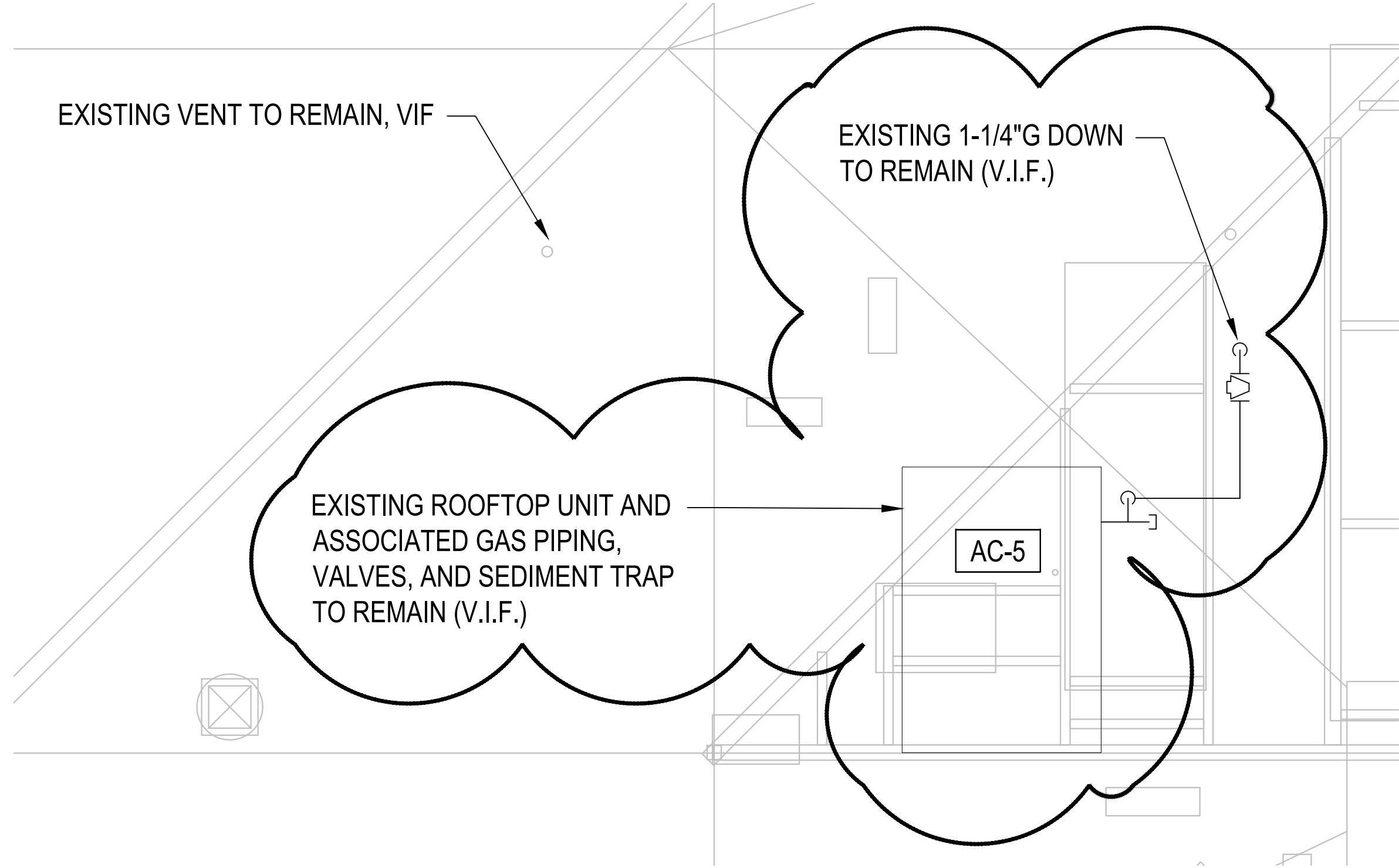
EXISTING 1-1/4" GAS UP TO
REMAIN (V.I.F.)

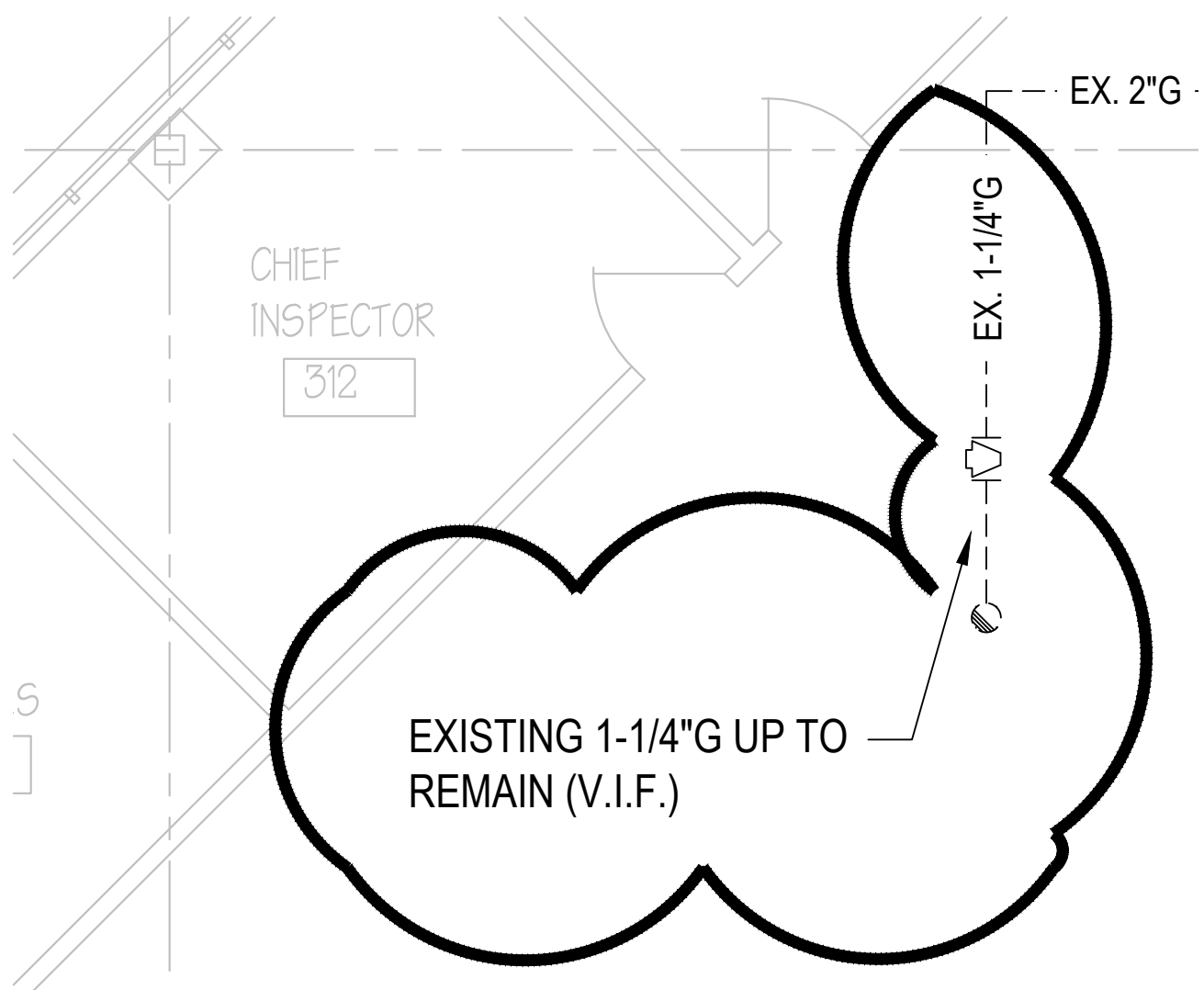
EX. 1-1/4" G
EX. 2" G -

OokPark Architects LLC
312 Park Rd West Hartford CT 06119 www.opaarch.com 860.232.6644
KOHLER RONAN, LLC
 93 LAKE AVENUE
 DANBURY, CT 06810

ADDENDUM #3
**ROOF TOP A/C UNIT AND
 ROOF REPLACEMENT**
 300 CORPORATE PLACE, ROCKY HILL, CT
 Project No. BI-2B-387

MAY 17, 2019
SKP-01
 DRAWING REF: PD-103





CHIEF
INSPECTOR
312

EX. 2"G

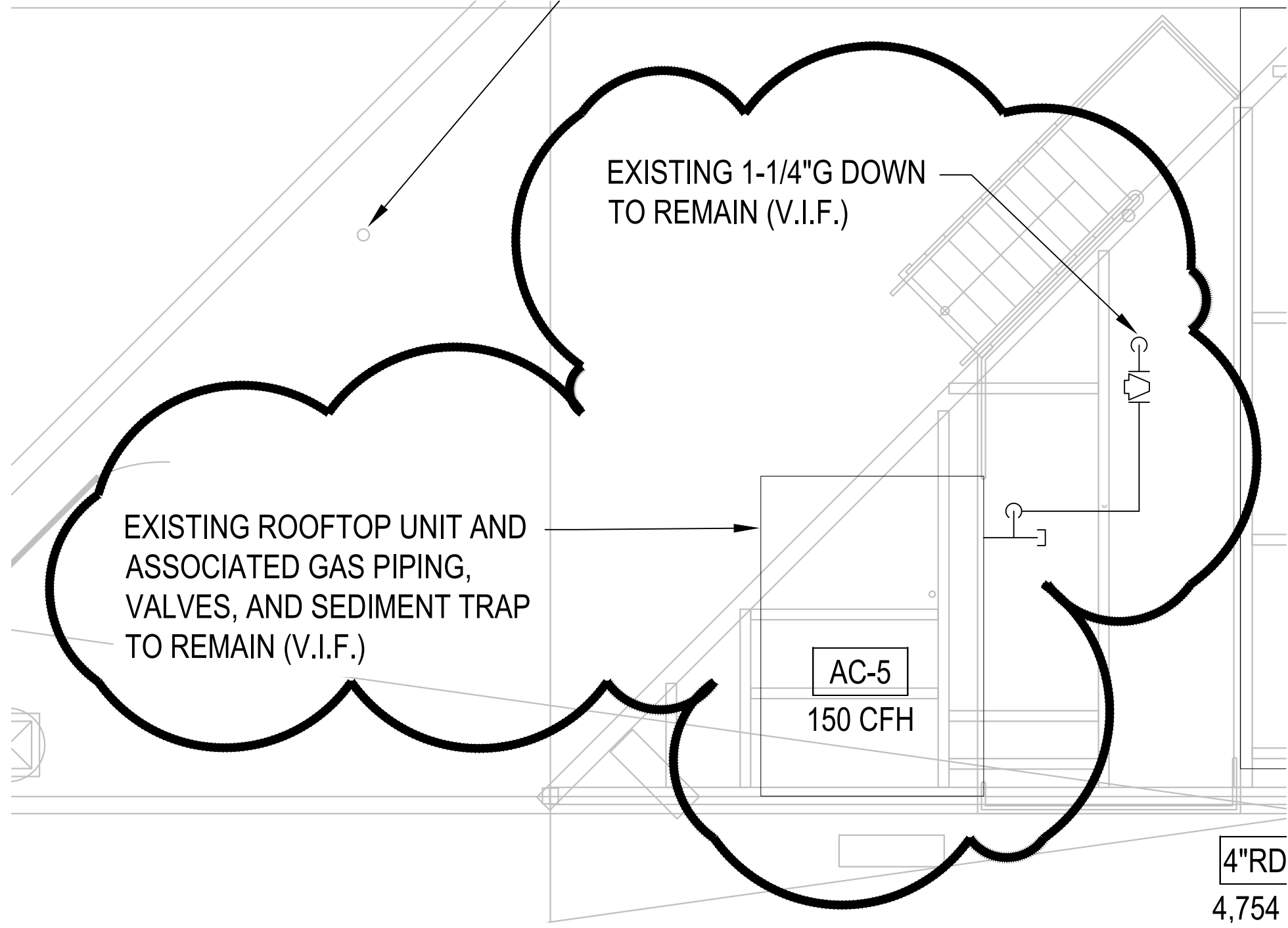
EX. 1-1/4"G

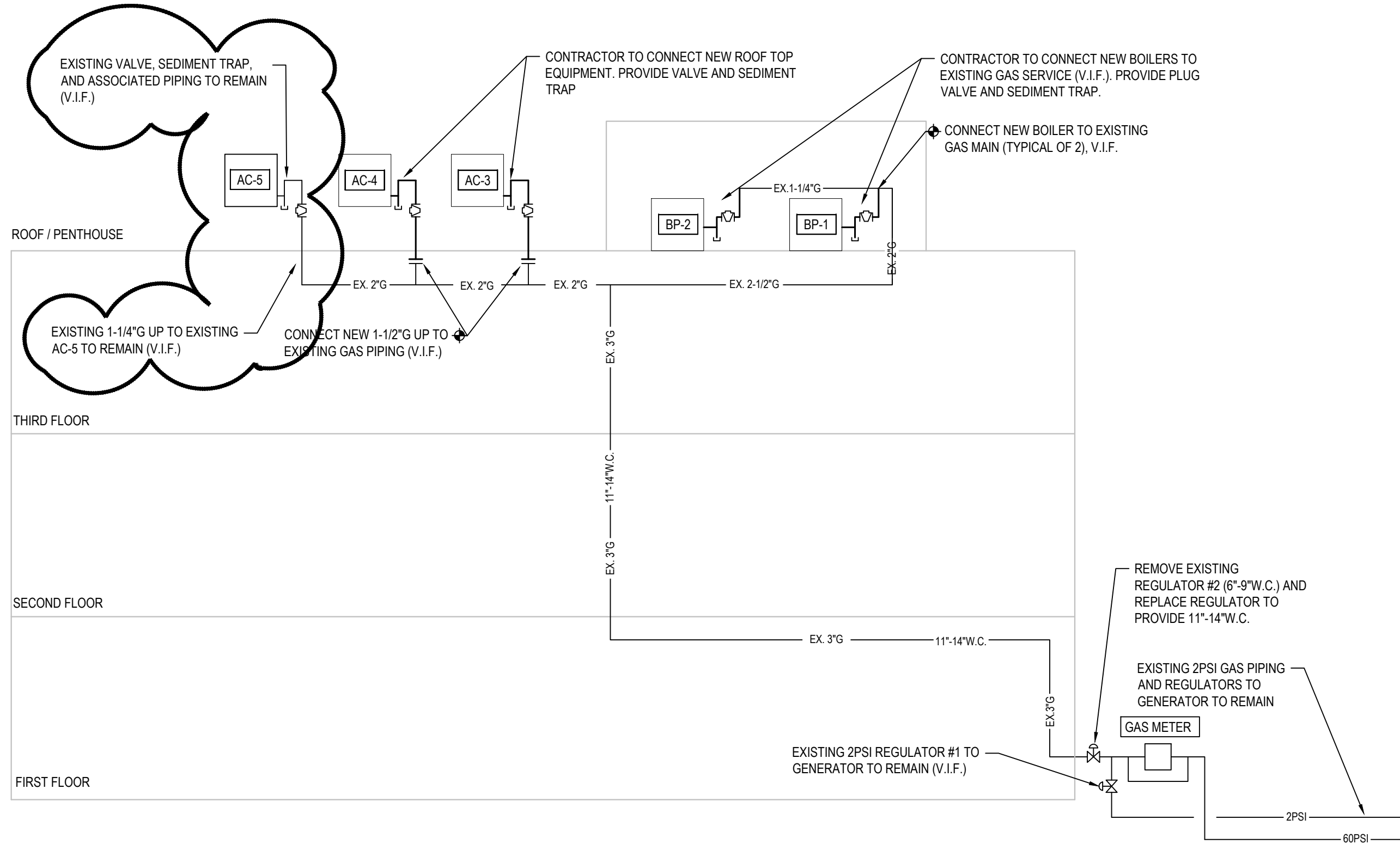
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MAY 17, 2019
SKP-03
 DRAWING REF: P-103





ROOF / PENTHOUSE

THIRD FLOOR

SECOND FLOOR

FIRST FLOOR

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GAS METER ASSEMBLY

CONNECTED LOADS

EXISTING GAS EQUIPMENT:

GENERATOR (EXISTING TO REMAIN) =	1,373 CFH
BOILER #1=	375 CFH
BOILER #2=	375 CFH
BOILER #3=	375 CFH
BOILER #4=	375 CFH
AC-3=	500 CFH
AC-4=	500 CFH
AC-5 (EXISTING TO REMAIN) =	150 CFH

TOTAL (EXISTING) **4,023** CFH TOTAL CONNECTED LOAD @ 2 PSI DELIVERY PRESSURE

EXISTING & NEW GAS EQUIPMENT:

GENERATOR (EXISTING)=	1,373 CFH
BOILER #1 =	750 CFH
BOILER #2 =	750 CFH
AC-3 =	500 CFH
AC-4=	500 CFH
AC-5 (EXISTING) =	150 CFH

TOTAL (NEW & EXISTING) **4,023** CFH TOTAL CONNECTED LOAD @ 11"-14"W.C. DELIVERY PRESSURE

TOTAL (CHANGE IN LOAD) 0 CFH

GAS NOTES

- PRESSURE REGULATOR #1 SET AT 2PSI - SERVES GENERATOR
- PRESSURE REGULATOR #2 SET AT 6"-9"W.C. - SERVES ROOFTOP EQUIPMENT AND BOILERS.
- EXISTING REGULATOR #1 IS TO REMAIN
- EXISTING REGULATOR #2 (6"-9"W.C.) SERVING EXISTING BOILERS AND ROOFTOP EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW REGULATOR THAT WILL PROVIDE 11"-14"W.C. @ **4,023** CFH. CONTRACTOR TO COORDINATE REGULATOR REPLACEMENT WITH CONNECTICUT NATURAL GAS COMPANY A MINIMUM OF THREE (3) WEEKS PRIOR TO STARTING WORK.

MAY 17, 2019

SKP-06

DRAWING REF: P-204

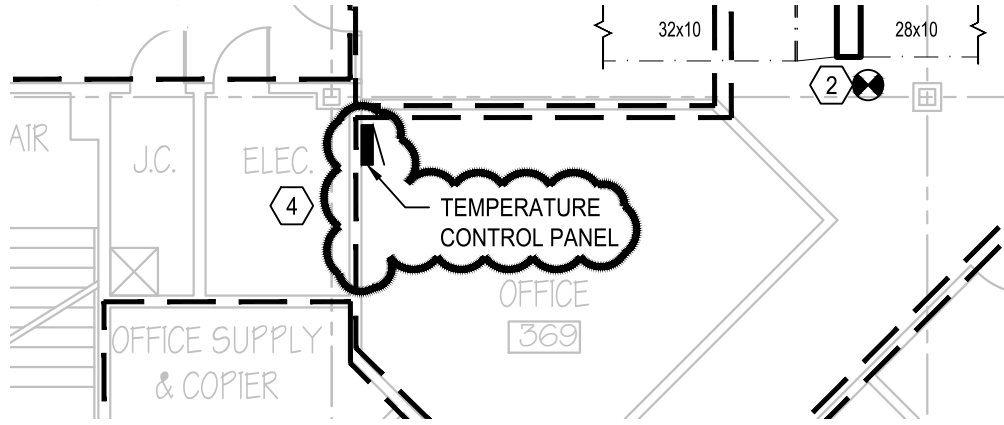
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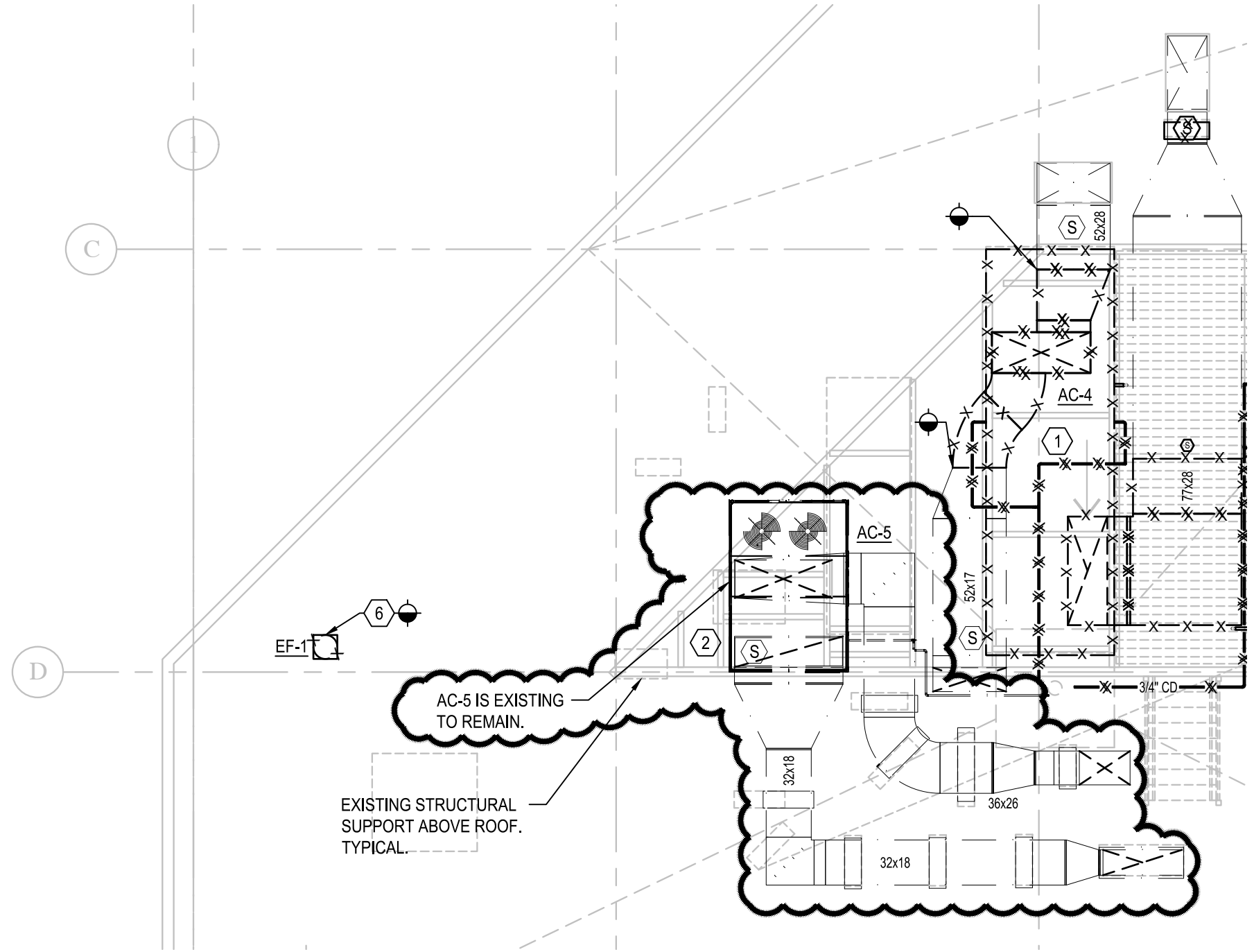
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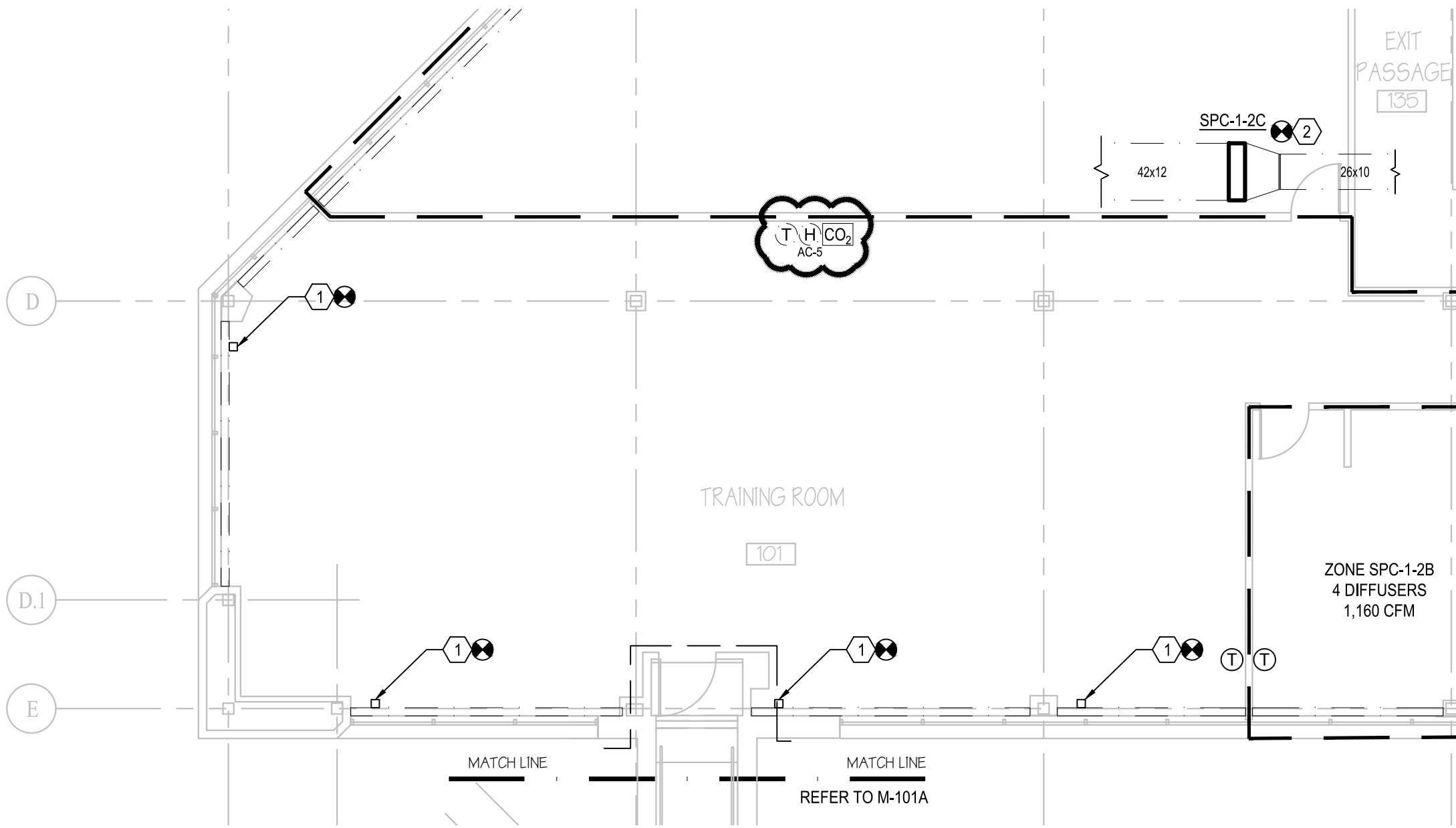
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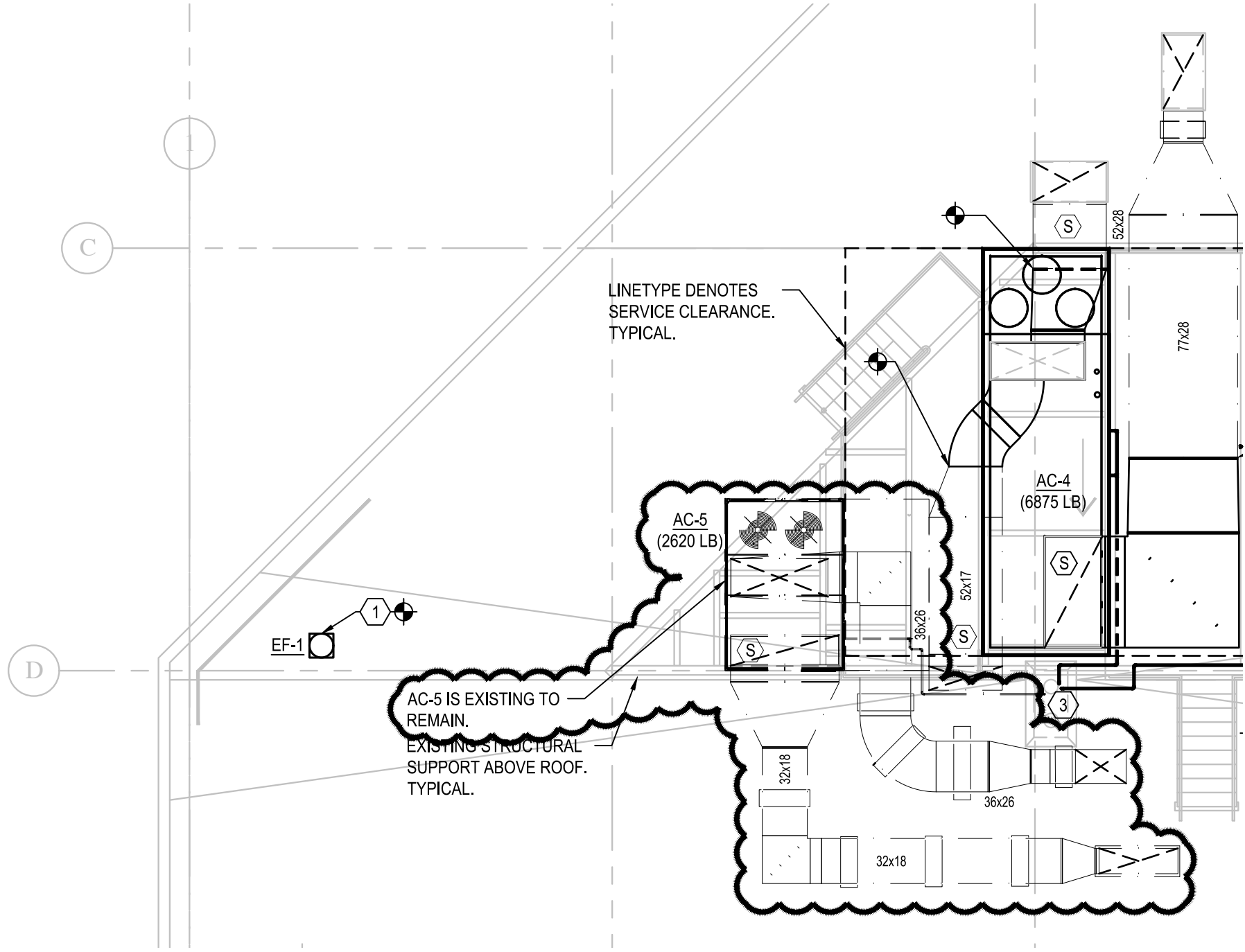
MAY 17, 2019
SKM-01
 DRAWING REF: M-103

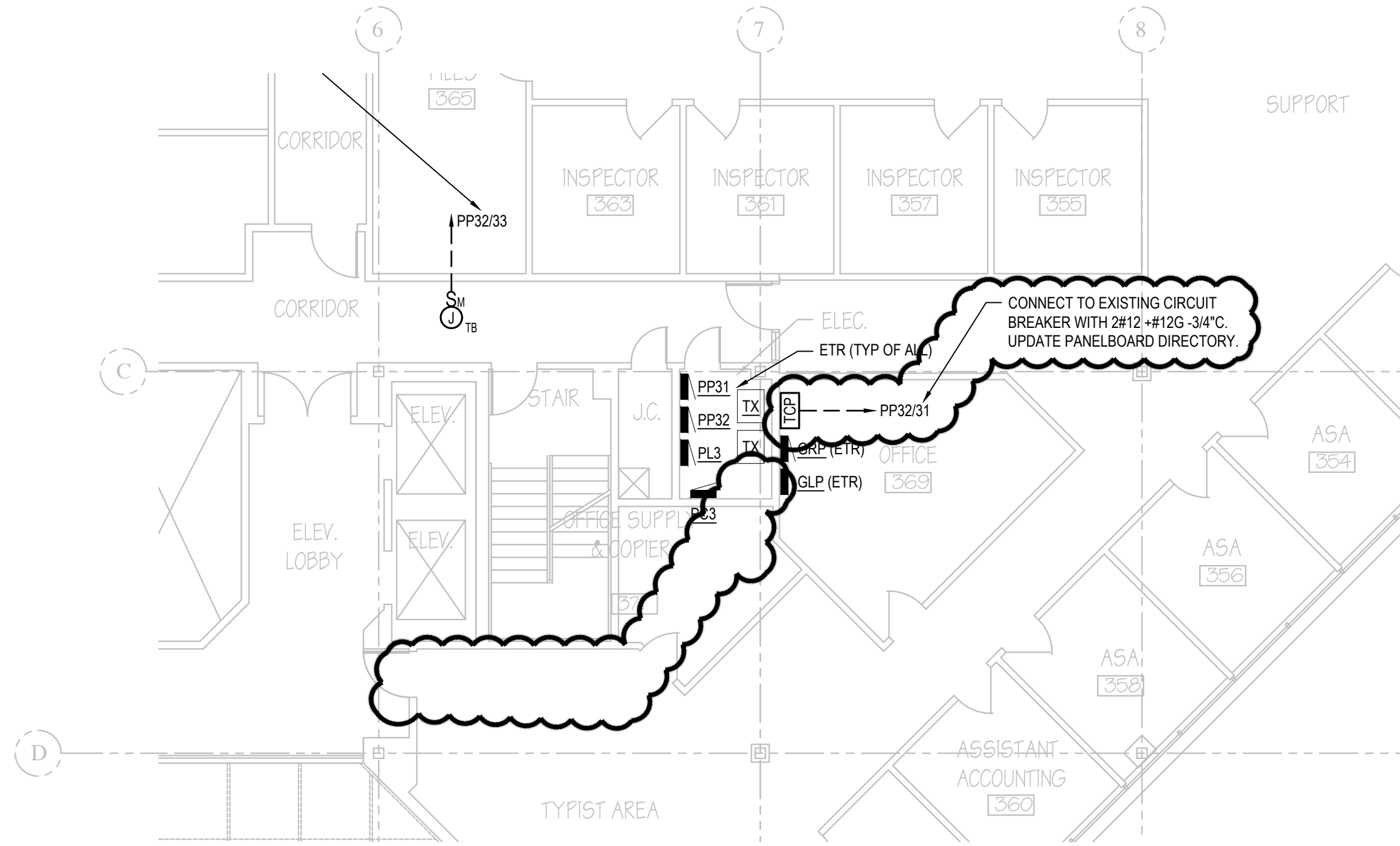
DEMOLITION KEY NOTES

- 1 EXISTING ROOFTOP UNIT, CONDENSATE PIPING, MOTOR/STARTER DISCONNECTS, CONTROLS, ETC. TO BE REMOVED. EXISTING STRUCTURAL STEEL SUPPORT TO REMAIN. ASSOCIATED SUPPLY AND RETURN DUCTWORK SHALL BE DISCONNECTED FOR FUTURE RECONNECTION.
- 2 EXISTING ROOFTOP UNIT, CONDENSATE PIPING, CONTROLS, ETC. TO REMAIN.
- 3 EXISTING AIR COOLED CONDENSING UNIT SERVING AC-5 DUCT MOUNTED COOLING COIL, CONDENSATE PIPING, REFRIGERANT PIPING, MOTOR/STARTER DISCONNECTS, CONTROLS, ETC. TO BE REMOVED. (NOT USED).
- 4 EXISTING RETURN FAN SERVING AC-5, MOTOR/STARTER DISCONNECT, CONTROLS AND ASSOCIATED RETURN DUCTWORK AS INDICATED TO BE REMOVED. (NOT USED).
- 5 REMOVE EXISTING EXHAUST FAN & SALVAGE FOR REINSTALLATION. REFER TO M-104 FOR NEW WORK REQUIRED.
- 6 EXISTING ROOFTOP EXHAUST FAN TO BE REMOVED. EXISTING ROOF CURB TO BE REMOVED. ASSOCIATED EXHAUST DUCTWORK SHALL BE CUT AND CAPPED FOR FUTURE RECONNECTION.
- 7 EXISTING CONDENSING UNIT SERVING INDOOR AIR HANDLING UNITS REFRIGERANT PIPING, MOTOR/STARTER DISCONNECTS, CONTROLS, ETC. TO BE REMOVED. EXISTING STRUCTURAL STEEL SUPPORT TO REMAIN.
- 8 EXISTING CONDENSING UNIT SERVING INDOOR SPLIT UNIT AND ASSOCIATED REFRIGERANT PIPING, MOTOR/STARTER DISCONNECTS, CONTROLS, ETC. TO BE REMOVED AND REINSTALLED ON NEW ROOF SUPPORTS TO ALLOW FOR INSTALLATION OF NEW ROOF. THE REMOVAL AND REINSTALLATION OF THE CONDENSING UNITS SERVING THE SERVER ROOM SHALL BE PHASED TO ALLOW ONE UNIT TO REMAIN OPERATIONAL WHILE THE OTHER UNIT IS REMOVED AND REINSTALLED. REFER TO PHASING PLAN FOR ADDITIONAL REQUIREMENTS.

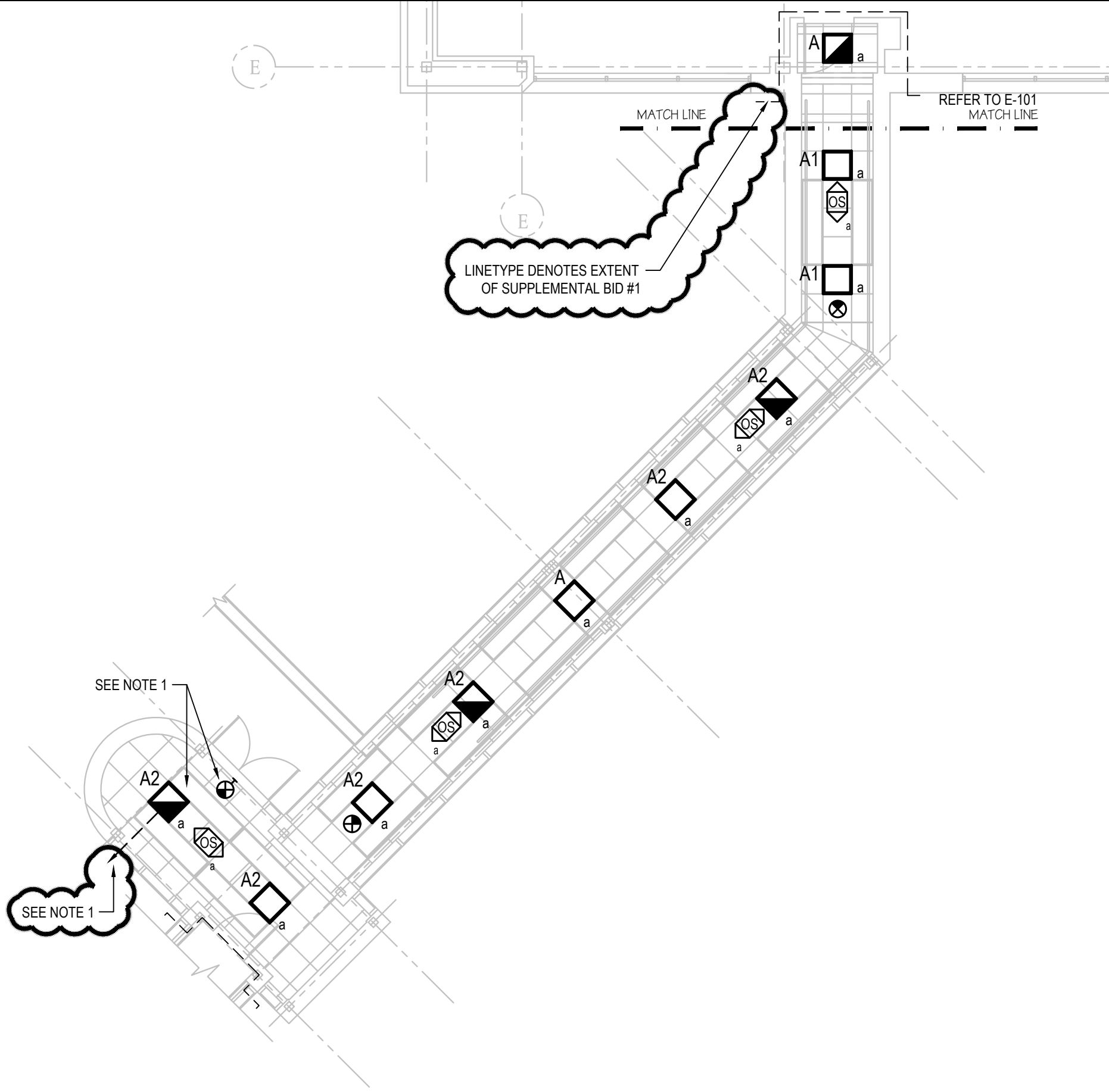








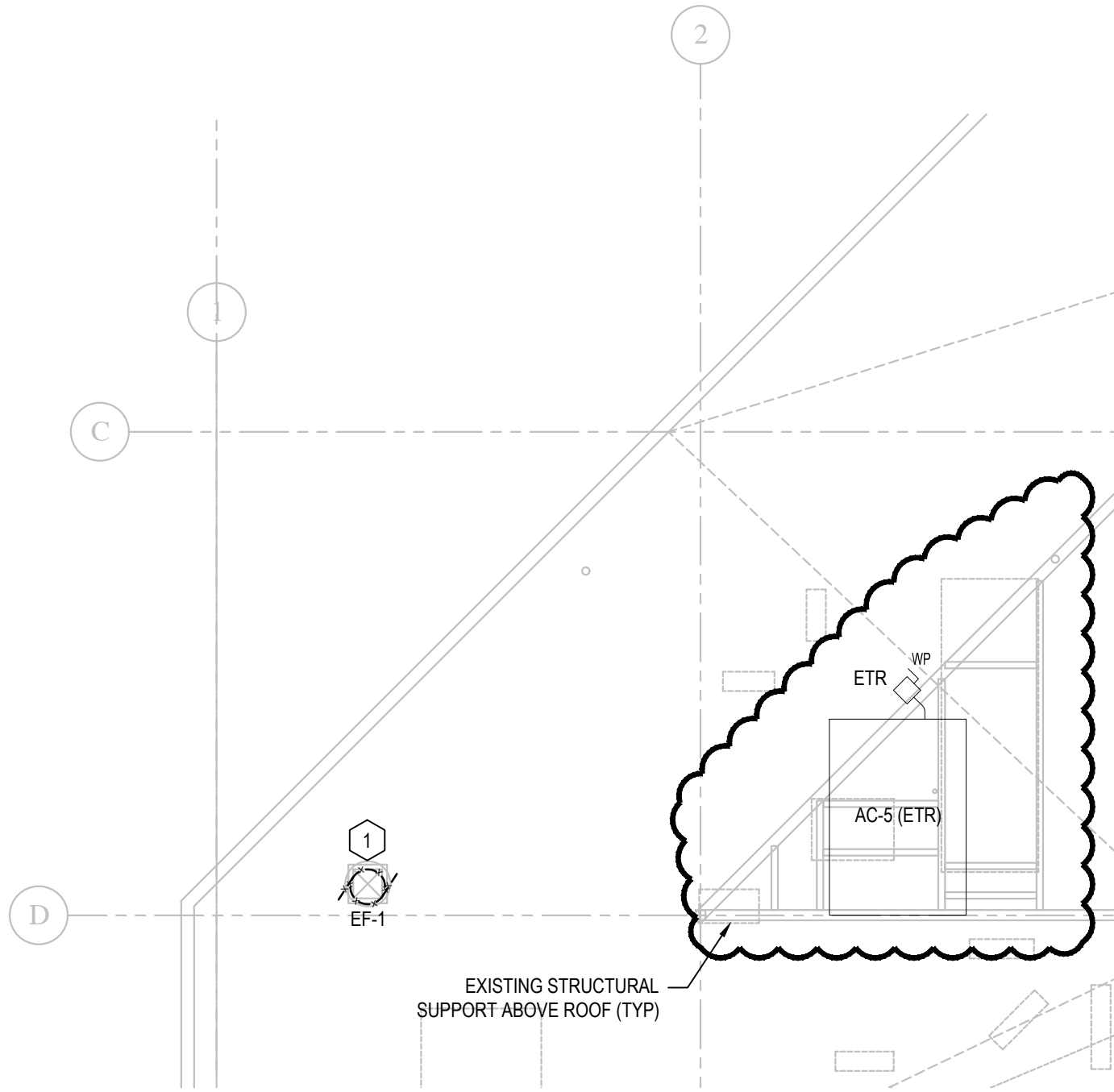
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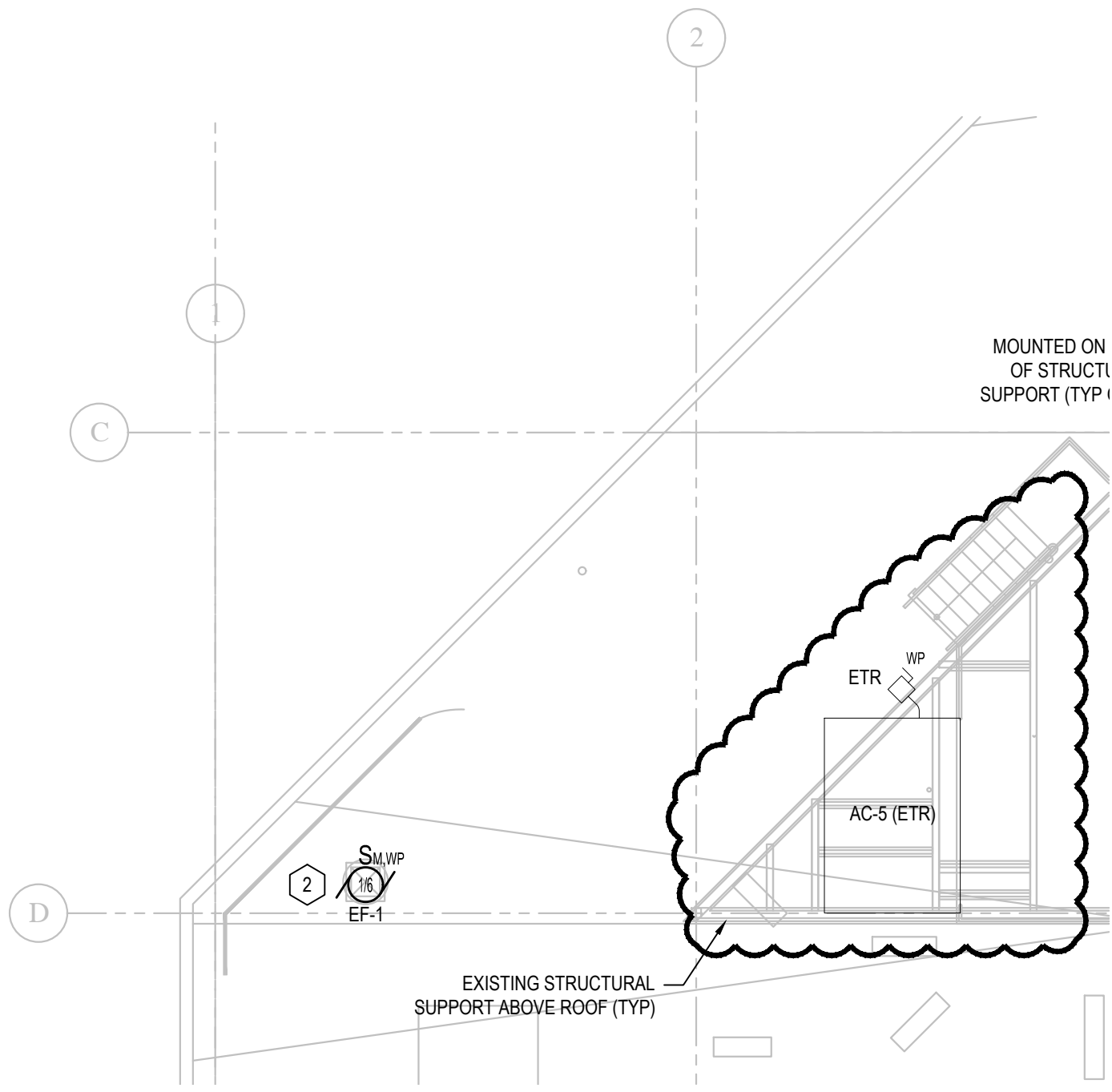
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MAY 17, 2019
SKE-02
 DRAWING REF: E-101A



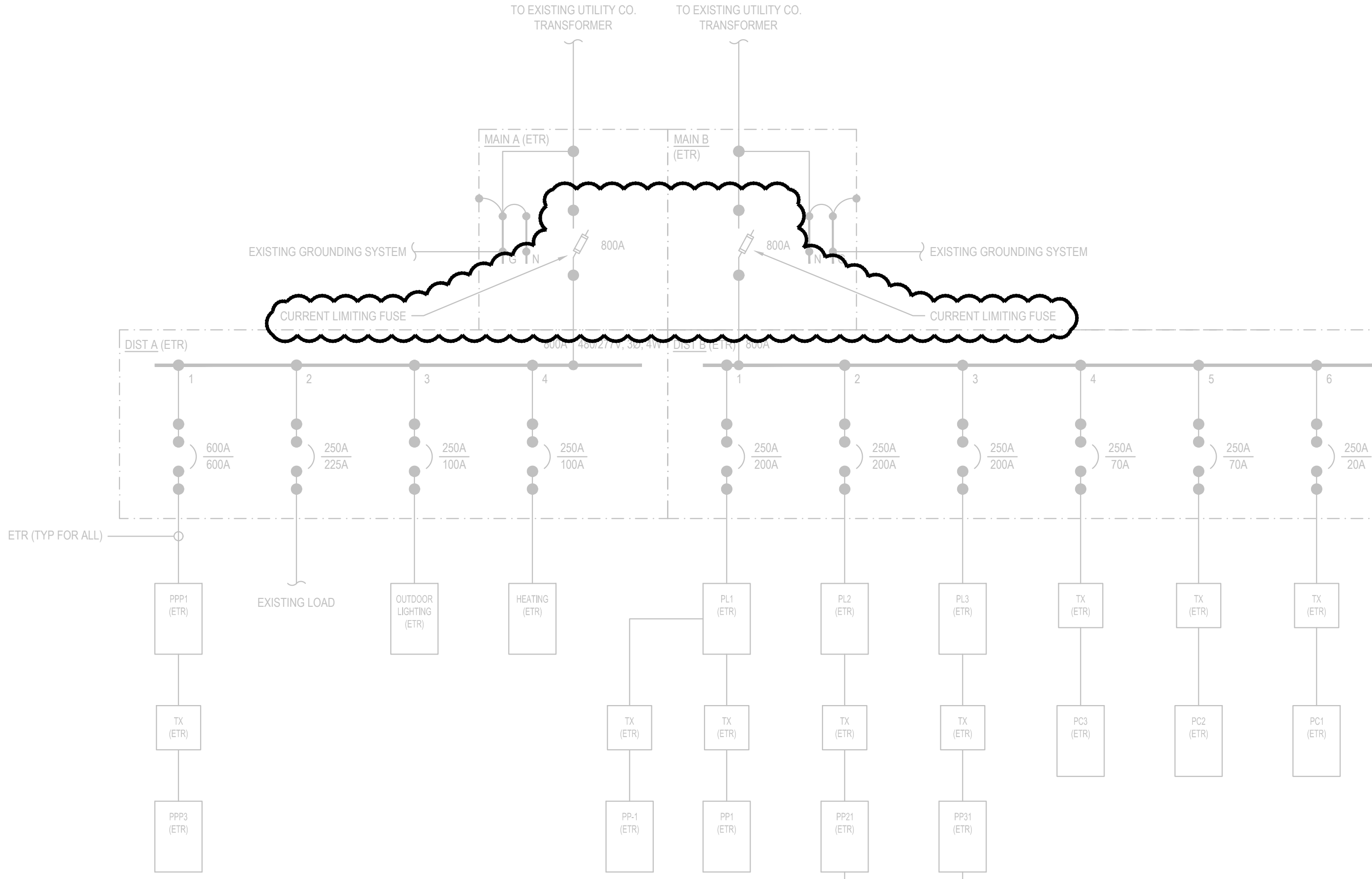
DEMOLITION KEY NOTES

- 1 DISCONNECT AND REMOVE ALL EXISTING FAN FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE BACK TO PANELBOARD. UPDATE PANELBOARD DIRECTORY.
- 2 DISCONNECT AND REMOVE ALL EXISTING PUMP FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE BACK TO PANELBOARD. UPDATE PANELBOARD DIRECTORY.
- 3 DISCONNECT AND REMOVE ALL EXISTING STEAM HUMIDIFIER FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE BACK TO PANELBOARD. UPDATE PANELBOARD DIRECTORY.
- 4 DISCONNECT AND REMOVE ALL EXISTING BOILER FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE BACK TO PANELBOARD. UPDATE PANELBOARD DIRECTORY (TYP FOR ALL).
- 5 DISCONNECT AND REMOVE ALL EXISTING AIR HANDLING UNIT FINAL CONNECTIONS, DISCONNECT SWITCHES AND OUTLETS. EXISTING CONDUIT AND WIRE SHALL BE RECONNECTED TO NEW AIR HANDLING UNIT. REFER TO DRAWINGS E-104 AND E-301.
- 6 DISCONNECT AND REMOVE EXISTING DUCT MOUNTED SMOKE DETECTOR. EXISTING CONDUIT AND WIRE SHALL BE RECONNECTED TO NEW DUCT SMOKE DETECTOR. REFER TO DRAWINGS E-104 AND E-301.
- 7 DISCONNECT AND REMOVE ALL EXISTING CONDENSING UNIT FINAL CONNECTIONS, DISCONNECT SWITCHES AND OUTLETS. EXISTING CONDUIT AND WIRE SHALL BE RECONNECTED TO NEW CONDENSING UNIT. REFER TO DRAWINGS E-104 AND E-301.
- 8 DISCONNECT ALL EXISTING CONDENSING UNIT FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE FOR RECONNECTION UPON ROOF WORK COMPLETION. REFER TO DRAWINGS E-104 AND E-301. NOTE: ONLY ONE CONDENSING UNIT CAN BE DE-ENERGIZED AT A TIME.
- 9 NOT USED
- 10 NOT USED.
- 11 DISCONNECT ALL EXISTING CONDENSING UNIT FINAL CONNECTIONS AND RECONNECT TO TEMPORARY UNIT. REFER TO DRAWINGS ED-105. UPON REMOVAL OF TEMPORARY UNIT, DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, AND OUTLETS. EXISTING CONDUIT AND WIRE SHALL BE RECONNECTED TO NEW CONDENSING UNIT. REFER TO DRAWINGS E-104 AND E-301.



KEY NOTES

- 1 RECONNECT EXISTING DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE SERVING CONDENSING UNIT AFTER ROOF WORK IS COMPLETED. EXTEND CONDUIT AND WIRE AS NECESSARY. NOTE: ONLY ONE CONDENSING UNIT CAN BE DE-ENERGIZED AT A TIME.
- 2 RECONNECT EXISTING CONDUIT AND WIRE TO NEW EXHAUST FAN AND NEW DISCONNECT SWITCH. EXTEND CONDUIT AND WIRE AS NECESSARY.
- 3 PROVIDE 3#3 + #8G IN EXISTING CONDUIT TO NEW UNIT AND NEW DISCONNECT SWITCH. EXTEND CONDUIT AS NECESSARY. REPLACE EXISTING 70A/3P CIRCUIT BREAKER PREVIOUSLY ENERGIZING OLD UNIT WITH NEW 80A/3P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD PPP2.
- 4 RECONNECT EXISTING CONDUIT AND WIRE TO NEW UNIT AND NEW DISCONNECT SWITCH. EXTEND CONDUIT AND WIRE AS NECESSARY. REPLACE EXISTING 110A/3P CIRCUIT BREAKER PREVIOUSLY ENERGIZING OLD UNIT WITH NEW 100A/3P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD PPP2.
- 5 NOTE USED
- 6 RECONNECT EXISTING CONDUIT AND WIRE TO NEW UNIT AND NEW FUSED DISCONNECT SWITCH. PROVIDE CURRENT LIMITING FUSES TO REDUCE LET-THROUGH CURRENT TO 10KA OR LESS. EXTEND CONDUIT AND WIRE AS NECESSARY. REPLACE EXISTING 200A/3P CIRCUIT BREAKER PREVIOUSLY ENERGIZING OLD UNIT WITH NEW 125A/3P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD PPP1.
- 7 RECONNECT EXISTING CONDUIT AND WIRE TO NEW UNIT AND NEW FUSED DISCONNECT SWITCH. PROVIDE CURRENT LIMITING FUSES TO REDUCE LET-THROUGH CURRENT TO 10KA OR LESS. EXTEND CONDUIT AND WIRE AS NECESSARY. REPLACE EXISTING 70A/3P CIRCUIT BREAKER PREVIOUSLY ENERGIZING TEMPORARY UNIT WITH NEW 125A/3P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD PPP1.
- 8 RECONNECT EXISTING DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRE SERVING FAN AFTER ROOF WORK IS COMPLETED. EXTEND CONDUIT AND WIRE AS NECESSARY.



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