

DANE COUNTY DEPARTMENT of PUBLIC WORKS, HIGHWAY and TRANSPORTATION

County Executive
Kathleen M. Falk

1919 Alliant Energy Center Way ♦ Madison, Wisconsin 53713
Phone: (608) 266-4018 ♦ Fax: (608) 267-1533

Commissioner / Director
Gerald J. Mandli

ADDENDUM NO. 1

FEBRUARY 14, 2008

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 108019 - NEW AIR CONDITIONERS & GENERATOR

DANE COUNTY PUBLIC WORKS

MADISON, WI

BIDS, DUE: Thursday, February 21, 2008, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB), and is hereby made a part of the RFB. **Please acknowledge this Addendum on the Bid Form.**

PLEASE MAKE THE FOLLOWING CHANGES:

General Clarification

There are now two options for the Contractor to run the feeders in the building.

1. The Original Run, as referenced in the Construction Drawings, refers to running the vertical feeders through GR-24, electrical closets, room 321, room 425, and the existing chase that goes between 5th floor and the penthouse. As an option on this Original run, the Contractor may also run the feeders outside of and immediately adjacent to the existing chase. This run was described in the original pre-bid meeting.
2. The Optional Run, as referenced in the Construction Documents, refers to running the vertical feeders through existing stairwells. This Optional Run will be described in the next pre-bid meeting on February 15, 2008.

1. Document Index

Delete current Document Index; replace with new Index, issued with this Addendum.

2. Instructions to Bidders

Page ITB-1 - Paragraph 1.C: Add the following:

“Due to a change in the original pre-bid meeting room, inclement weather, and requests to allow subcontractors to tour the facility, there will be another pre-bid meeting on Friday, February 15, 2008 at 8:00 AM at the City-County Building, 210 Martin Luther King Jr Blvd. This meeting will begin in the hallway outside Room 524. During this

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- 1 -

rev. 07/05

meeting, we will also discuss the new option of running the feeders in a stairwell, as described in Addendum 1. Attendance is encouraged, but Contractors are not required to attend this new pre-bid meeting if they attended the original pre-bid meeting. Contractors must have attended at least one of the pre-bid meetings in order to bid on this Work. Subcontractors are not required to attend a pre-bid meeting.”

3. General Conditions

Page GC-19 – paragraph 44.A: Delete the following:
“if Alternate 1 is chosen”

4. Bid Form

Turn bids in to Dane County Public Works, not Dane County Purchasing Agent. Replace:

“TO: DANE COUNTY PURCHASING AGENT
210 MARTIN LUTHER KING, JR. BLVD. - ROOM 425
MADISON, WI 53703”

With:

“TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY &
TRANSPORTATION PROJECT ENGINEER
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713”

5. Section 16123 – Building Wire and Cable

Page 3 - Item 3.2.A: Delete this item.

Page 3 - Item 3.2.B: Delete the current paragraph & insert the following:

“There is currently a 2-1/2” conduit with four (4) #4/0 wires that runs from the ground level switchgear room to the existing chiller. This feeder is to be abandoned and left in place. It will not be used for any portion of this new Work.”

Page 4-5 - Item 3.5 - SCHEDULE: Delete the current Section & insert the following:

“3.5 SCHEDULE

A. See Diagram 1 – Electrical Schematic for description of sections.

B. Section A:

1. Abandon the existing service to the chiller. Run a new feeder from the switchgear room to the ATS switch. This feeder will consist of two (2) parallel 2-1/2” conduits with four #4/0 and one #2 ground in each conduit.
 - a. Original Run: Provide four #4/0 wires with one #2 ground in a each new 2-1/2” conduit. Run conduits parallel from switchgear room down to the garage level. In the garage level, run conduits, as shown on Drawing 2 to location denoted as “Original Run.” Then, run conduit straight up to room GR-24. From GR-24, run the feeder up to room 321 through electrical closets. In room 321, it will run 20’ toward Doty St and 5’ toward MLK Jr Blvd in the drop ceiling. The drop ceiling in room 321 does not need to be replaced. Then run the feeder up, through the fourth floor storage room and through the existing 5th floor computer room chase, to the penthouse. As an option, Contractor may run this feeder adjacent to and outside the existing chase from 5th floor up to the penthouse, in order to avoid tight spaces and fire dampers in the chase.

- b. Optional Run: Contractor has the option to run this feeder up to the penthouse through existing stairwells. If this option is chosen, run conduits parallel from switchgear room down to the garage level. In the garage level, run conduits, as shown on Drawing 2 to location denoted as “Optional Run.” Then run feeders straight up, through the existing stairwell, to the fifth floor. Next, run feeders through the stairwell wall and 10’ towards Wilson St in a drop ceiling. Then, run feeders straight up to the penthouse through existing stairwells. Any conduit which is run in stairwells must be separated from the stairwell area by a 2 hour fire rated enclosure. Construct this enclosure of 1” shaft board and two (2) layers of 5/8” fire rated drywall over metal studs. Tape, finish, and paint to match existing walls.
2. Replace the existing switch and fuses on this service with a new 600 amp fusible switch with 450 amp fuses.

C. Section B:

1. Run a new feeder from the penthouse to the fifth floor. This feeder will consist two (2) parallel 2-1/2” conduits with four #4/0 wires and one #2 ground in each conduit.
 - a. Original Run: Provide new feeder approximately 85 feet from ATS in penthouse to a new 600 amp distribution panel in the fifth floor computer room through existing chase. As an option, Contractor may also run this feeder adjacent to and outside the existing chase from the penthouse down to the 5th floor, in order to avoid tight spaces and fire dampers in the chase.
 - b. Optional Run: Contractor has the option to run this feeder down to the fifth floor through the stairwells along the same path as was explained above. Once on the fifth floor, run the feeder to a new 600 amp distribution panel behind the stairwell, as shown on Drawing 3.
3. From the distribution panel, run service to the transformer, breaker, and 100 KVA UPS, as shown on Drawing 1, Drawing 3, and Diagram 1.

D. Section C:

1. From the new distribution panel, install a new 2” conduit with three (3) #250 KCMIL and one (1) #4 ground. Run this feeder down to the garage level along the same path as the new conduit of Section A. Once this conduit reaches the garage level, connect it to a new conduit denoted as Section D on Diagram 1 and Drawing 2.

E. Section D:

1. Tie new 2” conduit with 3 #250 KCMIL and 1 #4 ground into new conduit from GR-24. Run this new feeder to a new 400 amp non-fused switch, a new 112.5 KVA transformer, and a new 400 amp distribution panel, as shown on Drawing 2 and Diagram 1. Finally, tie the City’s 40 KVA UPS and HVAC system into the new distribution panel with feeders sized per manufacturers’ recommendations.”

6. Section 16235 – Engine Generators

Page 7 - Item 3.1.A: Delete the current paragraph & insert the following:

“There is currently a 2-1/2” conduit with four (4) #4/0 wires that runs from the ground level switchgear room to the existing chiller. This feeder is to be abandoned and left in place. It will not be used for any portion of this new Work.”

Page 7 - Item 3.1.B: Delete this item.

Pages 8 - Item 3.2.H: Add the following:

“The three make-up heating units are each 624,000 BTU units. The two water heaters are each 625,000 BTU units.”

7. Drawings and Diagrams

Delete current Sheet; replace with new Sheet issued with this Addendum:

1. Drawing 1 - Construction Drawings and Floor Plans
2. Diagram 1 - Electrical Diagram

Add new sheet:

1. Drawing 2 - Revised Garage Floor Plan (Original Run and Optional Run)
2. Drawing 3 - Optional Run 5th Floor Plan
3. Drawing 4 - Building Elevations

For additional information about this Addendum, please call John Schraufnagel at 608/266-4798.

Enclosures:

Document Index
Drawings 1, 2, 3, & 4
Diagram 1

DOCUMENT INDEX FOR RFB NO. 108019

PROCUREMENT AND CONTRACTING REQUIREMENTS

Project Manual Cover Page
Documents Index and Dane County Vendor Registration Program
Invitation to Bid (Legal Notice)
Instructions to Bidders
Bid Form
Fair Labor Practices Certification
Best Value Contractor Compliance Form
Sample Public Works Contract
Sample Bid Bond
Sample Performance Bond
Sample Payment Bond
General Conditions of Contract
Supplementary Conditions

DIVISION 1 - GENERAL REQUIREMENTS

01000 - Basic Requirements
01100 - Summary
01508 - Recycling
01700 - Execution Requirements

DIVISION 15 - MECHANICAL

15735 - Computer Room Air Conditioning Units

DIVISION 16 - ELECTRICAL

16123 - Building Wire and Cable
16235 - Engine Generators

DRAWINGS

Diagram 1 - Electrical Schematic (Revised)
Drawing 1 - Construction Drawings and Floor Plans (Revised)
Drawing 2 - Revised Garage Floor Plan (Original Run and Optional Run)
Drawing 3 - Optional Run 5th Floor Plan
Drawing 4 - Building Elevations
Figure 1 - Existing Chiller Product Data

DANE COUNTY VENDOR REGISTRATION PROGRAM

All bidders / proposers wishing to submit a bid / proposal should be registered with Dane County Purchasing before bid / proposal opening & must be registered before award of contract. Complete a Vendor Registration Form at www.danepurchasing.com, or obtain one by calling 608/266-4131.

Section B:

All new

600A. 3 Pole
(25K SYM AMPS)

240KW/300KVA, 480/277V.
ENGINE GENERATOR
w/ 450A. MAIN BRKR

ATS

Section A:

All new. See Original Run and
Optional Run on Drawings.

DP

600A. 480/277V, 3ph 4w

(2) 2 1/2" C. w/ 4# 4/0 & 1# 2" GRD

FED BY 250/3 BRKR

Fed By 350/3 BRKR

(1) 3" C. w/ 3# 500KCMIL & 1# 3 GRD

T

150KVA
480/208-120V. 3ph
TRANSFORMER

600A. FUSIBLE SW

450A. FUSES

Brkr SIZE PER
UPS MFR

Section C:

All new conduit and wires to
garage. Run this feeder adjacent to
new conduit of Section A.

EXISTING 4000A, 480/277V
MAIN SWBD ASSUMED 100,000 Sym
Short Circuit AMPS.

100KVA
UPS

(1) 2" C. w/ 3# 250KCMIL & 1# 4 GRD

(1) 3" C. w/ 4# 500KCMIL & 1# 3 GRD

Section D:

All new.

400A. NON FUSED
DISC. SW.

112.5KVA
480/208-120V
3ph.

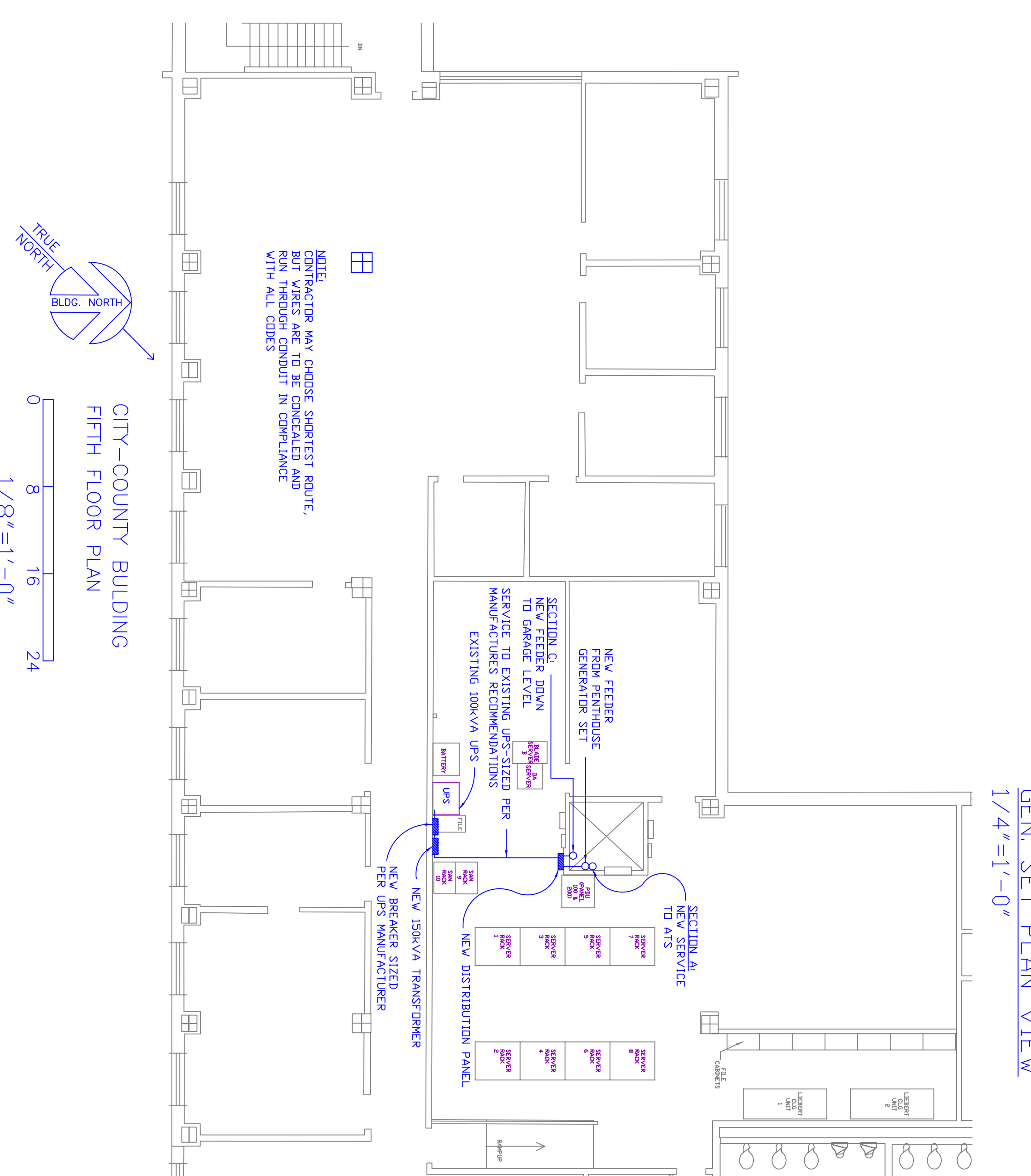
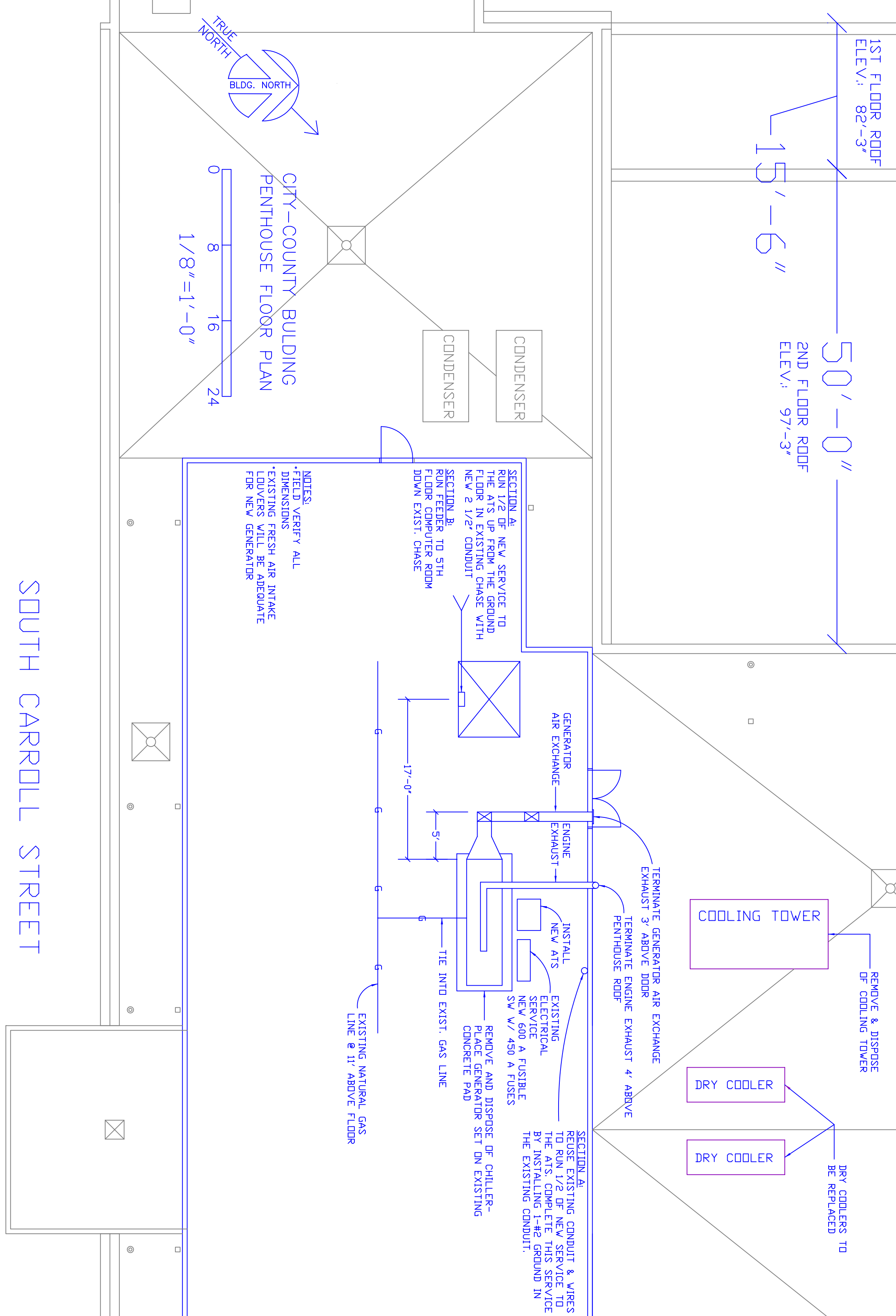
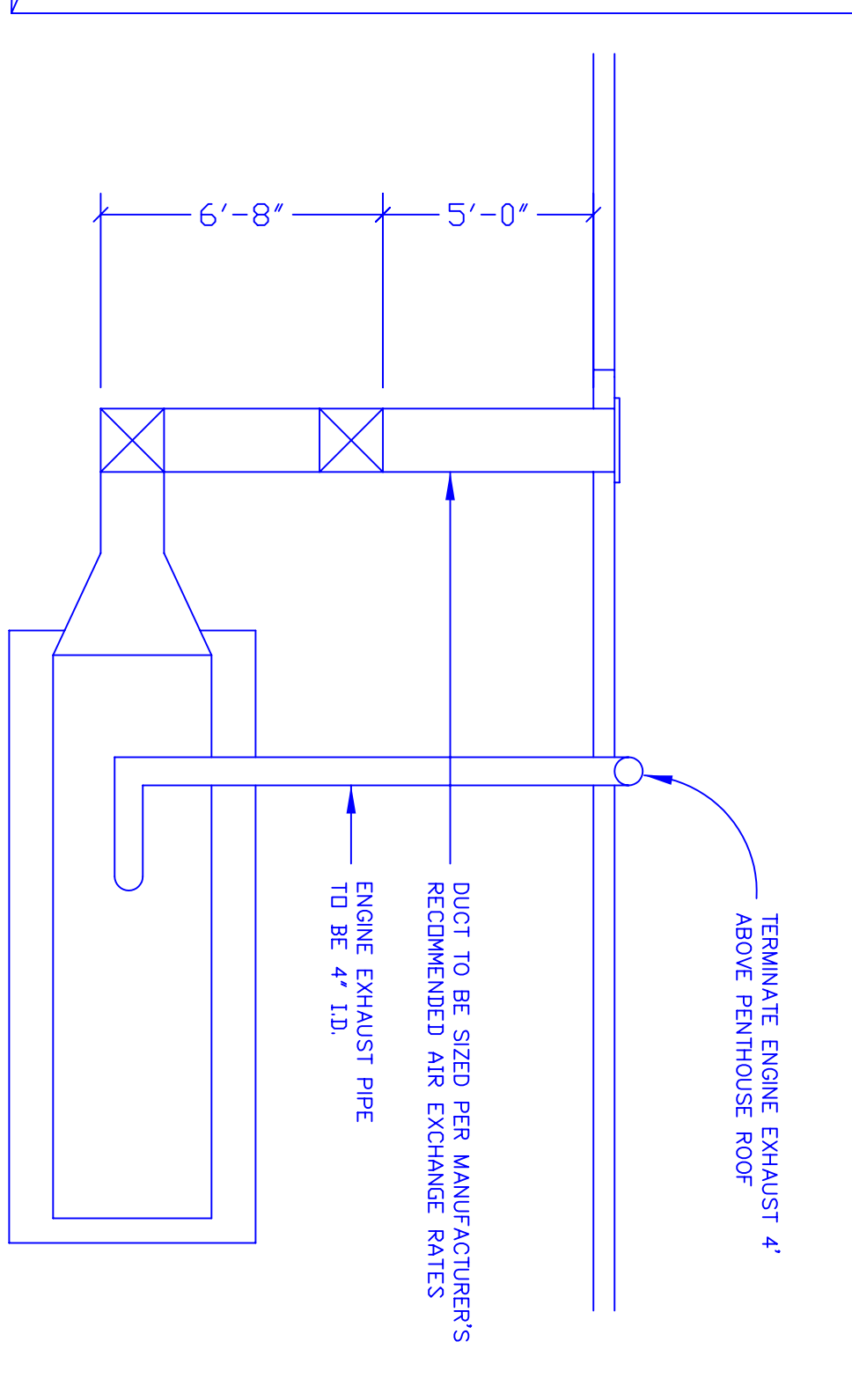
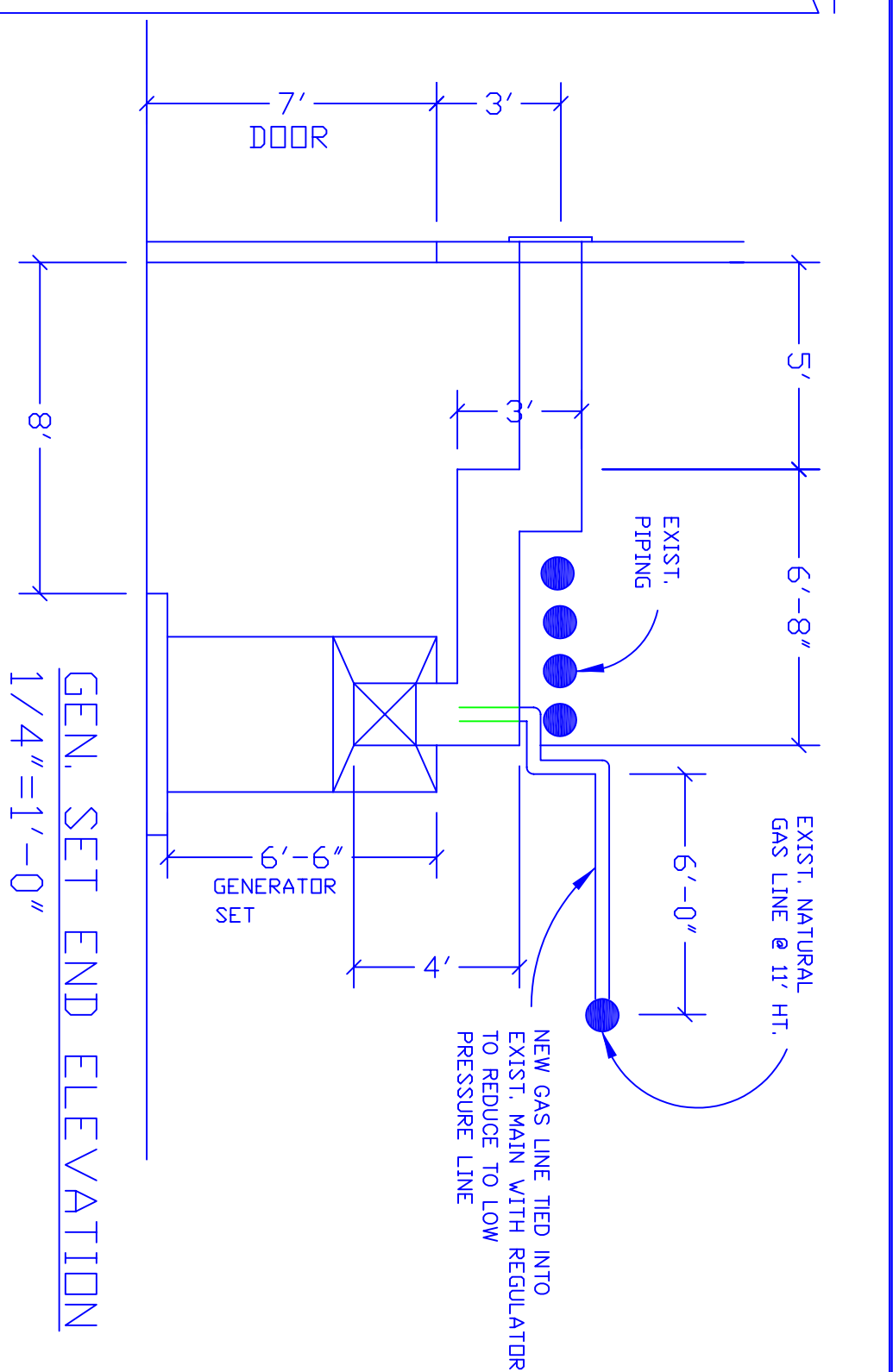
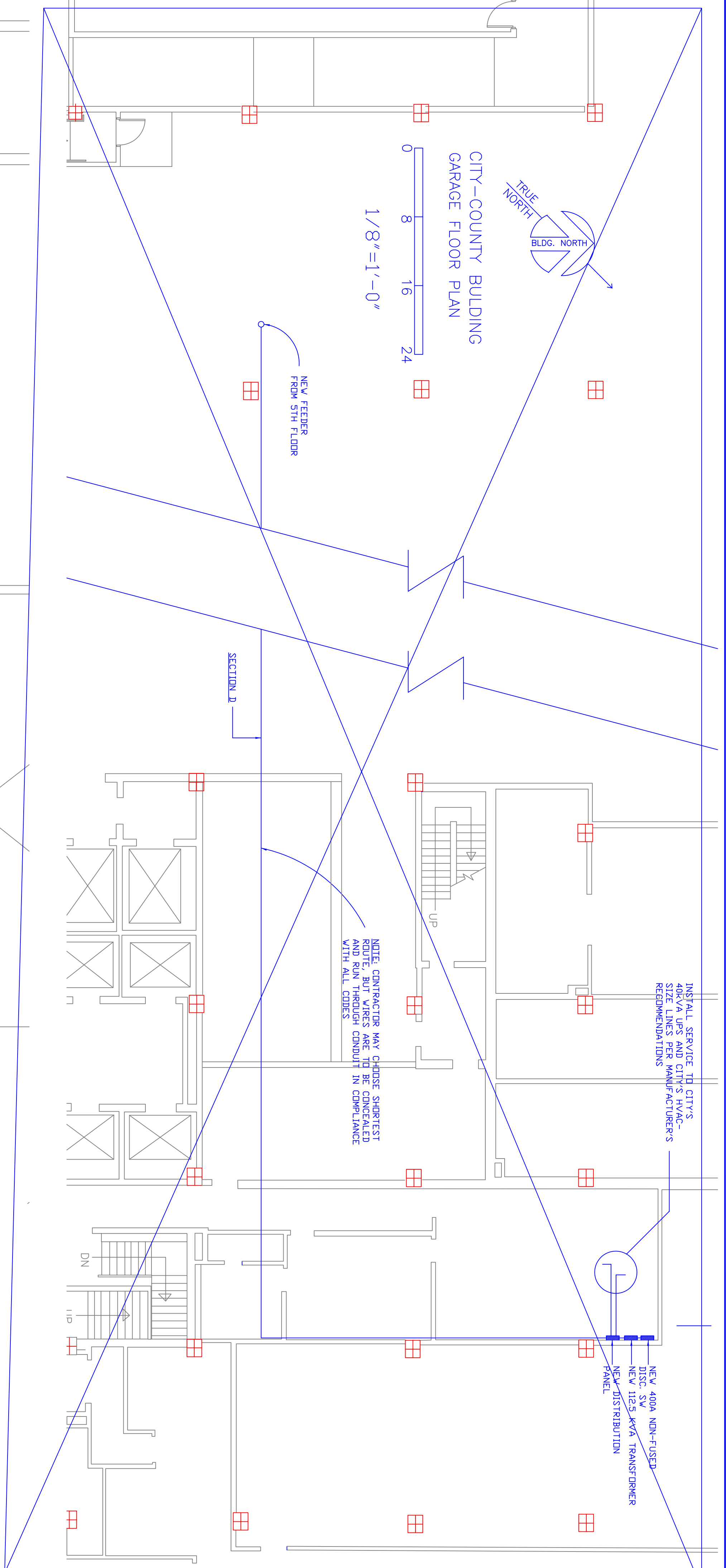
DP
CITY

400A 208/120V 3ph
w/ 400A. Main
Brkr
DISTRIBUTION
PANEL

MIN. 10KAIC

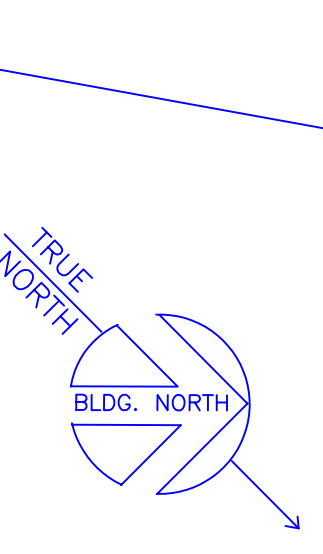
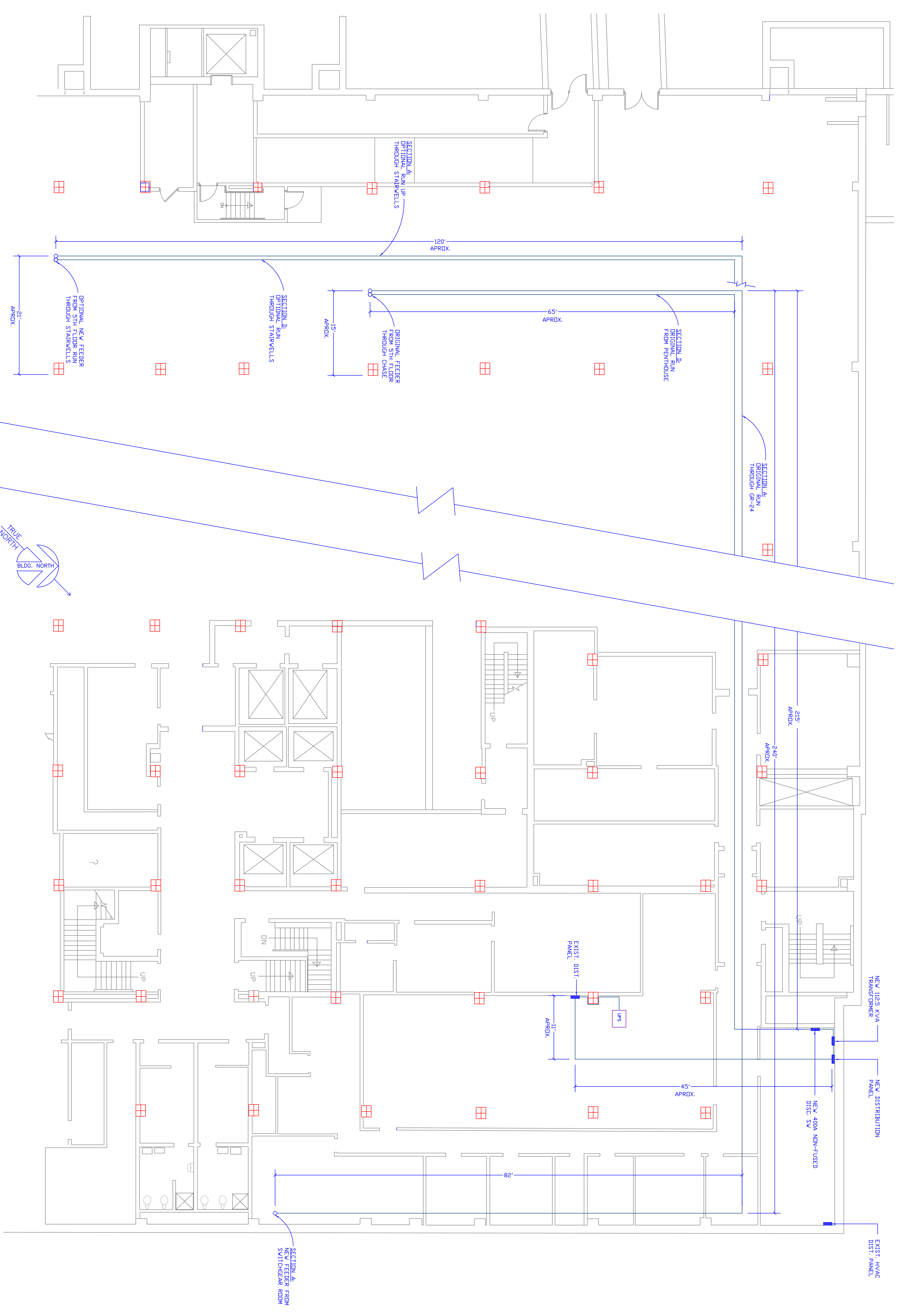
Diagram 1 - Electrical Schematic

WEST DOTY STREET

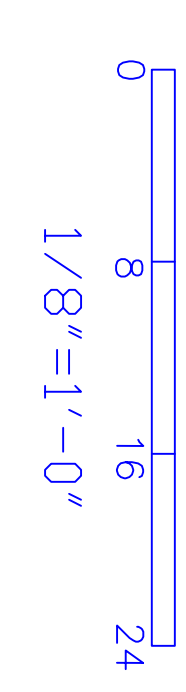


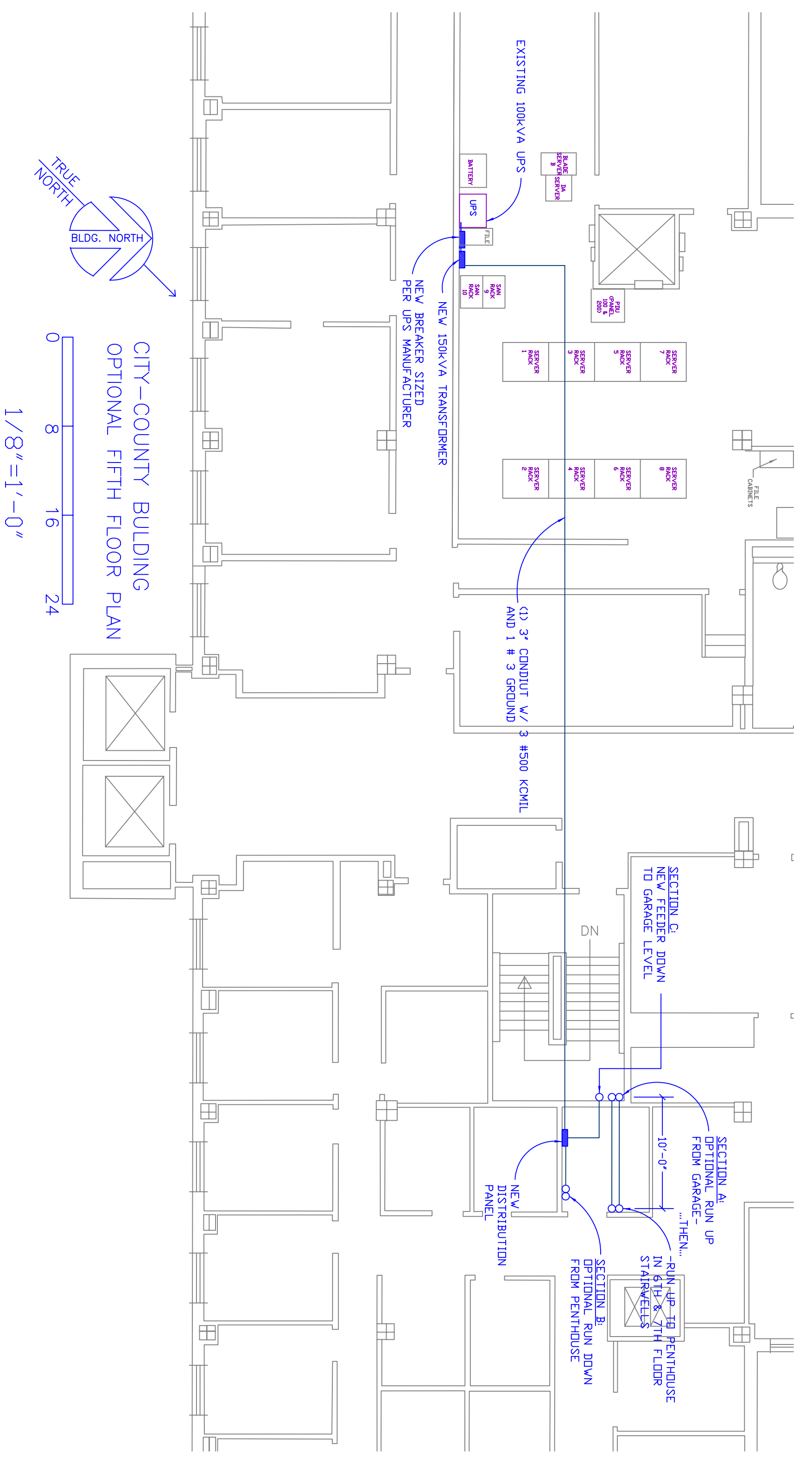
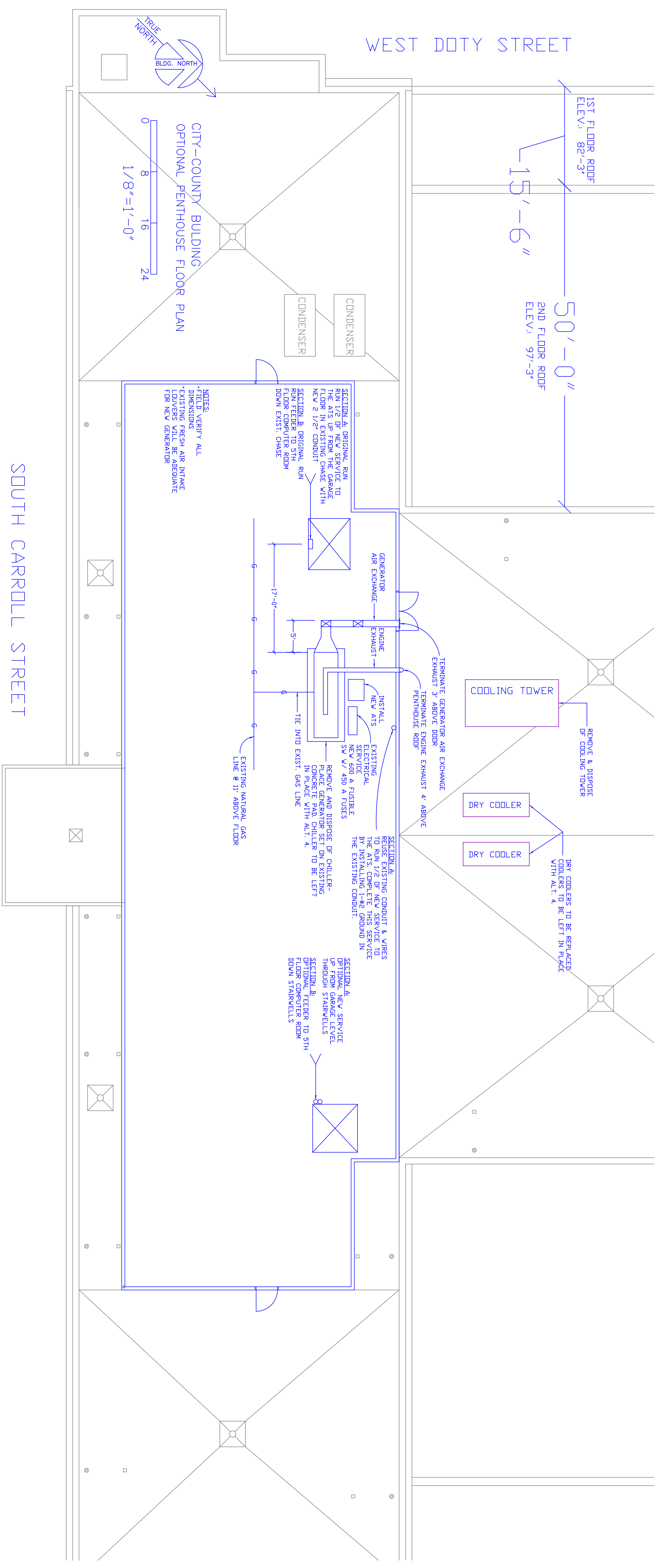
SOUTH CARROLL STREET

Sheet of 1 4	IT AIR COND./GENERATOR SET CITY/COUNTY BUILDING 210 MLK JR. BLVD MADISON, WISCONSIN	DEPARTMENT OF PUBLIC WORKS DANE COUNTY WISCONSIN	Design By: JFS	Drawn By: JRL	Approved By: JFS	Revisions
			Bid No: 108019	Date: 2/08/08	Scaler: AS NOTED	



CITY-COUNTY BUILDING
REPLACEMENT GARAGE FLOOR PLAN
PLUS OPTIONS



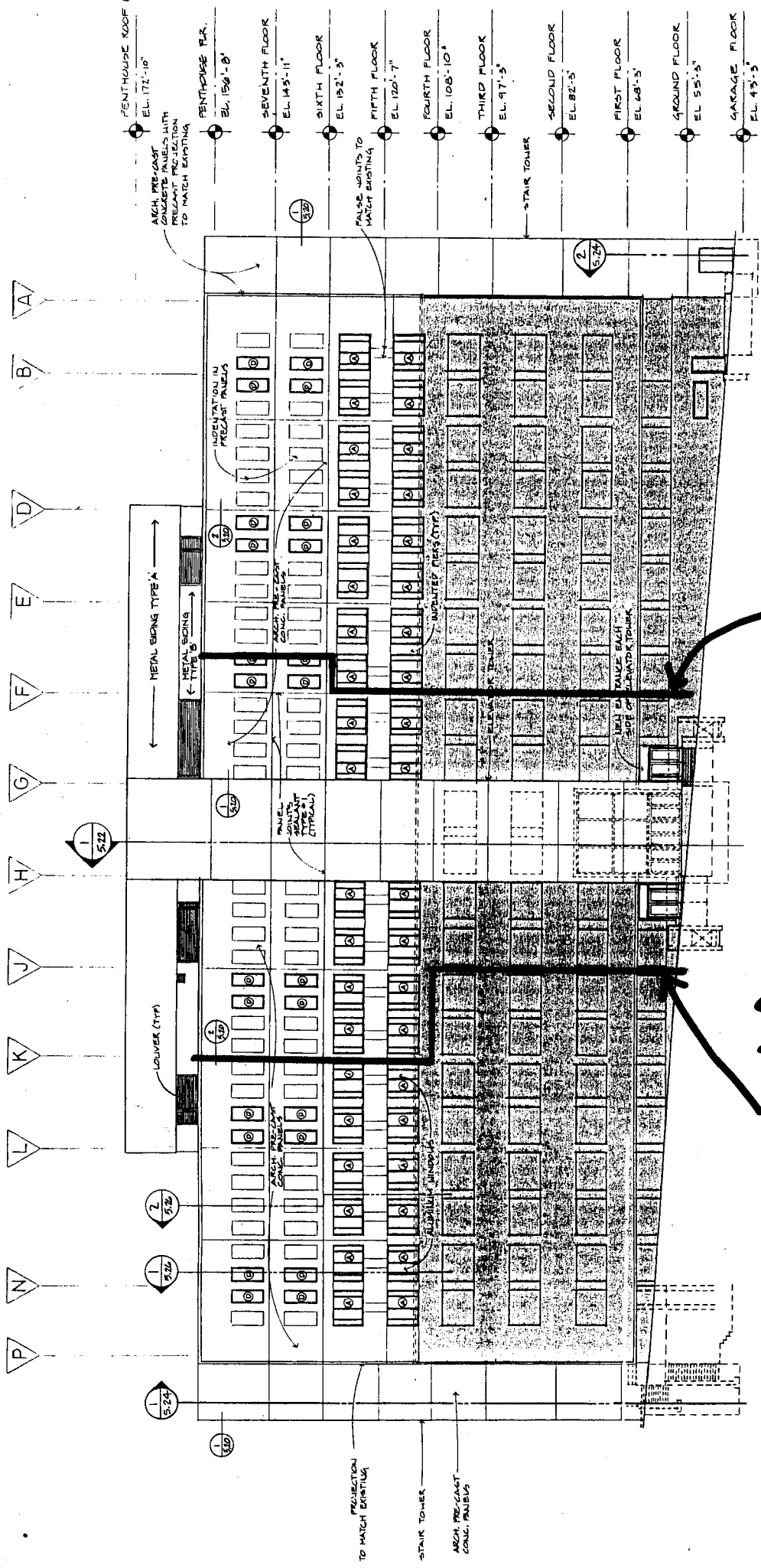


SOUTH CARROLL STREET

WEST DOTY STREET

CITY-COUNTY BUILDING
OPTIONAL PENTHOUSE FLOOR PLAN

CITY-COUNTY BUILDING
OPTIONAL FIFTH FLOOR PLAN



Original Run

Optional Run

Drawing 4 - Building Elevations