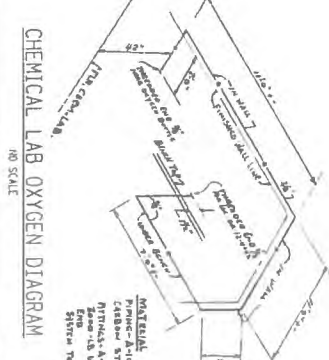
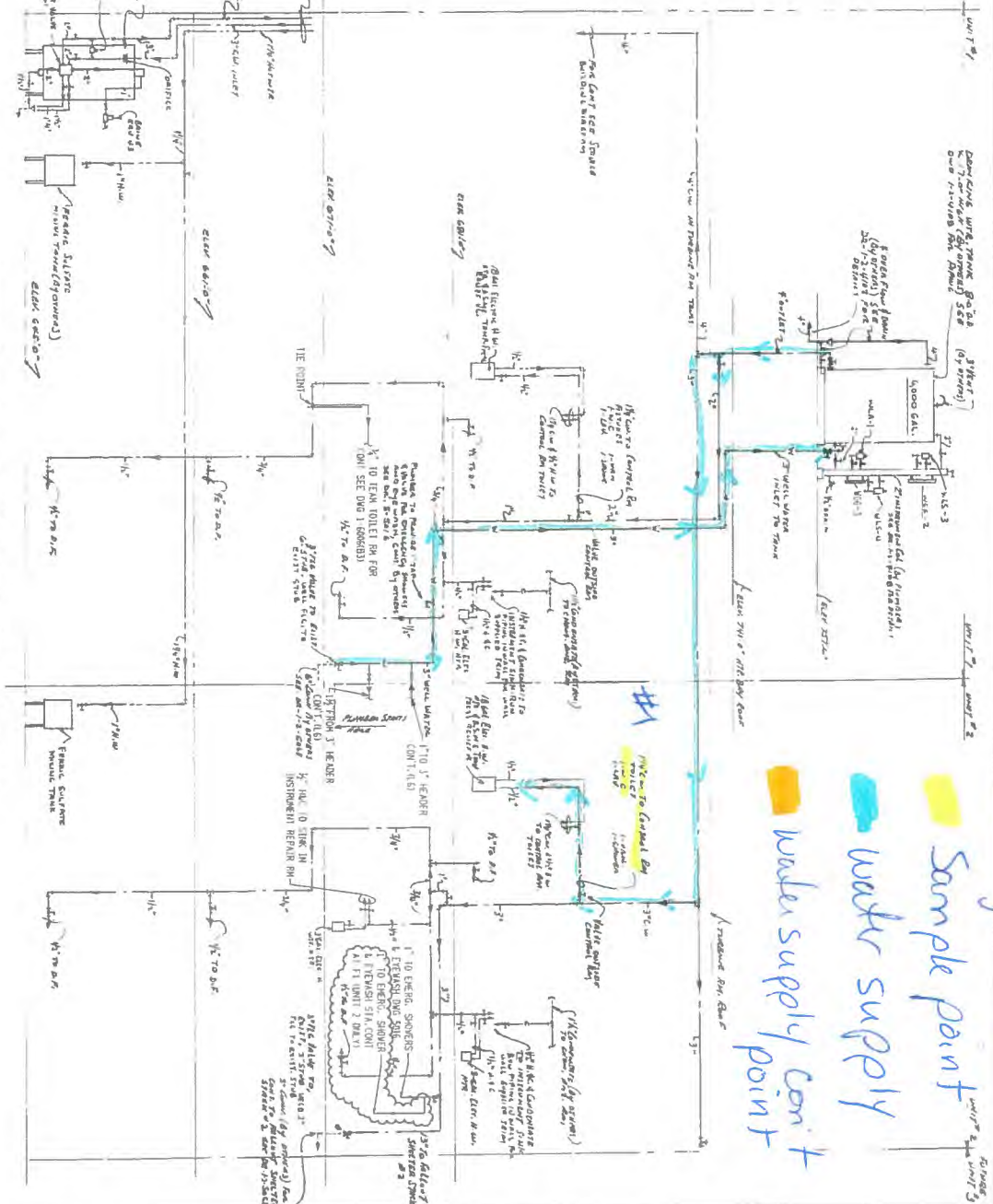


- #1 LC201
- #2 LC202
- #3 LC204
- #4 LC203
- #5 LC205

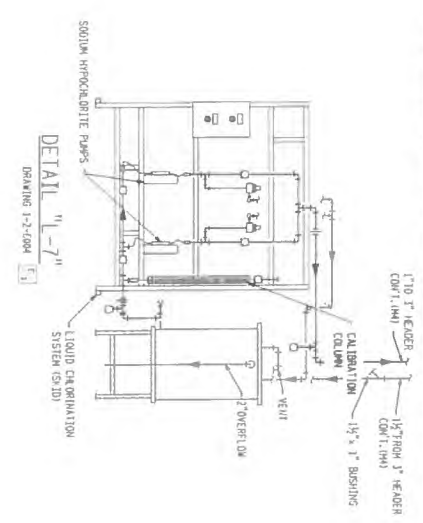
SERVICE BUILDING WATER SUPPLY DIAGRAM



CHEMICAL LAB OXYGEN DIAGRAM



POWER PLANT UNITS 1&2 WATER SUPPLY DIAGRAM



SODIUM HYPOCHLORITE PIPING
DETAIL 1/2" - 7"

diagram name
 Sample point
 water supply
 water supply cont
 water supply point

DATE	NO.	DESCRIPTION	BY	APP'D.
12/15/11	1	ISSUED FOR PERMITS	J. MYERS	
12/15/11	2	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	3	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	4	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	5	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	6	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	7	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	8	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	9	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	10	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	11	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	12	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	13	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	14	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	15	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	16	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	17	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	18	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	19	REVISED TO ADD COMMENTS	J. MYERS	
12/15/11	20	REVISED TO ADD COMMENTS	J. MYERS	

Diagram name
 Sample point U2 Control room
 POSS PD 044130912

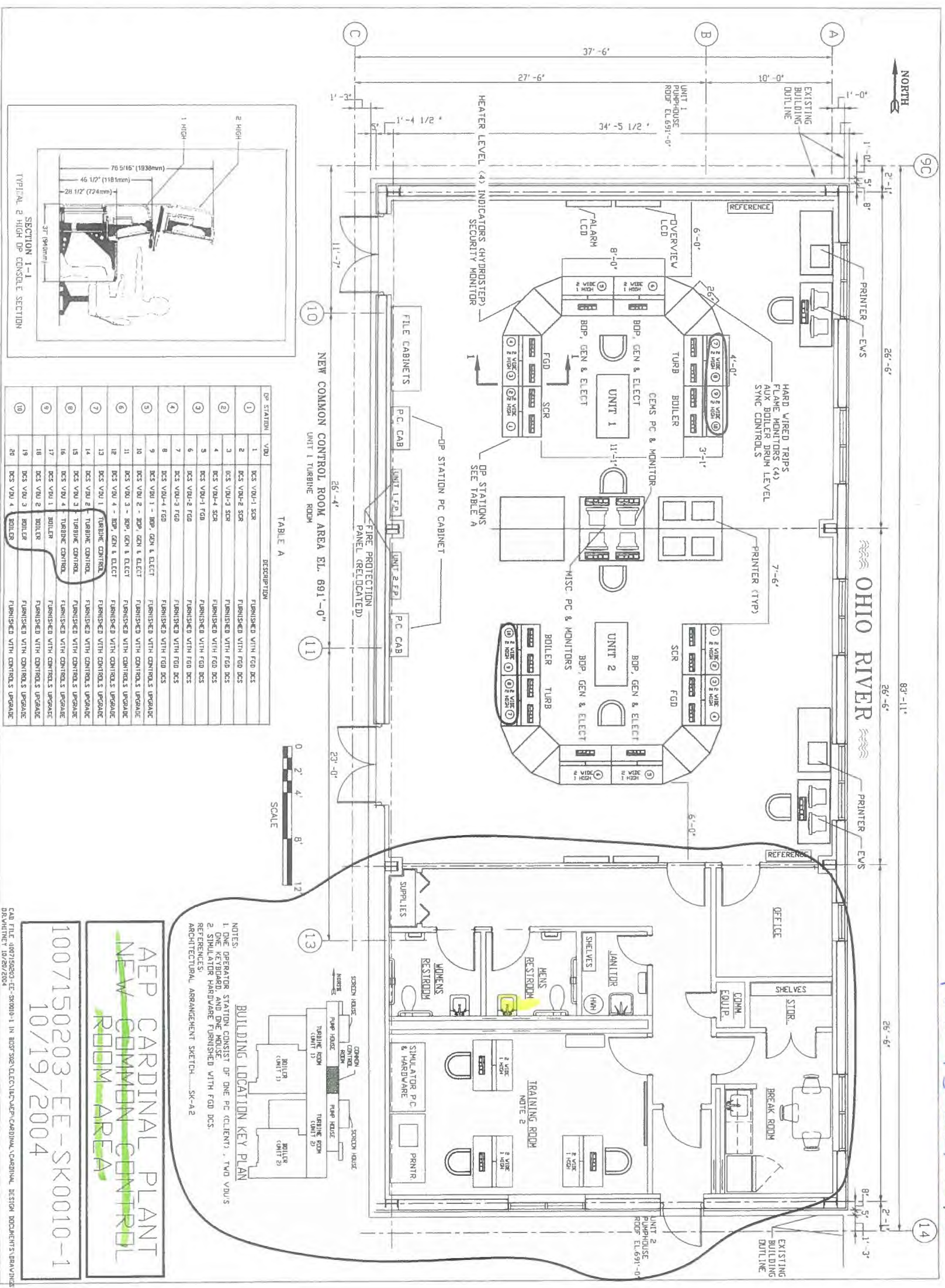


TABLE A

DP STATION	VDU	DESCRIPTION
1	DCS VDU-1 SCR	FURNISHED WITH FGD DCS
2	DCS VDU-2 SCR	FURNISHED WITH FGD DCS
3	DCS VDU-3 SCR	FURNISHED WITH FGD DCS
4	DCS VDU-4 SCR	FURNISHED WITH FGD DCS
5	DCS VDU-1 FGD	FURNISHED WITH FGD DCS
6	DCS VDU-2 FGD	FURNISHED WITH FGD DCS
7	DCS VDU-3 FGD	FURNISHED WITH FGD DCS
8	DCS VDU-4 FGD	FURNISHED WITH FGD DCS
9	DCS VDU 1 - BOP, GEN & ELECT	FURNISHED WITH CONTROLS UPGRADE
10	DCS VDU 2 - BOP, GEN & ELECT	FURNISHED WITH CONTROLS UPGRADE
11	DCS VDU 3 - BOP, GEN & ELECT	FURNISHED WITH CONTROLS UPGRADE
12	DCS VDU 4 - BOP, GEN & ELECT	FURNISHED WITH CONTROLS UPGRADE
13	DCS VDU 1 - TURBINE CONTROL	FURNISHED WITH CONTROLS UPGRADE
14	DCS VDU 2 - TURBINE CONTROL	FURNISHED WITH CONTROLS UPGRADE
15	DCS VDU 3 - TURBINE CONTROL	FURNISHED WITH CONTROLS UPGRADE
16	DCS VDU 4 - TURBINE CONTROL	FURNISHED WITH CONTROLS UPGRADE
17	DCS VDU 1 - BOILER	FURNISHED WITH CONTROLS UPGRADE
18	DCS VDU 2 - BOILER	FURNISHED WITH CONTROLS UPGRADE
19	DCS VDU 3 - BOILER	FURNISHED WITH CONTROLS UPGRADE
20	DCS VDU 4 - BOILER	FURNISHED WITH CONTROLS UPGRADE

NOTES:
 1. ONE OPERATOR STATION CONSIST OF ONE PC CLIENTS, TWO VDUS AND ONE MONITOR.
 2. SIMULATOR HARDWARE FURNISHED WITH FGD DCS.
 REFERENCES:
 ARCHITECTURAL ARRANGEMENT SKETCH.....SK-A2

BUILDING LOCATION KEY PLAN

1007150203-EE-SK0010-1
 10/19/2004

AEP CARDINAL PLANT
 NEW COMMON CONTROL
 ROOM AREA

FILED: 10/19/2004 10:58:00 AM IN: 1007150203-EE-SK0010-1
 DRAWN BY: 10/20/2004

Plus OH 4130912

Diagram Name

Sample Points Service Buildings
Plus OH 4130912

- #1 CC204
- #2 CC202
- #3 CC203
- #4 CC205



NO.	DATE	DESCRIPTION
1	12/12/17	ISSUED FOR PERMIT
2	1/15/18	REVISED PER COMMENTS
3	2/1/18	REVISED PER COMMENTS
4	2/15/18	REVISED PER COMMENTS
5	3/1/18	REVISED PER COMMENTS
6	3/15/18	REVISED PER COMMENTS
7	4/1/18	REVISED PER COMMENTS

REVISIONS

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CARDINAL PLANT
OHIO POWER CO.
BUCKETE POWER CO.
BUCKETE POWER CO.
BUCKETE POWER CO.

Service Building
FLOOR PLAN

DR NO: 4022-7

DATE: 12/12/17

SCALE: 1/8" = 1'-0"

APPROVED BY: [Signature]

AMERICAN ELECTRIC POWER SERVICE COMPANY
2 BROADWAY
NEW YORK