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ACCESSION NBR: 7902080239      DOC. DATE: 79/02/01      NOTARIZED: NO      DOCKET #  
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow      05000331  
 AUTH. NAME      AUTHOR AFFILIATION  
 LIU, L.      Iowa Electric Light & Power Co.  
 RECIP. NAME      RECIPIENT AFFILIATION  
 DENTON, H.      Office of Nuclear Reactor Regulation

SUBJECT: Submits copies of plant Security Project Schedule.

DISTRIBUTION CODE: S003S      COPIES RECEIVED: LTR 1 ENCL 5      SIZE: 7  
 TITLE: NON-PROPRIETARY INFO RE SECURITY PLANS.

NOTES:

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	04 CLARK, R.A.	1	1	05	I & E	2 2
EXTERNAL:	03 LPDR	1	1	07	ACRS	1 1

5 DRAWINGS:  
REG FILES  
 RA CLARK (4)

FEB 9 1979  
 Ap 4  
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TOTAL NUMBER OF COPIES REQUIRED: LTR 9 ENCL 7



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

MEMORANDUM FOR: TERA Corp.  
FROM: US NRC/TIDC/Distribution Services Branch  
SUBJECT: Special Document Handling Requirements

1. Please use the following special distribution list for the attached document.

8

LTR + ENCL  
5003

5 DRWGS  
REG FILES  
R.A. CLARK (4)

2. The attached document requires the following special considerations:

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 Proprietary information - send affidavit only to the NRC PDR

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REGULATORY DOCKET FILE COPY

Mike Corcum

cc: DSB Files

TIDC/DSB Authorized Signature

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

S79-71

February 1, 1979

LEE LIU

SENIOR VICE PRESIDENT - ENGINEERING

Mr. Harold Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, DC 22555

Reference: Iowa Electric Letter S78-593

Dear Mr. Denton:

Transmitted herein are five (5) copies of the Duane Arnold Energy Center Security Project Schedule. The following is a summary of the recent security project activities:

- (a) Security hardware contract work is proceeding as indicated on attached schedule.
- (b) Due to inclement weather, a total of eleven (11) working days have been lost. These days are reflected in the revised schedule transmitted herein. Providing no further weather delays are encountered, work on the building facility shall continue as indicated.

It is hoped that this information will be of assistance to you and if you have any further questions, please do not hesitate to contact us.

Very truly yours,



Lee Liu  
Senior Vice President - Engineering

LL/TS/sc

Attachments

cc: T. Shugart  
D. Arnold  
L. Root  
H. Rehrauer  
R. Lowenstein  
R. Clark (NRC)  
A53, A58-A2

REGULATORY DOCKET FILE COPY

7902080239

S003  
S 1/5  
5 DROWS TO:  
FILES  
R.A.P.A.  
R.A. CLARK (4)

## SITWORK CONTRACT



<u>ITEM NO.</u>	<u>DATE</u>	<u>EVENT</u>
1	9/30/77	Start system descriptions
2	12/19/77	Start drawings and specifications
3	2/17/78	Revise MASP Figures & Incorporate
4	2/20/78	Issue preliminary specs. and drawings
5	4/24/78	Issue bid packages for bids
6	5/4/78	Pre-bid meeting
7	5/30/78	Receive bid proposals
★ 8	6/14/78	Award contract and issue purchase order
9	6/21/78	Begin construction
10	8/21/78	Complete underground pipework
11	10/27/78	Complete fill and grade work
12	10/31/78	Complete loading dock
13	12/22/78	Complete new perimeter fence and fence grounding
14	12/22/78	Complete site cleanup and demobilization

## SECURITY HARDWARE CONTRACT

<u>ITEM NO.</u>	<u>DATE</u>	<u>EVENT</u>
1	9/30/77	Start system descriptions
2	12/19/77	Start drawings and specifications
3	2/10/78	Begin incorporation of MASP changes to the system
4	2/17/78	Revise MASP figures
5	6/2/78	Issue bid package for bids
6	6/29/78	Pre-bid meeting and issuance of Addendum #1
7	7/24/78	Receive bid proposals
8	8/24/78	Complete bid evaluations
9	9/8/78	Begin vendor engineering
10	9/8/78	Letter of intent signed and issued
11	10/11/78	Award contract and issue purchase order
12	10/19/78	Begin construction
13	12/22/78	Complete CCTV & Microwave towers and foundations
14	2/9/79	Complete all perimeter hardware installation
15	2/23/79	Begin CCTV acceptance testing
16	4/16/79	Complete access hardware installation
17	4/16/79	Begin system acceptance test on single CPU and console
18	4/16/79	Complete all cable and raceways
19	4/20/79	Complete U.P.S.
20	4/30/79	Begin acceptance tests on dual CPU & consoles

## BUILDING/FACILITIES CONTRACT



ITEM NO.	DATE	EVENT
1	9/30/77	Start system descriptions
2	12/19/77	Start drawings and specifications
3	2/3/78	Management decision to go with separate guard facility
4	2/17/78	Revise MASP figures
5	7/31/78	Issue bid package for bids
6	8/15/78	Pre-bid meeting
7	9/ 6/78	Receive bid proposals
8	9/13/78	Complete bid evaluations
★ 9	10/6/78	Award contract and issue purchase order
10	10/11/78	Begin construction
11	1/15/79	Complete exterior light foundations
12	12/5/78	Complete exterior lighting cable and raceway
13	2/10/79	Complete guard facility shell
14	2/10/79	Complete SAS
15	3/2/79	Complete CAS ( Date not Finalized)
17	4/16/79	Complete exterior lighting (Date not finalized)
16	3/16/79	Complete HVAC, interior lighting and plumbing
18	4/16/79	Building facility complete

ITEM	DATE	ITEM
1	Feb 1977	10CFR 73.55 published in Federal Register
2	Mar 1977	Staff Interim Guidance Documents published (NUREG 0207, 0220, 0219)
3	Mar 1977	Staff implementation plans and schedules described
4	May 25, 1977	56 of 57 Amended Security Plans (ASP) to be submitted
5	May 25, 1977	ie: submits ASP with notification of possible delay until plan approval, letter # IE-77-1042
6	June 27 - July 1, 1977	NRC Security team visit to DAEC
7	July 14, 1977	ie: letter confirming NRC team visit with ie:'s unresolved questions, letter #DAEC 77-372
8	Aug 23, 1977	ie: letter # DAEC-77-429 concerning ie: letter dated July 14, 1977. # DAEC-77-372
9	Sept 28, 1977	NRC delays implementation of physical search regulation
10	Sept 30, 1977	Modified Amended Security Plan (MASP) to be submitted
11	Sept 30, 1977	ie: submits MASP with request for exemptions, letter #IE-77-1808
12	Nov 30, 1977	NRC letter transmitted July 1, 1977 Security Team visit notes. Also makes mention of exemptions being considered separately and that they will supply comments on MASP by January 1978.
13	Dec 1977	NRC review of ie: MASP to start
14	Jan 22, 1978	Rev. 1 of Guideline 17 received from NRC
15	Jan 26, 1978	ie: request for review session with review team on ie:'s MASP letter #IE-78-116.
16	Feb 9, 1978	Meeting held in Bethesda, MD. to discuss ie:'s MASP and New Guard House concept, Meeting Notes No. S78-33.
17	Feb 24, 1978	Letter to NRC confirming Feb. 9 meeting discussions, letter #S78-40.
18	Feb 27, 1978	Transmitted changes reflecting the Feb. 9, 1978 meeting, letter #S78-41.

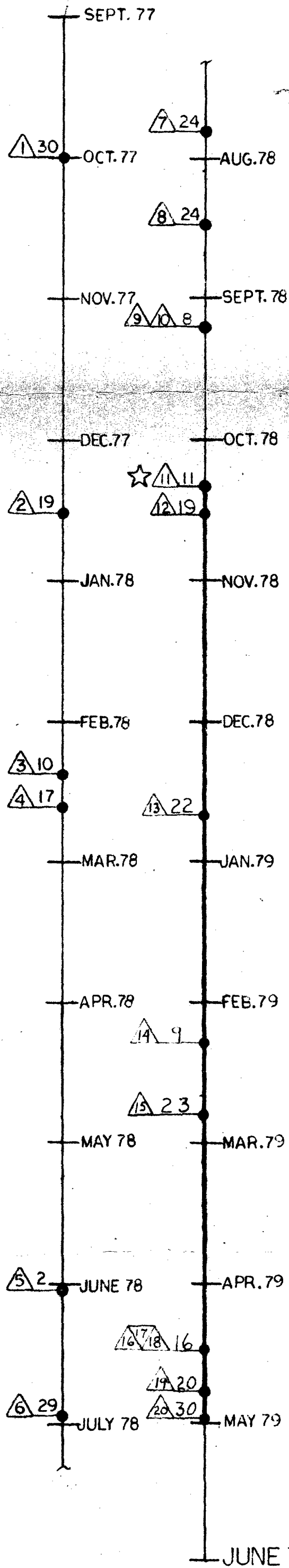
ITEMDATE

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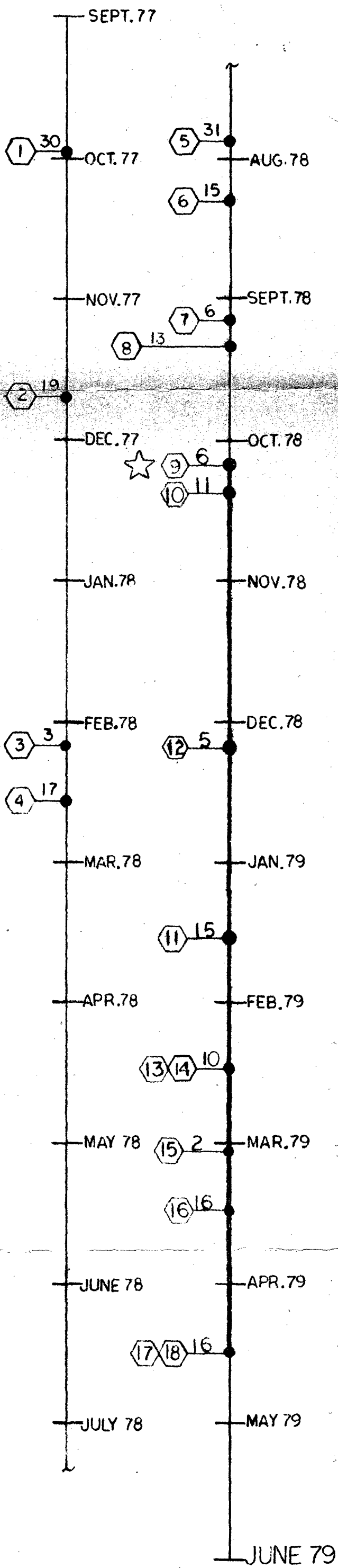
19	Mar 9, 1978	Telephone conversation with NRC concerning possible delay in MASP review and review meeting during the week of April 3.
20	April 4, 1978	Meeting in Bethesda, MD, with NRC on final MASP review
21	May 5, 1978	Meeting-DAEC Los Alamos Study Review (cancelled)
22	May 11, 1978	NRC Meeting in Albuquerque, New Mexico
23	May 17, 1978	Rescheduled meeting-DAEC Los Alamos Study Review (cancelled)
24	May 18, 1978	Rescheduled meeting-DAEC Los Alamos Study Review
25	May 22, 1978	Received NRC evaluation report for DAEC Security Plan (April 4, 1978 meeting)
26	June 19, 1978	Final Changes to MASP submitted to NRC
27	August 7, 1978	Federal Registry Published extension from compliance date August 24, 1978 to February 23, 1979
28	August 8, 1978	Meeting in Cedar Rapids with NRC to discuss security project schedule and seven Jack Berggren questions
29	August 23, 1978	Letter to NRC confirming resolutions to seven questions of August 8, 1978.
30	September 28, 1978	NRC/Jack Berggren visit to I.E. to discuss the Security Plan Evaluation Report.
31	December 1, 1978	Up date to MASP submitted to NRC



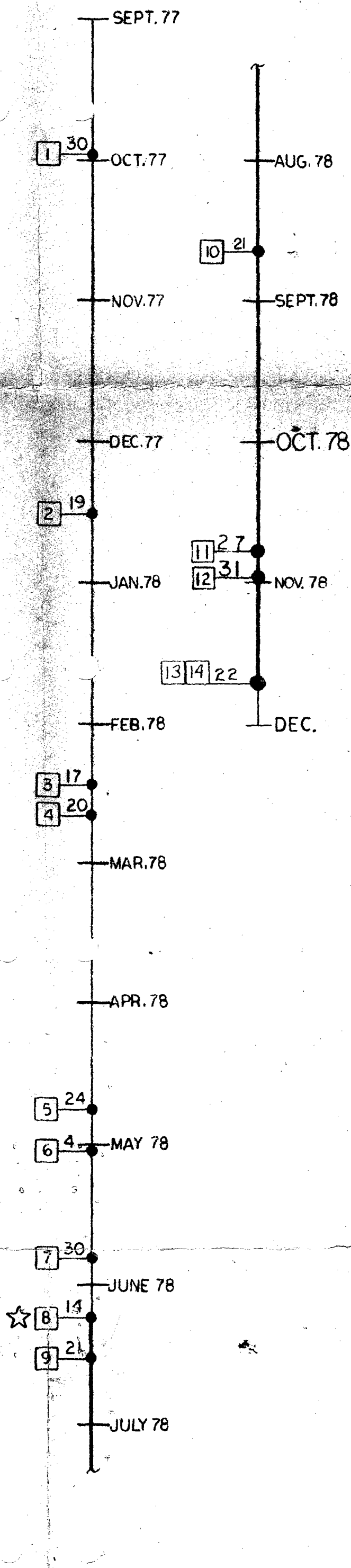
SECURITY HARDWARE



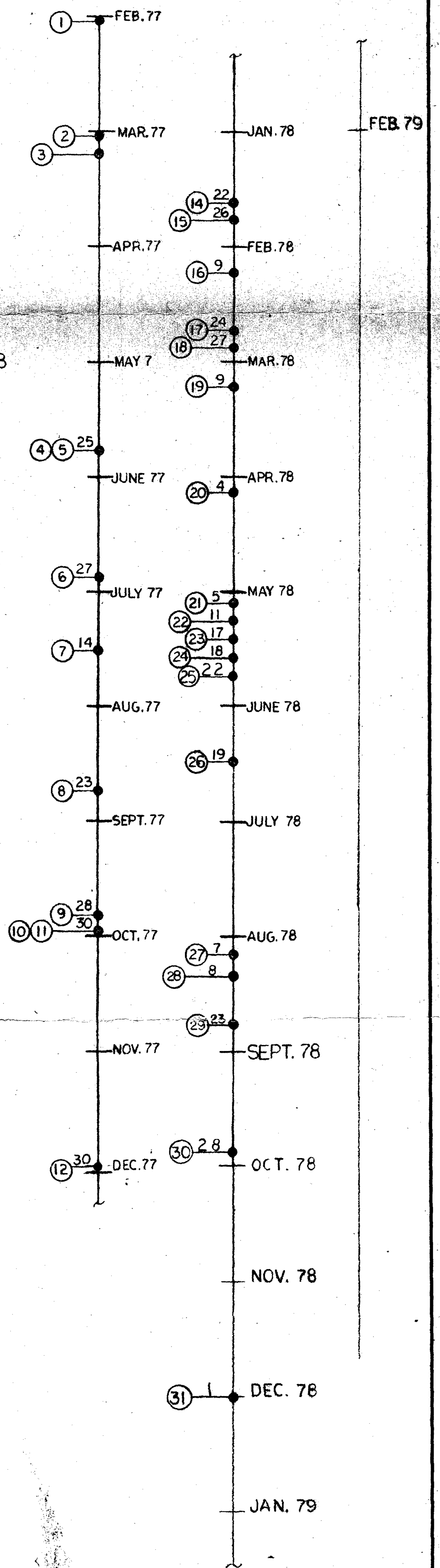
BUILDING FACILITIES



SITWORK



LICENSING ACTIVITIES



	<b>IOWA ELECTRIC LIGHT &amp; POWER CO.</b> CEDAR RAPIDS, IOWA	
	DAEC SECURITY PROJECT SCHEDULE	
	DRAWING NO.	
	REV. 2	
SCALE:	NO.	DATE
1/2"	1	7/1/78
3/4"	2	7/1/78
1"	3	7/1/78
1 1/4"	4	7/1/78
1 1/2"	5	7/1/78
2"	6	7/1/78
3"	7	7/1/78
4"	8	7/1/78
6"	9	7/1/78
8"	10	7/1/78
12"	11	7/1/78
18"	12	7/1/78
24"	13	7/1/78
36"	14	7/1/78
48"	15	7/1/78
72"	16	7/1/78
96"	17	7/1/78
144"	18	7/1/78
192"	19	7/1/78
288"	20	7/1/78
384"	21	7/1/78
576"	22	7/1/78
768"	23	7/1/78
1152"	24	7/1/78
1728"	25	7/1/78
2592"	26	7/1/78
3888"	27	7/1/78
5760"	28	7/1/78
8640"	29	7/1/78
12960"	30	7/1/78
19440"	31	7/1/78

