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 AUTH. NAME AUTHOR AFFILIATION
 BOUCHEY, G.D. Washington Public Power Supply System
 RECIPIENT NAME RECIPIENT AFFILIATION
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Forwards addl info re containment out-of-roundness of shell plates per util 821208 ltr in response to KC Leu questions.

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	NSIC 05	1 1	NTIS	1 1

Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

February 8, 1983
G02-83-103
NS-L-02-CDT-83-016

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

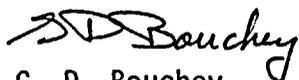
Subject: NUCLEAR PROJECT NO. 2
ADDITIONAL INFORMATION ON
CONTAINMENT OUT-OF-ROUNDNESS

Reference: G02-82-967, G.D. Bouchey (SS) to A. Schwencer
(NRC), Same Subject, dated December 8, 1982

Attached are responses to the additional informal questions raised by Mr. K.C. Leu of the NRC staff. These questions came from the NRC review of the reference letter.

We hope this information is sufficient for you to complete your review. Let us know if we can be of further assistance.

Very truly yours,



G. D. Bouchey
Manager, Nuclear Safety and Regulatory Programs

CDT/jca
Attachment

cc: R Auluck - NRC
WS Chin - BPA
KC Leu - NRC
A. Toth - NRC Site

Bool

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PDR ADOCK 05000397
A PDR

ATTACHMENT

1. ASME Tolerances:

(a) NE 4221.2

Circularity of shell plates was checked in the shop, by use of templates, prior to shipping shell sections to the site. No documentation has been found providing positive indication that templates of the required chord length were used, and that deviations from true circular form were within the allowable tolerance. However, unless nonconforming conditions existed which would have required reconciliation with the stress report per NE 4221.3, actual as-built deviations from true circularity would not have been documented. Therefore, due to lack of any evidence to the contrary, and based on procedural controls in effect at the time, it must be assumed that circularity of shell plates met Specification 213 and ASME requirements.

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As-built dimensions of the drywell head and skirt meet ASME requirements.

2. Specification 213 Tolerances:

Tolerances in Section 4.4 of Section 13A on penetrations, air lock, equipment hatch, and plumbness were met, except that in some cases penetration as-built locations may have exceeded the tolerance allowed. See discussion below on penetrations.

3. Penetrations:

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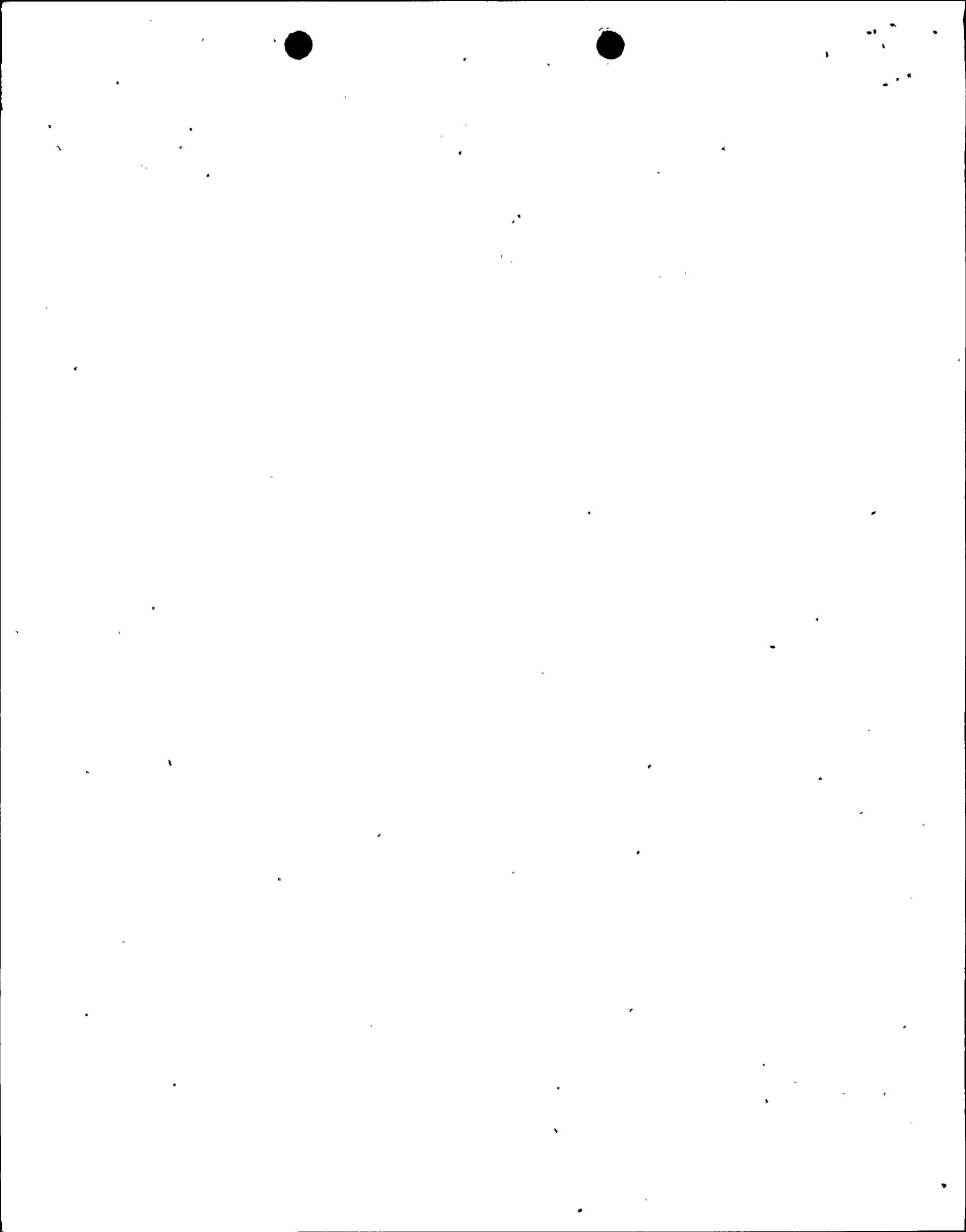
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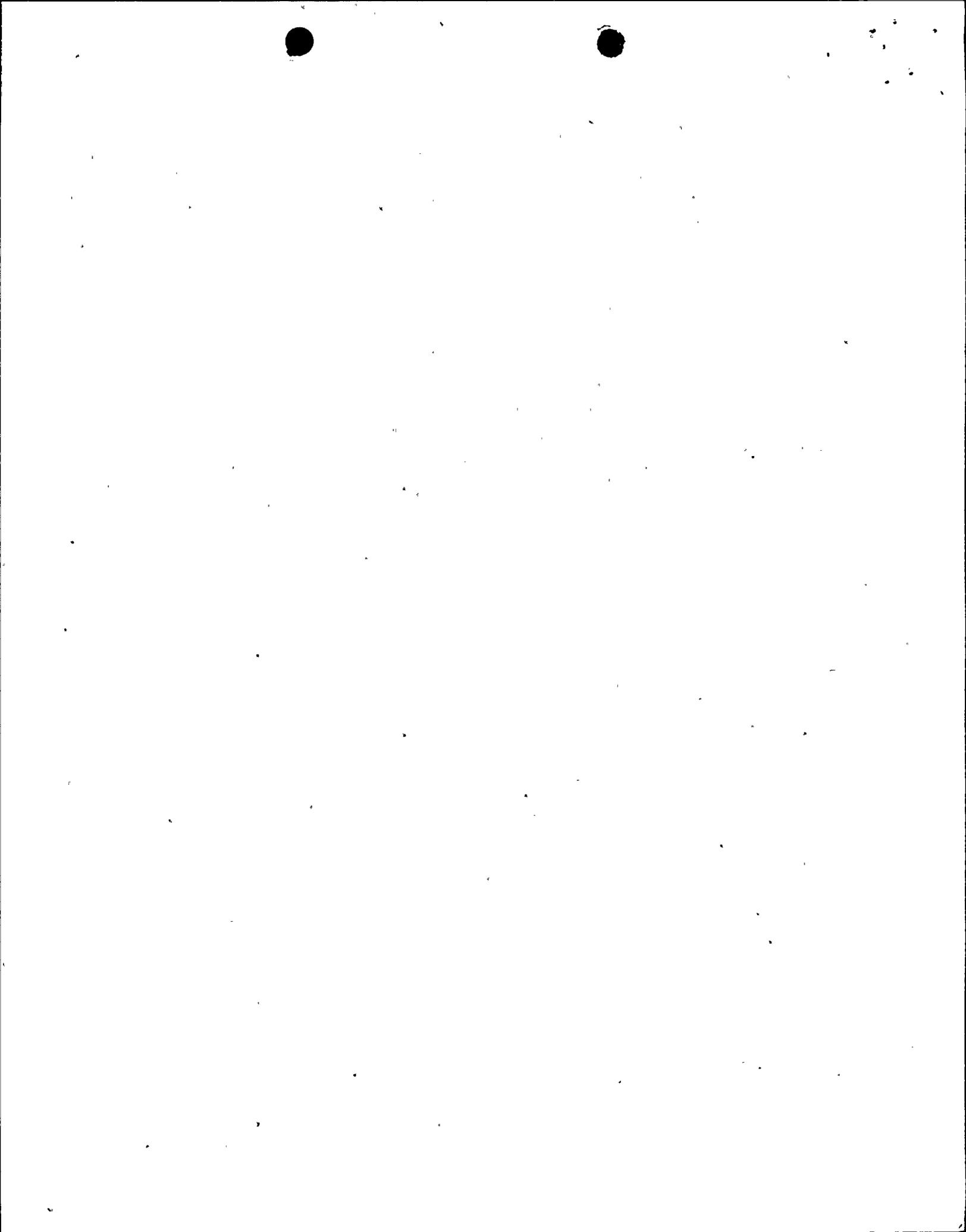
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Tolerances in Section 4.4 of Section 13A on penetrations, air lock, equipment hatch, and plumbness were met, except that in some cases penetration as-built locations may have exceeded the tolerance allowed. See discussion below on penetrations.

3. Penetrations:

As-built containment penetration elevations, azimuths, and orientations are acceptable, since as-built penetration locations were considered in final design and fabrication of piping, as discussed in our letter G02-82-967.

ATTACHMENT

1. ASME Tolerances:

(a) NE 4221.2

Circularity of shell plates was checked in the shop, by use of templates, prior to shipping shell sections to the site. No documentation has been found providing positive indication that templates of the required chord length were used, and that deviations from true circular form were within the allowable tolerance. However, unless nonconforming conditions existed which would have required reconciliation with the stress report per NE 4221.3, actual as-built deviations from true circularity would not have been documented. Therefore, due to lack of any evidence to the contrary, and based on procedural controls in effect at the time, it must be assumed that circularity of shell plates met Specification 213 and ASME requirements.

(b) NE 4222.1

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2. Specification 213 Tolerances:

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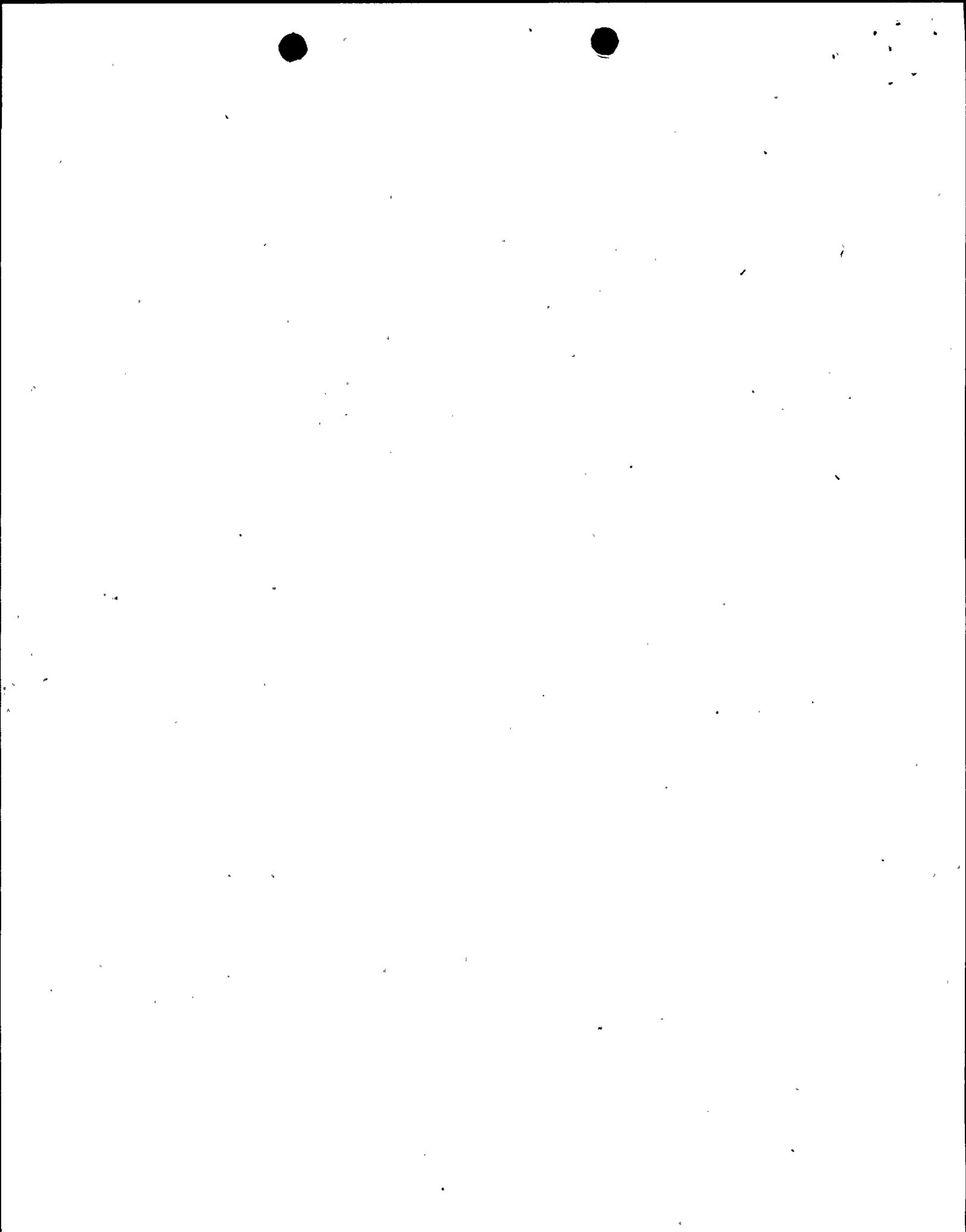
As-built dimensions of the drywell head and skirt meet ASME requirements.

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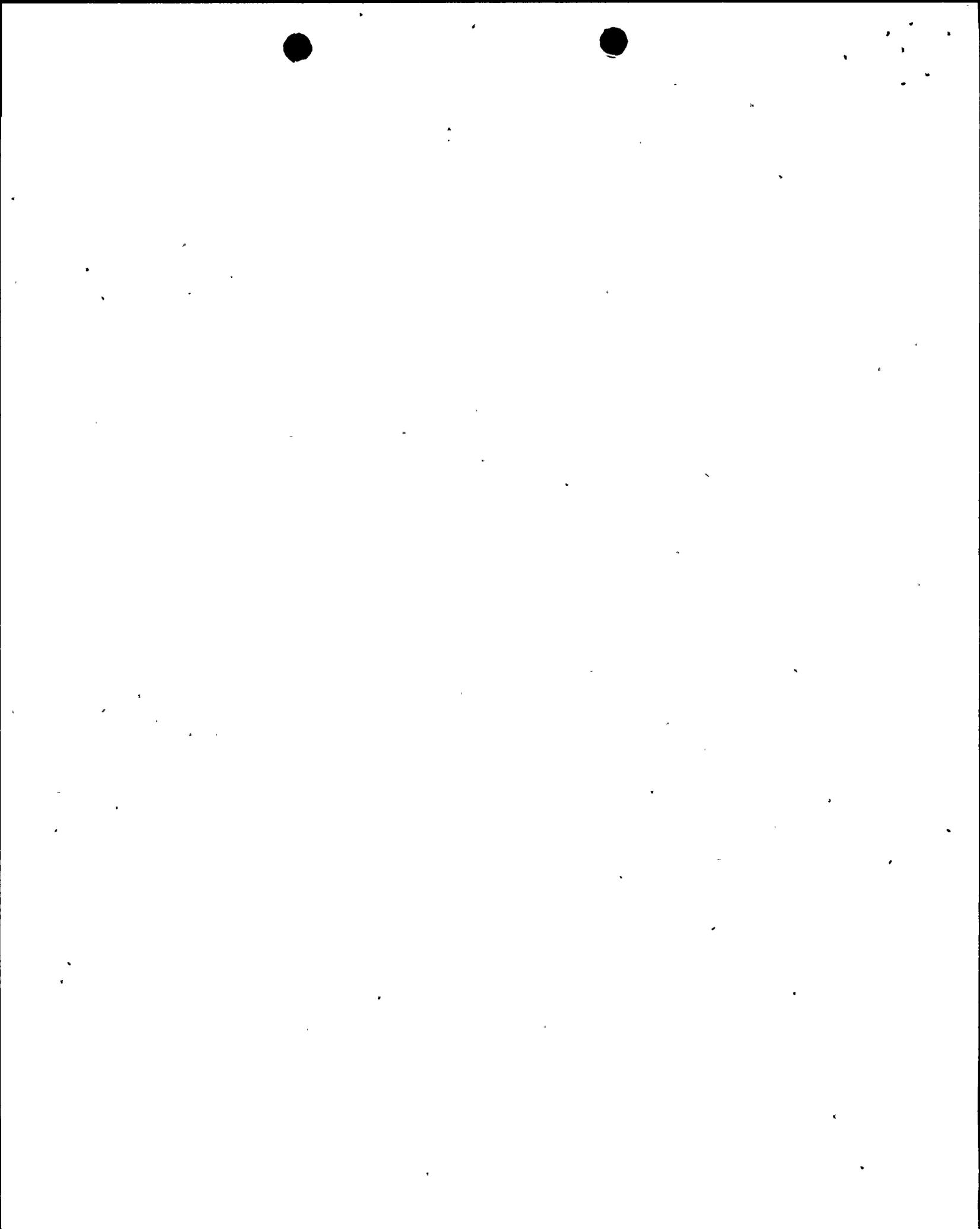
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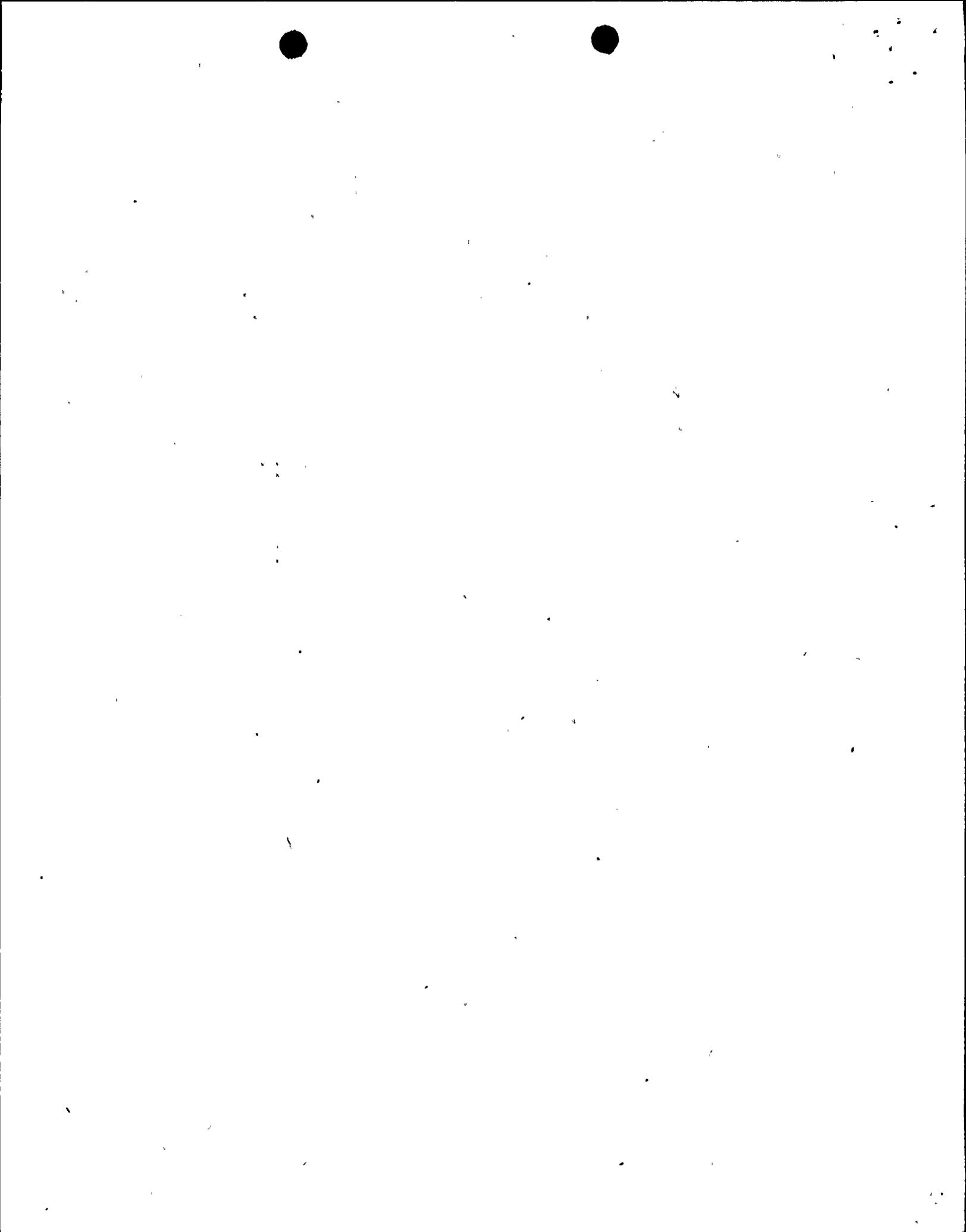
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(b) NE 4222.1

As-built dimensions of the drywell head and skirt meet ASME requirements.

2. Specification 213 Tolerances:

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(b) NE 4222.1

As-built dimensions of the drywell head and skirt meet ASME requirements.

2. Specification 213 Tolerances:

Tolerances in Section 4.4 of Section 13A on penetrations, air lock, equipment hatch, and plumbness were met, except that in some cases penetration as-built locations may have exceeded the tolerance allowed. See discussion below on penetrations.

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(b) NE 4222.1

As-built dimensions of the drywell head and skirt meet ASME requirements.

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(b) NE 4222.1

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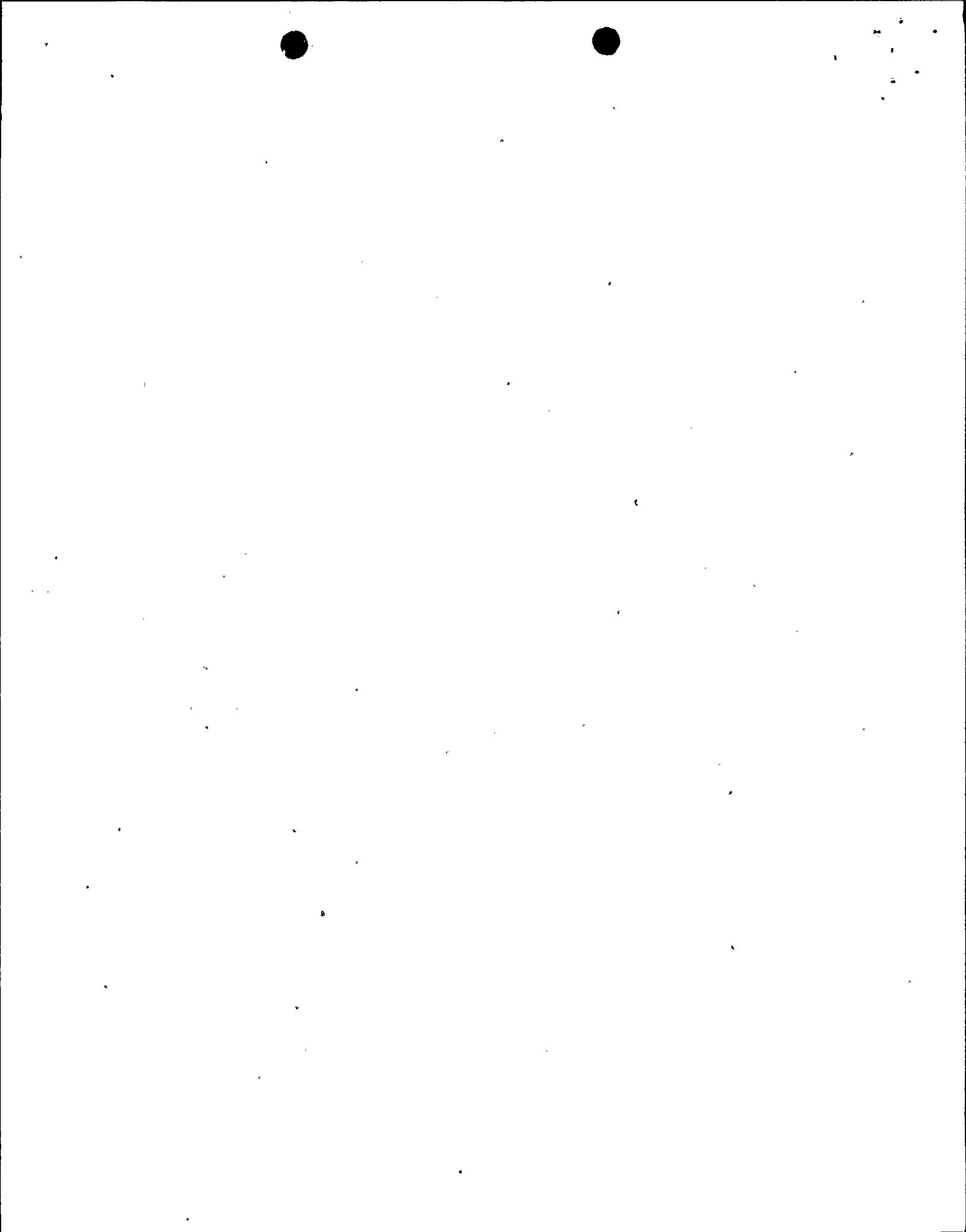
As-built dimensions of the drywell head and skirt meet ASME requirements.

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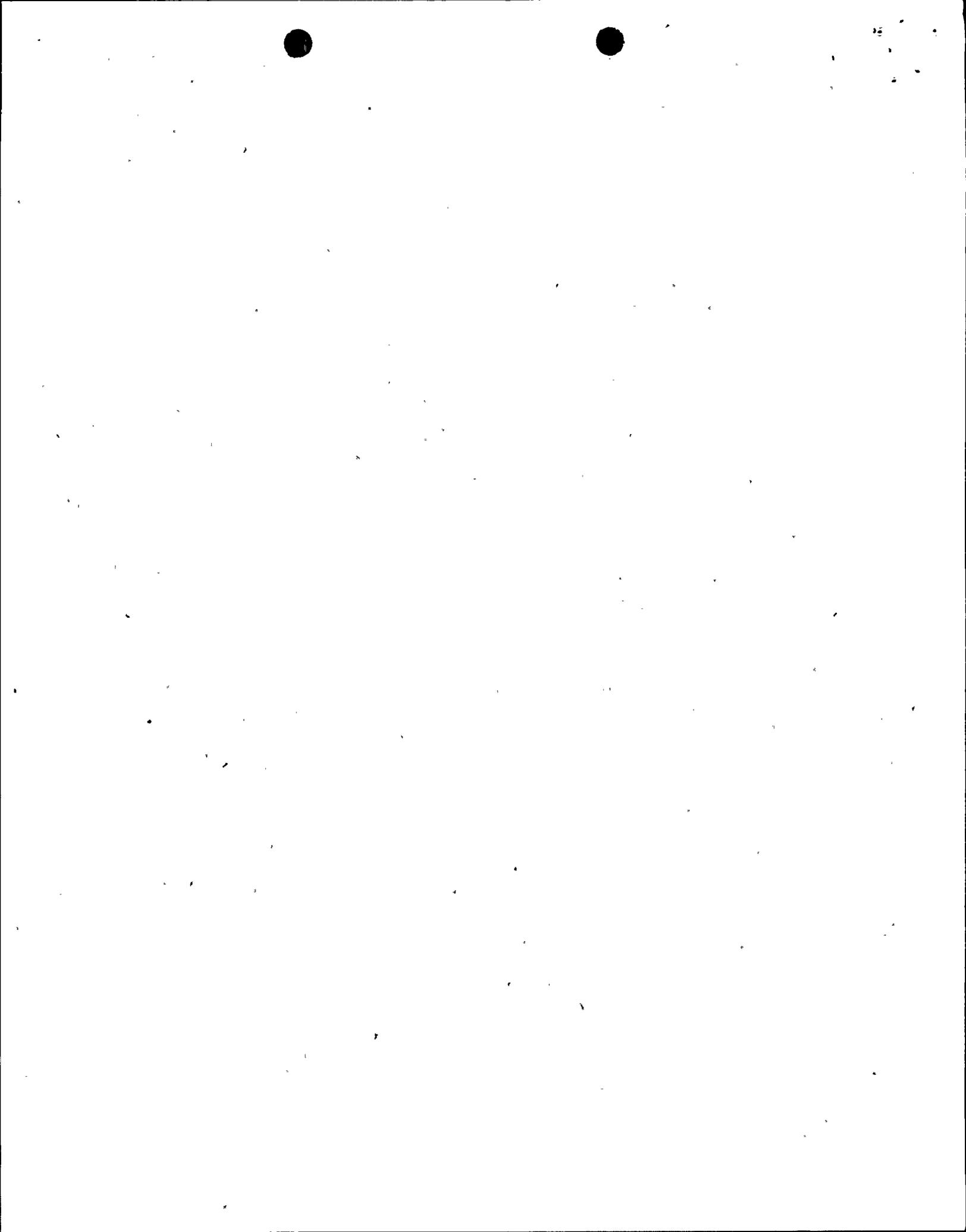
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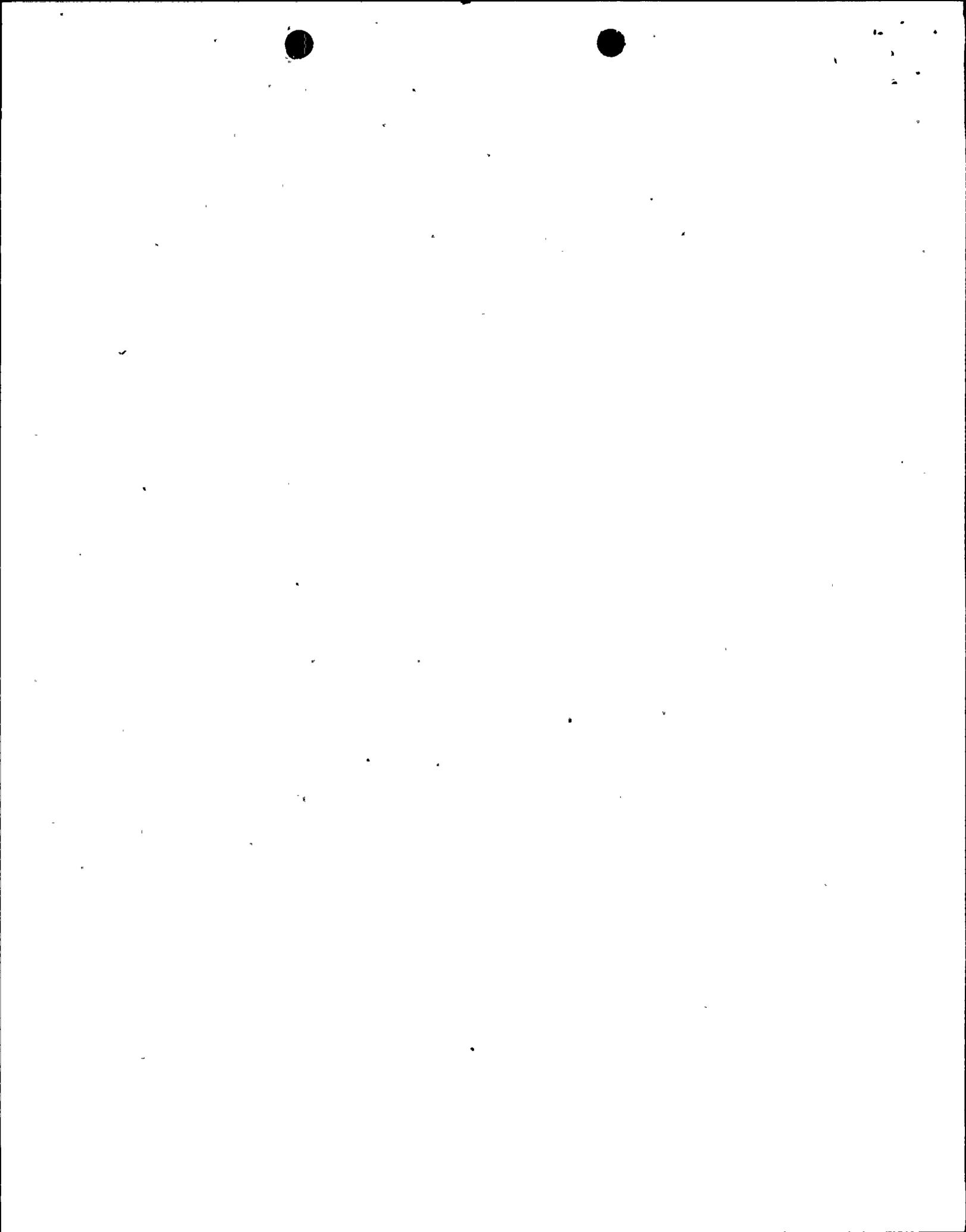
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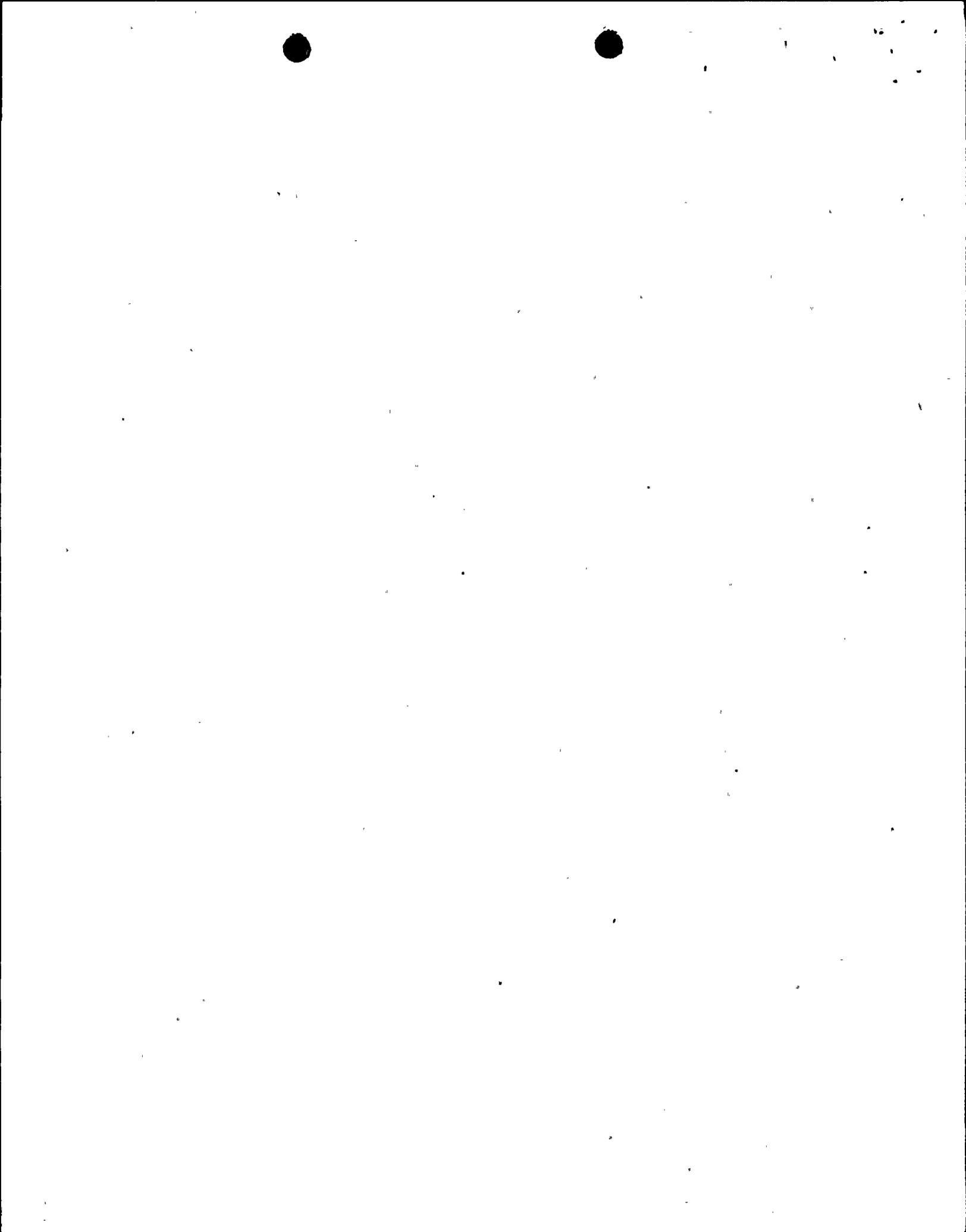
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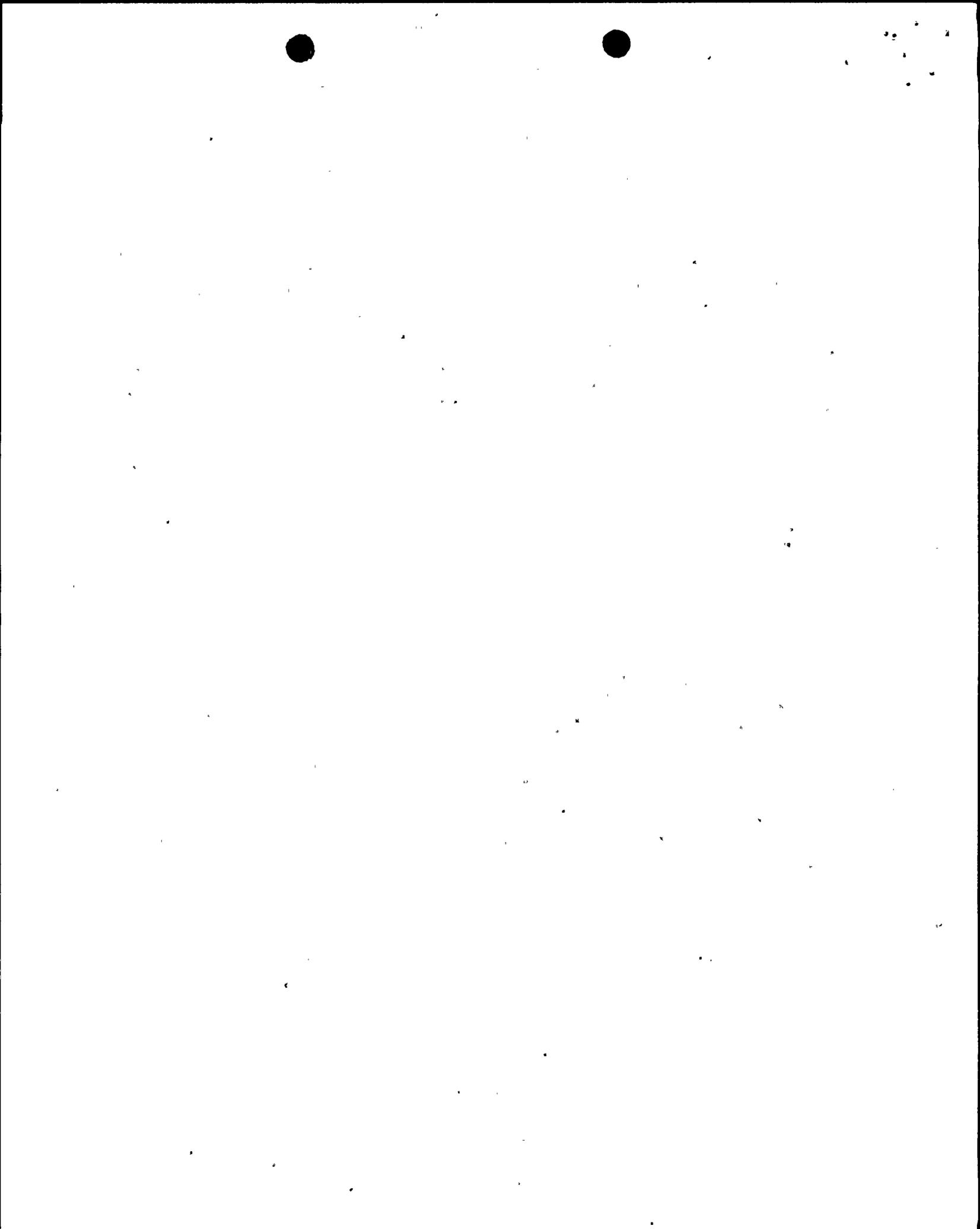
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(b) NE 4222.1

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ATTACHMENT

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(b) NE 4222.1

As-built dimensions of the drywell head and skirt meet ASME requirements.

2. Specification 213 Tolerances:

Tolerances in Section 4.4 of Section 13A on penetrations, air lock, equipment hatch, and plumbness were met, except that in some cases penetration as-built locations may have exceeded the tolerance allowed. See discussion below on penetrations.

3. Penetrations:

As-built containment penetration elevations, azimuths, and orientations are acceptable, since as-built penetration locations were considered in final design and fabrication of piping, as discussed in our letter G02-82-967.

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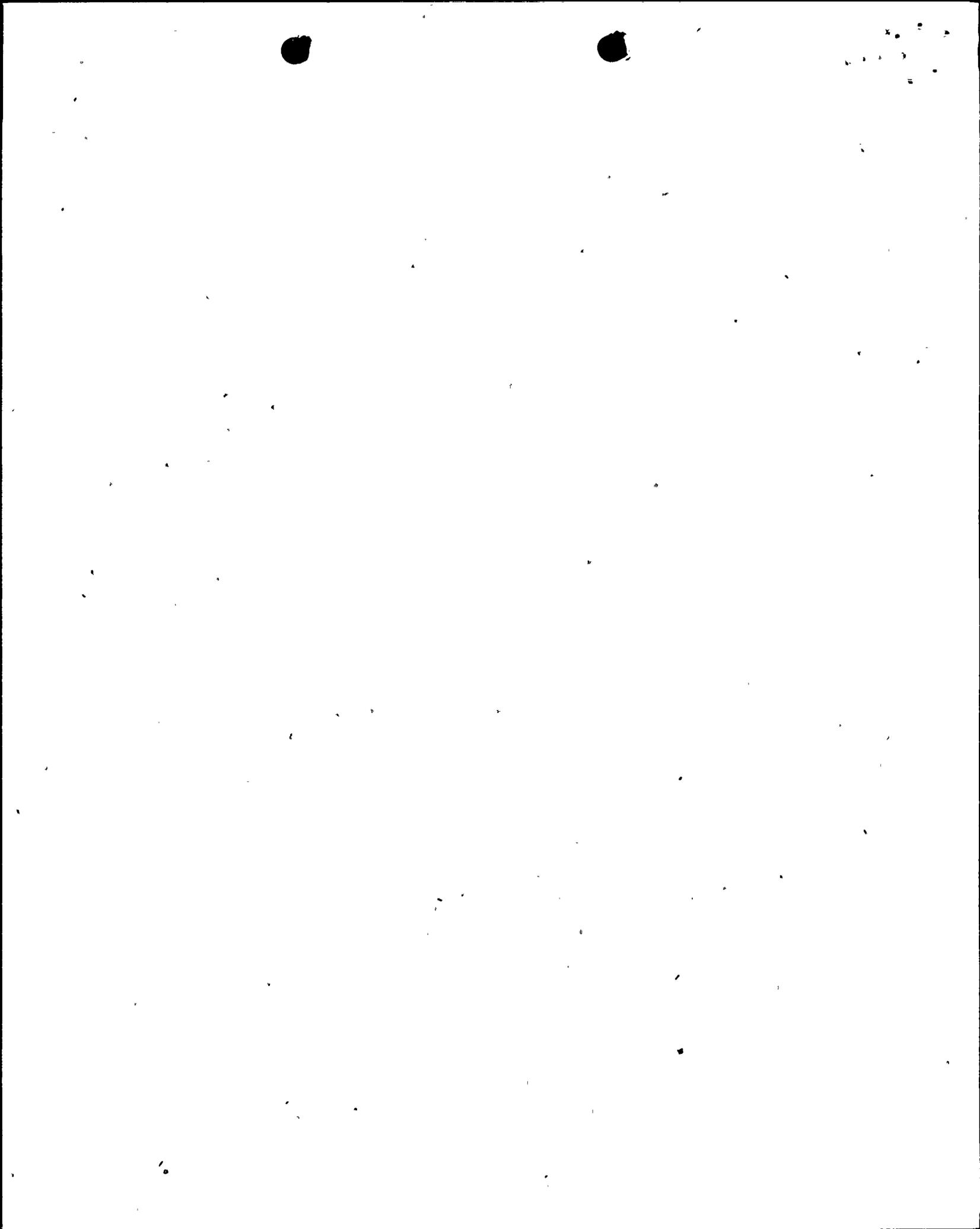
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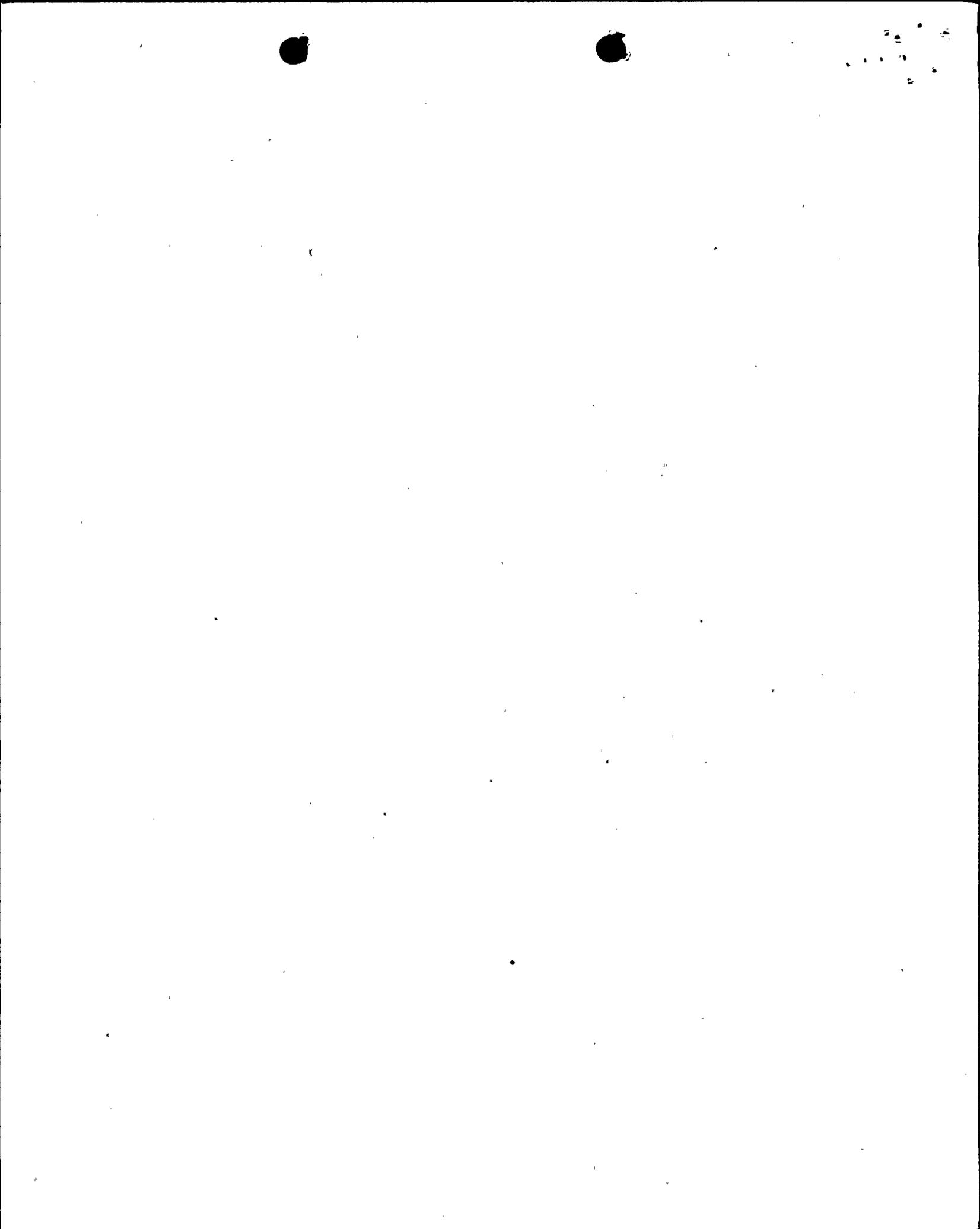
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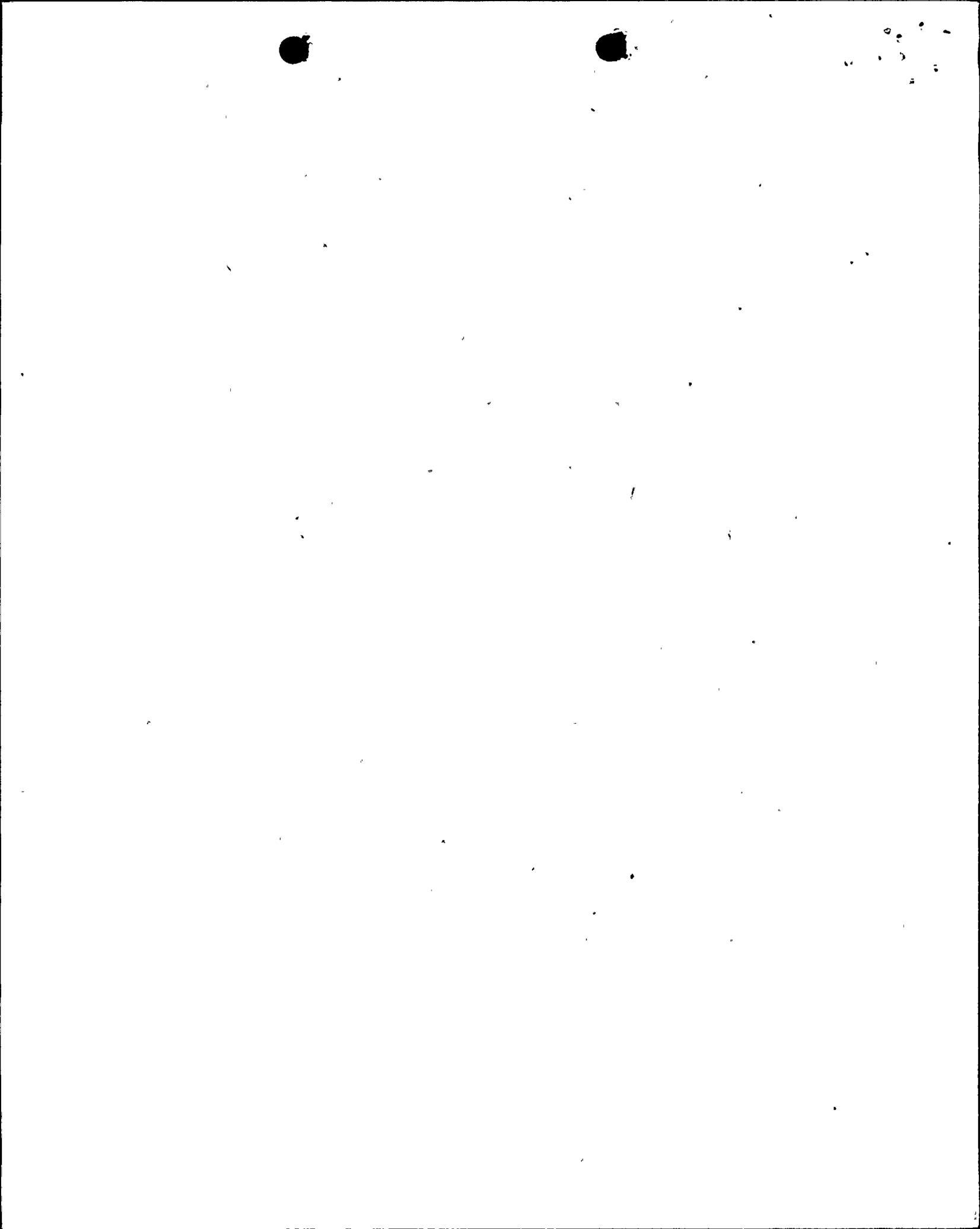
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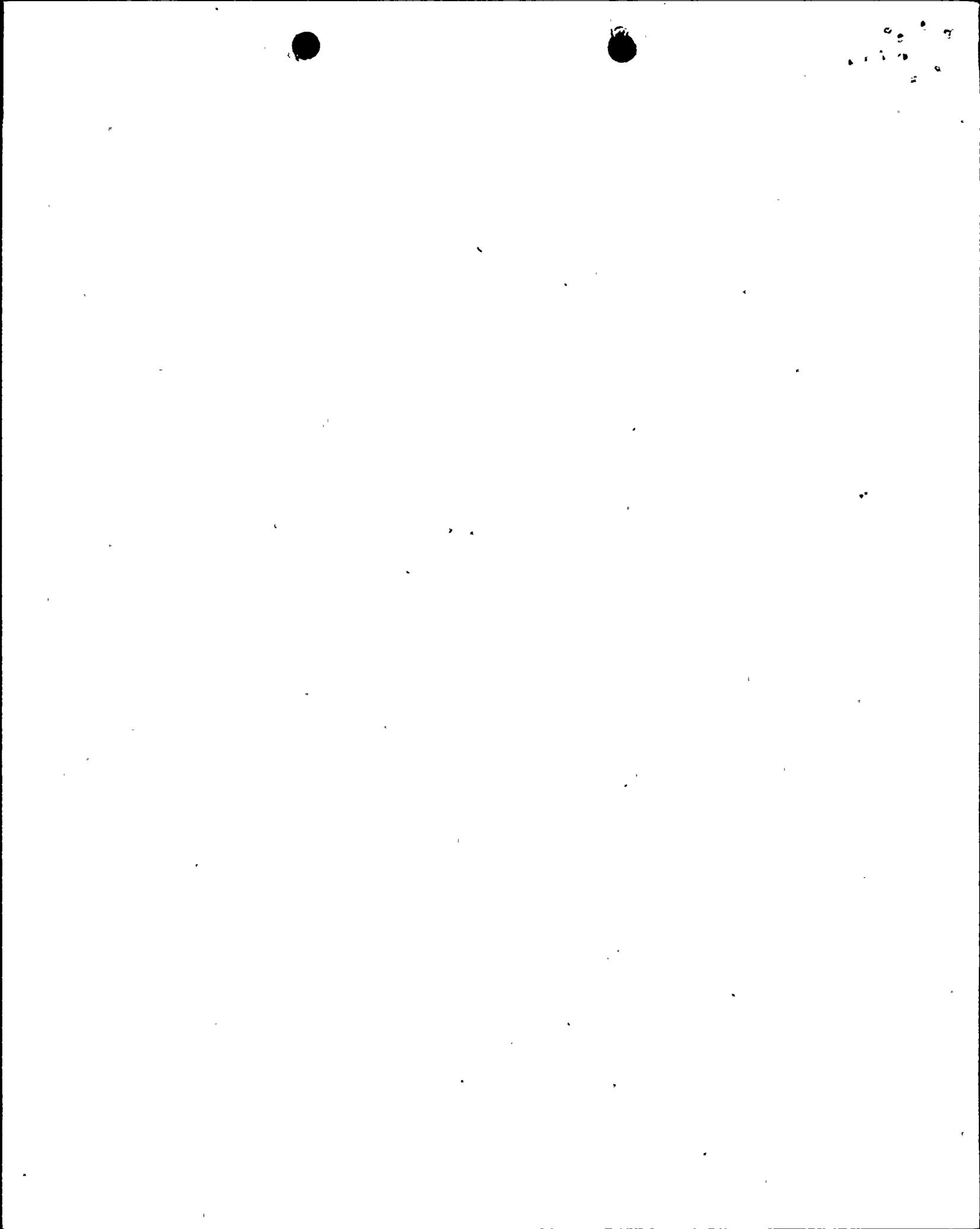
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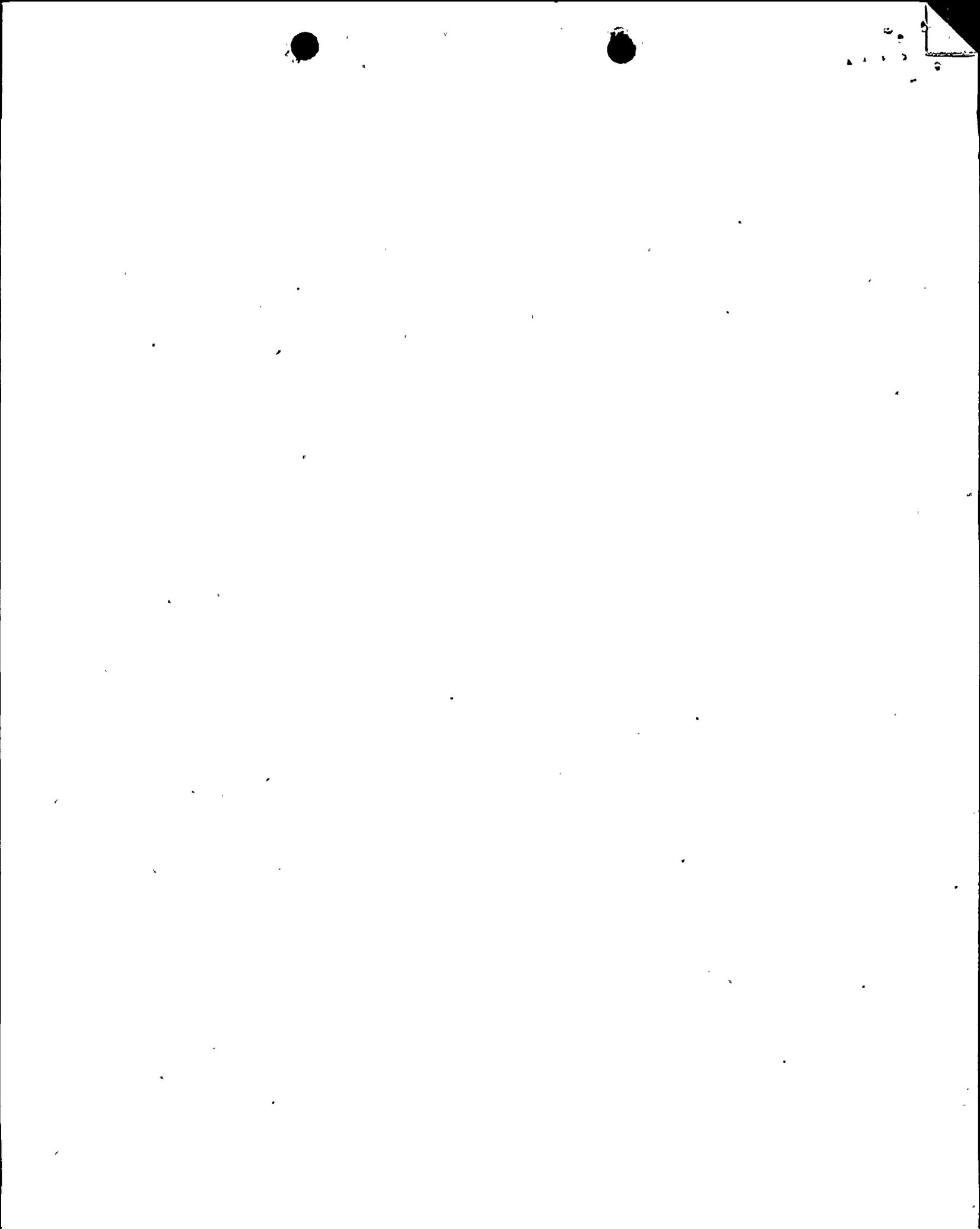
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