

From: Hamilton, Joshua (J.)
Sent: Friday, September 30, 2022 10:07 AM
To: Adam, Paul (P.J.)
Subject: FW: Your request US220816 regarding Quality Engine, 2022 Nano Engine Valve Fatigue Samples
Attachments: US220816 - Quality Engine, 2022 Nano Engine Valve Fatigue Samples, Durability, QLT14.pdf

Paul,

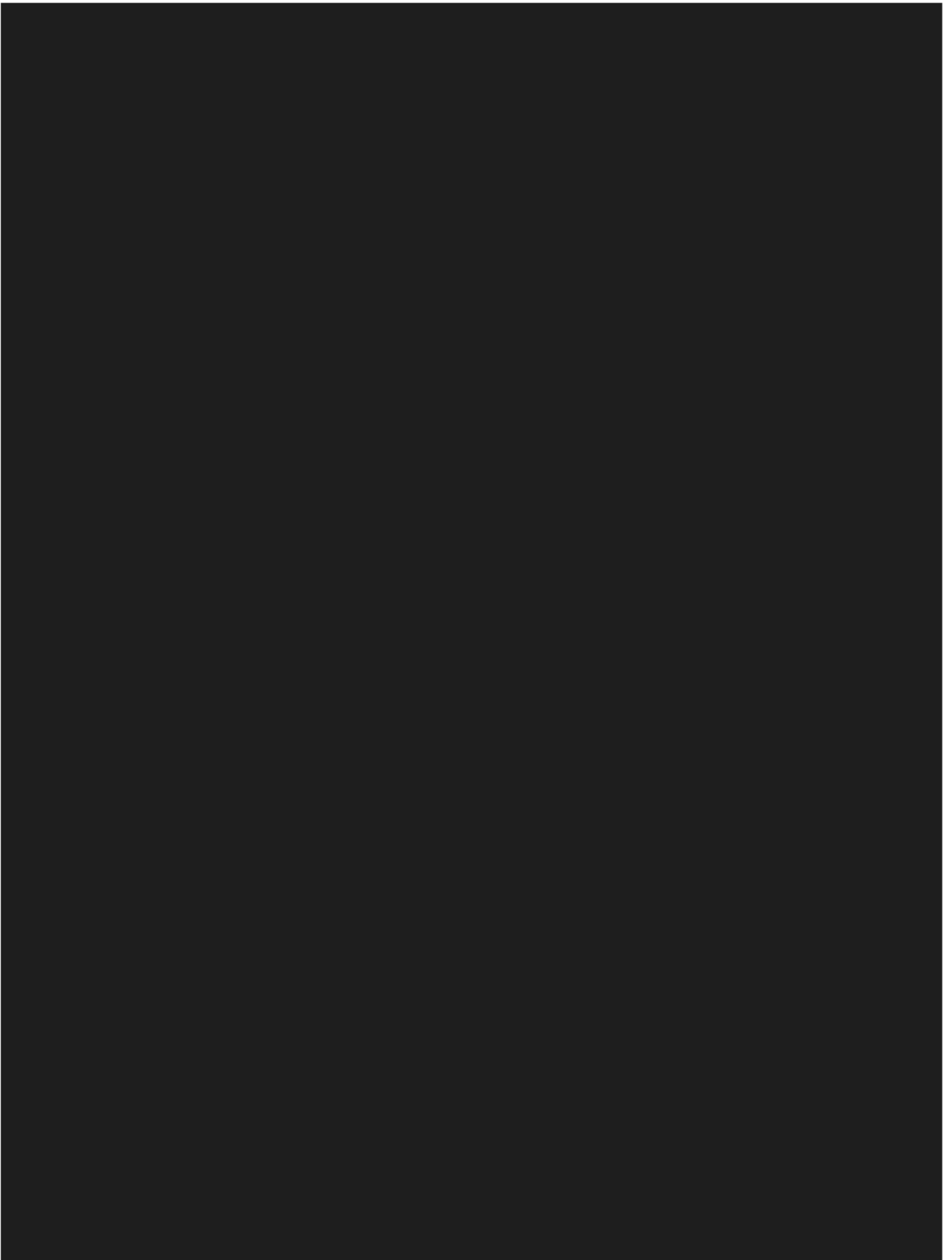
Josh Hamilton
Materials Engineer
Ford Motor Company
jhami139@ford.com
(313)815-7917

From: Wolfe, Scott (S.) <swolfe2@ford.com>
Sent: Thursday, September 29, 2022 8:37 PM
To: Hamilton, Joshua (J.) <JHAMI139@ford.com>
Cc: Jackson, Mariah (M.) <MJACK276@ford.com>
Subject: Your request US220816 regarding Quality Engine, 2022 Nano Engine Valve Fatigue Samples

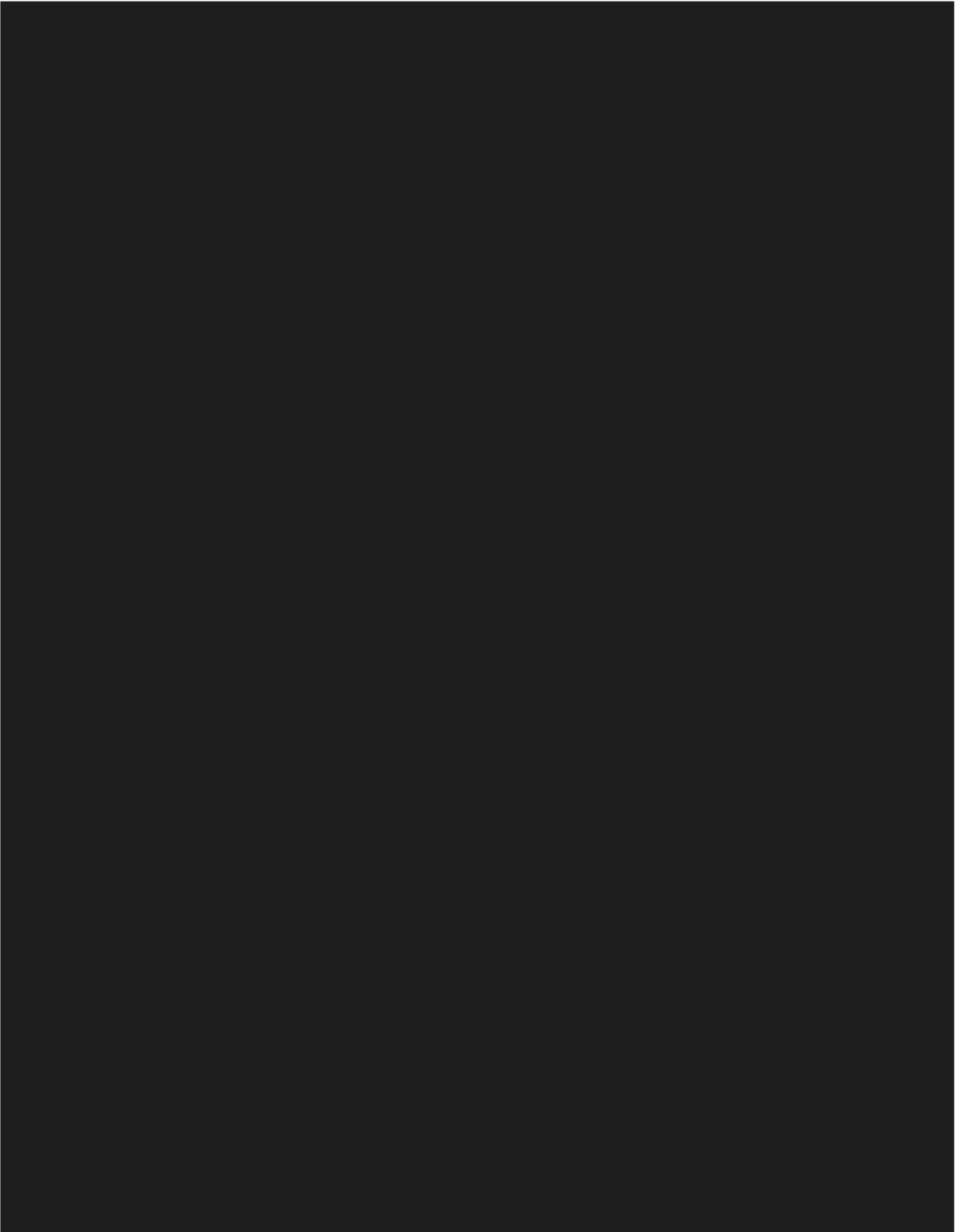
Josh,

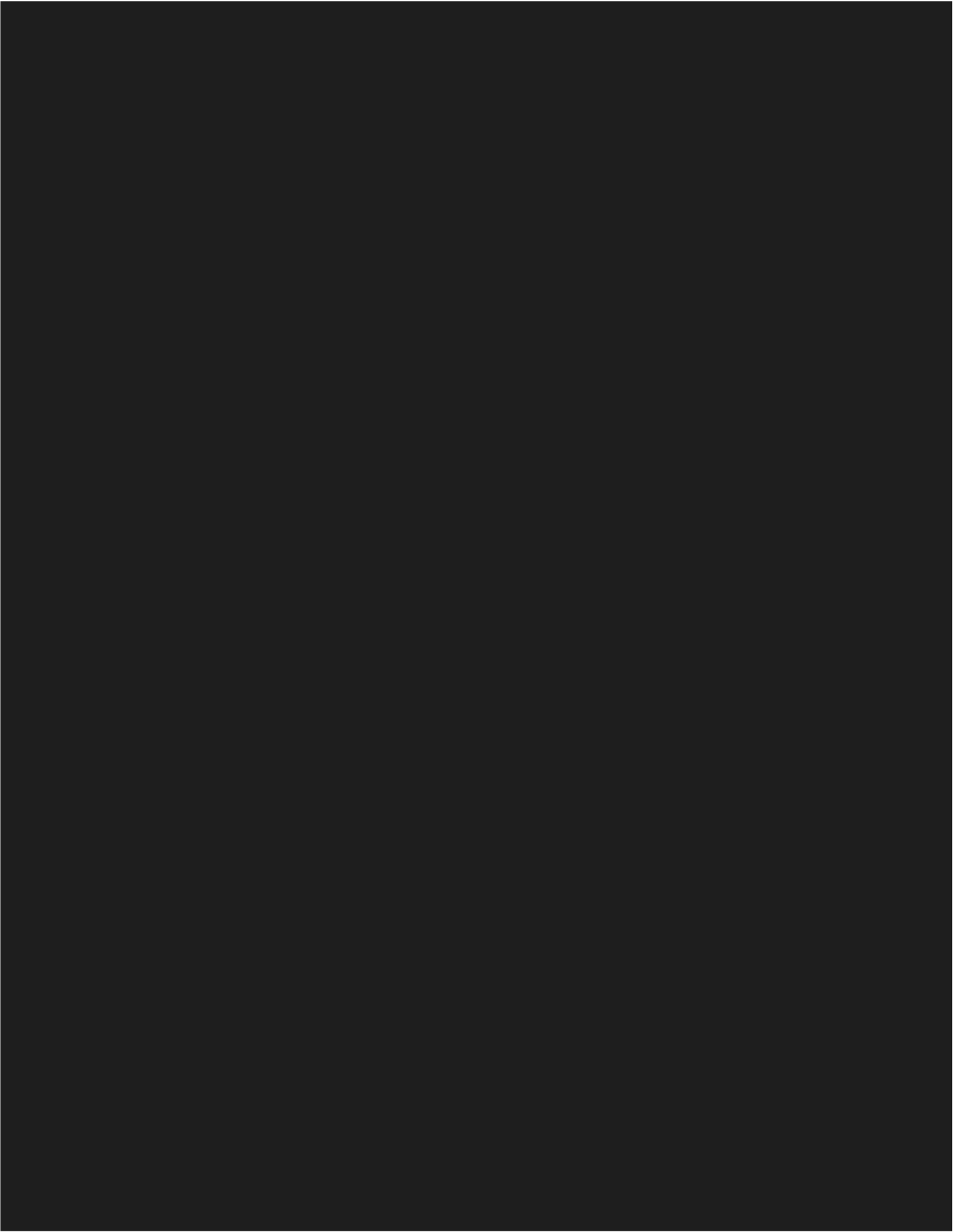
Your request US220816 regarding Quality Engine, 2022 Nano Engine Valve Fatigue Samples has been completed, see the attached report.

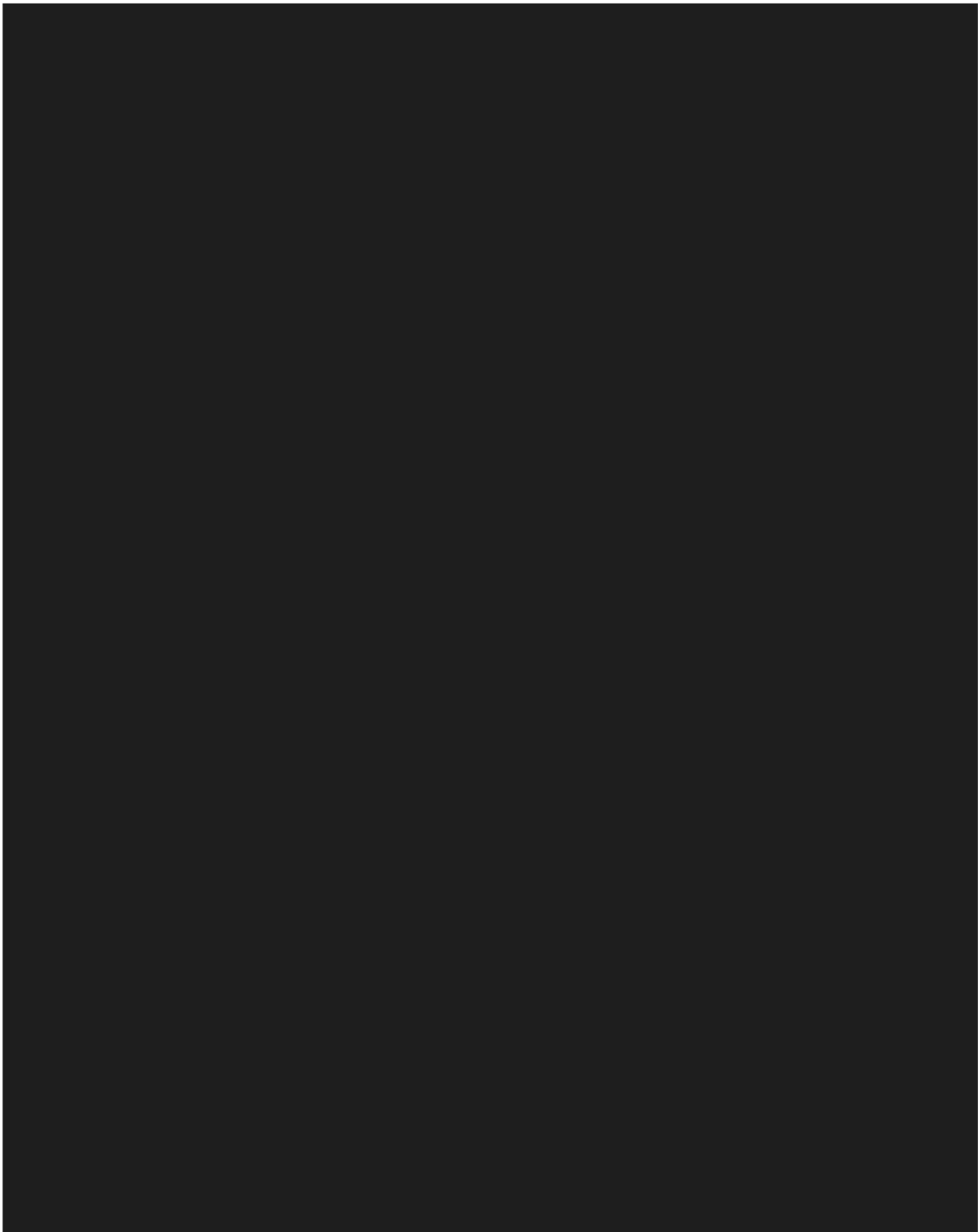
Scott Wolfe *(he/him/his)*
Supervisor – Metallurgy & Mechanical Testing
Central Laboratory - Ford Motor Company
(313)480-0099 | swolfe2@ford.com
[Central Laboratory Website](#)
[Central Laboratory Request System \(CLRS\)](#)
[Materials Engineering Website](#)

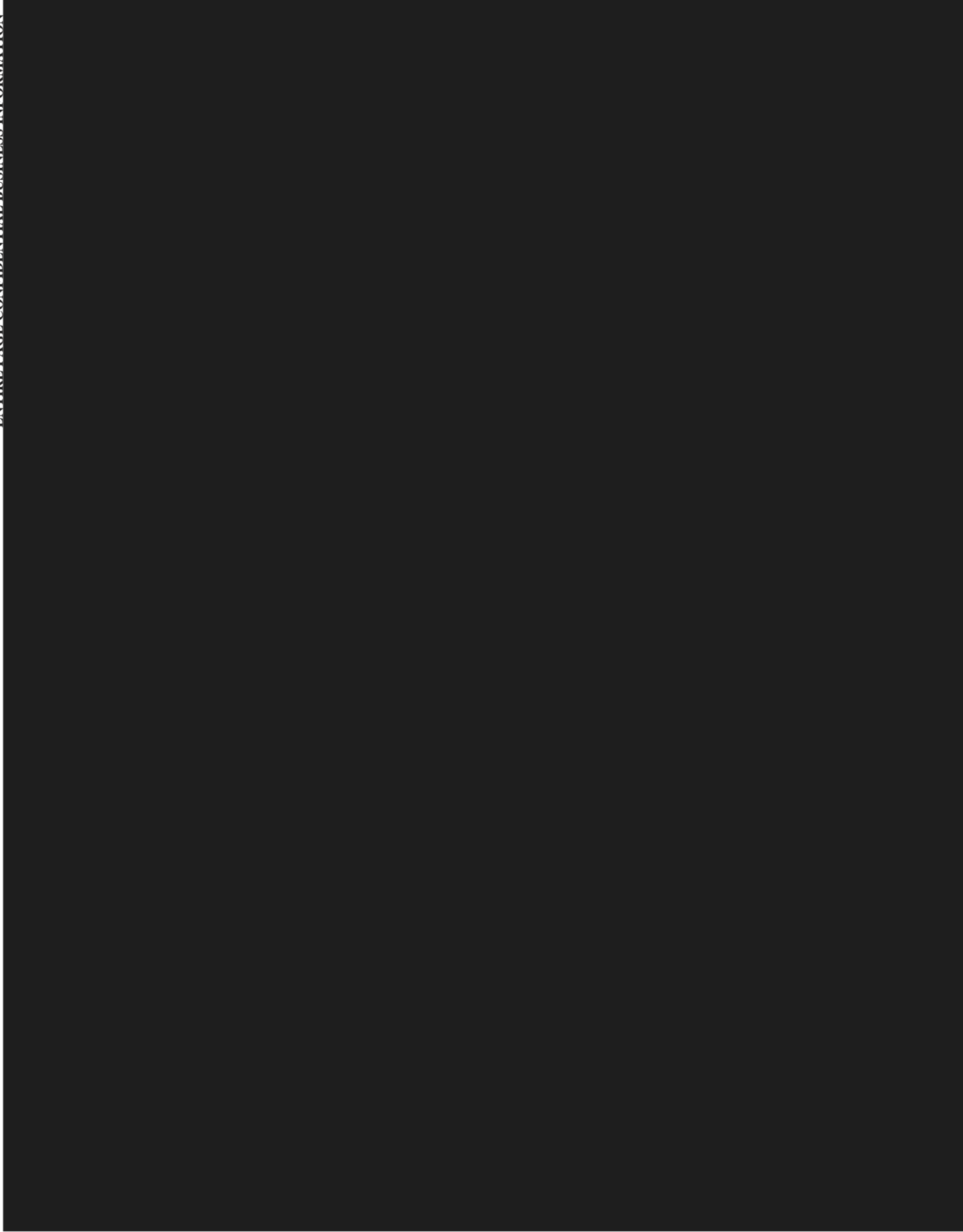


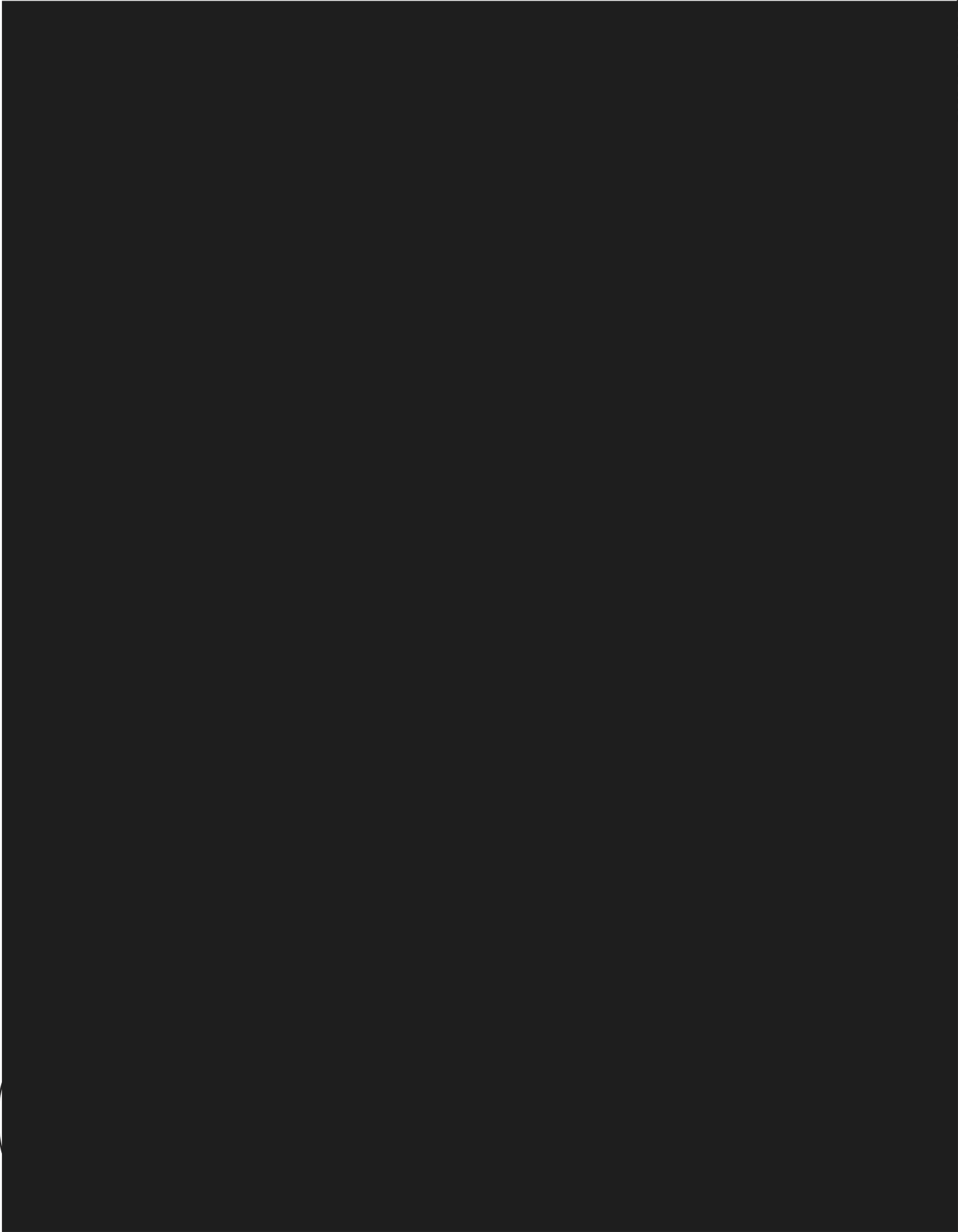




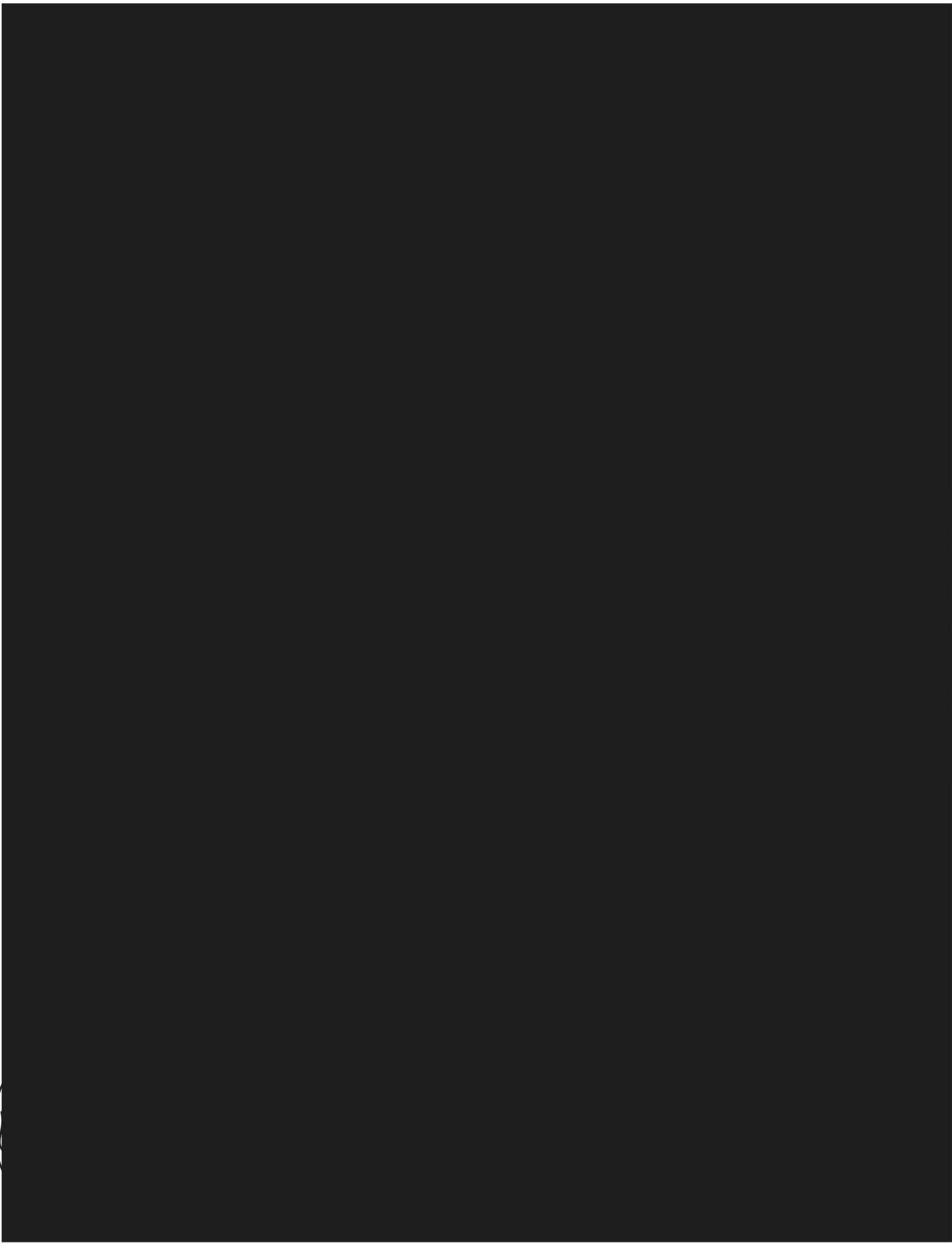






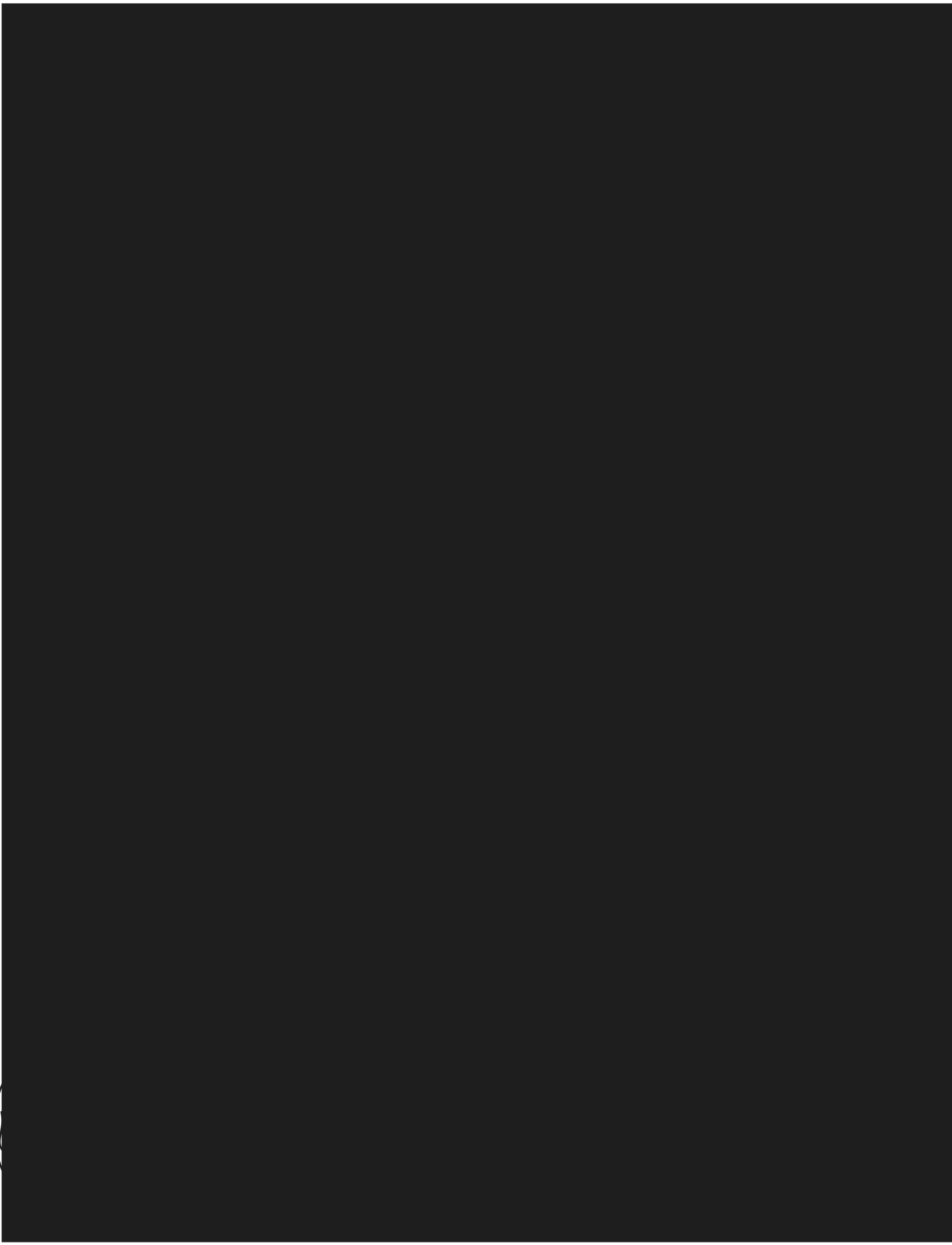


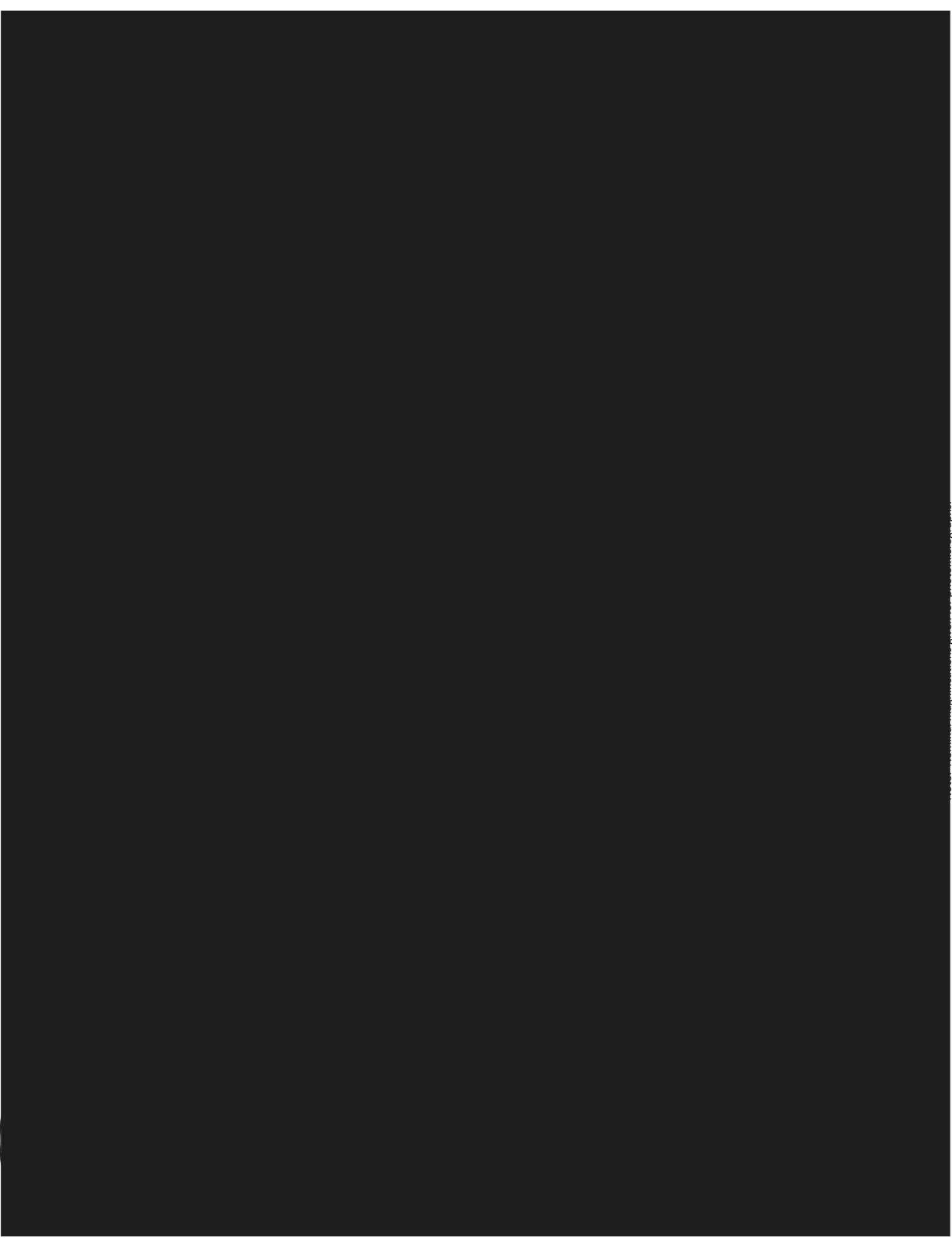


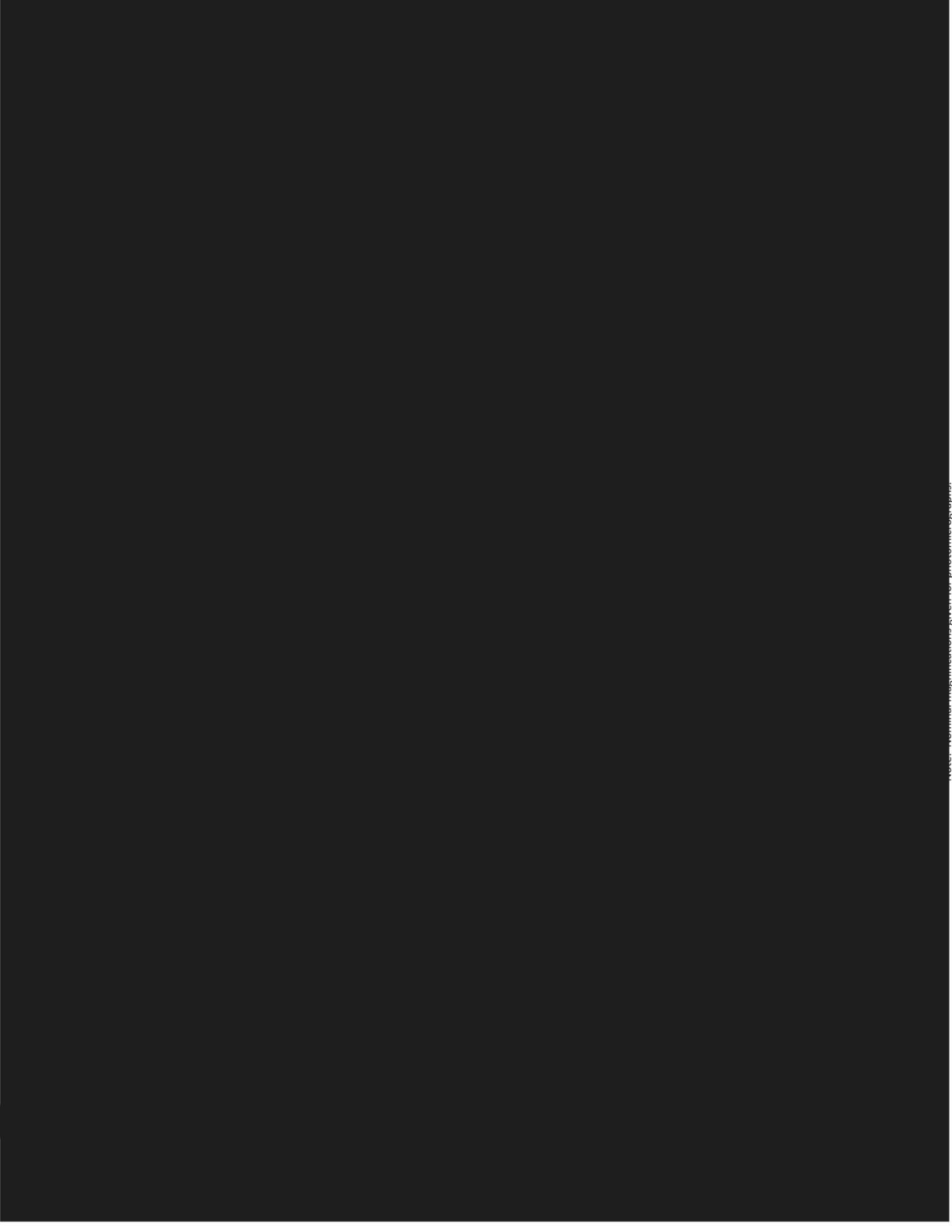


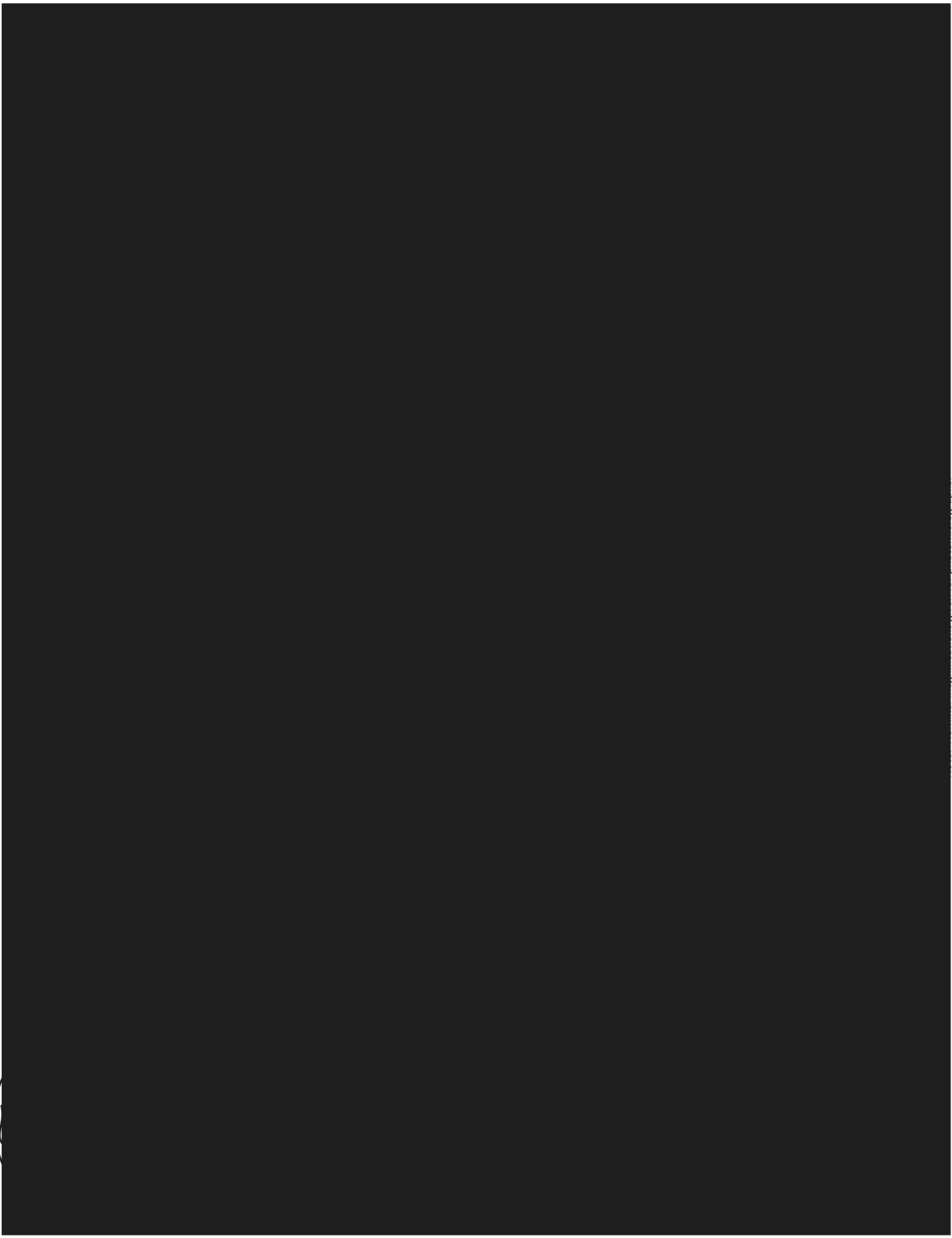
Note: Nonmirrored communications given for photomicrographs.





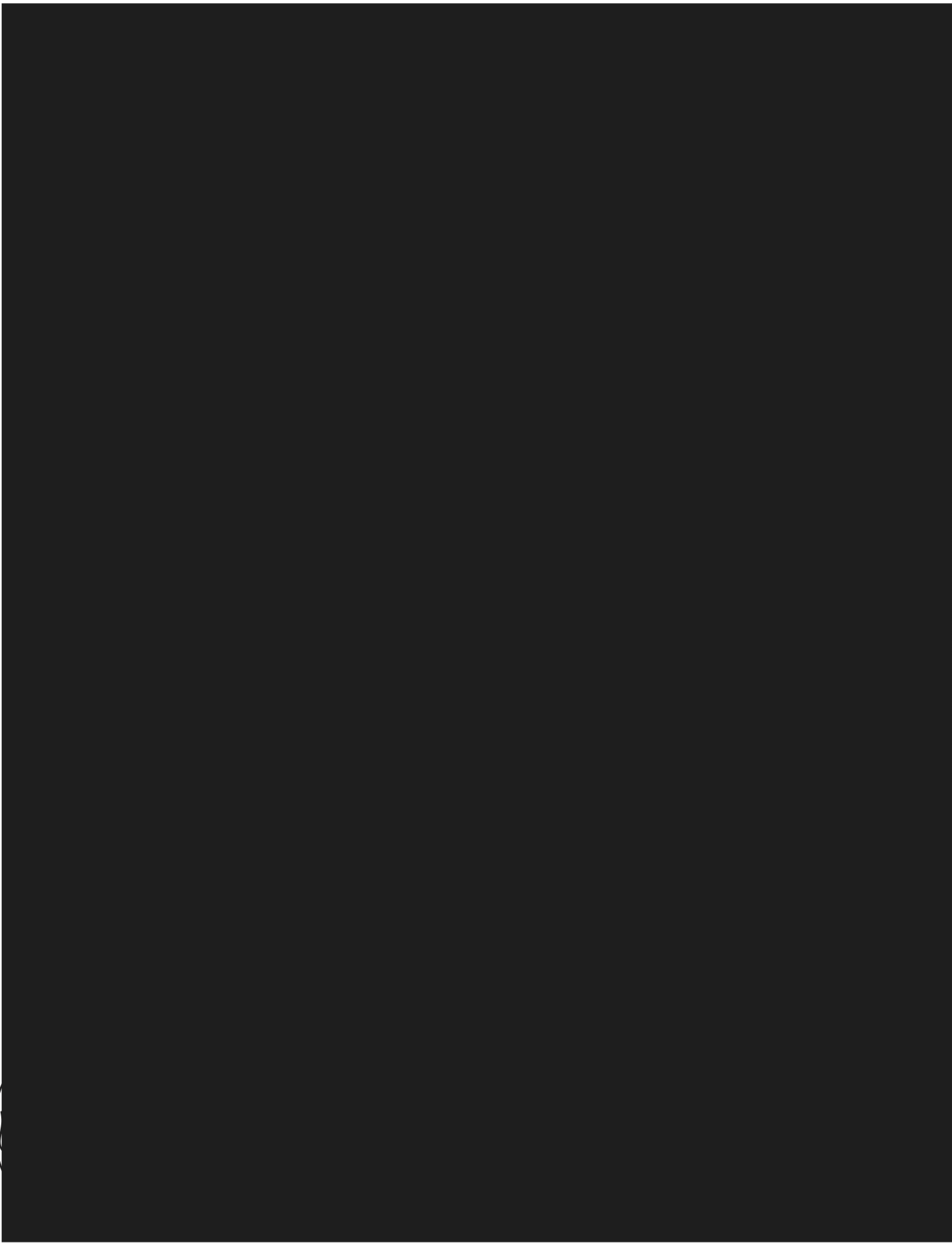






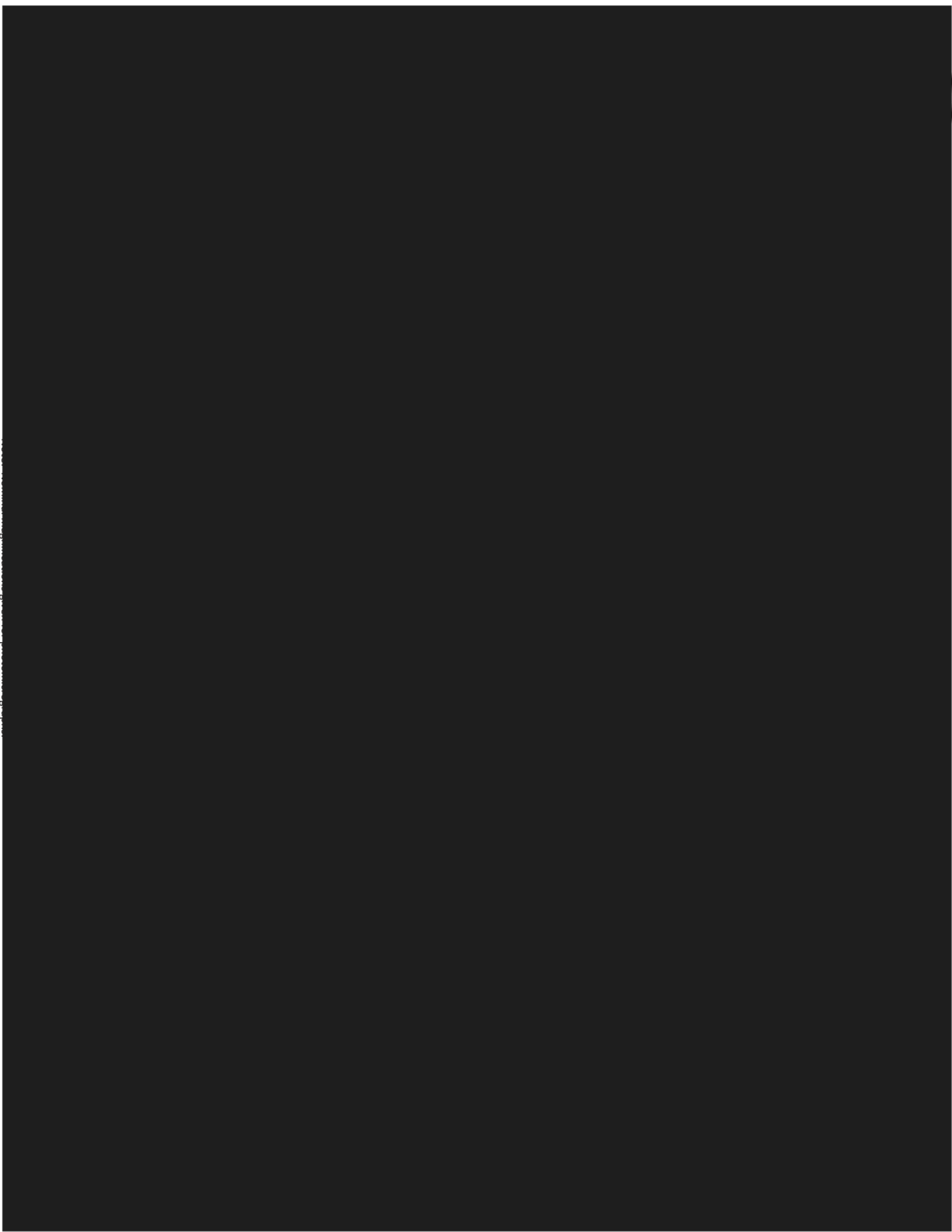


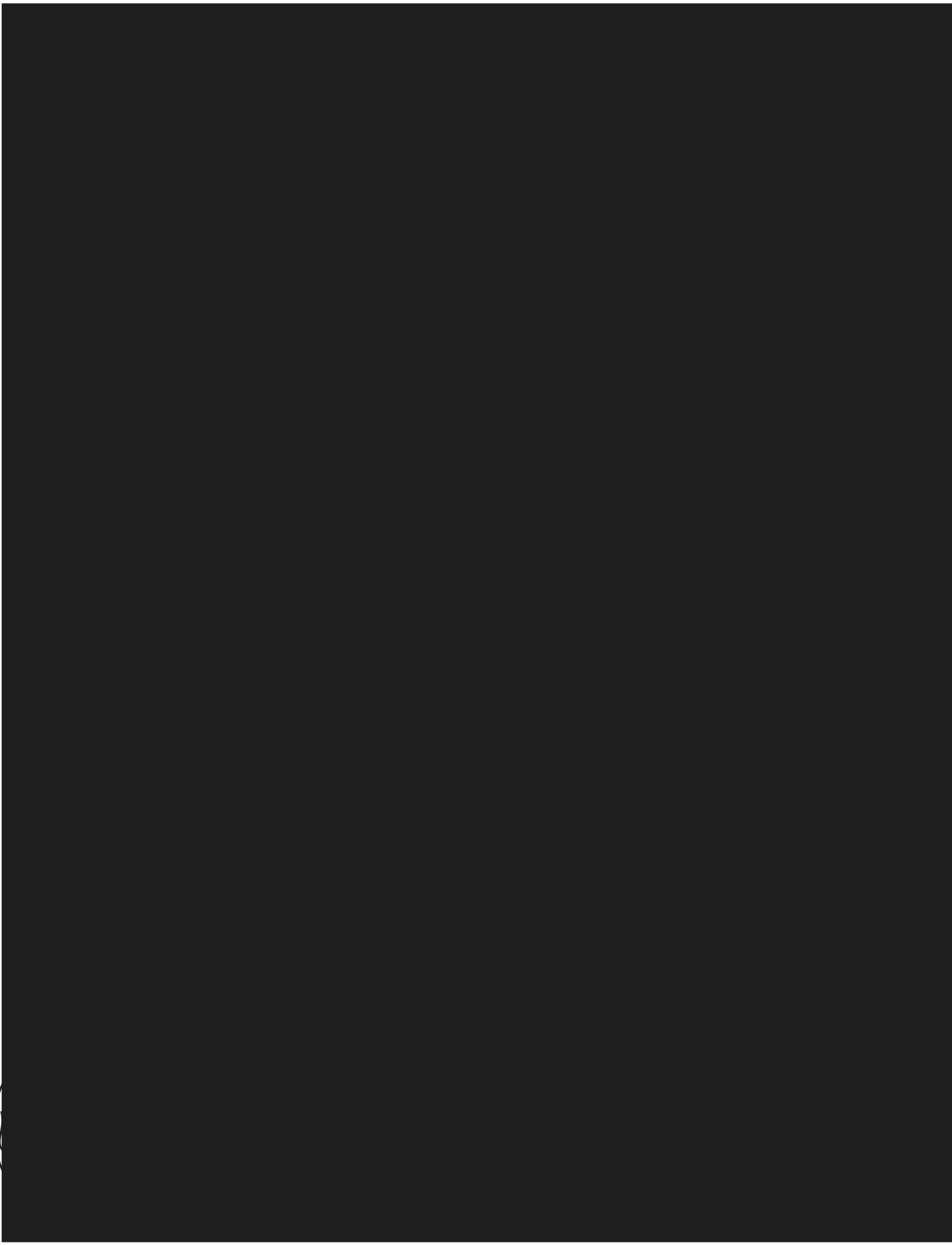
Note: Nominal magnifications given for photomicrographs.



Note: Nonmirrored communications given for photomicrographs.







Note: Nonmirrored communications given for photomicrographs.

From: Hoskins, Ty (T.R.)
Sent: Tuesday, December 20, 2022 7:20 AM
To: Adam, Paul (P.J.); Jennings, Nicholas (N.); Kolodziejczyk, Jeffrey (J.A.); Vempati, Abhijyoth (A.R.)
Cc: Rayman, Bradley (B.)
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489
Attachments: BY3489 Intake Valve Risk Assessment - Report.pdf

Team,

Here is the Test report for job BY3489.

Thank you,

Ty R Hoskins
Ford Motor Company
PFSL Friction Lab.
Cell: (313) 316-3630

“I have done so much with so little for so long I am now qualified to do anything with nothing...”
-Author Unknown

From: Adam, Paul (P.J.) <padam6@ford.com>
Sent: Thursday, December 15, 2022 1:15 PM
To: Jennings, Nicholas (N.) <njennin5@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hoskins, Ty (T.R.) <thoskin4@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Cc: Rayman, Bradley (B.) <brayman1@ford.com>
Subject: Re: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Yes Nick. Thanks.

Paul
313-580-3971

From: Jennings, Nicholas (N.) <njennin5@ford.com>
Sent: Thursday, December 15, 2022 1:05:45 PM
To: Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hoskins, Ty (T.R.) <thoskin4@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Cc: Rayman, Bradley (B.) <brayman1@ford.com>
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Parts have been picked up and dropped off in the 3rd floor storage room.

Are we set to conclude testing on the Nano and move to 7.3L tappet stability?

Regards,
Nick Jennings
Ford Motor Company

I3/I4 Upper End CPMT
Email: njennin5@ford.com
Mobile: (313)-949-3373
Location: AEC 3rd Floor



Go Further

From: Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>
Sent: Thursday, December 15, 2022 10:24 AM
To: Hoskins, Ty (T.R.) <thoskin4@ford.com>; Jennings, Nicholas (N.) <NJENNIN5@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Cc: Rayman, Bradley (B.) <brayman1@ford.com>
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Thanks for all the help on this Ty! Outstanding job as usual!

Regards,
Jeff Kolodziejczyk
Nano Engine Team Ford Motor Co.
(313) 805-9213 Bldg #1 13D074, jkolodz1@ford.com

From: Hoskins, Ty (T.R.) <thoskin4@ford.com>
Sent: Thursday, December 15, 2022 9:11 AM
To: Jennings, Nicholas (N.) <NJENNIN5@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>
Cc: Rayman, Bradley (B.) <brayman1@ford.com>
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Team,

Parts form Test 4 are ready for pickup.

Thanks,

Ty R Hoskins
Ford Motor Company
PFSL Friction Lab.
Cell: (313) 316-3630

From: Jennings, Nicholas (N.) <njennin5@ford.com>
Sent: Tuesday, December 13, 2022 8:19 PM
To: Hoskins, Ty (T.R.) <thoskin4@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Sounds good. It looks like there was an issue with the window withdrawal at EMDO. I went to go pick up the parts this afternoon, but a ticket had not been submitted yet.

I followed up with Jeremy to make sure the WW ticket is submitted and we can get our RFFs tomorrow.

Regards,

Nick Jennings

Ford Motor Company
 I3/I4 Upper End CPMT
 Email: njennin5@ford.com
 Mobile: (313)-949-3373
 Location: AEC 3rd Floor



Go Further

From: Hoskins, Ty (T.R.) <thoskin4@ford.com>
Sent: Tuesday, December 13, 2022 9:52 AM
To: Jennings, Nicholas (N.) <NJENNIN5@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>
Cc: Jakubowicz, Debbie (D.L.) <dmydlosk@ford.com>
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Nick,

Yes we have the valves.

Ty R Hoskins
 Ford Motor Company
 PFSL Friction Lab.
 Cell: (313) 316-3630

From: Jennings, Nicholas (N.) <njennin5@ford.com>
Sent: Tuesday, December 13, 2022 9:07 AM
To: Hoskins, Ty (T.R.) <thoskin4@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>
Cc: Jakubowicz, Debbie (D.L.) <dmydlosk@ford.com>
Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Hi Ty,



I will also make sure to put in a good word for you! are you referring to the survey?

Thank you,

Nick Jennings

Ford Motor Company

I3/I4 Upper End CPMT

Email: njennin5@ford.com

Mobile: (313)-949-3373

Location: AEC 3rd Floor



Go Further

From: Hoskins, Ty (T.R.) <thoskin4@ford.com>

Sent: Tuesday, December 13, 2022 8:46 AM

To: Adam, Paul (P.J.) <padam6@ford.com>; Jennings, Nicholas (N.) <NJENNIN5@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>

Cc: Jakubowicz, Debbie (D.L.) <dmydlosk@ford.com>

Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Team,

BY3489 has been run off and all parts are with Nick Jennings.

If you like how PFSL has run this test, **Please** let my boss Ed Nelson and/or Dennis Setera know. This lab is slated to be decommissioned first of next year.

Thank you,

Ty R Hoskins

Ford Motor Company

PFSL Friction Lab.

Cell: (313) 316-3630

"I have done so much with so little for so long I am now qualified to do anything with nothing..."

-Author Unknown

From: Hoskins, Ty (T.R.)

Sent: Monday, December 12, 2022 7:10 AM

To: Adam, Paul (P.J.) <padam6@ford.com>; Jennings, Nicholas (N.) <NJENNIN5@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>

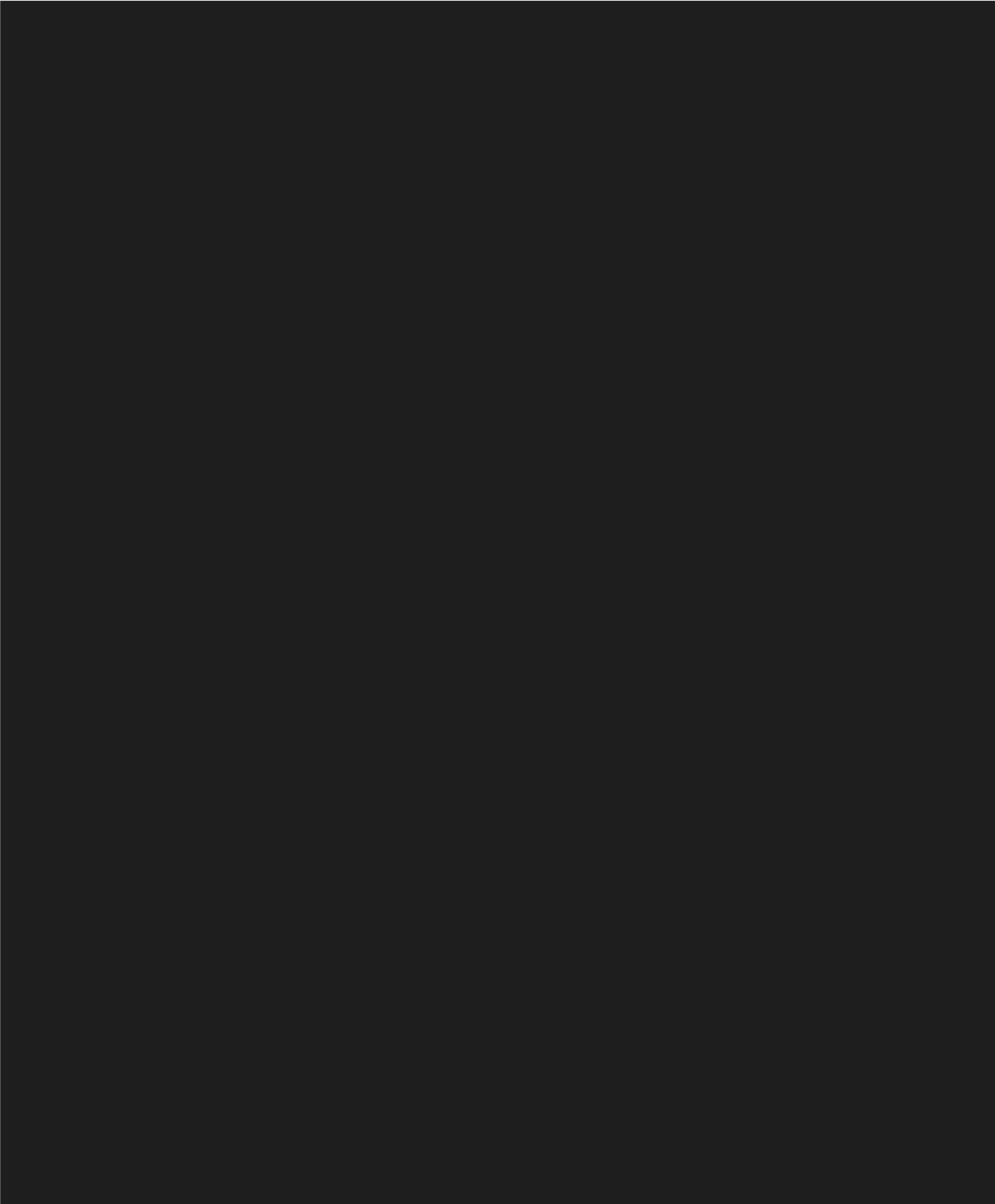
Cc: Jakubowicz, Debbie (D.L.) <dmydlosk@ford.com>; Rayman, Bradley (B.) <brayman1@ford.com>

Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Paul,

Thanks!

That is what I was thinking as well.



Parts being used are:

Left hand cylinder head: JT4E-6C064-BB

Intake cam : JT4E-6A267-AA

Springs: Yellow stripe.

We will need a BOM (Bill Of Materials) filled out in elms.

Thank you,

Ty R Hoskins
Ford Motor Company
PFSL Friction Lab.
Cell: (313) 316-3630

"I have done so much with so little for so long I am now qualified to do anything with nothing..."

-Author Unknown

From: Adam, Paul (P.J.) <padam6@ford.com>

Sent: Friday, December 9, 2022 2:39 PM

To: Jennings, Nicholas (N.) <NJENNIN5@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Hoskins, Ty (T.R.) <thoskin4@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>

Cc: Jakubowicz, Debbie (D.L.) <dmydlosk@ford.com>

Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

You're the man, Nick!

From: Jennings, Nicholas (N.) <njennin5@ford.com>

Sent: Friday, December 9, 2022 2:35 PM

To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Hoskins, Ty (T.R.) <thoskin4@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>

Cc: Jakubowicz, Debbie (D.L.) <dmydlosk@ford.com>

Subject: RE: PFSL Test Plan for Nano Intake Valve Risk Assessment TR#BY3489

Gutted and blocked HLAs, Eaton valves, and blue dye have all been dropped off at PFSL.

Regards,

Nick Jennings

Ford Motor Company

I3/I4 Upper End CPMT

Email: njennin5@ford.com

Mobile: (313)-949-3373

Location: AEC 3rd Floor



Engine Lab Test Report

Elms Number: [BY3489.0101](#)

Development 3L Nano Valve/RFF Dura Test

<i>Elms Test Category:</i>	VALVETRAIN - Other/Development
<i>Program:</i>	Nano 2.7/3.0L GTDI Upg3 GA6Z1
<i>Sample Part Name:</i>	NANO 2.7L/3.0L INTAKE VALVE
<i>Sample Part Number:</i>	JT4E-6507-BB
<i>Work Task Number:</i>	GA6Z1

Test Dates: 12/12/2022 **to** 12/14/2022

	Name	CDS ID	Phone	Dept:
Test Requestor:	Vempati, Abhijyoth (A.R.)	AVEMPATI	1-313-5908928	5100N413

	Name	CDS ID	Phone Number
Alternate Contact:			

Test Engineer:	Rayman, Bradley (B.)	BRAYMAN1	1-313-969-4634
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Department: 5100T687 - Vehicle Evaluation and Verification
 Ford Motor Company
 Powertrain Fuel Subsystems Laboratory
 2440 Village Rd
 Dearborn Mi 48121

Authored By: Ty Hoskins, Test Technologist 12/20/2022
Name, Position *Date*

Approved By: Brad Rayman, Test Engineer 12/20/2022
Rayman, Bradley (B.), Test Engineer *Date*







