


<b>PROPERTY OF</b>  <b>CAMERON</b>	<b>DRAWN BY:</b> J.Redding	<b>REVISION</b> 02	<b>Document No.</b> <b>X-065449-05-03</b>
	<b>DATE:</b> May 11, 2010	<b>SHEET</b> 1 OF 12	

## FACTORY ACCEPTANCE TEST PROCEDURE

FOR

### SUBSEA ELECTRONIC MODULE

(Horizon AMF/Deadman In Current Situation - Test Procedure)

Checked by: Nathan Cooper

Date: May 11, 2010

Approved by: Richard Coronado

Date: May 11, 2010

CUSTOMER:

Transocean Horizon

CUSTOMER ORDER NO.:

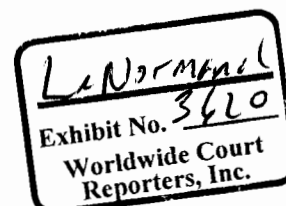
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CAM PRODUCTION ORDER NO.:

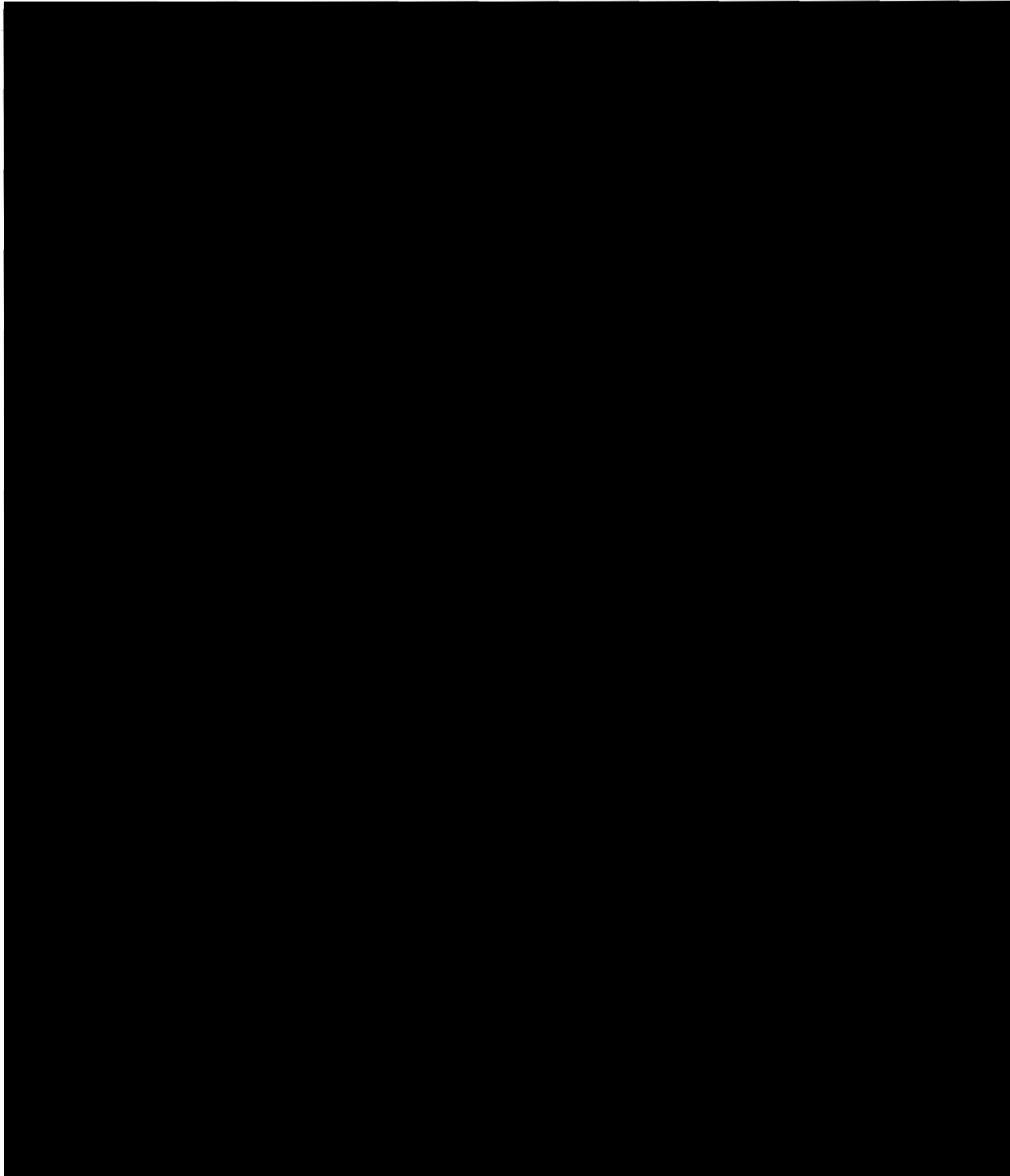
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CAM SALES ORDER NO.:

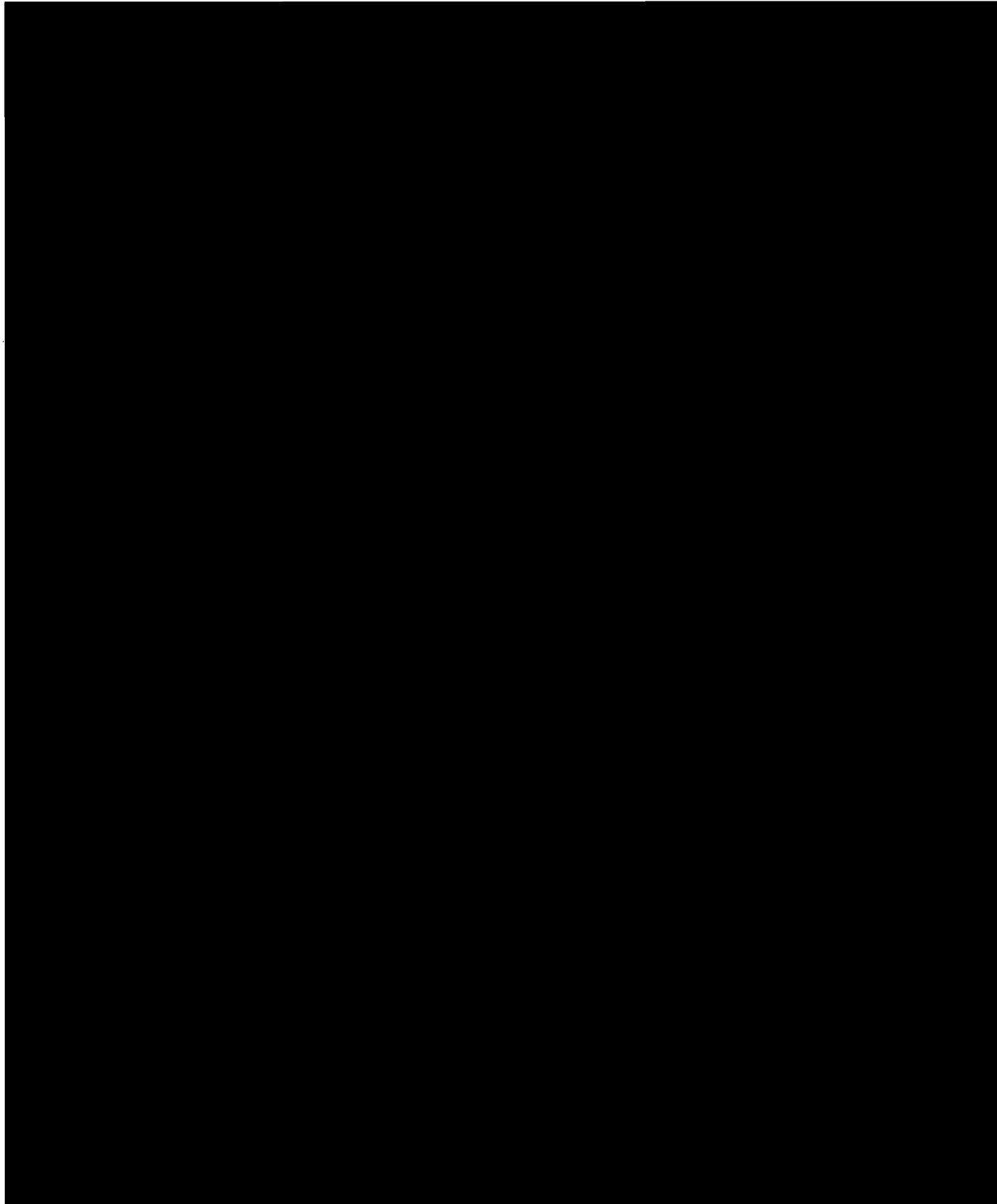
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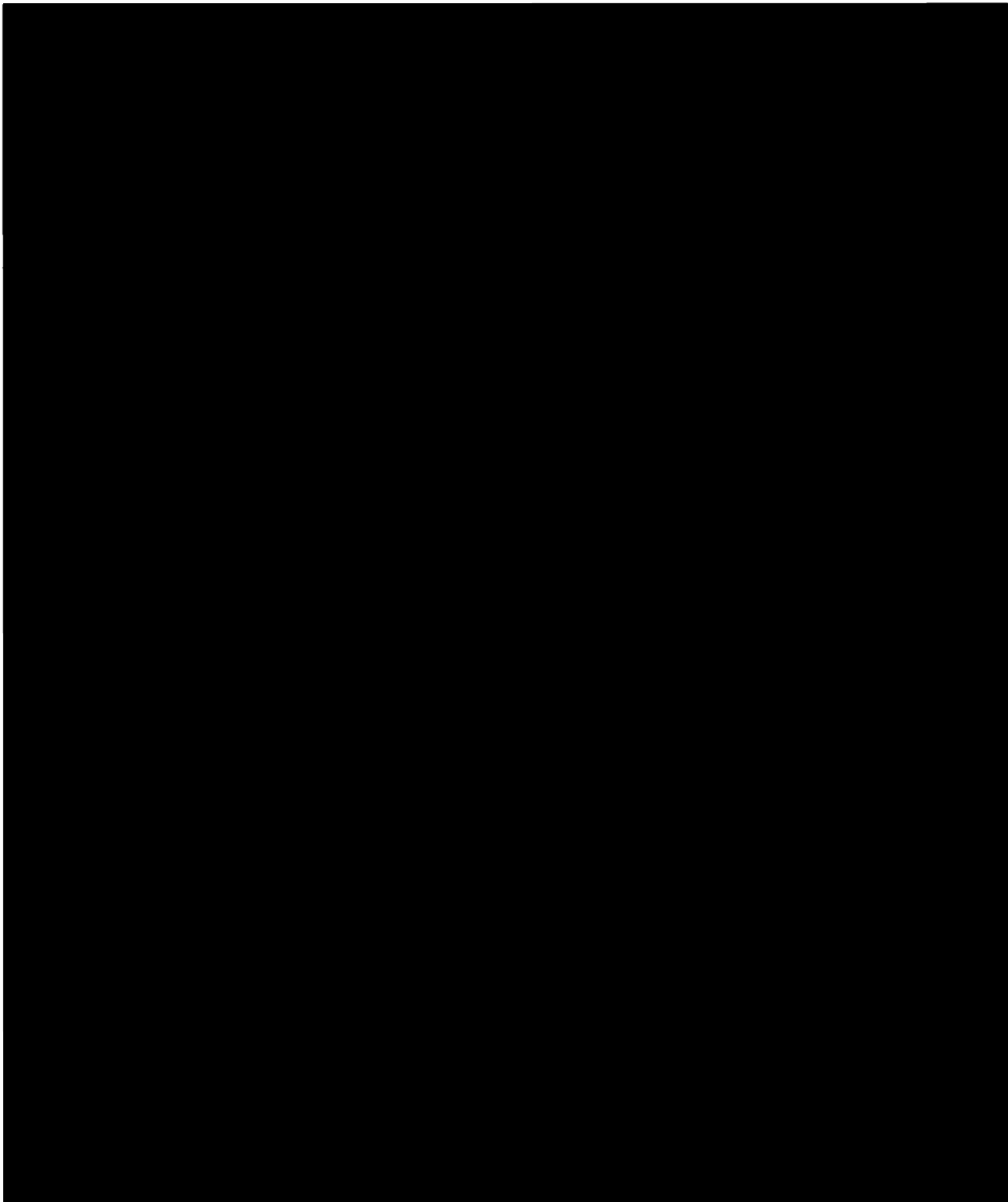
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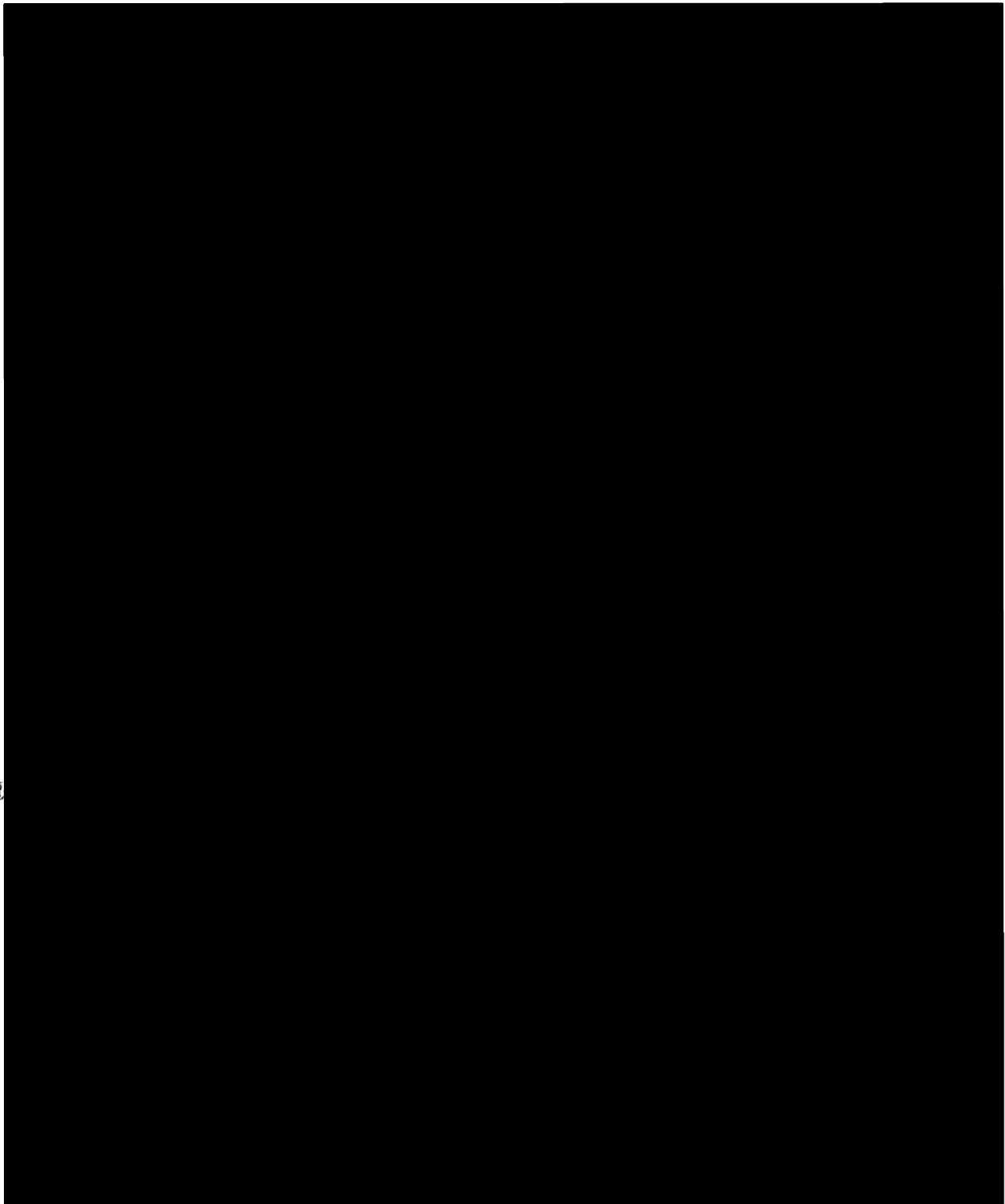
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Verify

### Test 1

1. Turn off the power to the SEM A at the PETU main switch, confirm for 30 seconds AMF does not activate
2. Confirm that AMF battery supply is now pulsing the simulator for TP9 Conduit Supply, display should be flashing on and off
3. Lower (lower simulator to 10.3 ma) simulated pressure to TP9 (Conduit Supply) and confirm AMF sequence activates within 15 seconds
4. Confirm sequence as per function table and that the sequence is complete within \_\_\_\_\_ seconds after first initialising. Verify assigned solenoids have functioned by opening bleed ports on designated POD valves. (Refer to rig/SEM specific shutdown.asc file to determine correct time in seconds)
5. Once complete confirm no other solenoids function for one minute

When PETU power BACK UP 103 Snd

### Reset system for next test

(Wait three minutes before powering SEM back up, to allow AMF circuitry to cool down)

Turn on PETU power to SEM A. Confirm that the AMF analog channel indicates the AMF is disarmed. Value should be 900 +/- 60.

Function AMF solenoid to activate/arm and confirm that corresponding analog channel has value of 0-30

### Test 2

1. Lower (lower simulator to 10.3 ma) simulated pressure to TP9 (Conduit Supply), confirm for 30 seconds AMF does not activate
2. Turn off the power to the SEM A at the PETU main switch and confirm AMF sequence activates within 15 seconds
3. Confirm sequence as per function table and that the sequence is complete within \_\_\_\_\_ seconds after first initialising. Verify assigned solenoids have functioned by opening bleed ports on designated POD valves. (Refer to rig/SEM specific shutdown.asc file to determine correct time in seconds)
4. Once complete confirm no other solenoids function for one minute


When PETU power BACK UP 103 Snd

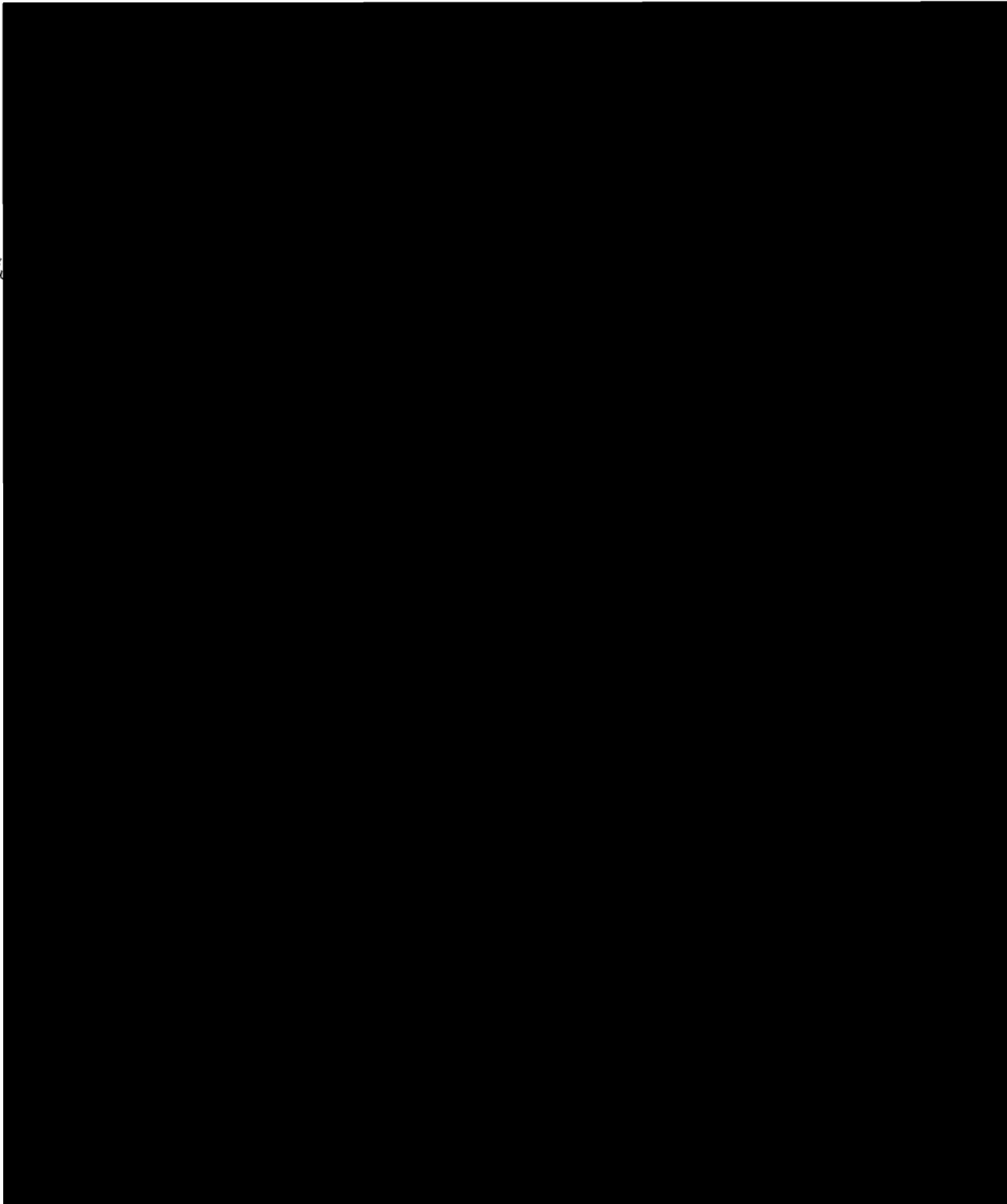
### Section 2 - Test SEM B


(Wait three minutes before powering SEM back up, to allow AMF circuitry to cool down)

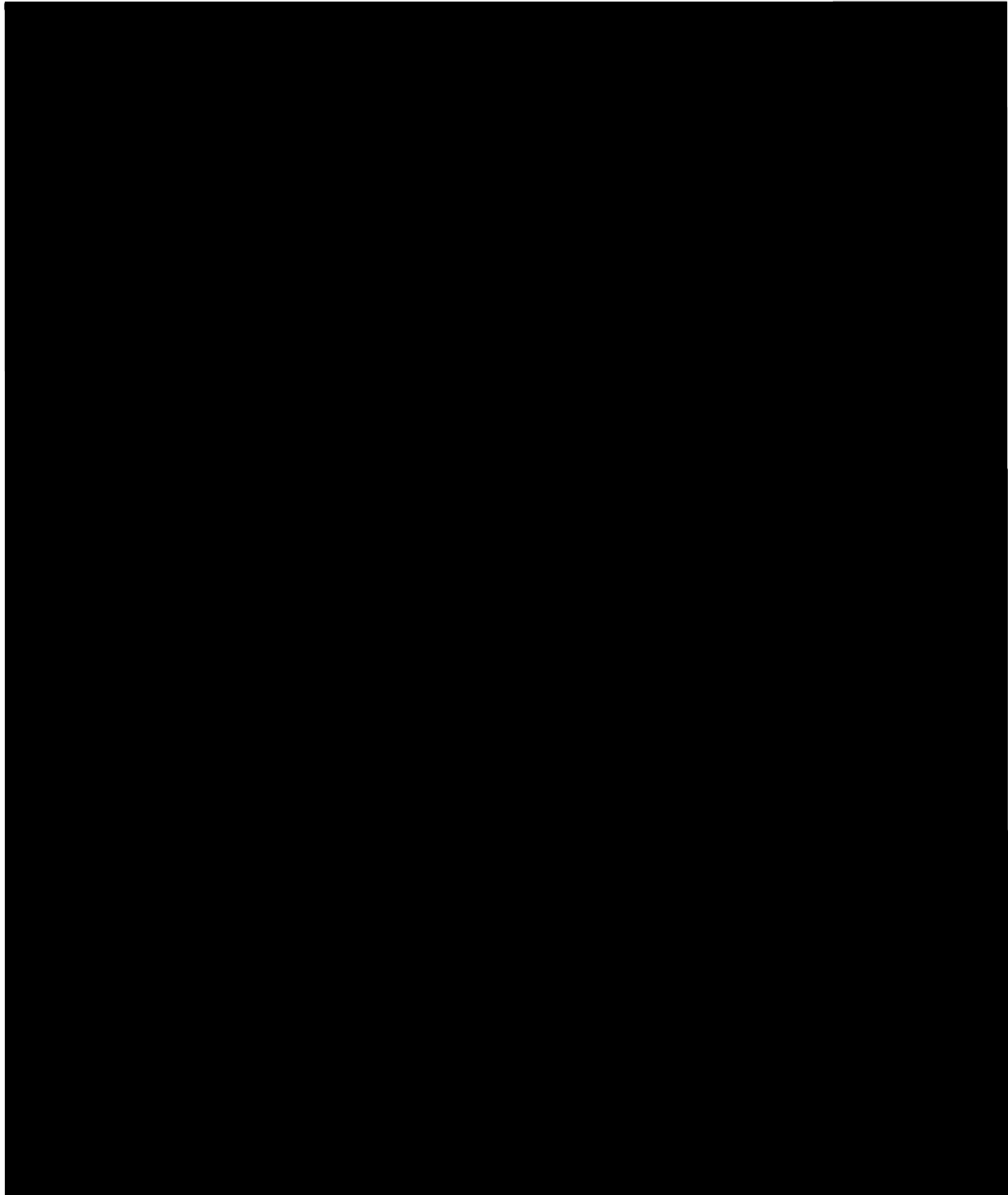
Remove PETU connection from SEM A and connect to SEM B.  
Select the SEM B modem with the PETU modem switch.

Connect 4-20 mA simulator to side-connector that supplies the Conduit Supply analog channel (Usually TP9, pin 11). Use the pin from the same connector that connected to the 5<sup>th</sup> pin of the AMF card to provide +24 volts). Or use Enerpac to adjust pressure through the Transducer.


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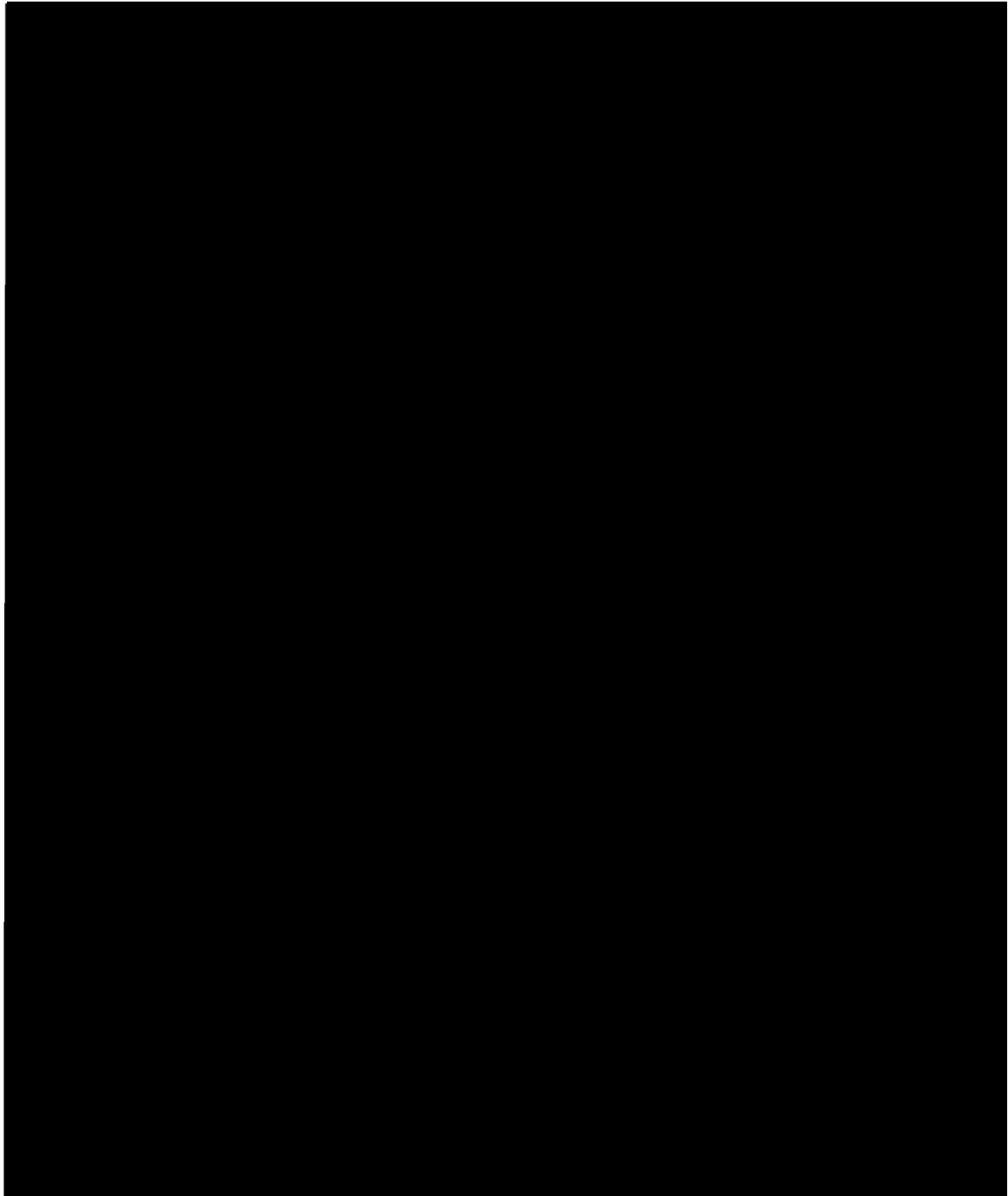



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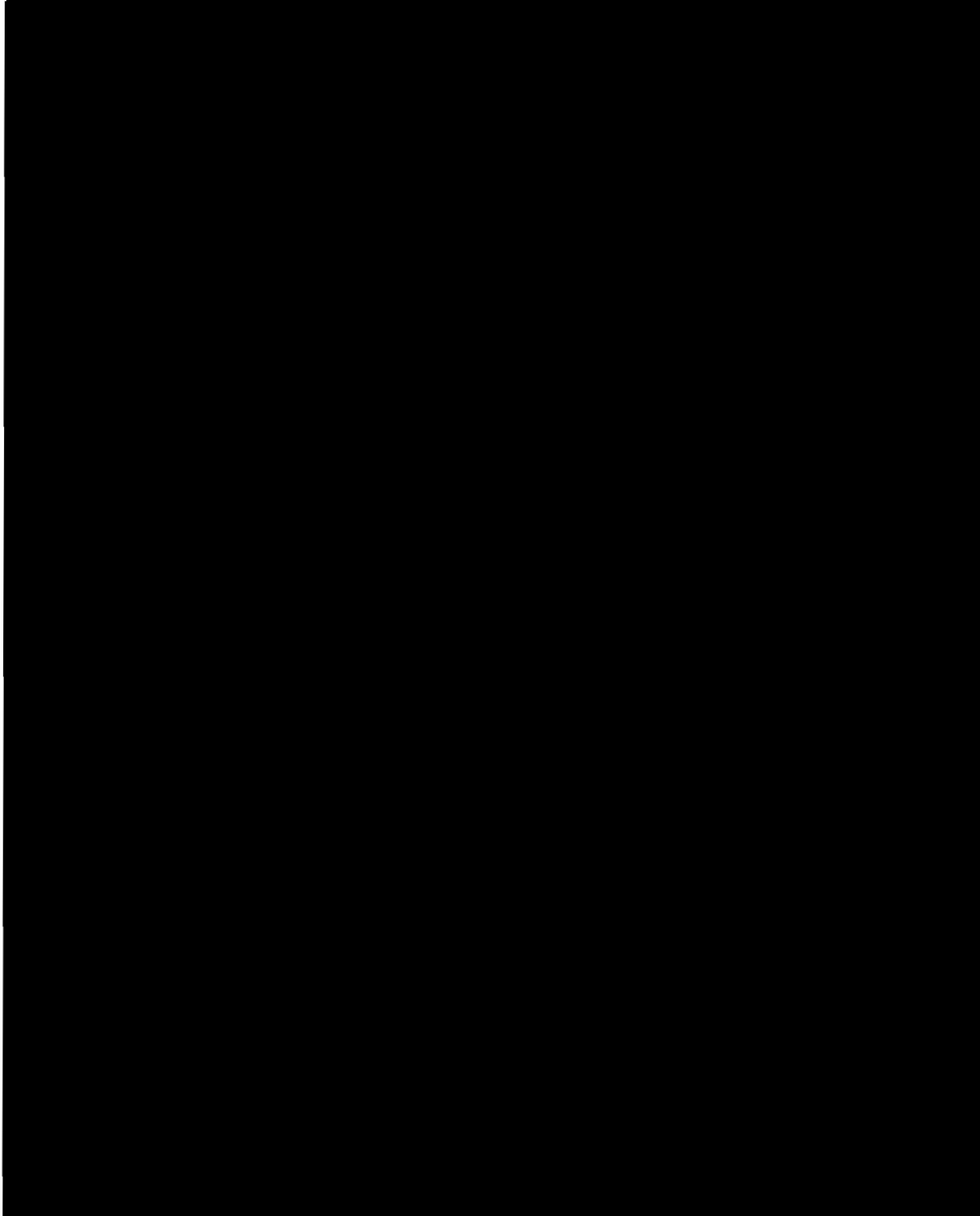




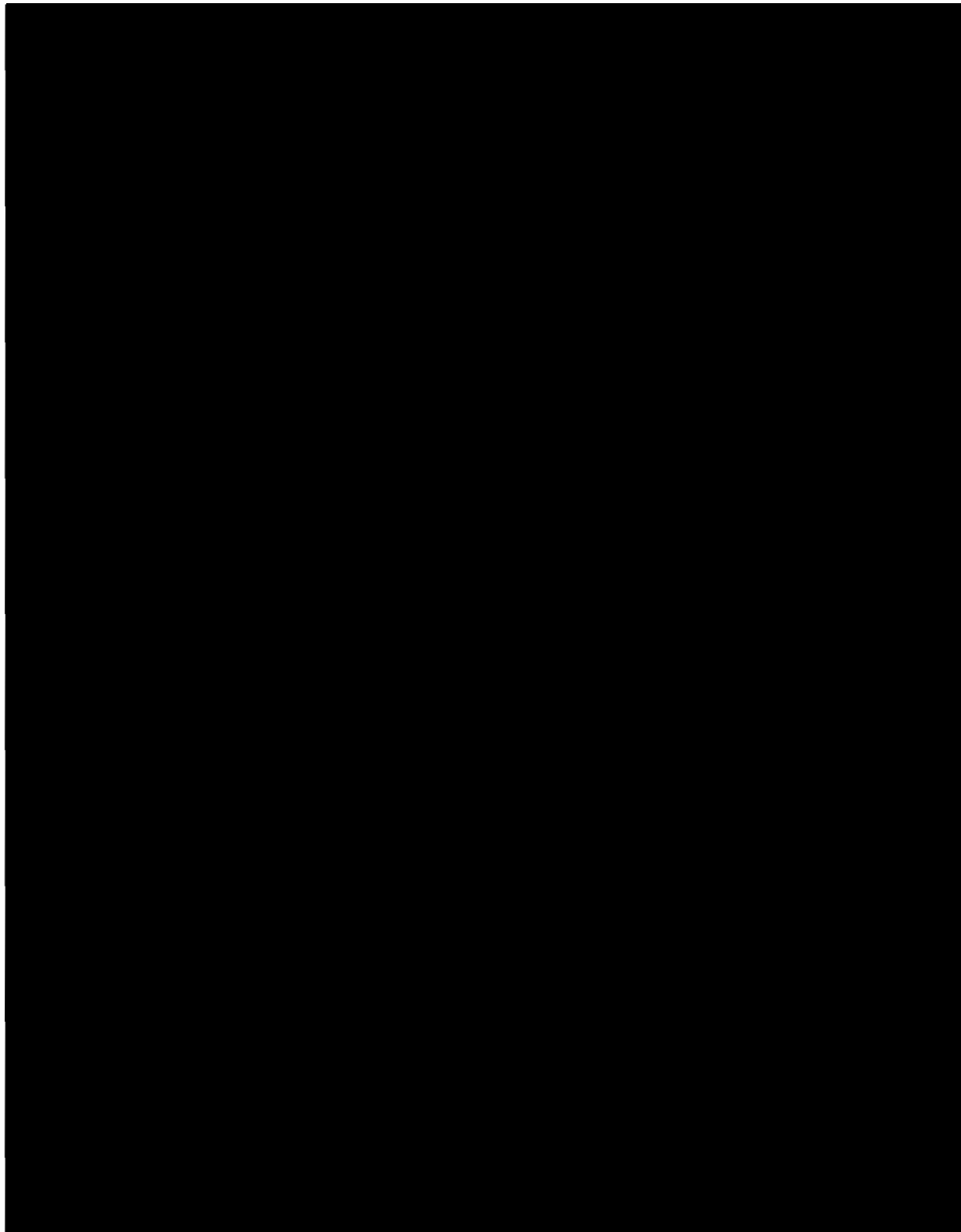
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#### 4.0 TEST WITNESSED AND RESULTS ACCEPTED BY:

##### CAMERON INSPECTOR

<i>William LeNormand</i>		<i>7-5-2010</i>
BLOCK LETTERS	SIGNATURE	DATE

##### THIRD PARTY INSPECTOR (IF APPLICABLE)

<i>RANDALL E. JOSEY</i>	<i>R. E. Josey</i>	<i>7-5-2010</i>
<i>DARIN W. QUALKRENBUSH</i>	<i>D. Qualkrebush</i>	<i>7-5-2010</i>
BLOCK LETTERS	SIGNATURE	DATE
<i>Gravin Starling</i>	<i>Gravin Starling</i>	<i>7-5-2010</i>
<i>DAVID CANSDELL</i>	<i>David Cansdell</i>	<i>5th July 2010</i>
<i>ROSS R. SKIDMORE</i>	<i>Ross R. Skidmore</i>	

##### CUSTOMER (IF APPLICABLE)

<i>Tim Williams</i>	<i>Tim Williams</i>	<i>7-5-2010</i>
BLOCK LETTERS	SIGNATURE	DATE