



Invitation to Quote

**Invitation to Quote (ITQ) on behalf of Science and Technology
Facilities Council**

Subject UK SBS ERIS Optical Components

Sourcing reference number RE17282

UK Shared Business Services Ltd (UK SBS)
www.uksbs.co.uk

Registered in England and Wales as a limited company. Company Number 6330639.
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UKSBS

Shared Business Services

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Section 1 – About UK Shared Business Services

Putting the business into shared services

UK Shared Business Services Ltd (UK SBS) brings a commercial attitude to the public sector; helping Contracting Authorities improve efficiency, generate savings and modernise.

It is our vision to become the leading service provider for Contracting Authorities for of shared business services in the UK public sector, continuously reducing cost and improving quality of business services for Government and the public sector.

Our broad range of expert services is shared by our Contracting Authorities. This allows Contracting Authorities the freedom to focus resources on core activities; innovating and transforming their own organisations.

Core services include Procurement, Finance, Grants Admissions, Human Resources, Payroll, ISS, and Property Asset Management all underpinned by our Service Delivery and Contact Centre teams.

UK SBS is a people rather than task focused business. It's what makes us different to the traditional transactional shared services centre. What is more, being a not-for-profit organisation owned by the Department for Business, Energy & Industrial Strategy (BEIS), UK SBS' goals are aligned with the public sector and delivering best value for the UK taxpayer.

UK Shared Business Services Ltd changed its name from RCUK Shared Services Centre Ltd in March 2013.

Our Customers

Growing from a foundation of supporting the Research Councils, 2012/13 saw Business, Energy and Industrial Strategy (BEIS) transition their procurement to UK SBS and Crown Commercial Services (CCS – previously Government Procurement Service) agree a Memorandum of Understanding with UK SBS to deliver two major procurement categories (construction and research) across Government.

UK SBS currently manages £700m expenditure for its Contracting Authorities.

Our Contracting Authorities who have access to our services and Contracts are detailed [here](#).

Section 2 – About the Contracting Authority

Science and Technology Facilities Council (STFC)

STFC is a world-leading multi-disciplinary science organisation, whose goal is to deliver economic, societal, scientific and international benefits to the UK and its people – and more broadly to the world.

STFC support an academic community of around 1,700 in particle physics, nuclear physics, and astronomy including space science, who work at more than 50 universities and research institutes in the UK, Europe, Japan and the United States, including a rolling cohort of more than 900 PhD students.

The organisation's large-scale scientific facilities in the UK and Europe are used by more than 3,500 users each year, carrying out more than 2,000 experiments and generating around 900 publications.

The combination of access to world-class research facilities and scientists, office and laboratory space, business support, and an environment which encourages innovation has proven a compelling combination, attracting start-ups, SMEs and large blue chips such as IBM and Unilever.

Examples of funded research

- STFC is providing the design infrastructure for the £23bn UK microelectronics sector that underpins strategically important industries worth £78bn to the UK economy
- STFC's ISIS facility and its users, working in partnership with the NHS, developed a novel material to improve the treatment of cleft lip and palate, speeding up healing times and reducing operating costs
- STFC's Synchrotron Radiation Source was used to understand how conventional anti-malarial drugs work, allowing the development of more effective treatment to reduce the devastating global impact of malaria
- STFC's ISIS facility is identifying new materials that can safely and conveniently store hydrogen, enabling the development of hydrogen-fuelled cars reducing reliance on fossil fuels and cutting carbon emissions

www.stfc.ac.uk

Section 3 - Working with the Contracting Authority .

In this section you will find details of your Procurement contact point and the timescales relating to this opportunity.

Section 3 – Contact details		
3.1	Contracting Authority Name and address	STFC UK Astronomy Technology Centre Royal Observatory, Edinburgh Blackford Hill Edinburgh EH9 3HJ
3.2	Buyer name	James Mills
3.3	Buyer contact details	James.Mills@uksbs.co.uk
3.4	Estimated value of the Opportunity	£56,000.00 excluding VAT
3.5	Process for the submission of clarifications and Bids	All correspondence shall be submitted within the Emptoris e-sourcing tool. Guidance Notes to support the use of Emptoris is available here. Please note submission of a Bid to any email address including the Buyer <u>will</u> result in the Bid <u>not</u> being considered.

Section 3 - Timescales		
3.6	Date of Issue of Contract Advert and location of original Advert	Tuesday 25 th July 2017 Contracts Finder
3.7	Latest date/time ITQ clarification questions shall be received through Emptoris messaging system	Tuesday 1 st August 2017 11.00
3.8	Latest date/time ITQ clarification answers should be sent to all Bidders by the Buyer through Emptoris	Wednesday 2 nd August 2017 14.00
3.9	Latest date/time ITQ Bid shall be submitted through Emptoris	Friday 4 th August 2017 14.00
3.10	Anticipated Award date	Monday 7 th August
3.11	Anticipated Contract Start date	Tuesday 8 th August
3.12	Bid Validity Period	60 Days

Section 4 – Specification

Item Description – ERIS Optical Components - Quantity: 12

This specification describes the work to be carried out and the deliverable items to be supplied by the supplier of the optical components for the ERIS-NIX camera.

The scope of work covers the manufacture, testing, packaging and acceptance of the optical components as defined below. The supplier shall be responsible for all engineering and management activities necessary to execute the work, including (but not limited to):

- Management of the project
- Supply of all deliverable items
- Procurement of all raw material (with the exception of IRG2 material)
- Manufacturing of the optical components
- Coating of the optical surfaces
- Testing of the optical components
- Packaging and delivery to the UKATC of the optical components
- Delivery to the UKATC of the required documentation

Key Features & Capabilities

The manufacturer shall provide one finished part of each optical component as listed below:

Drawing number	Title	Issue
VLT-DWG-ERI-14402-211-001	ERIS-NIX WINDOW	02
VLT-DWG-ERI-14402-212-011	ERIS-NIX CAM 1 LENS 1	02
VLT-DWG-ERI-14402-212-012	ERIS-NIX CAM 1 LENS 2	02
VLT-DWG-ERI-14402-212-013	ERIS-NIX CAM 1 LENS 3	02
VLT-DWG-ERI-14402-212-014	ERIS-NIX CAM 2 LENS 1	02
VLT-DWG-ERI-14402-212-015	ERIS-NIX CAM 2 LENS 2	02
VLT-DWG-ERI-14402-212-016	ERIS-NIX CAM 2 LENS 3	02
VLT-DWG-ERI-14402-212-017	ERIS-NIX CAM 3 LENS 1	02
VLT-DWG-ERI-14402-212-018	ERIS-NIX CAM 3 LENS 2	02
VLT-DWG-ERI-14402-212-019	ERIS-NIX CAM 3 LENS 3	02
VLT-DWG-ERI-14402-213-01	ERIS-NIX PUPIL IMAGER LENS 1	02
VLT-DWG-ERI-14402-213-02	ERIS-NIX PUPIL IMAGER LENS 2	02

Free Issue Material

UKATC will free-issue the IRG2 material required for the following two components.

- AD03 (VLT-DWG-ERI-14402-212-012, ERIS-NIX CAM 1 LENS 2)
- AD06 (VLT-DWG-ERI-14402-212-015, ERIS-NIX CAM 2 LENS 2)

The supplier will be responsible for procurement of all other material required.

Free Issue Material Specification

The material supplied will be as follows:

- Schott IRG2, diameter 53.0 +0.0/-0.2mm, thickness 15.4 +0.0/-0.5mm (two pieces)

The material will have the following specifications:

- Bubble/Inclusion Diameter Registration Limit ≥ 0.05 mm
- Total cross section of all bubbles & inclusions per 100 cm³ of glass ≤ 0.25 mm²
- Striae (according to MIL-STD-G174B) - equal or better than Grade B , direction of optical axis (top-bottom)
- Nominal nd 1.8935 +/-0.005
- Nominal vd 30.1 +/-0.3
- Actual nd/vd measurements to be supplied with goods via Schott Melt Data Sheet
- Homogeneity $\leq \pm 20 \times 10^{-6}$, equal or better than H1
- Stress Birefringence ≤ 10 nm/cm
- Surface finish - side matt/ top or bottom matt or test polished

Free issue material – coating witness pieces

The supplier may use Schott N-LASF46A as a substitute material for IRG2 for use as coating witness pieces.

The supplier shall deliver the following documentation:

- A certificate of conformity for each component, to include any NCR requests raised and their resolution.
- A full test report for each component, to include the following:
 - o Surface interferograms, including measurement of RMS and PTV wavefront error
 - o Coating performance measurements
 - o Dimensional metrology, including radius of curvature, centre thickness, edge thickness, wedge angle (centration)
 - o Test reports for glass blanks, to include measured refractive index and dispersion
- The supplier shall provide predicted performance of each unique coating which is used on any of the optical components.

Terms and Conditions

Bidders are to note that any requested modifications to the Contracting Authority Terms and Conditions on the grounds of statutory and legal matters only, shall be raised as a formal clarification during the permitted clarification period.

Deliverable documentation

- The supplier shall deliver the following documentation:
- A certificate of conformity for each component, to include any NCR requests raised and their resolution.
 - A full test report for each component, to include the following:

	<ul style="list-style-type: none"> o Surface interferograms, including measurement of RMS and PTV wavefront error o Coating performance measurements o Dimensional metrology, including radius of curvature, centre thickness, edge thickness, wedge angle (centration) o Test reports for glass blanks, to include measured refractive index and dispersion <p>Both the Certificates of Conformity and Test Reports documentation shall be delivered alongside the completed optics.</p> <p>The supplier shall provide predicted performance of each unique coating which is used on any of the optical components. This must be sent 4 weeks after contract start date</p>								
Reporting	<p>The supplier shall supply regular progress reports. These shall contain:</p> <ul style="list-style-type: none"> • A summary of the progress of the project since the last progress report. • Progress against project plan and key milestones • The action item list • The status of all uncompleted action items. • Give details of any actual or potential problems which may impact project delivery or performance of any of the components, together with details of the recovery action being taken <p>In addition, the supplier shall immediately notify the UKATC to any event which has the potential to cause a non-compliance with the technical specification or a delay in achievement of any of the project milestones. These reports shall clearly state:</p> <ul style="list-style-type: none"> • The nature of the event • The impact on the project (technical or schedule) • The steps being taken by the supplier to rectify or minimise the impact of the event <p>Any such events will be recorded as action items and be included in subsequent regular reports.</p> <p>Frequency of reporting shall be agreed between UKATC and the supplier but as minimum we would expect reports to be issued monthly. Reports will be submitted by e-mail.</p>								
Project Planning	<p>The supplier shall establish and maintain a project plan for the duration of the project. This project plan shall contain sufficient milestones for the UKATC to monitor progress of the project. The supplier shall report (via the regular progress reports) progress against the project plan and key milestones.</p> <p>The supplier shall submit an updated project plan within 2 weeks of the contract start date. The supplier shall maintain an action item list. Action items will be agreed between the supplier and UKATC and will be reported on as part of the regular reporting.</p> <p>The project plan shall include and meet the following milestones:</p> <table border="1" data-bbox="395 1816 1329 2024"> <tr> <td>Contract kick-off meeting</td> <td>T0 + 2 week</td> </tr> <tr> <td>Delivery of project plan from supplier</td> <td>T0 + 2 weeks</td> </tr> <tr> <td>Final issue of component drawings from UK ATC to supplier</td> <td>T0 + 4 weeks</td> </tr> <tr> <td>Delivery of predicted coating performance</td> <td>T0 + 4 weeks</td> </tr> </table>	Contract kick-off meeting	T0 + 2 week	Delivery of project plan from supplier	T0 + 2 weeks	Final issue of component drawings from UK ATC to supplier	T0 + 4 weeks	Delivery of predicted coating performance	T0 + 4 weeks
Contract kick-off meeting	T0 + 2 week								
Delivery of project plan from supplier	T0 + 2 weeks								
Final issue of component drawings from UK ATC to supplier	T0 + 4 weeks								
Delivery of predicted coating performance	T0 + 4 weeks								

	Delivery of IRG2 blanks by UK ATC	T0 + 6 weeks	
Control of non-conformity	<p>If during manufacture, test or inspection of any of the deliverable items a non-conformity is discovered it must be reported to the UK ATC immediately via a non-conformance report (NCR). These reports shall be raised via an e-mail to UKATC.</p> <p>The NCR shall:</p> <ul style="list-style-type: none"> • identify the item to which the non-conformity applies • describe the non-conformity in detail • list the documents and hardware affected • list supplier recommended action • contain a section for the UK ATC to formally respond indicating course of action to be taken <p>The NCR shall be reviewed by the UK ATC and a formal response shall be sent to the supplier within 10 days informing them of the course of action to be taken (e.g. re-work, use as is, and scrap).</p>		
Relevant Standards	All parts must conform to standards referred to on the component drawings.		
Warranty	<p>Equipment and device parts listed must have a minimum 2 year parts and labour warranty.</p> <p>Warranty will begin upon full receipt and acceptance of all requested items</p>		
Delivery	<p>Equipment and Accessories will be delivered to:</p> <p>STFC UK Astronomy Technology Centre Royal Observatory Edinburgh Blackford Hill Edinburgh EH9 3HJ</p> <p>A delivery date before the 24th November 2017 is preferred. The latest date acceptable for delivery will be 29th January 2018.</p>		

Section 5 – Evaluation model

The evaluation model below shall be used for this ITQ, which will be determined to two decimal places.

Where a question is ‘for information only’ it will not be scored.

The evaluation team may comprise staff from UK SBS, and the Contracting Authority ----- and any specific external stakeholders the Contracting Authority deems required. After evaluation the scores will be finalised by performing a calculation to identify (at question level) the mean average of all evaluators (Example – a question is scored by three evaluators and judged as scoring 5, 5 and 6. These scores will be added together and divided by the number of evaluators to produce the final score of 5.33 ($5+5+6 = 16 \div 3 = 5.33$))

Pass / fail criteria		
Questionnaire	Q No.	Question subject
Commercial	SEL1.2	Employment breaches/ Equality
Commercial	FOI1.1	Freedom of Information Exemptions
Commercial	AW1.1	Form of Bid
Commercial	AW1.3	Certificate of Bona Fide Bid
Commercial	AW3.1	Validation check
Commercial	AW4.1	Contract Terms
Price	AW5.5	E Invoicing
Price	AW5.6	Implementation of E-Invoicing
Quality	AW6.1	Compliance to the Specification
Commercial	SEL3.11	Compliance to Section 54 of the Modern Slavery Act
-	-	Invitation to Quote – received on time within e-sourcing tool

Scoring criteria				
Evaluation Justification Statement				
In consideration of this particular requirement the Contracting Authority has decided to evaluate Potential Providers by adopting the weightings/scoring mechanism detailed within this ITQ. The Contracting Authority considers these weightings to be in line with existing best practice for a requirement of this type.				
Questionnaire	Q No.	Question subject	Maximum Marks	
Price	AW5.2	Price	30%	100%
Quality	PROJ.1.1	Compliance	70%	60%
Quality	PROJ1.2	Delivery		40%

Evaluation of criteria

Non-Price elements

Each question will be judged on a score from 0 to 100, which shall be subjected to a multiplier to reflect the percentage of the evaluation criteria allocated to that question.

Where an evaluation criterion is worth 20% then the 0-100 score achieved will be multiplied by 20%.

Example if a Bidder scores 60 from the available 100 points this will equate to 12% by using the following calculation:

$$\text{Score} = \{\text{weighting percentage}\} \times \{\text{bidder's score}\} = 20\% \times 60 = 12$$

The same logic will be applied to groups of questions which equate to a single evaluation criterion.

The 0-100 score shall be based on (unless otherwise stated within the question):

0	The Question is not answered or the response is completely unacceptable.
10	Extremely poor response – they have completely missed the point of the question.
20	Very poor response and not wholly acceptable. Requires major revision to the response to make it acceptable. Only partially answers the requirement, with major deficiencies and little relevant detail proposed.
40	Poor response only partially satisfying the selection question requirements with deficiencies apparent. Some useful evidence provided but response falls well short of expectations. Low probability of being a capable supplier.
60	Response is acceptable but remains basic and could have been expanded upon. Response is sufficient but does not inspire.
80	Good response which describes their capabilities in detail which provides high levels of assurance consistent with a quality provider. The response includes a full description of techniques and measurements currently employed.
100	Response is exceptional and clearly demonstrates they are capable of meeting the requirement. No significant weaknesses noted. The response is compelling in its description of techniques and measurements currently employed, providing full assurance consistent with a quality provider.

All questions will be scored based on the above mechanism. Please be aware that the final score returned may be different as there may be multiple evaluators and their individual scores will be averaged (mean) to determine your final score.

Example

Evaluator 1 scored your bid as 60
Evaluator 2 scored your bid as 60
Evaluator 3 scored your bid as 40
Evaluator 4 scored your bid as 40
Your final score will $(60+60+40+40) \div 4 = 50$

Price elements will be judged on the following criteria.

The lowest price for a response which meets the pass criteria shall score 100. All other bids shall be scored on a pro rata basis in relation to the lowest price. The score is then subject to a multiplier to reflect the percentage value of the price criterion.

For example - Bid 1 £100,000 scores 100.

Bid 2 £120,000 differential of £20,000 or 20% remove 20% from price scores 80

Bid 3 £150,000 differential £50,000 remove 50% from price scores 50.

Bid 4 £175,000 differential £75,000 remove 75% from price scores 25.

Bid 5 £200,000 differential £100,000 remove 100% from price scores 0.

Bid 6 £300,000 differential £200,000 remove 100% from price scores 0.

Where the scoring criterion is worth 50% then the 0-100 score achieved will be multiplied by 50.

In the example if a supplier scores 80 from the available 100 points this will equate to 40% by using the following calculation: $\text{Score/Total Points} \times 50$ ($80/100 \times 50 = 40$)

The lowest score possible is 0 even if the price submitted is more than 100% greater than the lowest price.

Section 6 – Evaluation questionnaire

Bidders should note that the evaluation questionnaire is located within the **e-sourcing questionnaire**.

Guidance on completion of the questionnaire is available at <http://www.ukpbs.co.uk/services/procure/Pages/supplier.aspx>

PLEASE NOTE THE QUESTIONS ARE NOT NUMBERED SEQUENTIALLY

Section 7 – General Information

What makes a good bid – some simple do's 😊

DO:

- 7.1 Do comply with Procurement document instructions. Failure to do so may lead to disqualification.
- 7.2 Do provide the Bid on time, and in the required format. Remember that the date/time given for a response is the last date that it can be accepted; we are legally bound to disqualify late submissions. Unless formally requested to do so by UK SBS e.g. Emptoris system failure
- 7.3 Do ensure you have read all the training materials to utilise e-sourcing tool prior to responding to this Bid. If you send your Bid by email or post it will be rejected.
- 7.4 Do use Microsoft Word, PowerPoint Excel 97-03 or compatible formats, or PDF unless agreed in writing by the Buyer. If you use another file format without our written permission we may reject your Bid.
- 7.5 Do ensure you utilise the Emptoris messaging system to raise any clarifications to our ITQ. You should note that we will release the answer to the question to all Bidders and where we suspect the question contains confidential information we may modify the content of the question to protect the anonymity of the Bidder or their proposed solution
- 7.6 Do answer the question, it is not enough simply to cross-reference to a 'policy', web page or another part of your Bid, the evaluation team have limited time to assess bids and if they can't find the answer, they can't score it.
- 7.7 Do consider who who the Contracting Authority is and what they want – a generic answer does not necessarily meet every Contracting Authority's needs.
- 7.8 Do reference your documents correctly, specifically where supporting documentation is requested e.g. referencing the question/s they apply to.
- 7.9 Do provide clear , concise and ideally generic contact details; telephone numbers, e-mails and fax details.
- 7.10 Do complete all questions in the questionnaire or we may reject your Bid.
- 7.11 Do check and recheck your Bid before dispatch.

What makes a good bid – some simple do not's ☹

DO NOT

- 7.12 Do not cut and paste from a previous document and forget to change the previous details such as the previous buyer's name.
- 7.13 Do not attach 'glossy' brochures that have not been requested, they will not be read unless we have asked for them. Only send what has been requested and only send supplementary information if we have offered the opportunity so to do.
- 7.14 Do not share the Procurement documents, they are confidential and should not be shared with anyone without the Buyers written permission.
- 7.15 Do not seek to influence the procurement process by requesting meetings or contacting UK SBS or the Contracting Authority to discuss your Bid. If your Bid requires clarification the Buyer will contact you. All information secured outside of formal Buyer communications shall have no Legal standing or worth and should not be relied upon.
- 7.16 Do not contact any UK SBS staff or the Contracting Authority staff without the Buyers written permission or we may reject your Bid.
- 7.17 Do not collude to fix or adjust the price or withdraw your Bid with another Party as we will reject your Bid.
- 7.18 Do not offer UK SBS or or the Contracting Authority staff any inducement or we will reject your Bid.
- 7.19 Do not seek changes to the Bid after responses have been submitted and the deadline for Bids to be submitted has passed.
- 7.20 Do not cross reference answers to external websites or other parts of your Bid, the cross references and website links will not be considered.
- 7.21 Do not exceed word counts, the additional words will not be considered.
- 7.22 Do not make your Bid conditional on acceptance of your own Terms of Contract, as your Bid will be rejected.

Some additional guidance notes

- 7.23 All enquiries with respect to access to the e-sourcing tool and problems with functionality within the tool must be submitted to Crown Commercial Service (previously Government Procurement Service), Telephone 0345 010 3503.
- 7.24 Bidders will be specifically advised where attachments are permissible to support a question response within the e-sourcing tool. Where they are not permissible any attachments submitted will not be considered as part of the evaluation process.
- 7.25 Question numbering is not sequential and all questions which require submission are included in the Section 6 Evaluation Questionnaire.
- 7.26 Any Contract offered may not guarantee any volume of work or any exclusivity of supply.
- 7.27 We do not guarantee to award any Contract as a result of this procurement
- 7.28 All documents issued or received in relation to this procurement shall be the property of the Contracting Authority. / UKSBS.
- 7.29 We can amend any part of the procurement documents at any time prior to the latest date / time Bids shall be submitted through Emptoris.
- 7.30 If you are a Consortium you must provide details of the Consortiums structure.
- 7.31 Bidders will be expected to comply with the Freedom of Information Act 2000 or your Bid will be rejected.
- 7.32 Bidders should note the Government's transparency agenda requires your Bid and any Contract entered into to be published on a designated, publicly searchable web site. By submitting a response to this ITQ Bidders are agreeing that their Bid and Contract may be made public
- 7.33 Your bid will be valid for 60 days or your Bid will be rejected.
- 7.34 Bidders may only amend the contract terms during the clarification period only, only if you can demonstrate there is a legal or statutory reason why you cannot accept them. If you request changes to the Contract terms without such grounds and the Contracting Authority fail to accept your legal or statutory reason is reasonably justified we may reject your Bid.
- 7.35 We will let you know the outcome of your Bid evaluation and where requested will provide a written debrief of the relative strengths and weaknesses of your Bid.
- 7.36 If you fail mandatory pass / fail criteria we will reject your Bid.
- 7.37 Bidders are required to use IE8, IE9, Chrome or Firefox in order to access the functionality of the Emptoris e-sourcing tool.
- 7.38 Bidders should note that if they are successful with their proposal the Contracting Authority reserves the right to ask additional compliancy checks prior to the award of

any Contract. In the event of a Bidder failing to meet one of the compliancy checks the Contracting Authority may decline to proceed with the award of the Contract to the successful Bidder.

- 7.39 All timescales are set using a 24 hour clock and are based on British Summer Time or Greenwich Mean Time, depending on which applies at the point when Date and Time Bids shall be submitted through Emptoris.
- 7.40 All Central Government Departments and their Executive Agencies and Non Departmental Public Bodies are subject to control and reporting within Government. In particular, they report to the Cabinet Office and HM Treasury for all expenditure. Further, the Cabinet Office has a cross-Government role delivering overall Government policy on public procurement - including ensuring value for money and related aspects of good procurement practice.

For these purposes, the Contracting Authority may disclose within Government any of the Bidders documentation/information (including any that the Bidder considers to be confidential and/or commercially sensitive such as specific bid information) submitted by the Bidder to the Contracting Authority during this Procurement. The information will not be disclosed outside Government. Bidders taking part in this ITQ consent to these terms as part of the competition process.

- 7.41 The Government is introducing its new Government Security Classifications (GSC) classification scheme on the 2nd April 2014 to replace the current Government Protective Marking System (GPMS). A key aspect of this is the reduction in the number of security classifications used. All Bidders are encouraged to make themselves aware of the changes and identify any potential impacts in their Bid, as the protective marking and applicable protection of any material passed to, or generated by, you during the procurement process or pursuant to any Contract awarded to you as a result of this tender process will be subject to the new GSC . The link below to the Gov.uk website provides information on the new GSC:

<https://www.gov.uk/government/publications/government-security-classifications>

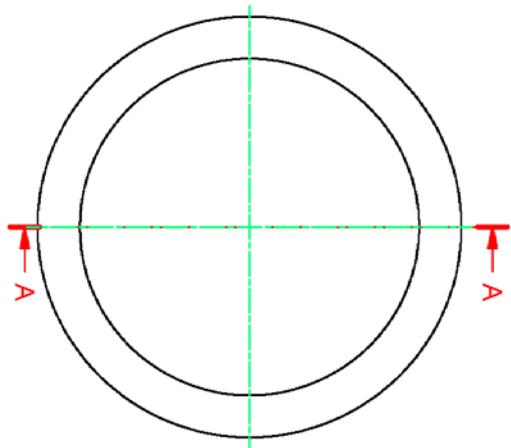
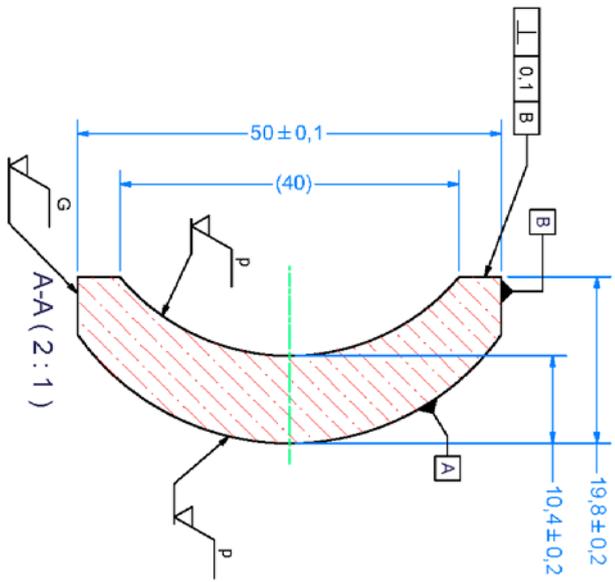
The Contracting Authority reserves the right to amend any security related term or condition of the draft contract accompanying this ITQ to reflect any changes introduced by the GSC. In particular where this ITQ is accompanied by any instructions on safeguarding classified information (e.g. a Security Aspects Letter) as a result of any changes stemming from the new GSC, whether in respect of the applicable protective marking scheme, specific protective markings given, the aspects to which any protective marking applies or otherwise. This may relate to the instructions on safeguarding classified information (e.g. a Security Aspects Letter) as they apply to the procurement as they apply to the procurement process and/or any contracts awarded to you as a result of the procurement process.

USEFUL INFORMATION LINKS

- [Emptoris Training Guide](#)
- [Emptoris e-sourcing tool](#)
- [Contracts Finder](#)
- [Tenders Electronic Daily](#)
- [Equalities Act introduction](#)
- [Bribery Act introduction](#)
- [Freedom of information Act](#)



NOT FOR MANUFACTURE



- NOTE**
- 1) CHAMFER ALL EDGES 0.4 - 0.6 x 45°
 - 2) AR COATING OVER EFFECTIVE APERTURE:
R < 0.5% AVERAGE: 1.1 - 2.45µm
R < 1.0% MAXIMUM: 1.1 - 2.45µm
 - 3) ENVIRONMENTAL DURABILITY OF ALL COATINGS SHALL BE COMPLIANT WITH CATEGORY B (COMPONENTS FOR USE IN A CONTROLLED ENVIRONMENT) AS DEFINED IN ISO 9211-3:2008
 - 4) OPTICAL MODEL: ERI-S-NIX 205A.ZMX

LEFT SURFACE		ISO 10110 SPECIFICATION MATERIAL		RIGHT SURFACE	
R 26.00 ± 0.10 CC	Øe 37	BARIUM FLUORIDE (BAF2)	IR GRADE	R 30.60 ± 0.10 CX	Øe 48
② AR (see note #2) 3/ - (0.5) 4/ 0.5' AB 5/ 3x0.25; L3x0.1; C3x0.4; E3x0.5		0/ } 1/ } CATALOGUE VALUES 2/ }		② AR (see note #2) 3/ - (0.5) 4/ - 5/ 3x0.25; L3x0.1; C3x0.4; E3x0.5	

ALL DIMENSIONS IN mm

PROJECT	REF. ERI-S-NIX	SHEET	01	ISSUE	02
USED ON VLT-DWG-ERI-14402-212-100		SCALE		2:1	
Drawing Title ERI-S-NIX CAM 1 LENS 1					
UKATC No. VLT-DWG-ERI-14402-212-011					
COMPLIES WITH ISO 8015					
TOLERANCING ISO 8015					
Material See table					
Finish See Table					
Drawing Title ERI-S-NIX CAM 1 LENS 1					
USED ON VLT-DWG-ERI-14402-212-100					
PROJECT REF. ERI-S-NIX					
SHEET SIZE A3					
SCALE 2:1					
SHEET 01					
ISSUE 02					

Fig.2. - AD02 VLT-DWG-ERI-14402-212-011 ERI-S-NIX CAM 1 LENS 1 02

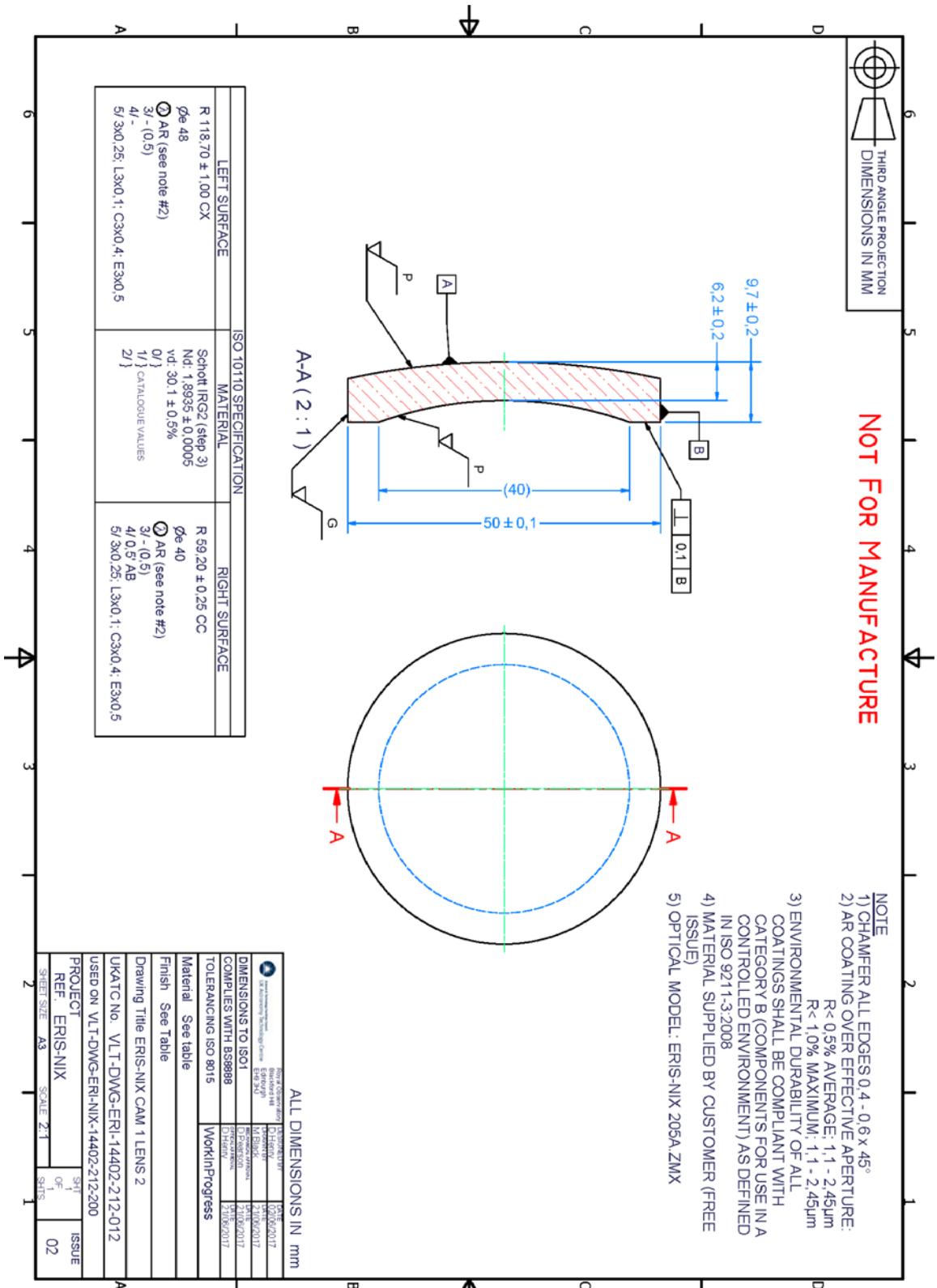


Fig.3. - AD03 VLT-DWG-ERI-14402-212-012 ERI-S-NIX CAM 1 LENS 2 02

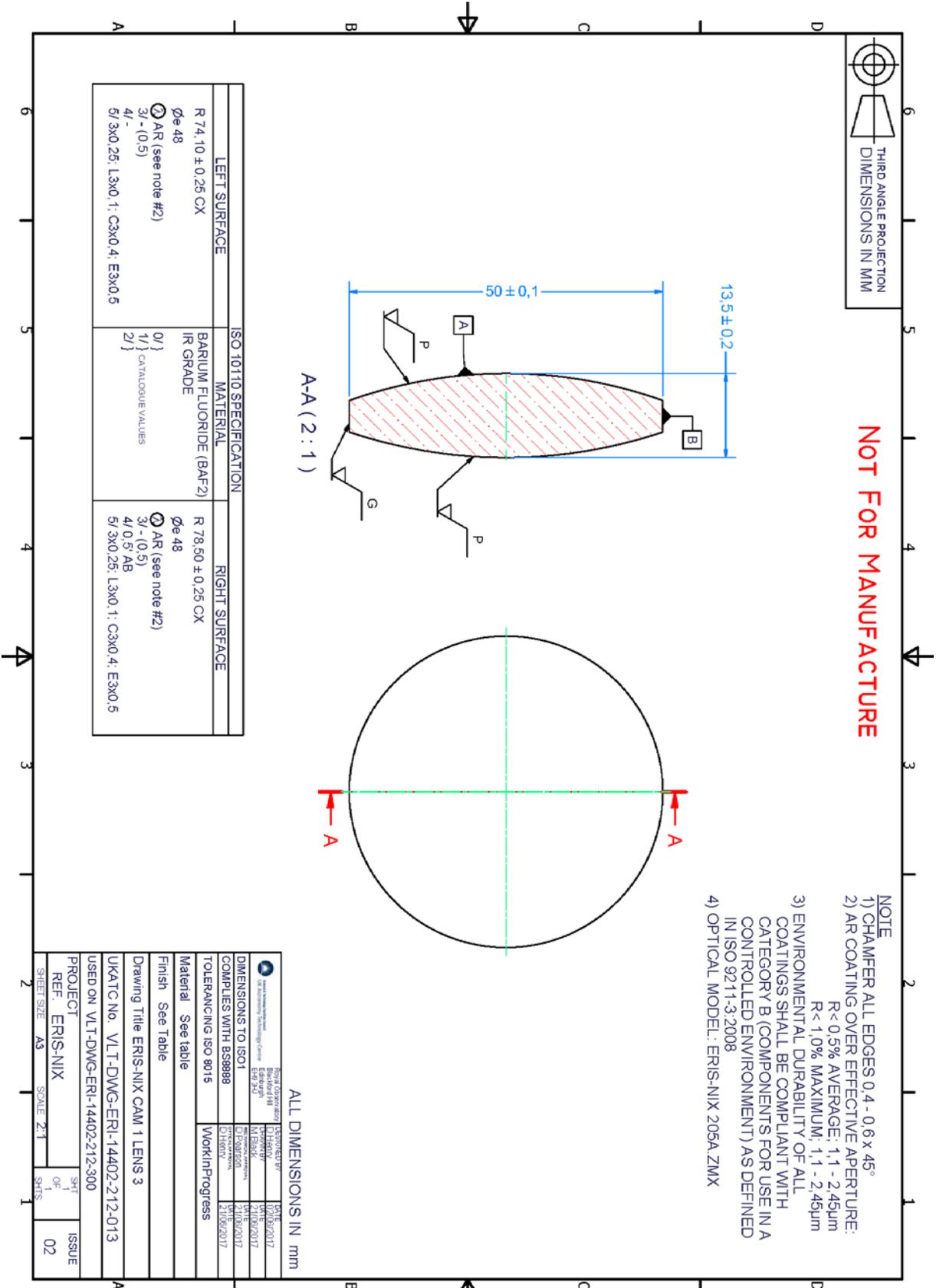


Fig.4. - AD04 VLT-DWG-ERI-14402-212-013 ERIIS-NIX CAM 1 LENS 3 02

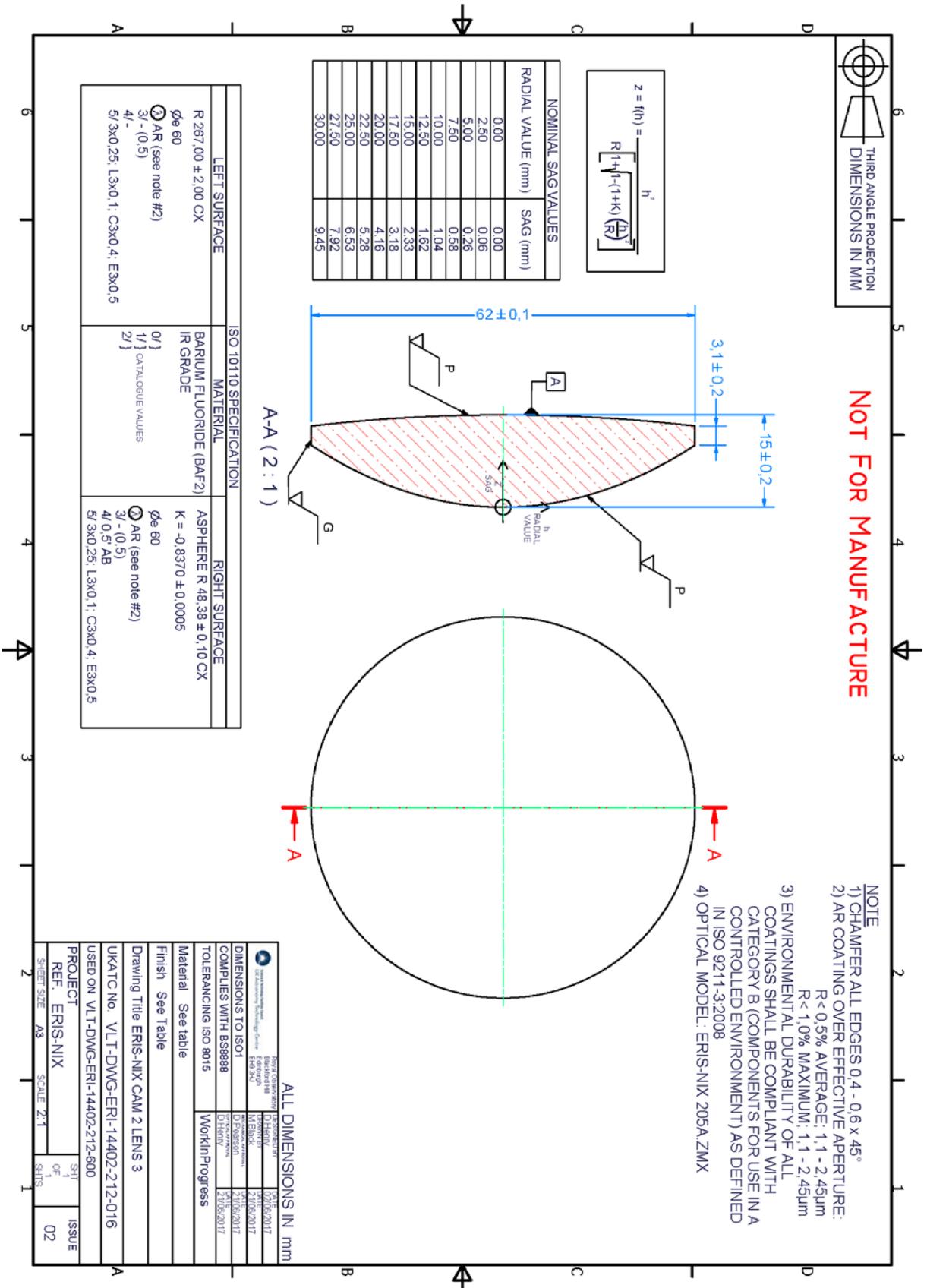


Fig.7. - AD07 VLT-DWG-ERI-14402-212-016 ERI-S-NIX CAM 2 LENS 3 02

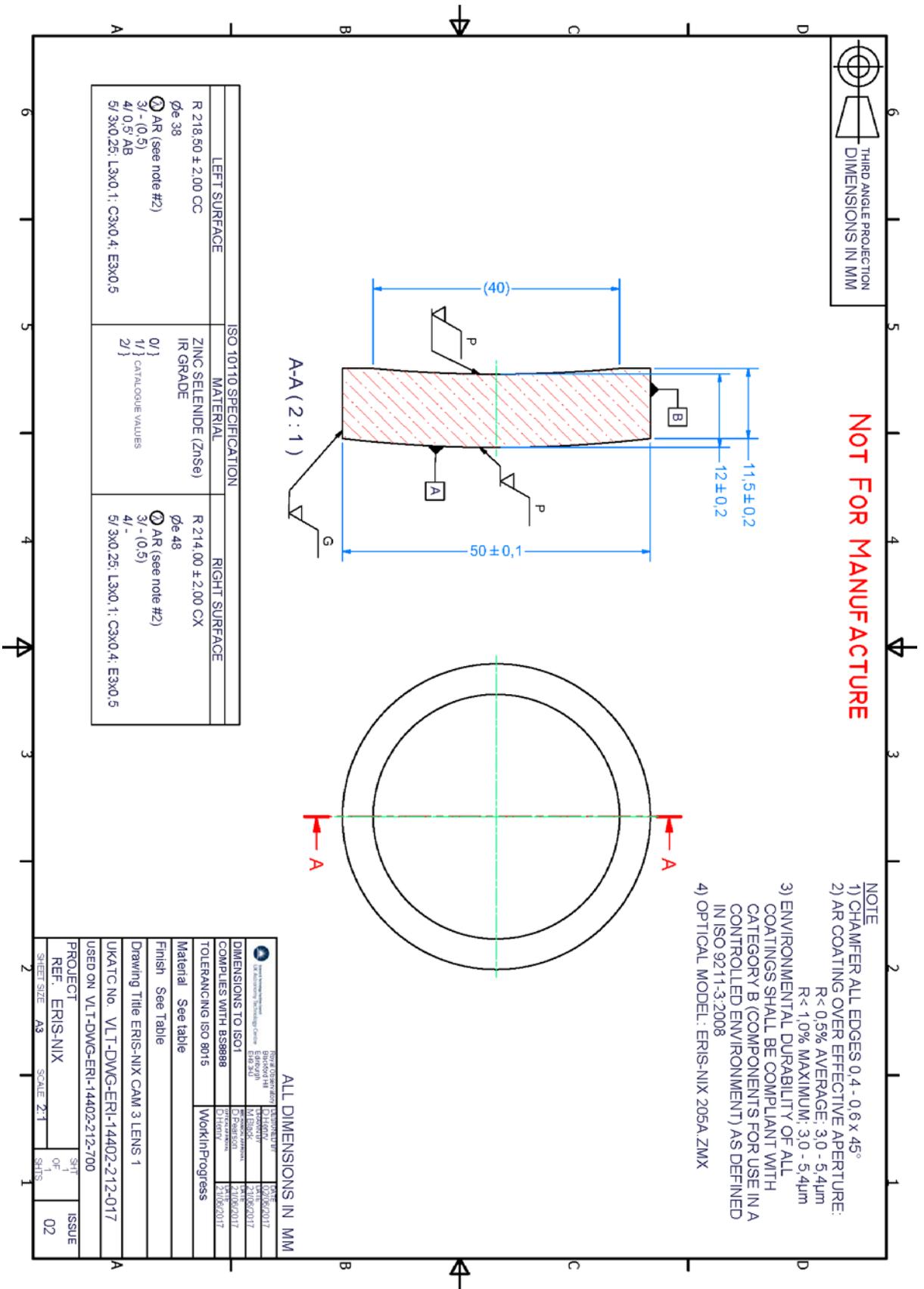


Fig.8. - AD08 VLT-DWG-ERI-14402-212-017 E-RIS-NIX CAM 3 LENS 1 02

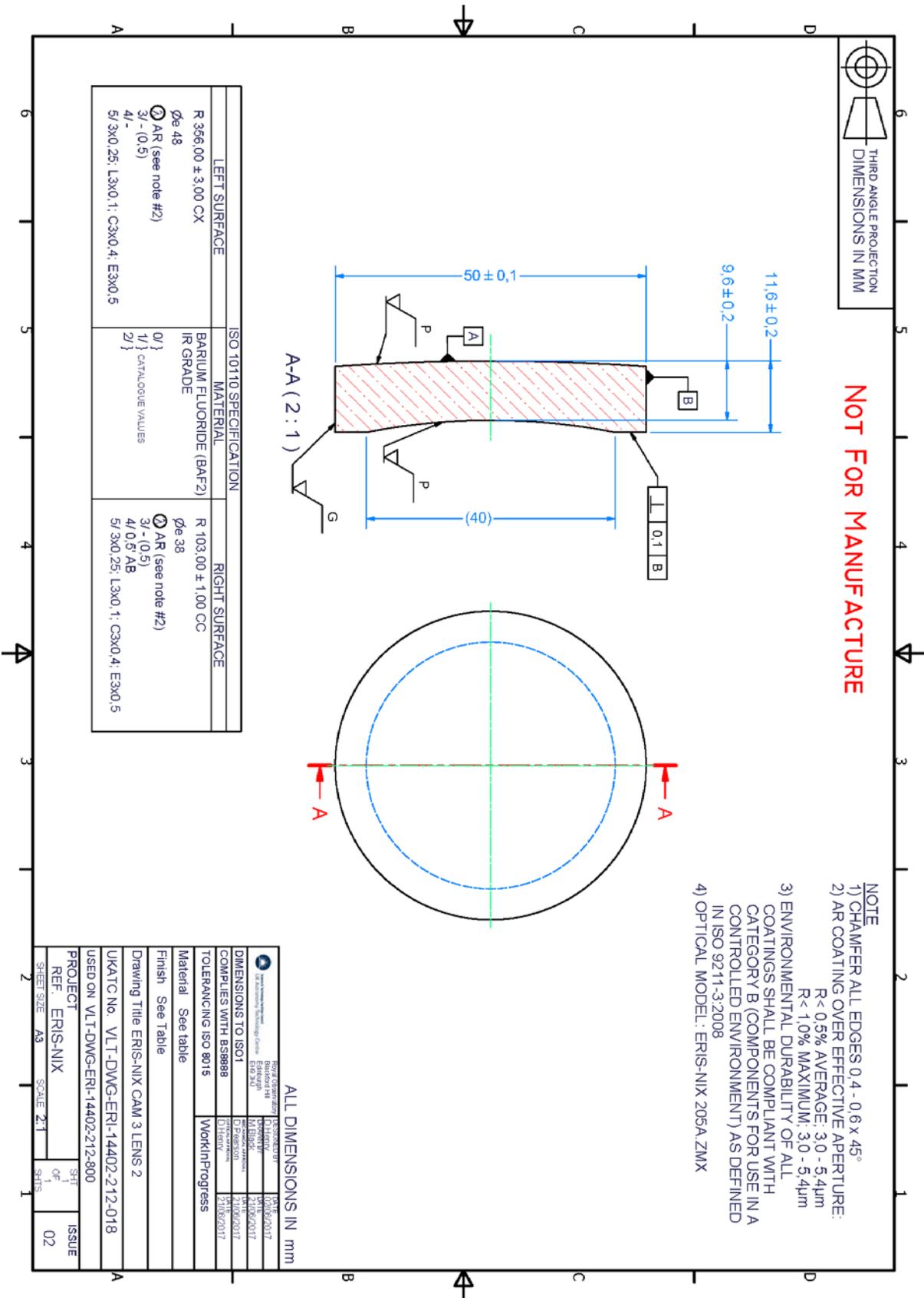


Fig.9. - AD09 VLT-DWG-ERI-14402-212-018 ERI-S-NIX CAM 3 LENS 2 02

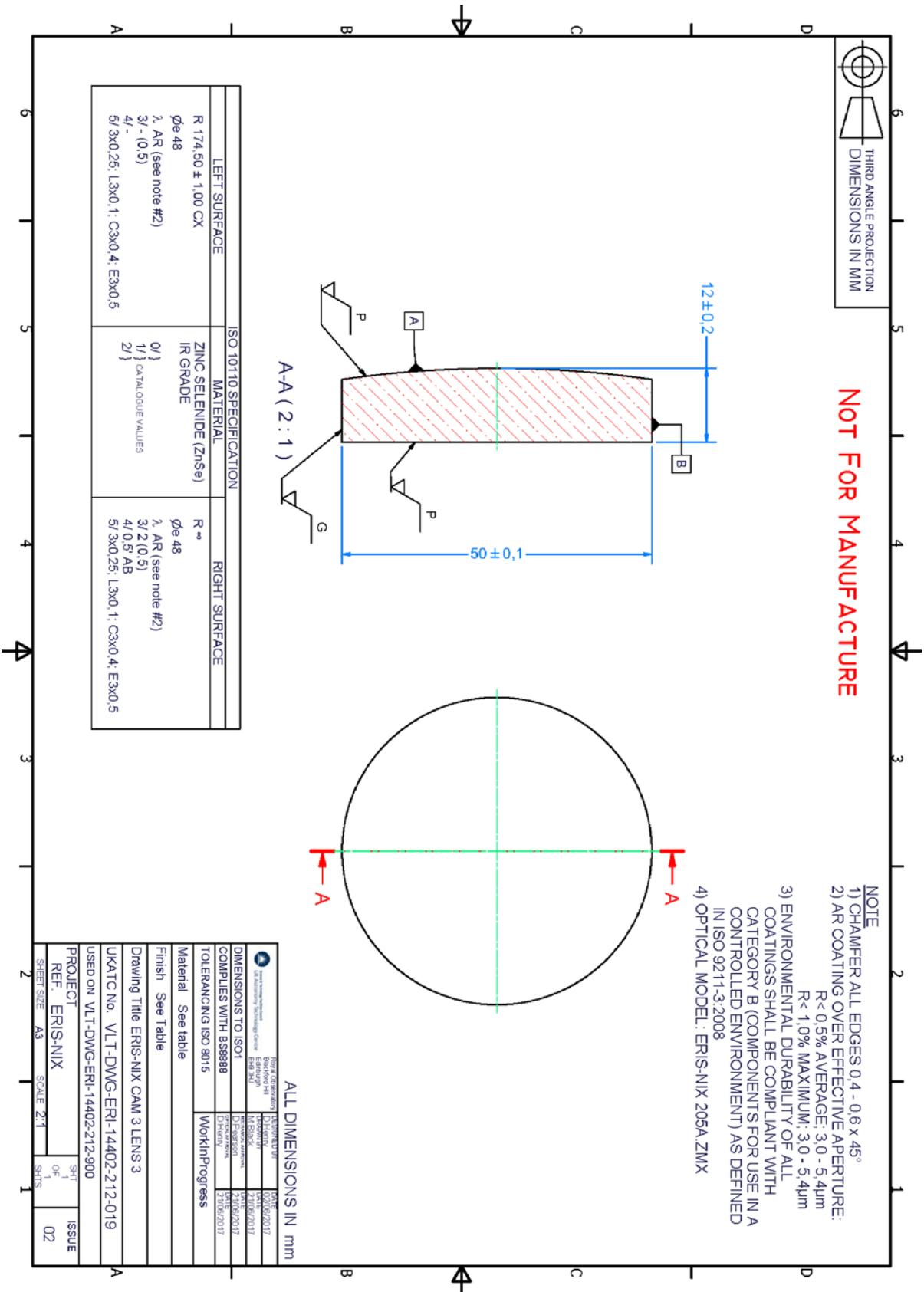


Fig.10. - AD10 VLT-DWG-ERI-14402-212-019 ERS-NIX CAM 3 LENS 3 02

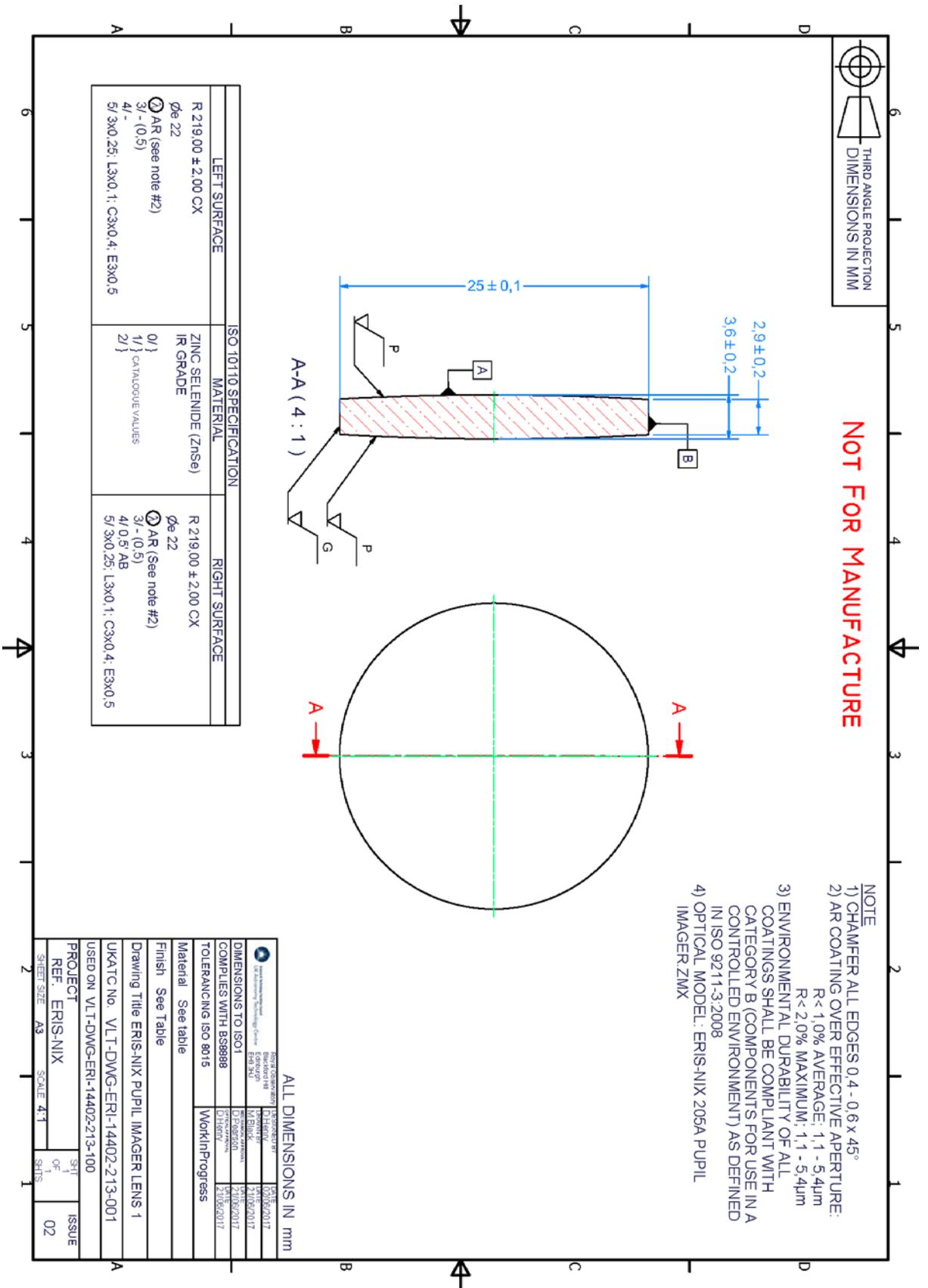


Fig.11. - AD11 VLT-DWG-ERI-14402-213-01 ERI-S-NIX PUPIL IMAGER LENS 1 02

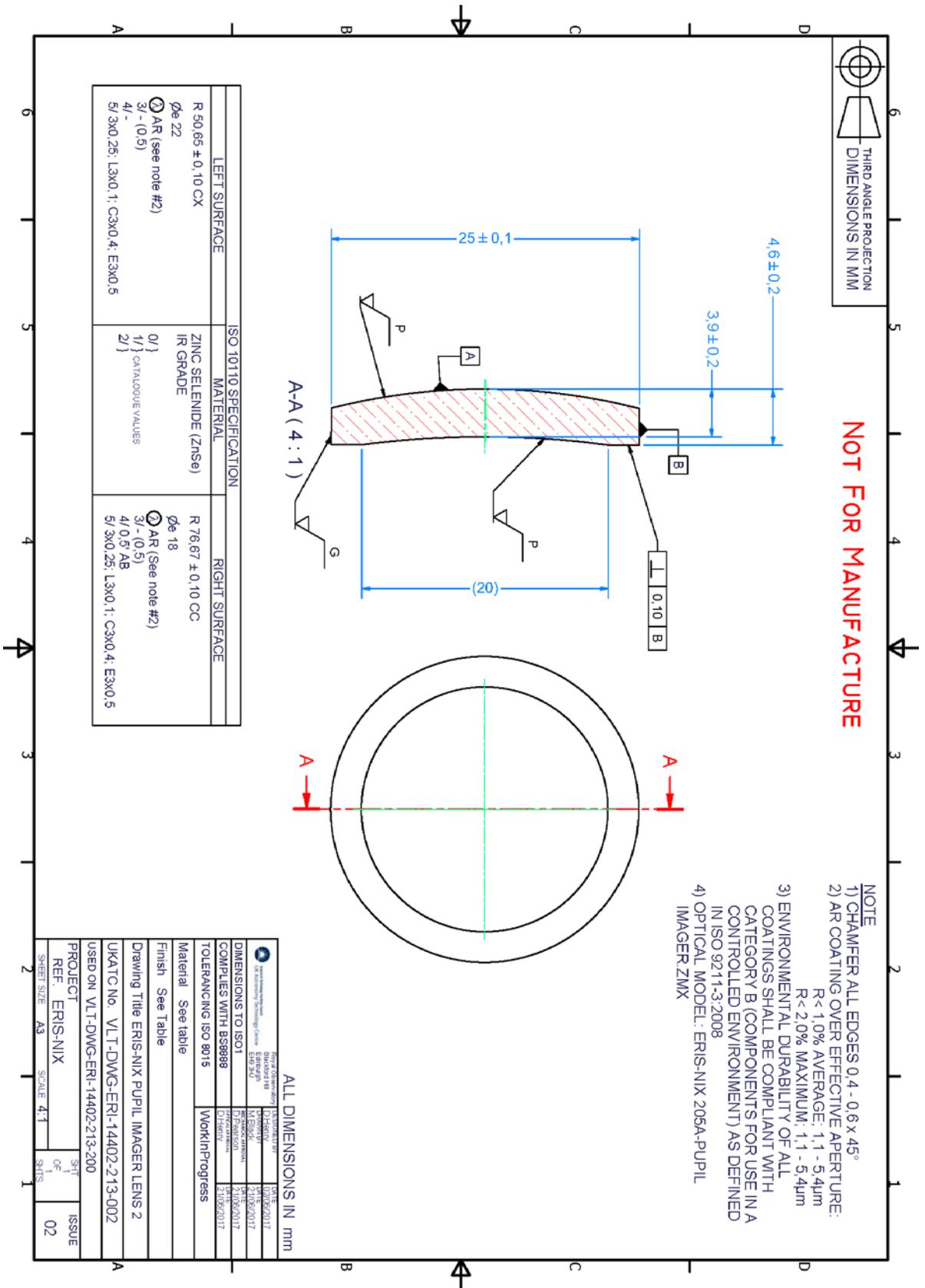


Fig.12. - AD12 VLT-DWG-ERI-14402-213-02 ERI-S-NIX PUPIL IMAGER LENS 2 02