| | | 8 | | 7 | | 6 |
|---|--------------|---|---|--|---|---|
| | | | | | | |
| | N | OTES | | | | |
| | 1. | ITEM 9 WILL BE ORIE | NTED WITH THE T | APPED HOLES FACING U | JP, ITEM 4 WILL BE OR | IENTED WITH |
| | | | | | EEDENCE EDOM ITEM 2 | |
| D | Ζ. | ITEM 9 TO BE PLACED ABSORBER PLATES. M PLATES (ITEM 9) TO B PLATES (ITEM 8). | | TTERN ON ITEM 5 & 9 T WELDED FOR PROPER | | |
| | 3. | E-BEAM WELD ALONG | CENTERLINE OF (), PERFORMING A | CONTACTING FACES ALL STAGGERED STITCH WE | ITEMS 3, 5, 6, & 9. ST | ART AT ITEM 4, AIL A. ALLOW 1/8" |
| | | PLATES TO ENSURE P | ROPER PLATE SPA | s and edges. Do not Cing and final assme Jring the Welding Pr | BLY GEOMETRY. NOTE | THAT ITEM 5 & 6 |
| | | ITEM 3 IS TO BE WEL LENGTH IS MAINTAIN LEAST 0.020" WELD V | ded Along Centi Ied. E-Beam Weld Vidth at All Par | ERLINE OF CONTACTING SHALL PENETRATE WIT T INTERFACES. WELDIN PRIOR TO FULL SCALE P | g face to ensure ove Th sufficient depth Ig procedure to be d | ERALL ASSEMBLY TO ENSURE AT |
| | 4. | POST MACHINE AND | OR STRAIGHTEN A /FRIFY THE INTEG | S NECESSARY POST WE RITY OF ALL WELDS AF | LDING TO ACHIEVE FIN | IAL DIMENSIONING |
| | 5. | ALL WELDING AND W | | | | |
| | 6. | ALL WELDS SHALL RE CERTIFICATION OF C | | SPECTION. SELLER SHA | | - |
| | 7. | ACCEPTABILITY OF TH | 11NG VISUAL INSPI | | | |
| | 8. | - | | DR LEVEL III IN ACCORD | | |
| С | 0. | MINIMUM / 0.002" TH | ICKNESS MAXIMU | M PER ASTM B766. | | |
| | | | | | | |
| | | 3.18 | | START WE | ELDING FROM ITEM #4 H WELD | , |
| | | 1/8" TYP – EDGE TO WELD | | | | [4] [199.00] [7.835] |
| | | 2X | | | EN LINES SHOWN CLARITY | FULLY ASSEMBLED WITH ITEMS 1 & 8 INSTALLED |
| | | [63.50] 2.50 TYP | 0 0 | | 1X | |
| | | WELD LENGTH | | 3.5 | 0 TYP LENGTH | |
| | | STAGGER WELD | S ======== | | LLNOTT | ☐ .015 (U) 0 A B C |
| | | EVERY 2ND PLA AS SHOWN | TE | | | |
| | | | | | | |
| | | | | NG DETIAL LE 1 : 4 | | |
| В | | | | | | |
| | | ENSURE NO GAP BET | | & ITEMS 3 & 6 PRI | | |
| | | | | NOTE THAT THIS G | SAP WILL OPEN UP 3 | 361X THROUGH ITEM #5 |
| | | | • | • • | | ALONG CENTERLINE OF INNER PLATES |
| | | | • | • • | . | |
| | | | | | \checkmark | 361X THROUGH ITEM #6 ALONG CENTERLINE |
| | | | | | | OF INNER PLATES |
| | | | | | | |
| | 9 5 | ABSORBER PLATE, TAPPED | AISI 1020 CARBON STEEL | PLATE | EPC-FWD-HCL-DET-PRT-107 | |
| | 8 55 | ABSORBER PLATE | AISI 1020 CARBON STEEL | PLATE | EPC-FWD-HCL-DET-PRT-106 | |
| ٨ | 7 2 6 1 | PCB SIDE COVER BOTTOM PLATE | AISI 304 STAINLESS STEEL | Sheet metal 14 Ga Sheet metal 14 Ga | EPC-FWD-HCL-DET-PRT-105 EPC-FWD-HCL-DET-PRT-104 | |
| A | 5 1 | TOP PLATE | STEEL AISI 1020 CARBON STEEL | SHEET METAL 14 GA | EPC-FWD-HCL-DET-PRT-103 | |
| | 4 1 | BACK PLATE | AISI 1020 CARBON STEEL | PLATE | EPC-FWD-HCL-DET-PRT-102 | |
| | 3 1 | FRONT PLATE | AISI 1020 CARBON STEEL | PLATE | EPC-FWD-HCL-DET-PRT-101 | |
| | 2 10 1 20 | MCMASTER_91390A129 MCMASTER_90358A001 | ALLOY STEEL ALLOY STEEL | M6-1.0 X 12MM LG SET SCREW M3-0.5 X 6MM LG LOW SHCS | COTS COTS | |

NAME/PART NO

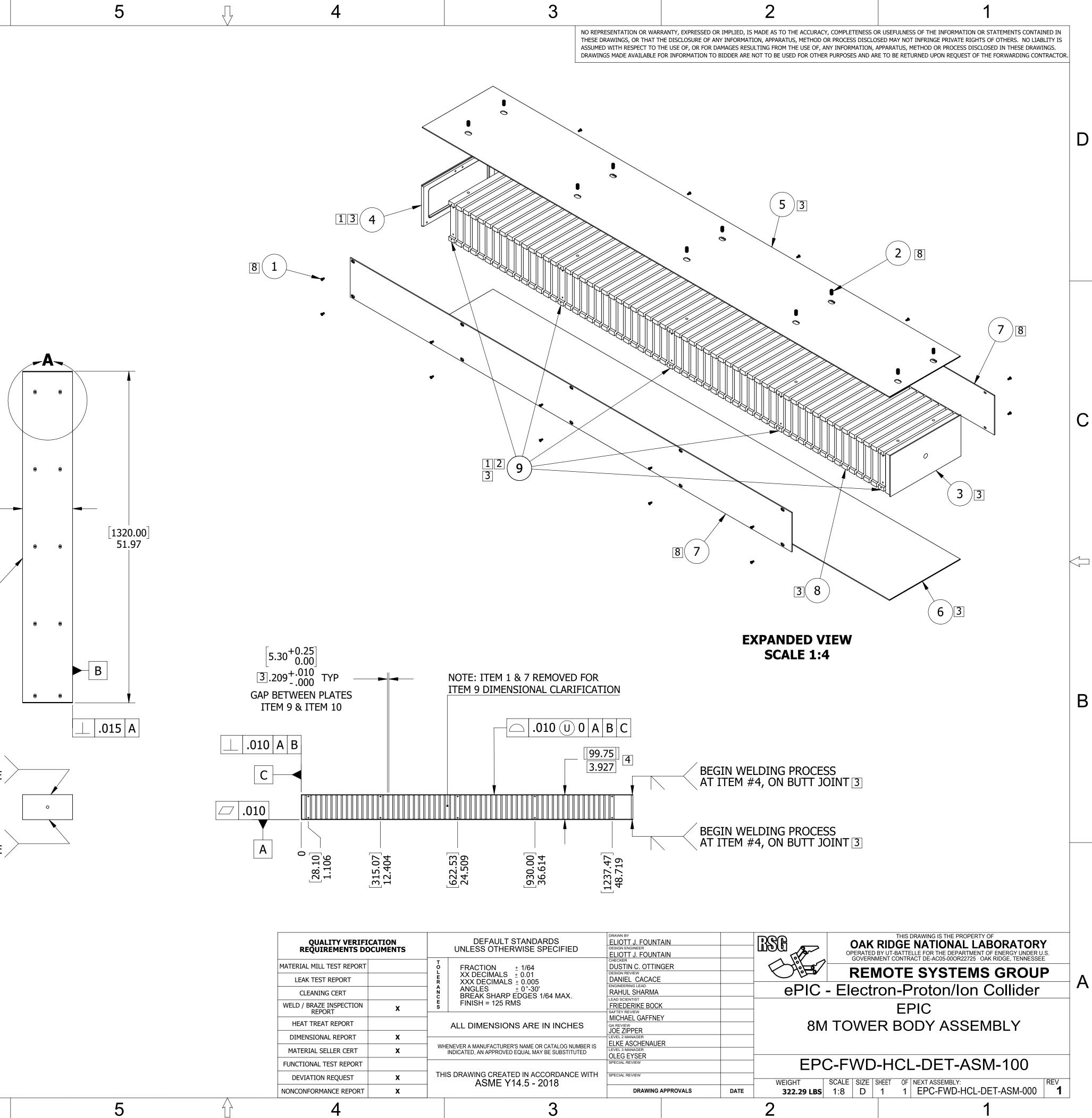
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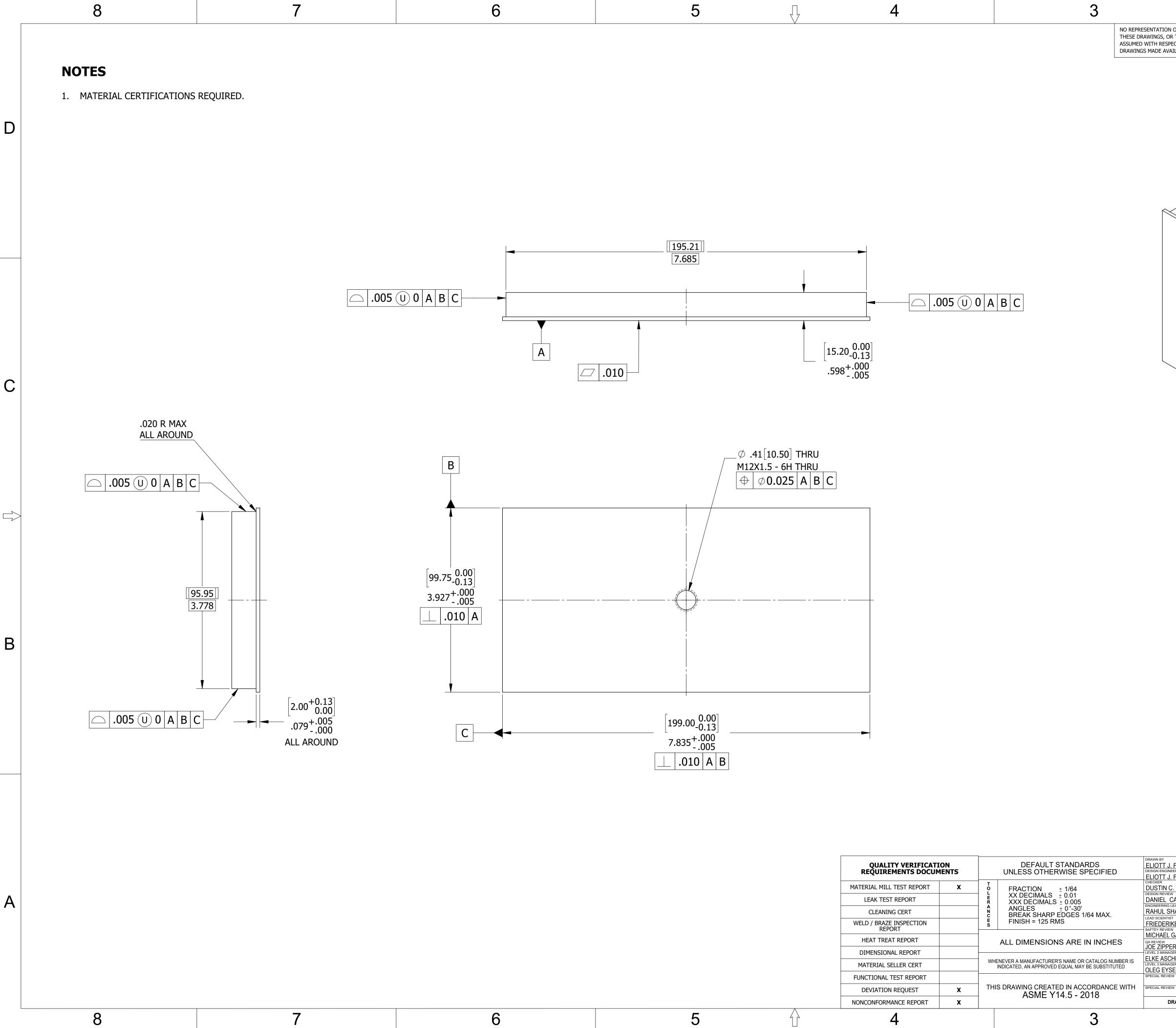
DESCRIPTION

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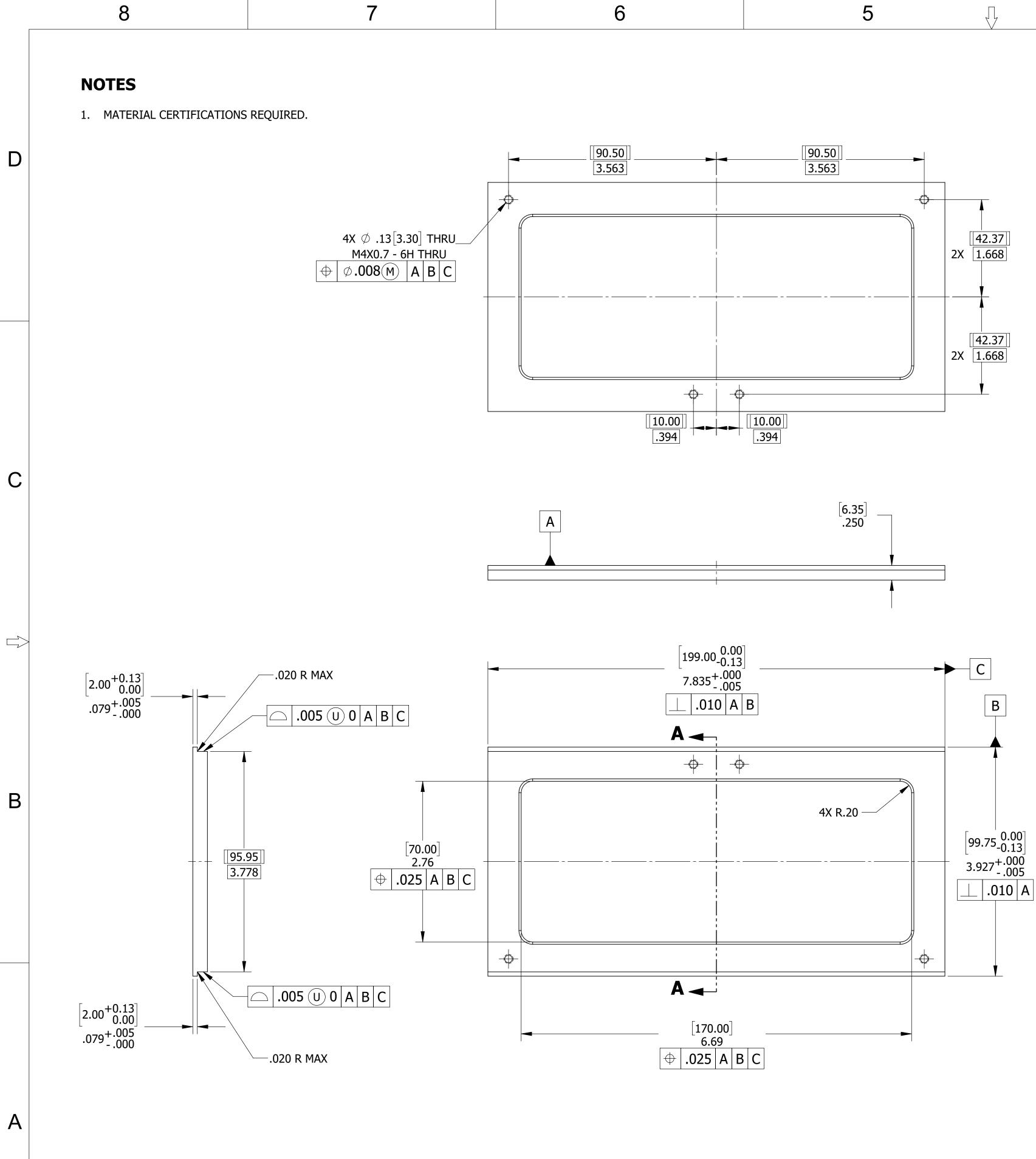
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ITEM QTY.



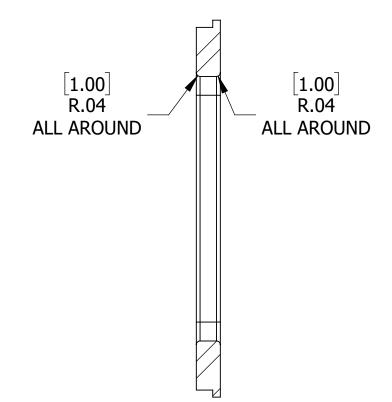


| THAT THE DISCLOSURE OF A | IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN Y INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABLITY IS MAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. IDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR. | |
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| | MATERIAL: AISI 1020 CARBON STEEL | |
| | THIS DRAWING IS THE PROPERTY OF OAK RIDGE NATIONAL LABORATORY | |
| FOUNTAIN OTTINGER | GOVERNMENT CONTRACT DE-AC05-000R22725 OAK RIDGE, TENNESSEE | |
| / CACACE FAD HARMA | ePIC - Electron-Proton/Ion Collider | A |
| r KE BOCK | EPIC | |
| GAFFNEY R | 8M TOWER BODY ASSEMBLY | |
| HENAUER ^{ER} R | | |
| N | EPC-FWD-HCL-DET-PRT-101 WEIGHT SCALE SIZE SHEET OF NEXT ASSEMBLY: REV | |
| RAWING APPROVALS | DATE 4.97 LBS 1:1 D 1 1 EPC-FWD-HCL-DET-ASM-100 1 2 1 5 1 1 1 EPC-FWD-HCL-DET-ASM-100 1 | |
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NO REPRESENTATION O THESE DRAWINGS, OR ASSUMED WITH RESPEC DRAWINGS MADE AVAIL



SECTION A-A

| QUALITY VERIFICA REQUIREMENTS DOC | TION UMENTS | | DEFAULT STANDARDS UNLESS OTHERWISE SPECIFIED | DRAWN BY ELIOTT J. FC DESIGN ENGINEER ELIOTT J. FC | | | |
|--------------------------------------|----------------|-------------|---|---|--|--|--|
| MATERIAL MILL TEST REPORT | Х | T O | FRACTION ± 1/64 | CHECKER DUSTIN C. C | | | |
| LEAK TEST REPORT | | ER | XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 | DESIGN REVIEW DANIEL CAC ENGINEERING LEAD | | | |
| CLEANING CERT | | A N C | ANGLES ± 0°-30' BREAK SHARP EDGES 1/64 MAX. | RAHUL SHAI | | | |
| WELD / BRAZE INSPECTION REPORT | | E S | FINISH = 125 RMS | LEAD SCIENTIST FRIEDERIKE SAFTEY REVIEW MICHAEL GA | | | |
| HEAT TREAT REPORT | | | ALL DIMENSIONS ARE IN INCHES | | | | |
| DIMENSIONAL REPORT | | | | | | | |
| MATERIAL SELLER CERT | | | OFRACTION± 1/64LXX DECIMALS± 0.01RXXX DECIMALS± 0.005AANGLES± 0°-30'CBREAK SHARP EDGES 1/64 MAX.EFINISH = 125 RMS | | | | |
| FUNCTIONAL TEST REPORT | | | | OLEG EYSER SPECIAL REVIEW | | | |
| DEVIATION REQUEST | X | ТНІ | | SPECIAL REVIEW | | | |
| NONCONFORMANCE REPORT | X | | //GME 114.0 - 2010 | DRAV | | | |
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| S, OR THAT THE DISCLOSURE OF AN RESPECT TO THE USE OF, OR FOR D | IY INFORMATION AMAGES RESULT | I, APPARATUS, METHOD OR ING FROM THE USE OF, AN | R PROCESS DISCLO Y INFORMATION, A | R USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN SED MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABLITY IS APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. E TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR | D |
|--|---------------------------------|--|--------------------------------------|--|---|
| | ISO | | EW | | C |
| | | | | | |
| | | | | | B |
| | | | МАТ | ERIAL: AISI 1020 CARBON STEEL | |
| IT J. FOUNTAIN ENGINEER IT J. FOUNTAIN | [| BSG 5 | OAK | THIS DRAWING IS THE PROPERTY OF RIDGE NATIONAL LABORATORY BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY UNDER U.S. MENT CONTRACT DE-AC05-000R22725 OAK RIDGE, TENNESSEE | _ |
| | | | REN | NOTE SYSTEMS GROUP | A |
| RING LEAD JL SHARMA JENTIST DERIKE BOCK | | ePIC - | Electr | on-Proton/Ion Collider | |
| AEL GAFFNEY | | 8M | TOWE | EPIC R BODY ASSEMBLY | |
| MANAGER ASCHENAUER MANAGER | | | | ACK PLATE | |
| EYSER REVIEW REVIEW | | | | -HCL-DET-PRT-102 | |
| DRAWING APPROVALS | DATE | WEIGHT 0.82 LBS | SCALE SIZE SIZE SIZE | The state of Next Assembly: 1 1 EPC-FWD-HCL-DET-ASM-100 1 1 | |
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1. MATERIAL CERTIFICATIONS REQUIRED.

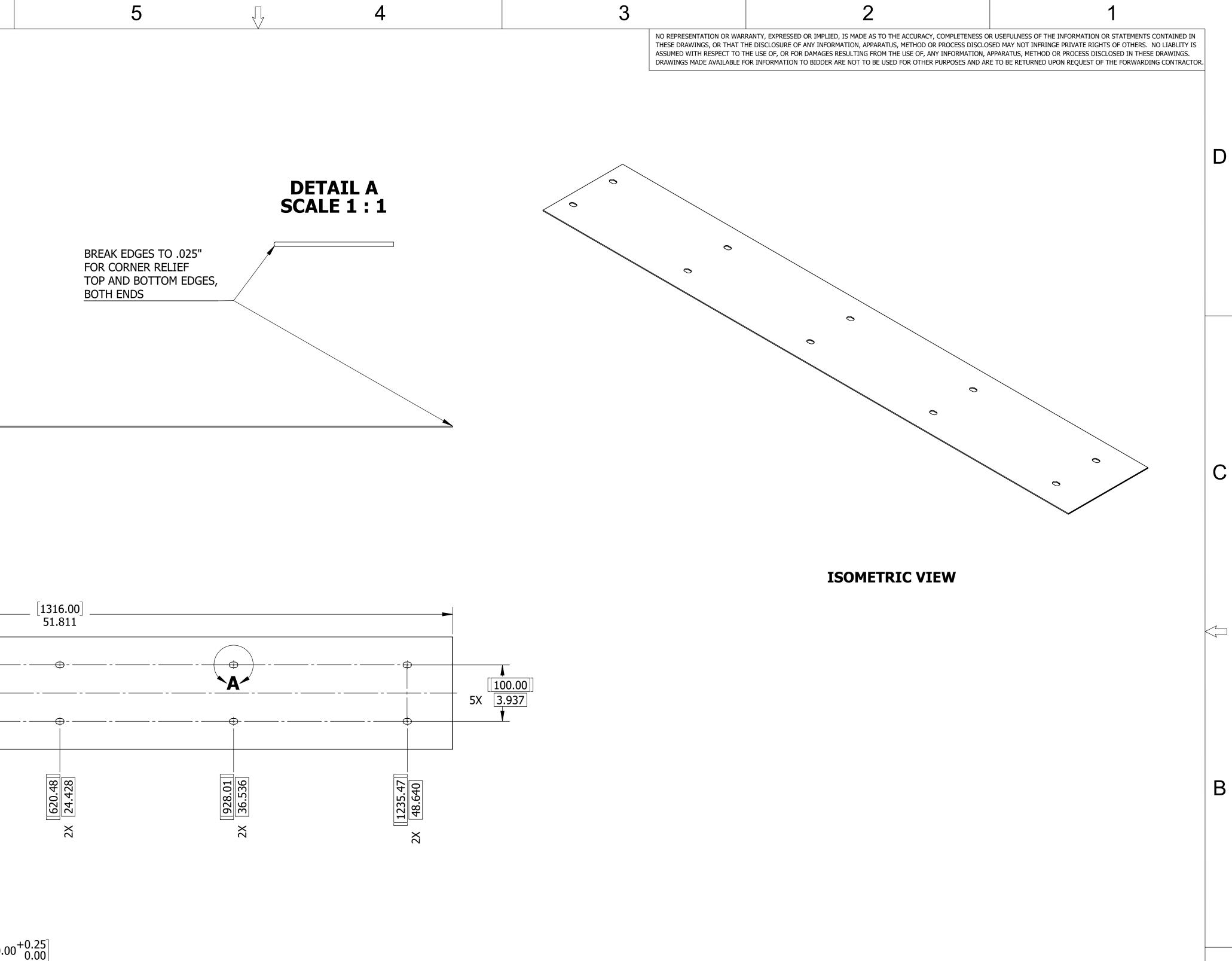
_ [1.90] .0747 STK Α .010 A B - C $\begin{bmatrix} 199.00 & 0.00 \\ 0.13 \end{bmatrix}$ $7.835^{+.000}_{-.005}$ 2X <u>12.38</u> [620.48] 2X 24.428 2X .000 В 0 $\begin{bmatrix} 15.00 + 0.25 \\ 0.00 \end{bmatrix}$ 10X .591 + .010 - .000 $\begin{bmatrix} 10.00 + 0.25 \\ 0.00 \end{bmatrix}$ 10X .394 + .010 - .000 ⊕ .025 M A B C ⊕ .010 M A B C $\left(+ \right)$

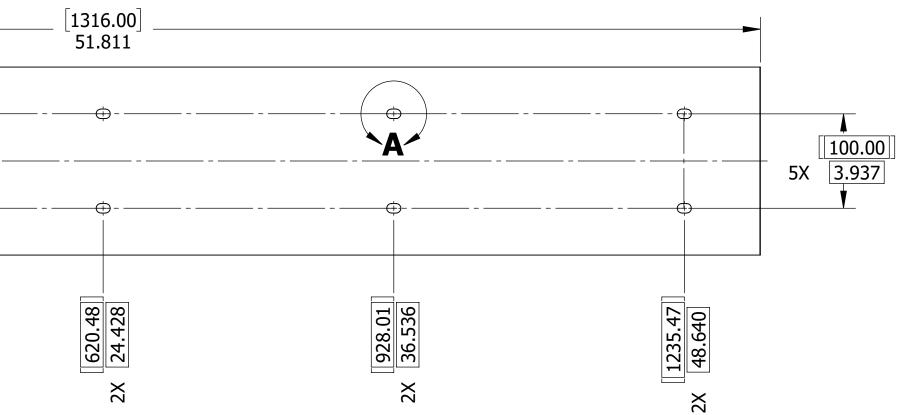
DETAIL A SCALE 1 : 2

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| QUALITY VERIFIC/ REQUIREMENTS DOC | ATION UMENTS | | DEFAULT STANDARDS UNLESS OTHERWISE SPECIFIED | DRAWN BY ELIOTT J. F DESIGN ENGINEE ELIOTT J. F |
|--------------------------------------|-----------------|-------------|---|--|
| MATERIAL MILL TEST REPORT | X | T O | FRACTION ± 1/64 | DUSTIN C. |
| LEAK TEST REPORT | | ER | XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 | DESIGN REVIEW DANIEL CA ENGINEERING LE |
| CLEANING CERT | | A N C | ANGLES ± 0°-30' BREAK SHARP EDGES 1/64 MAX. | RAHUL SH |
| WELD / BRAZE INSPECTION REPORT | | E S | FRIEDERIK SAFTEY REVIEW | |
| HEAT TREAT REPORT | |] | ALL DIMENSIONS ARE IN INCHES | |
| DIMENSIONAL REPORT | |] | | JOE ZIPPER |
| MATERIAL SELLER CERT | | Т WH | IENEVER A MANUFACTURER'S NAME OR CATALOG NUMBER IS INDICATED, AN APPROVED EQUAL MAY BE SUBSTITUTED | ELKE ASCH |
| FUNCTIONAL TEST REPORT | | 1 | | SPECIAL REVIEW |
| DEVIATION REQUEST | X | TH | IS DRAWING CREATED IN ACCORDANCE WITH ASME Y14.5 - 2018 | SPECIAL REVIEW |
| NONCONFORMANCE REPORT | X |] | AGINE 114.3 - 2010 | DR |
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MATERIAL: AISI 1020 CARBON STEEL

| J. FOUNTAIN ^{NEER} J. FOUNTAIN | | THIS DRAWING IS THE PROPERTY OF OAK RIDGE NATIONAL LABORATO OPERATED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY UND GOVERNMENT CONTRACT DE-AC05-000R22725 OAK RIDGE, TENNE | ER U.S. | | | | |
|---|------|--|------------|--|--|--|--|
| C. OTTINGER | | REMOTE SYSTEMS GRO | | | | | |
| SHARMA | | ePIC - Electron-Proton/Ion Collide | er A | | | | |
| | | EPIC | | | | | |
| <u>_ GAFFNEY</u> PER | | 8M TOWER BODY ASSEMBLY | | | | | |
| ager CHENAUER ager | | TOP PLATE | | | | | |
| ISER IIEW | | EPC-FWD-HCL-DET-PRT-103 | | | | | |
| IEW DRAWING APPROVALS | DATE | WEIGHT SCALE SIZE SHEET OF NEXT ASSEMBLY: 8.61 LBS 1:4 D 1 1 EPC-FWD-HCL-DET-ASM-10 | 0 1 | | | | |
| | | 2 1 | | | | | |

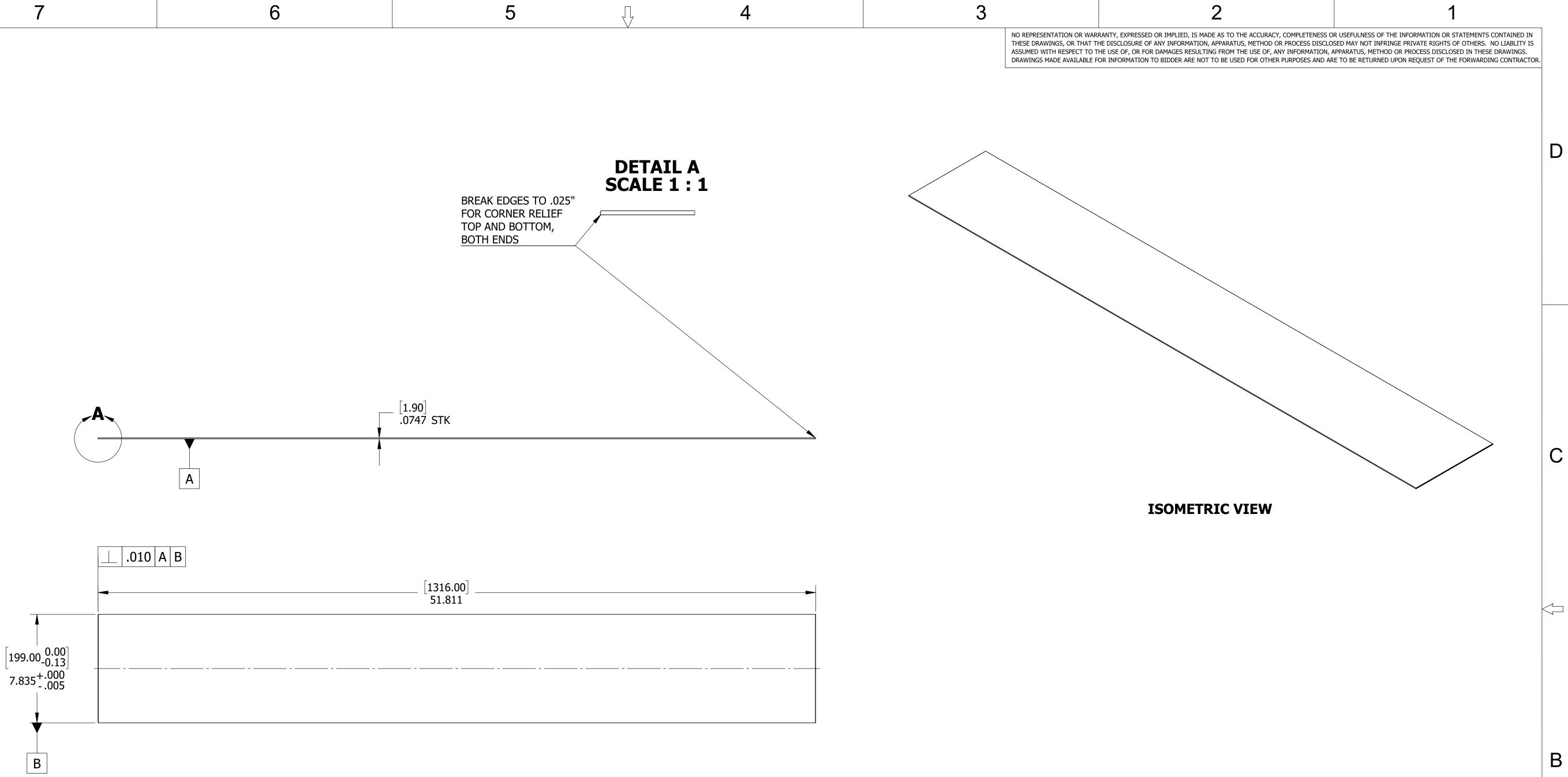
1. MATERIAL CERTIFICATIONS REQUIRED.

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| NONCONFORMANCE REPORT | X | | DRAWING A | PPROVALS | DATE | 8.65 LBS 1:4 D | 1 1 EPC-FWD-HCL-DET-ASM-100 1 |
| DEVIATION REQUEST | x | THIS DRAWING CREATED IN ACCORDANCE WITH ASME Y14.5 - 2018 | SPECIAL REVIEW | | | WEIGHT SCALE SIZE | SHEET OF NEXT ASSEMBLY: REV |
| FUNCTIONAL TEST REPORT | | | SPECIAL REVIEW | | | EPC-FWD | -HCL-DET-PRT-104 |
| MATERIAL SELLER CERT | | WHENEVER A MANUFACTURER'S NAME OR CATALOG NUMBER IS INDICATED, AN APPROVED EQUAL MAY BE SUBSTITUTED | LEVEL 3 MANAGER | <u>\</u> | | | |
| DIMENSIONAL REPORT | | | LEVEL 2 MANAGER ELKE ASCHENAUER | > | | PC | TTOM PLATE |
| HEAT TREAT REPORT | | ALL DIMENSIONS ARE IN INCHES | MICHAEL GAFFNEY | | | 8M TOWE | R BODY ASSEMBLY |
| WELD / BRAZE INSPECTION REPORT | _ | FINISH = 125 RMS | FRIEDERIKE BOCK | | EPIC | | |
| CLEANING CERT | | A N C BREAK SHARP EDGES 1/64 MAX. | ENGINEERING LEAD RAHUL SHARMA | | | ePIC - Electi | on-Proton/Ion Collider |
| LEAK TEST REPORT | | XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 | DANIEL CACACE | | | | NOTE SYSTEMS GROUP |
| MATERIAL MILL TEST REPORT | X | FRACTION ± 1/64 | CHECKER DUSTIN C. OTTING | | | | |
| QUALITY VERIFICATI REQUIREMENTS DOCUM | | DEFAULT STANDARDS UNLESS OTHERWISE SPECIFIED | DRAWN BY ELIOTT J. FOUNTA DESIGN ENGINEER ELIOTT J. FOUNTA | | | | THIS DRAWING IS THE PROPERTY OF RIDGE NATIONAL LABORATORY BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY UNDER U.S. MENT CONTRACT DE-AC05-000R22725 OAK RIDGE, TENNESSEE |

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MATERIAL: AISI 1020 CARBON STEEL

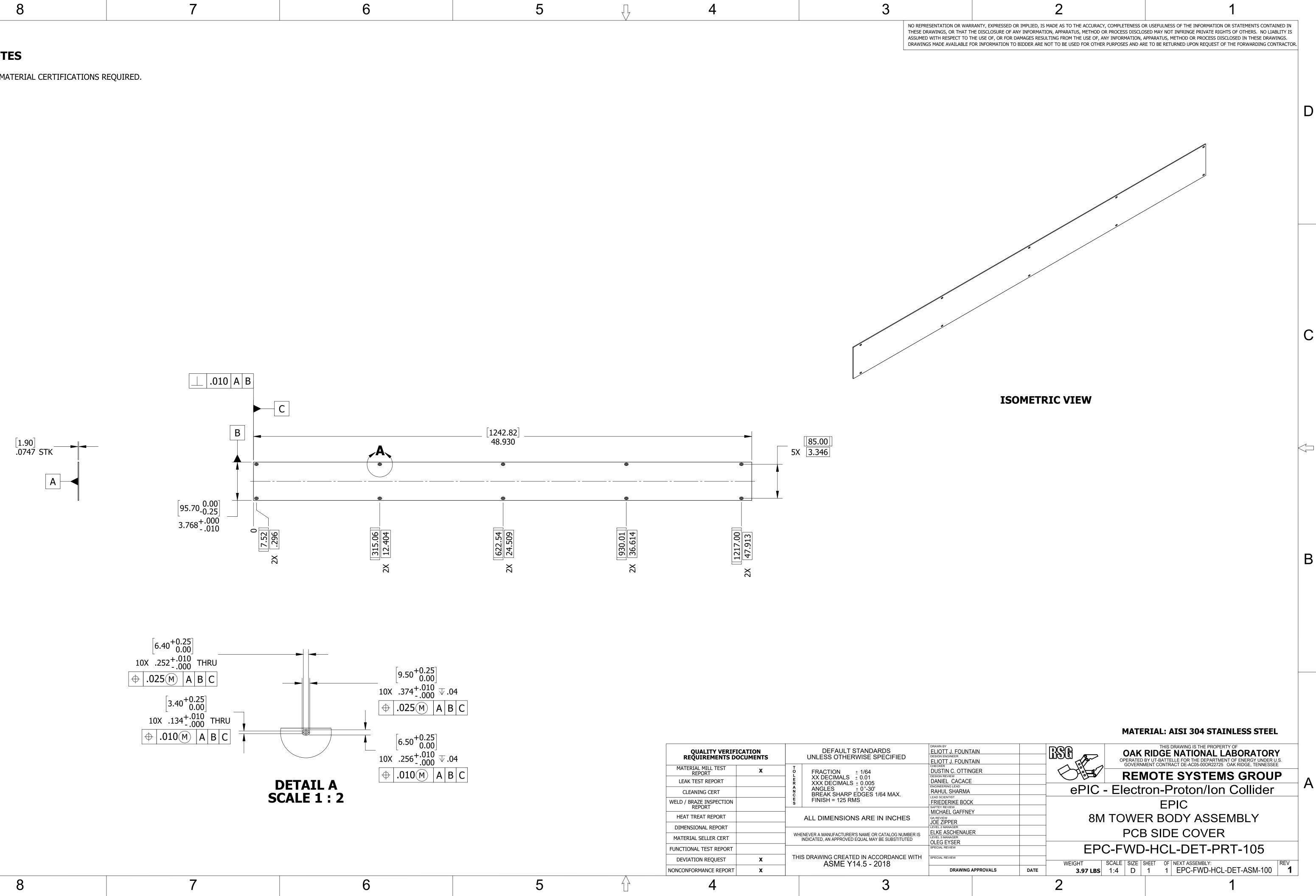
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| | | EPC-FWD-HCL-DET-PRT-105 | | | | | |
| APPROVALS | DATE | WEIGHT 3.97 LBS | SCALE 1:4 | SIZE D | SHEET 1 | 0F 1 | NEXT ASSEMBLY: EPC-FWD-HCL-DET-ASM-100 |
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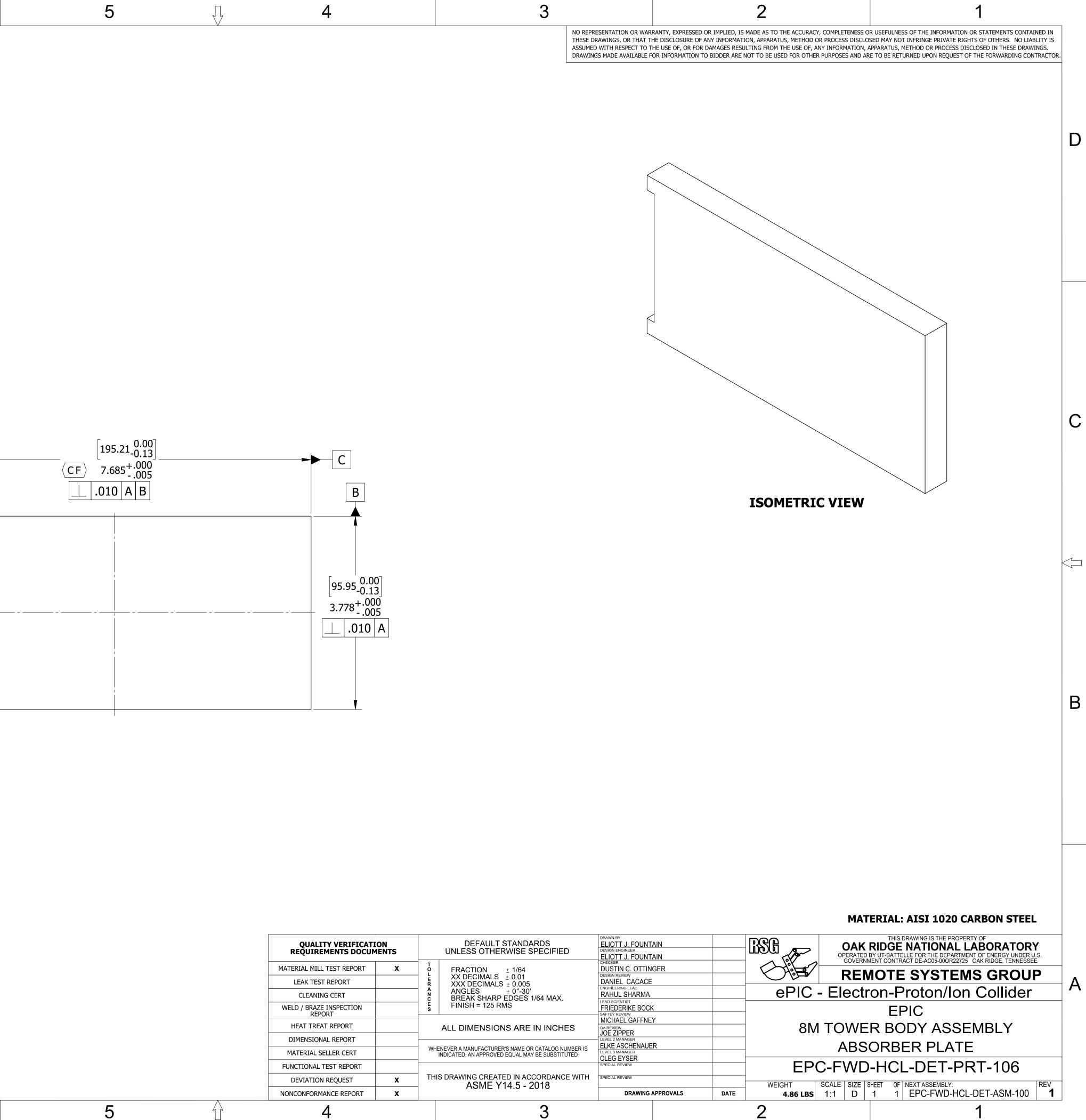
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1. MATERIAL CERTIFICATIONS REQUIRED.

 $\begin{bmatrix} 15.20 & 0.00 \\ 15.20 & -0.13 \end{bmatrix}$ $.598 ^{+.000}_{-.005}$ Α 2X .05 R MAX----[5.00] **—**

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| QUALITY VERIFICAT REQUIREMENTS DOCU | ION MENTS | | DEFAULT STANDARDS UNLESS OTHERWISE SPECIFIED | | |
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| MATERIAL MILL TEST REPORT | X | T O | FRACTION ± 1/64 | ELIOTT J. FO CHECKER DUSTIN C. (| |
| LEAK TEST REPORT | | E | XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 | DESIGN REVIEW DANIEL CA | |
| CLEANING CERT | | A N C | ANGLES ± 0°-30' BREAK SHARP EDGES 1/64 MAX. | RAHUL SHA | |
| WELD / BRAZE INSPECTION REPORT | INSPECTION E FINISH = 125 RMS | FINISH = 125 RMS | FRIEDERIKE | | |
| HEAT TREAT REPORT | | 1 | ALL DIMENSIONS ARE IN INCHES | | |
| DIMENSIONAL REPORT | | | JOE ZIPPER | | |
| MATERIAL SELLER CERT | | W | HENEVER A MANUFACTURER'S NAME OR CATALOG NUMBER IS INDICATED, AN APPROVED EQUAL MAY BE SUBSTITUTED | ELKE ASCHE | |
| FUNCTIONAL TEST REPORT | | | | SPECIAL REVIEW | |
| DEVIATION REQUEST | x |] TH | IIS DRAWING CREATED IN ACCORDANCE WITH ASME Y14.5 - 2018 | SPECIAL REVIEW | |
| NONCONFORMANCE REPORT | x | | | DRA | |
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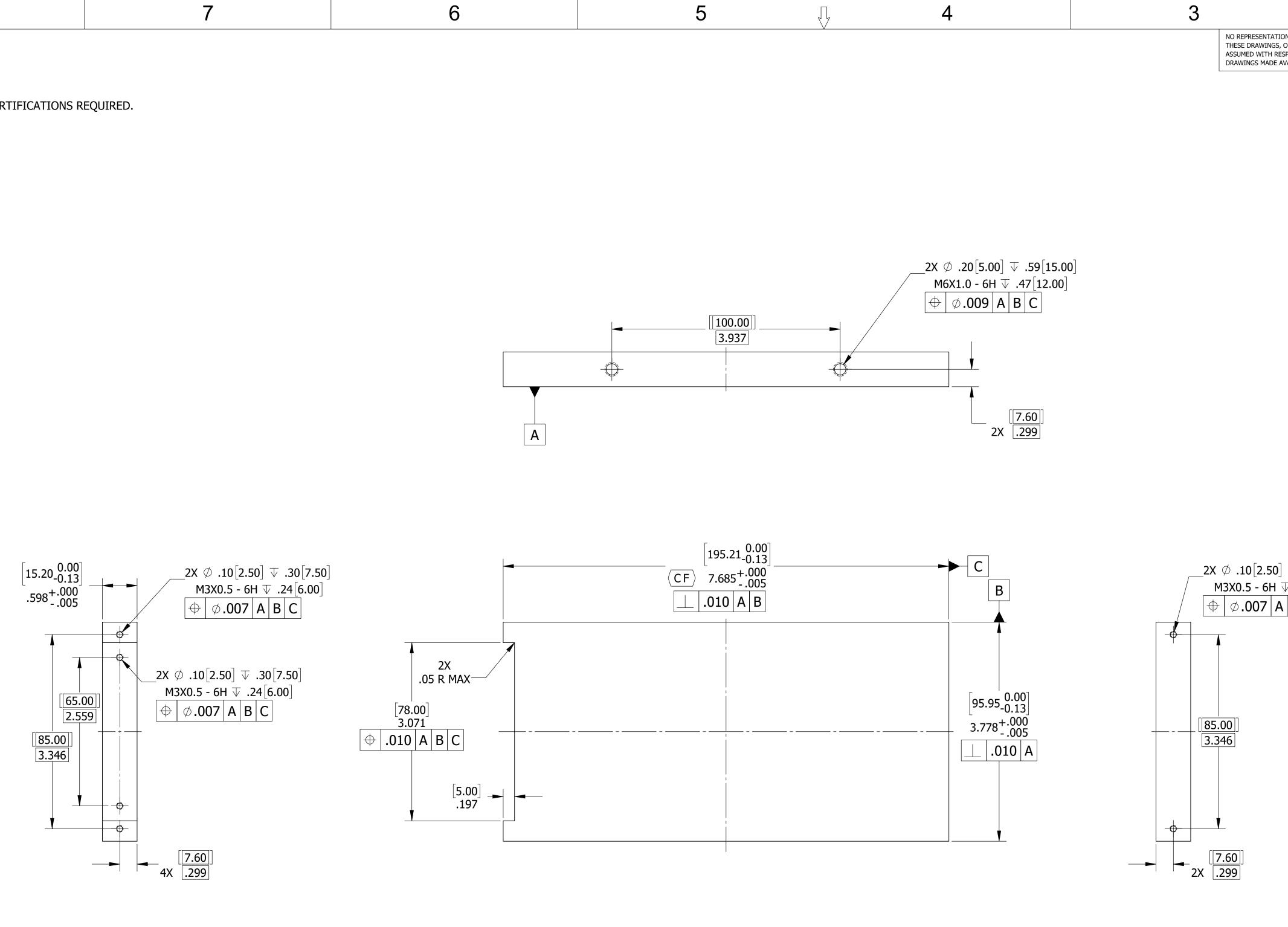
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1. MATERIAL CERTIFICATIONS REQUIRED.



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| | THESE I ASSUME | DRAWINGS, OR THAT THE DISCLOSURE OF ANY INFORMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES R | ATION, APPARATUS, METHOD OR PROCESS DIS ESULTING FROM THE USE OF, ANY INFORMATIC | S OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN CLOSED MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABLITY IS N, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR | R. |
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| | DEFAULT STANDARDS | DRAWN BY ELIOTT J. FOUNTAIN | | THIS DRAWING IS THE PROPERTY OF | _ |
| MATERIAL MILL TEST REPORT X | UNLESS OTHERWISE SPECIFIED | DESIGN ENGINEER ELIOTT J. FOUNTAIN CHECKER DUSTIN C. OTTINGER DESIGN REVIEW DANIEL CACACE | - OPERAT GOVE | K RIDGE NATIONAL LABORATORY ED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY UNDER U.S. RNMENT CONTRACT DE-AC05-000R22725 OAK RIDGE, TENNESSEE MOTE SYSTEMS GROUP | |
| | RXXX DECIMALS ± 0.005AANGLES± 0°-30'CBREAK SHARP EDGES 1/64 MAX.EFINISH = 125 RMS | ENGINEERING LEAD RAHUL SHARMA LEAD SCIENTIST FRIEDERIKE BOCK SAFTEY REVIEW | ePIC - Elec | tron-Proton/Ion Collider EPIC | - A |
| HEAT TREAT REPORT DIMENSIONAL REPORT | ALL DIMENSIONS ARE IN INCHES | MICHAEL GAFFNEY QA REVIEW JOE ZIPPER LEVEL 2 MANAGER ELKE ASCHENAUER LEVEL 3 MANAGER | | ER BODY ASSEMBLY BER PLATE, TAPPED | |
| FUNCTIONAL TEST REPORT DEVIATION REQUEST | INDICATED, AN APPROVED EQUAL MAY BE SUBSTITUTED THIS DRAWING CREATED IN ACCORDANCE WITH ASME Y14.5 - 2018 | OLEG EYSER SPECIAL REVIEW SPECIAL REVIEW | | D-HCL-DET-PRT-107 | |
| NONCONFORMANCE REPORT X | 3 | DRAWING APPROVALS DATE | | | |

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1. MATERIAL CERTIFICATIONS REQUIRED.

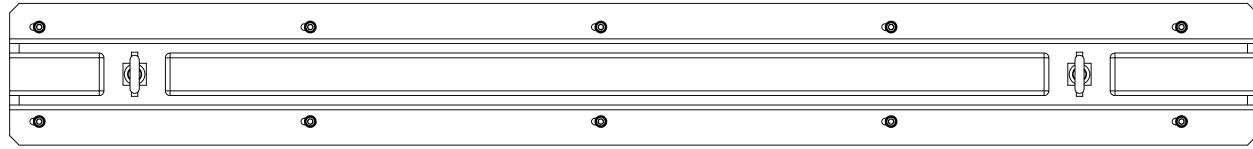
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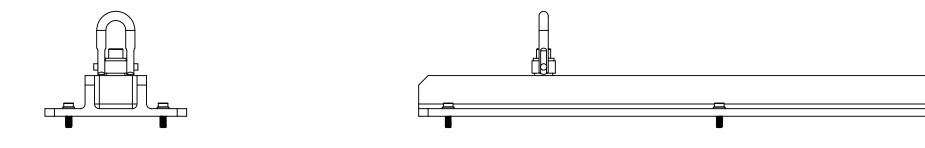
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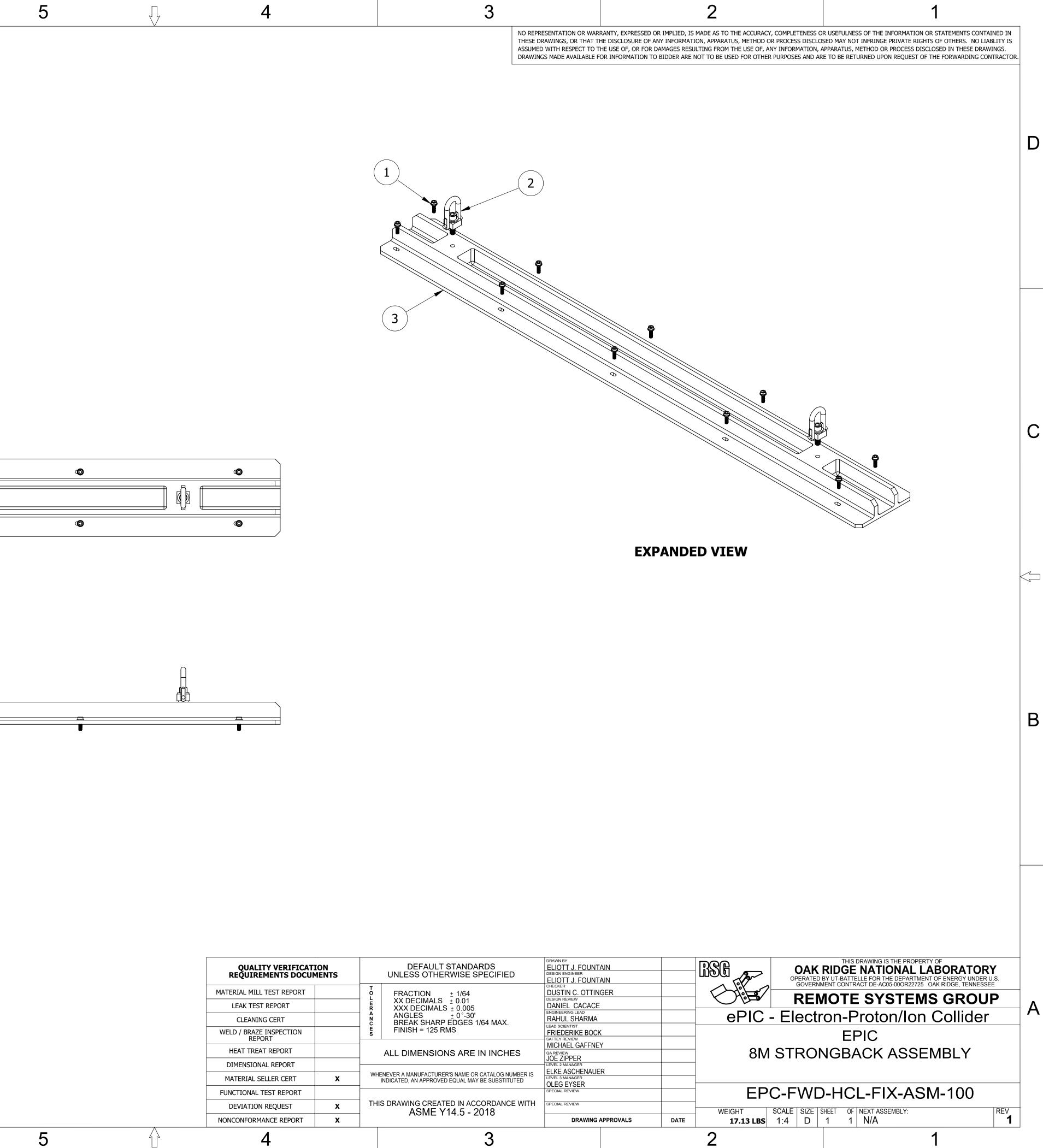
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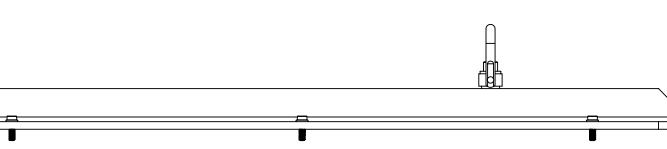
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|------|------|--------------------|------------------------------|-------------------------------------|-------------------------|
| ITEM | QTY. | NAME/PART NO | MATERIAL | MATERIAL DESCRIPTION | |
| 1 | 10 | MCMASTER_92235A240 | CLASS 12.9 ALLOY STEEL | M6-1.0 X 20MM LG SHCS | COTS |
| 2 | 2 | MCMASTER_3145T42 | NICKEL PLATED ALLOY STEEL | M10-1.5 HOIST RING, 975 LB CAPACITY | COTS |
| 3 | 1 | 8M STRONGBACK | 6061-T6 ALUMINUM ALLOY | MACHINED PART | EPC-FWD-HCL-FIX-PRT-101 |
| | | | | | |





| QUALITY VERIFICAT REQUIREMENTS DOCUM | ION MENTS | | DEFAULT STANDARDS UNLESS OTHERWISE SPECIFIED | DRAWN BY ELIOTT J. DESIGN ENGINE ELIOTT J. | |
|---|---|---|---|---|--|
| MATERIAL MILL TEST REPORT | | TO | FRACTION ± 1/64 | CHECKER DUSTIN C | |
| LEAK TEST REPORT | | O L R A N C E S - - - - - - - - - - - - - - - - - - | XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 | DESIGN REVIEW | |
| CLEANING CERT | | A N C | ANGLES ± 0°-30' BREAK SHARP EDGES 1/64 MAX | ENGINEERING LE | |
| WELD / BRAZE INSPECTION REPORT | | T UNLESS OTHERWISE SPECIFIED 0 FRACTION ± 1/64 2 XX DECIMALS ± 0.01 8 XXX DECIMALS ± 0.005 4 ANGLES ± 0°-30' 0 BREAK SHARP EDGES 1/64 MAX. 0 E 0 E | LEAD SCIENTIST FRIEDERIK SAFTEY REVIEW | | |
| HEAT TREAT REPORT | | | ALL DIMENSIONS ARE IN INCHES | | |
| DIMENSIONAL REPORT | E FINISH = 125 RMS ALL DIMENSIONS ARE IN INCHES WHENEVER A MANUFACTURER'S NAME OR CATALOG NUMBER IS | JOE ZIPPE | | | |
| MATERIAL SELLER CERT | x | UNLESS OTHERWISE SPECIFIED To FRACTION ± 1/64 XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 ANGLES ± 0°-30' BREAK SHARP EDGES 1/64 MAX. FINISH = 125 RMS ALL DIMENSIONS ARE IN INCHES WHENEVER A MANUFACTURER'S NAME OR CATALOG NUMBER IS INDICATED, AN APPROVED EQUAL MAY BE SUBSTITUTED THIS DRAWING CREATED IN ACCORDANCE WITH | ELKE ASCH | | |
| FUNCTIONAL TEST REPORT | | | | SPECIAL REVIEW | |
| DEVIATION REQUEST | x | ТН | | | |
| NONCONFORMANCE REPORT | X | | ASME 114.3 - 2010 | DF | |
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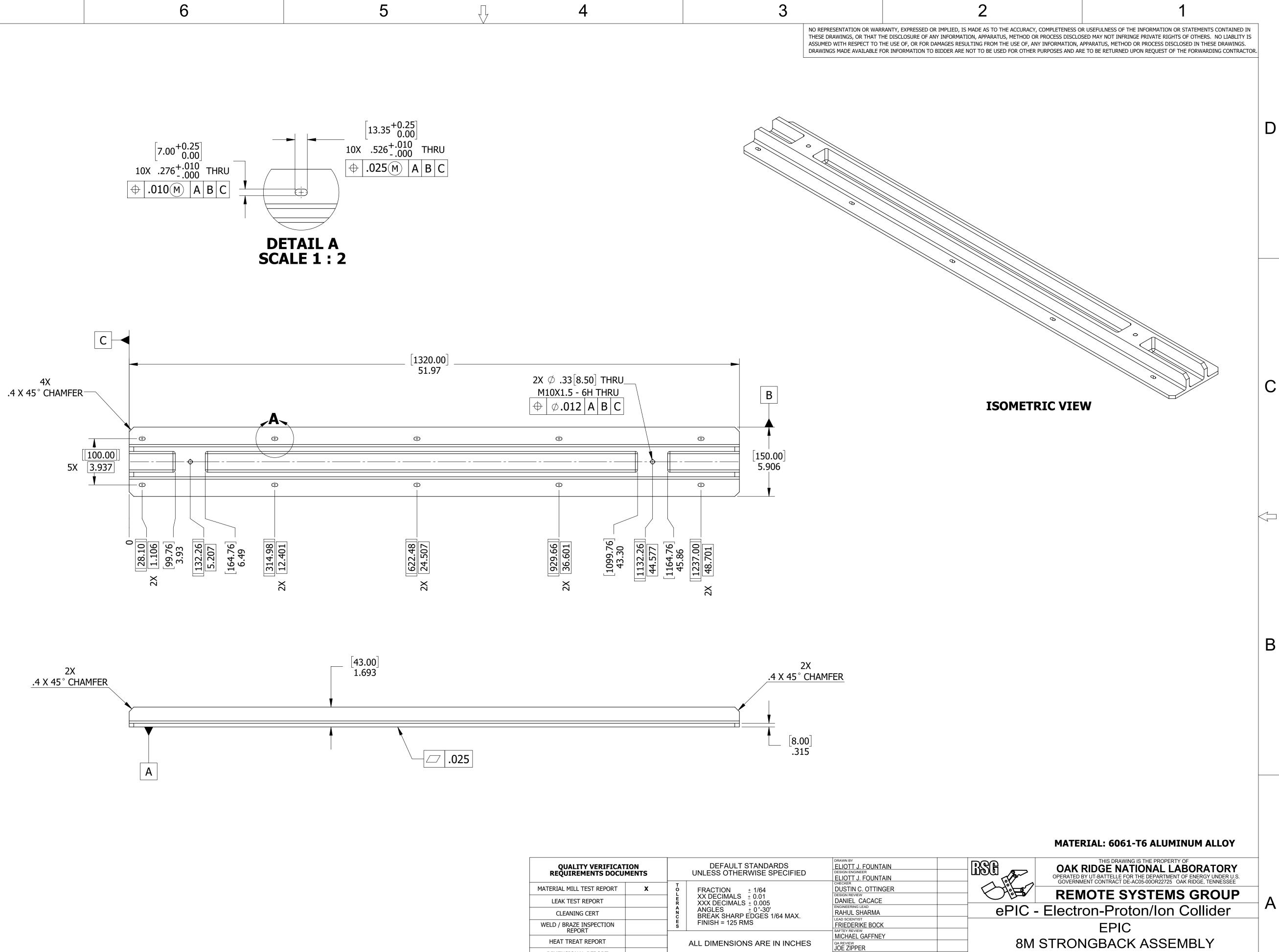
С

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- 1. MATERIAL MILL TEST REPORT REQUIRED.
- 2. MAKE FROM SINGLE PIECE OF ALUMINUM.
- 3. CAD FILE AVAILABLE UPON REQUEST.



DIMENSIONAL REPORT

MATERIAL SELLER CERT FUNCTIONAL TEST REPORT

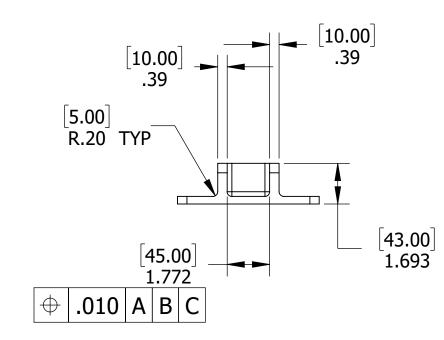
DEVIATION REQUEST

NONCONFORMANCE REPORT

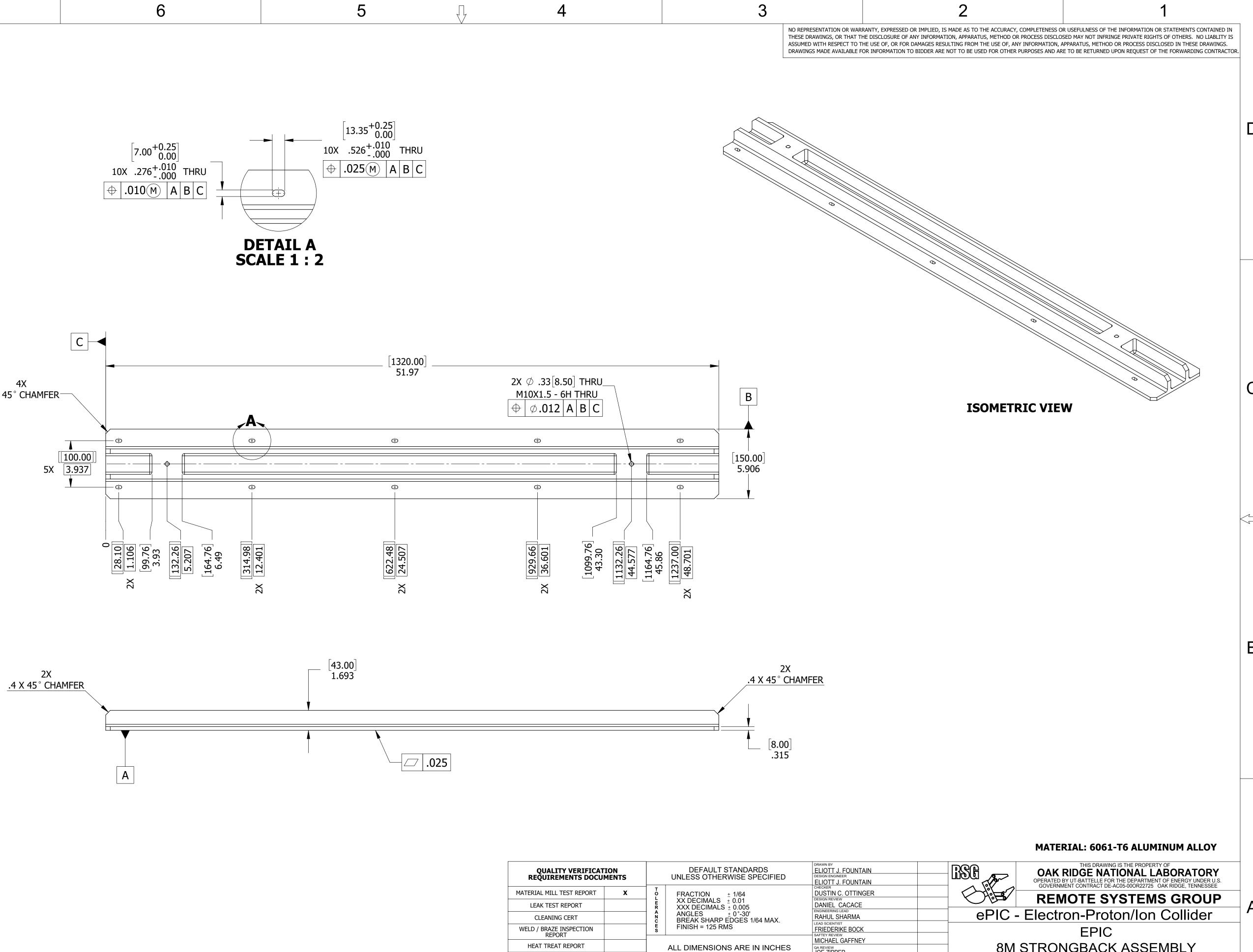
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| DEFAULT STANDARDS UNLESS OTHERWISE SPECIFIED | DRAWN BY ELIOTT J. FOUNTAIN DESIGN ENGINEER ELIOTT J. FOUNTAIN | | OPERATE | THIS DRAWING IS THE PROPERTY OF K RIDGE NATIONAL LABORATORY ED BY UT-BATTELLE FOR THE DEPARTMENT OF ENERGY UNDER U.S. |
|--|---|---|-------------------------------------|--|
| FRACTION ± 1/64 XX DECIMALS ± 0.01 XXX DECIMALS ± 0.005 | CHECKER DUSTIN C. OTTINGER DESIGN REVIEW DANIEL CACACE | | | NMENT CONTRACT DE-AC05-000R22725 OAK RIDGE, TENNESSEE |
| ANGLES ± 0°-30' BREAK SHARP EDGES 1/64 MAX. FINISH = 125 RMS | ENGINEERING LEAD RAHUL SHARMA | | ePIC - Electron-Proton/Ion Collider | |
| | LEAD SCIENTIST FRIEDERIKE BOCK SAFTEY REVIEW | | EPIC | |
| ALL DIMENSIONS ARE IN INCHES | MICHAEL GAFFNEY | | 8M STRONGBACK ASSEMBLY | |
| WHENEVER A MANUFACTURER'S NAME OR CATALOG NUMBER IS INDICATED. AN APPROVED EQUAL MAY BE SUBSTITUTED | | | 8M STRONGBACK | |
| | OLEG EYSER SPECIAL REVIEW | | EPC-FWD-HCL-FIX-PRT-101 | |
| THIS DRAWING CREATED IN ACCORDANCE WITH ASME Y14.5 - 2018 | | | | SHEET OF NEXT ASSEMBLY: REV |
| 2 | | ROVALS DATE 16.23 LBS 1:4 D 2 <th2< th=""> <th2< th=""> <th2< th=""></th2<></th2<></th2<> | | 1 1 EPC-FWD-HCL-FIX-ASM-100 1 |