

| AMS-TRD-Drawing-Numbers | | |
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| Item No. | Object / Content | Drawing Number |
| 2.0 General | | |
| 1 | M-Structure | 041103-TRD-CAD.ppt Figure 1001+1006 |
| 2 | Upper Brackets | 041103-TRD-CAD.ppt Figure 1003 |
| 3 | Corner Brackets | 041103-TRD-CAD.ppt Figure 1004+1005 |
| 4 | Diagonal Struts | 041103-TRD-CAD.ppt Figure 1006+1007 |
| 5 | Corner Bracketts | ams02-1697c |
| 6 | Overview TRD Cut X-Z | ams1865t |
| 7 | Exploded View TRD Support Structure | ams1912i-3d-02-ex |
| 2.1 Octagon Support Structure | | |
| 8 | Octagon Wall 1 | ams02-03-1001 |
| 9 | Octagon Wall 2 | ams02-03-1002 |
| 10 | Octagon Wall 3 | ams02-03-1003 |
| 11 | Octagon Wall 4 | ams02-03-1004 |
| 12 | Octagon Wall 5 | ams02-03-1005 |
| 13 | Octagon Wall 6 | ams02-03-1006 |
| 14 | Octagon Wall 7 | ams02-03-1007 |
| 15 | Octagon Wall 8 | ams02-03-1008 |
| 16 | Octagon Wall 7, Valve Box Distribution | ams02-1715e |
| 17 | Octagon Wall 7, Valve Box Distribution Detail | ams02-1715ex |
| 18 | Octagon Wall 3, Valve Box Distribution | ams02-1716f |
| 19 | Octagon Wall 1, Patch Panel Thermal Sensors | ams02-1750a |
| 20 | Octagon Wall 5, Patch Panel Thermal Sensors | ams02-1751a |
| 21 | Octagon Wall 1,3,5,7/ Valve Box Distribution + Patch Panel Thermal Sensors | ams02-1752b |

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| 22 | Closing Tubes Octagon Walls | ams02-1753a |
| 23 | Closing Profile Octagon Walls | ams02-1754a |
| 24 | Octagon Wall 7, Valve Box Insert Positions | ams02-1764a |
| 25 | Octagon Wall 3, Valve Box Insert Positions | ams02-1765a |
| 26 | Octagon Insert for lower cover | ams1983b |
| 27 | Octagon Insert for upper cover | ams1984b |
| 28 | Octagon TRD Support Shell | ams1912p |
| 29 | Module Slit Arrangement | ams1912i-3d-02 |
| 2.2 Reinforcement Ring | | |
| 30 | Lower Reinforcement Ring TRD Octagon | ams1995f |
| 31 | Upper Reinforcement Ring TRD Octagon | ams1996f |
| 2.3 Bulkheads | | |
| 32 | Trench Definition for all bulkheads | ams02-1624c |
| 33 | X-Bulkhead Octagon Shell | ams02-1645d |
| 34 | Lower Y-Bulkhead Octagon Shell | ams02-1646d |
| 35 | Upper Y-Bulkhead Octagon Shell | ams02-1647d |
| 36 | Bulkhead Support + Bulkhead Fixation | ams-1989c |
| 37 | Center Nut Bulkhead Interconnector | ams02-04-1024 |
| 38 | Support Bulkhead Interconnector | ams02-04-1025 |
| 39 | Bulkhead Interconnector | ams02-04-1026 |

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| 2.4 Grid | | |
| 40 | 45°-Grid | ams02-1634d |
| 41 | 90°-Grid | ams1997e |
| 42 | Grid Foot Lower 45deg side | ams02-04-1001 |
| 43 | Grid Foot Upper 45deg side | ams02-04-1002 |
| 2.5 Lower Cover | | |
| 44 | TRD Support Lower Cover | ams1956l |
| 45 | Honeycomb Lower TRD Cover | ams1957c |
| 46 | Skin Lower TRD Cover | ams1958d |
| 47 | Insert Lower TRD Cover | ams1988b |
| 2.6 Upper Cover Design 1 | | |
| 48 | TRD Support Upper Cover | ams1942f |
| 49 | Insert Upper TRD Cover | ams1949e |
| 50 | Reinforcement Upper TRD Cover | ams1953b |
| 51 | Skin Upper TRD Cover | ams1952d |
| 52 | Honeycomb Upper TRD Cover | ams1955e |
| 53 | Connection Plate Upper TRD Cover | ams1950b |
| 54 | C-Connector Upper TRD Cover | ams1951c |
| 2.7 M-Structure | | |
| 2.8 Zenith | | |

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| 2.9 Chamber Modules | | |
| 55 | TRD Chamber for AMS-02 | ams02-1755c |
| 56 | TRD Chamber Cross Section | ams02-1636b |
| 57 | Insulation Tube TRD Chamber | ams02-1677c |
| 58 | Crimp Connector 16 GS TRD Chamber | ams02-1712c |
| 59 | Crimp Connector 1 GS TRD Chamber | ams02-1713c |
| 60 | Crimp Connector 2-15 GS TRD Chamber | ams02-1714b |
| 61 | Crimp Connector 1 RS TRD Chamber | ams02-1756b |
| 62 | Crimp Connector 2-15 RS TRD Chamber | ams1845f |
| 63 | UTE Board | ams02-1958c |
| 64 | Jumper Cable | ams02-1997c |
| 65 | Ground Connector TRD Chamber | ams1842d |
| 66 | Seal Stopper TRD Chamber | ams1843b |
| 67 | Centricator TRD Chamber | ams1844d |
| 68 | Endpiece GS TRD Chamber | ams1938f |
| 69 | Endpiece RS TRD Chamber | ams1939f |
| 70 | Longitudinal Beam | ams1883c |
| 71 | Cross Beam | ams1948b |
| 72 | Guide Pin | ams1972c |
| 73 | Bulkhead Cross Beam | ams1973b |

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| 2.a Chamber Fixation | | |
| 74 | Inserts Gas Group 90° | ams02-1610f Gas90° |
| 75 | Inserts Gas Group 90° Gas Connection + Chamber Support | ams02-1763 |
| 76 | Splicing + Tightening UFE,UHVD + Chamber Support | ams02-1759b |
| 77 | Fixation Plate Readout Group UFE 90 | ams1961d Trap. Blech 90° |
| 78 | Insert Type UFE 45° | ams02-1613d UFE 45° |
| 79 | Insert Type HV 45° | ams02-1741a HV 45° |
| 80 | Insert Type UFE 90° | ams02-1610f UFE 90° |
| 81 | Insert Type UHVD 90° | ams02-1610f HV 90° |
| 82 | Insert Type Gas 45° | ams02-1747 Gas 45° |
| 83 | Chamber Fixation at Bulkhead Plates | ams1967a |
| 84 | 45deg Chamber Support Type L Inside | ams02-04-1020 |
| 85 | 45deg Chamber Support Type R Inside | ams02-04-1021 |
| 86 | 45deg Chamber Support Type L Outside | ams02-04-1022 |
| 87 | 45deg Chamber Support Type R Outside | ams02-04-1023 |
| 2.b Readout Group | | |
| 88 | Insert Type UFE 45° | ams02-1613d |
| 89 | Adaptor UFE-Boards 45° side | ams02-1721a |
| 90 | Insert Type HV 45° | ams02-1741a |
| 91 | Inserts Gas Group 90° | ams02-1610f Gas90° |
| 92 | Special Washer Readout Group UFE 90° | ams1964c |

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| 2.c Gas System | | |
| 93 | Gas Connector 1/2 Gas Group | ams02-1707f |
| 94 | Gas Connector Support Gas Group 90° | ams02-1720c |
| 95 | Interconnection Tube Gas Group 90° | ams02-1722c |
| 96 | Interconnection Tube 45° Side L | ams02-1735a |
| 97 | Gas Tube Support 45° Side L | ams02-1737b |
| 98 | Insert Typ Gas für Octagonmodell 45° Seite | ams02-1747 |
| 99 | 1/2 Gas Group 90° Octagon Wall 1,3,5,7 | ams02-1762 |
| 100 | Splicing + Tightening Gas Connector + Chamber Support | ams02-1763 |
| 101 | Gas Tube Support 45° Side R | ams02-1034a |
| 102 | Interconnection Tube 45° Side R | ams02-1035 |