

# Clearance Publish

Clearance=50mm



## Clearance Computation Specification

### Products Selected

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB__0002	STANDARD PAIR OF FEET A1 (C1) - DETAILED MODEL FOR STANDARDS	12.61	Not inspected
	ATCVHB__0003	STANDARD PAIR OF FEET A2 (C2) - DETAILED MODEL FOR STANDARDS	11.01	Not inspected
	ATCVHB__0004	STANDARD PAIR OF FEET A3 (C3) - DETAILED MODEL FOR STANDARDS	16.91	Not inspected
	ATCVHB__0005	EXTREMITY PAIR OF FEET A4 (C4) - DETAILED MODEL FOR STANDARDS	9.29	Not inspected
	ATCVHB__0002 M	STANDARD PAIR OF FEET A1 (C1) - DETAILED MODEL FOR STANDARDS	15.64	Not inspected
	ATCVHB__0003 M	STANDARD PAIR OF FEET A2 (C2) - DETAILED MODEL FOR STANDARDS	14.04	Not inspected
	ATCVHB__0004 M	STANDARD PAIR OF FEET A3 (C3) - DETAILED MODEL FOR STANDARDS	16.94	Not inspected
	ATCVHB__0005 M	EXTREMITY PAIR OF FEET A4 (C4) - DETAILED MODEL FOR STANDARDS	9.28	Not inspected
	ATCNJ__0003	JD SHIELDING (SIDE C) - WITH TGC MUON CHAMBERS .	23.01	Not inspected

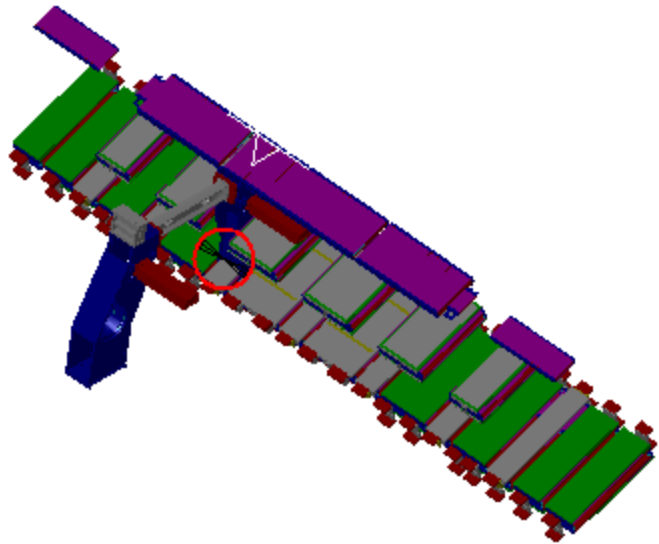
## Clearance Computation Specification

### Products Selected

<b>AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12</b>	ATCNLB__0002 LB TILE CALORIMETER - SIMPLIFIED 3-D OBJECT	49.31	Not inspected
	ATCNLB__0003 BARREL CALORIMETER - TRACTION SYSTEM INSTAL.CONFIG.	47.4	Not inspected
	ATCNLB__0004 BARREL CALORIMETER - TRACTION SYSTEM RUN CONFIG	47.4	Not inspected
	ATCNLE__0001 END-CAP CALORIMETER - SUPPORT SADDLE - SIDE C	49.32	Not inspected
	ATCNLE__0002 LE END-CAP CALORIMETER - SIDE A	49.31	Not inspected
	ATCNLE__0003 END-CAP CALORIMETER - TRACK SYSTEM - SIDE C	47.4	Not inspected
	AT602165MQ MCB Muon Barrel Chambers Detailed Sec 13	42.43	Not inspected
	ATCNMC__0018 SMALL WHEEL (SIDE C) - SIMPLIFIED 3-D OBJECT	25.15	Not inspected
	ATCNMSM__0015 BT HEATER BOXES AND CABLES - FOR FOOT REGION	36.26	Not inspected
	ATCNMSM__0016 BT HEATER CABLE DISTRIBUTION - FOR FOOT REGION	48.68	Not inspected

**Computation Result:**

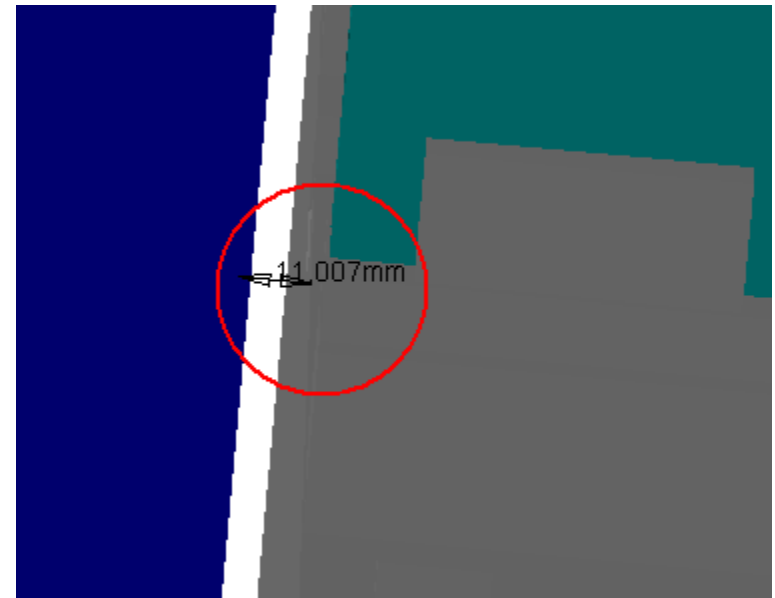
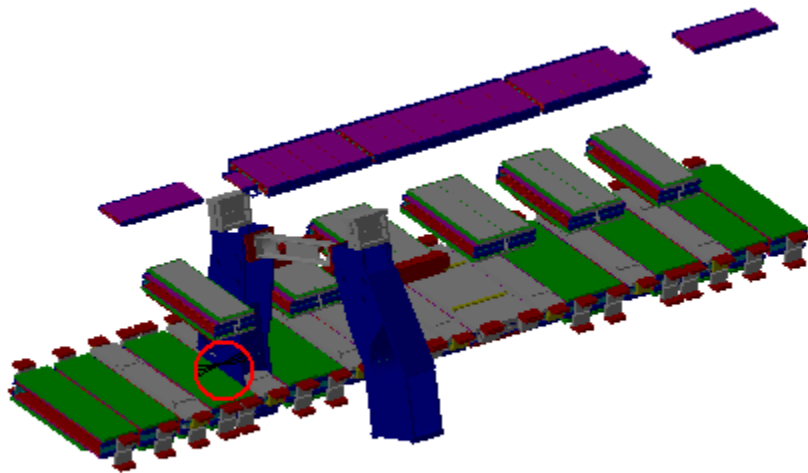
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB__0002 STANDARD PAIR OF FEET A1 (C1) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=12.6\text{mm}$ $\Delta Z=0.16\text{mm}$	12.61mm	Not inspected
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Side A

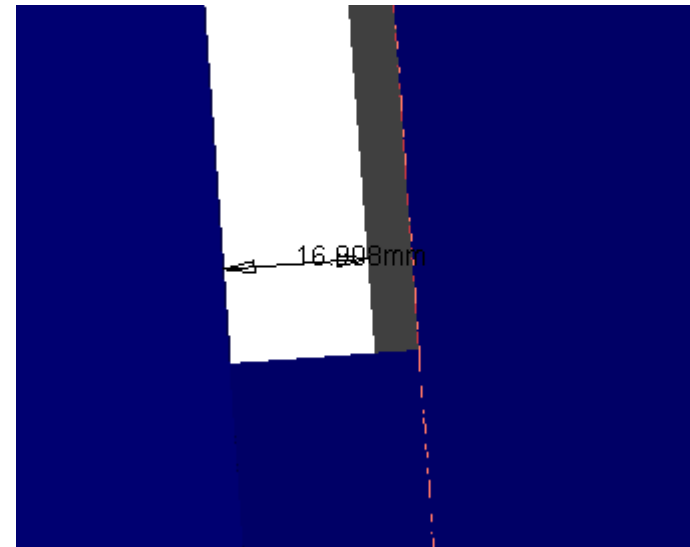
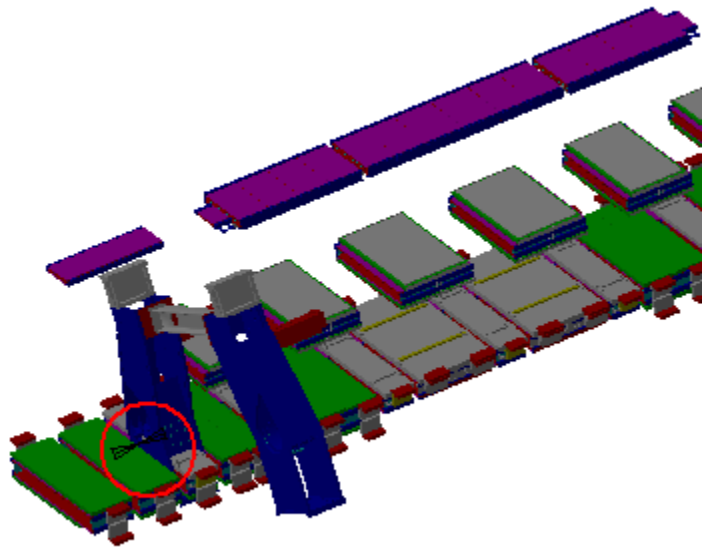
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB__0003 STANDARD PAIR OF FEET A2 (C2) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=11.01\text{mm}$ $\Delta Z=0.14\text{mm}$	11.01mm	Not inspected
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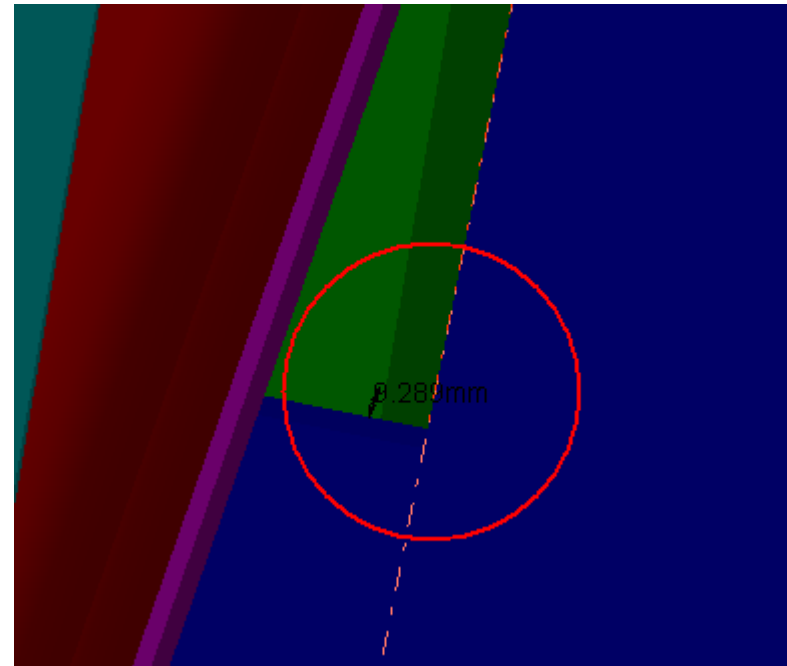
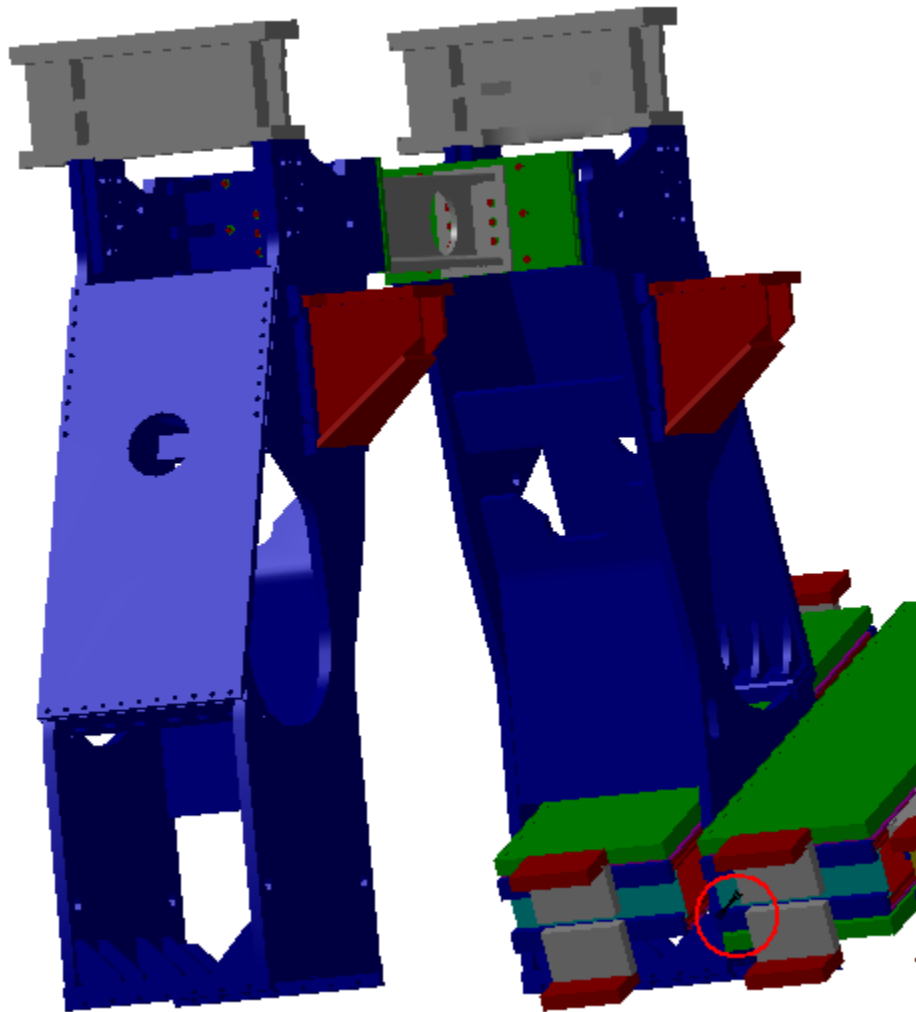
Side A  
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB__0004 STANDARD PAIR OF FEET A3 (C3) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=-16.91\text{mm}$ $\Delta Z=0.21\text{mm}$	16.91mm	Not inspected
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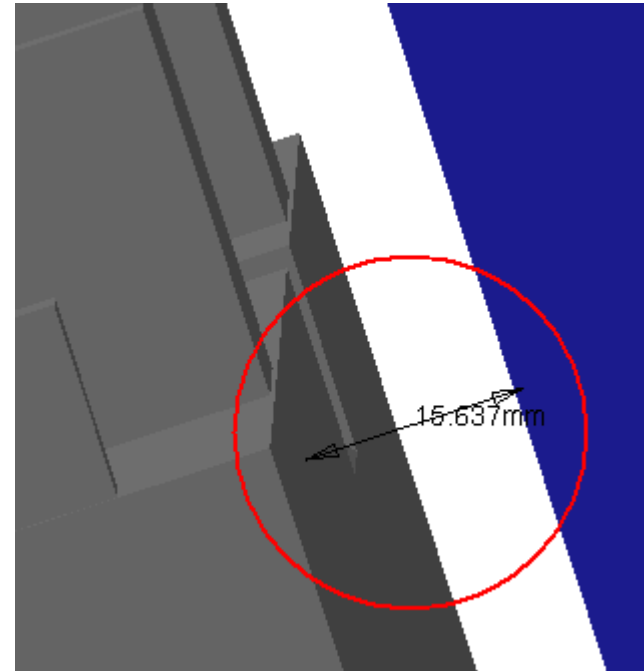
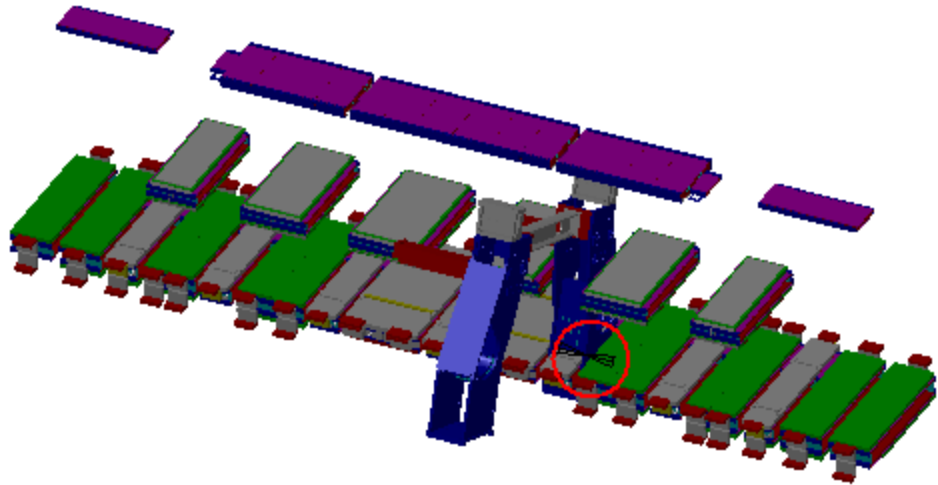
Side A  
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB_0005 EXTREMITY PAIR OF FEET A4 (C4) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=8.85\text{mm}$ $\Delta Y=0.04\text{mm}$ $\Delta Z=-3.55\text{mm}$	9.29mm	Not inspected
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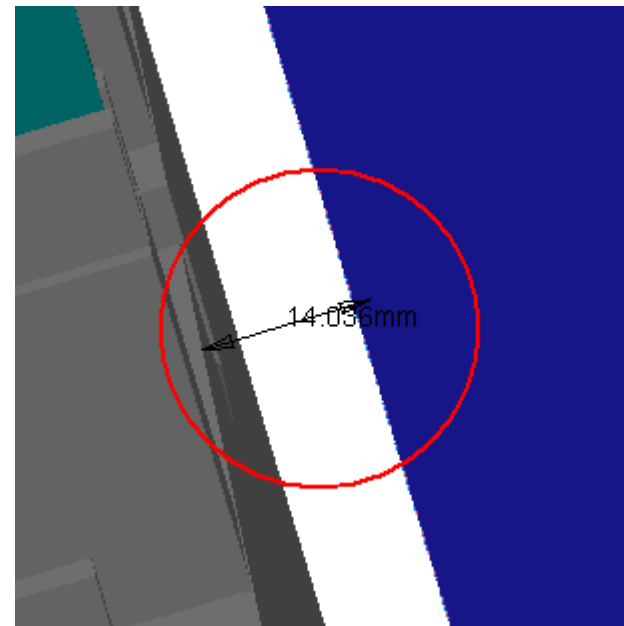
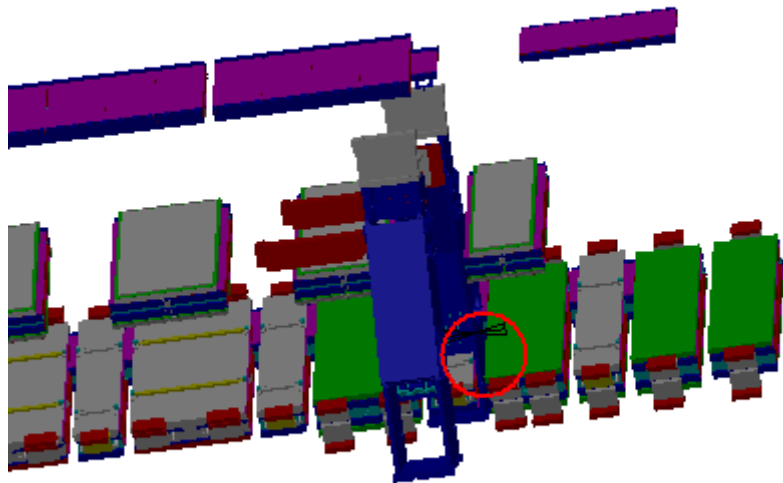
Side A  
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB_0002 M STANDARD PAIR OF FEET A1 (C1) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=15.64\text{mm}$ $\Delta Z=0.19\text{mm}$	15.64mm	Not inspected
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Side C  
Sector 12

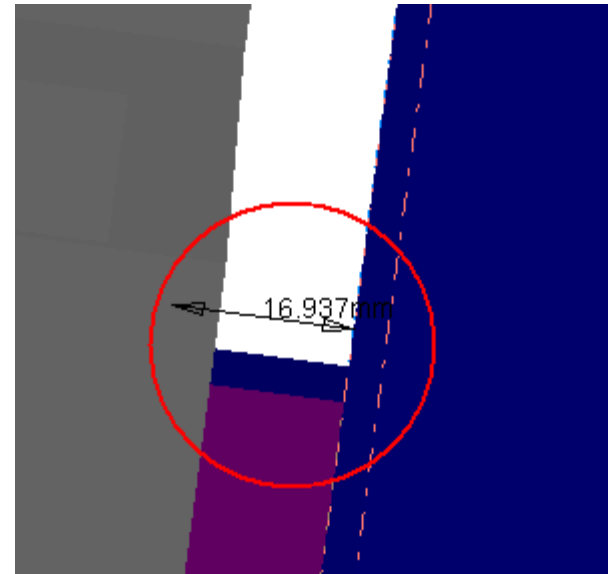
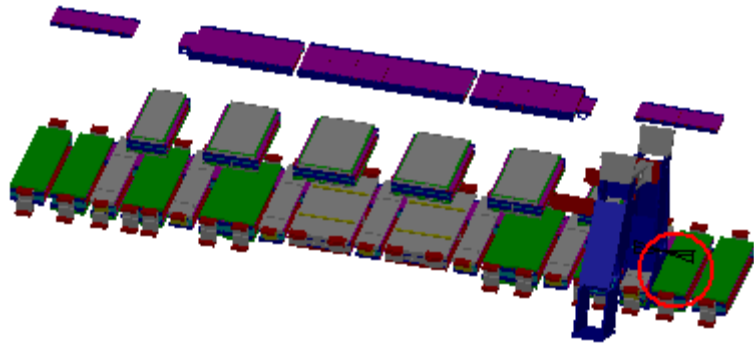
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB_0003 M STANDARD PAIR OF FEET A2 (C2) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=14.04\text{mm}$ $\Delta Z=0.17\text{mm}$	14.04mm	Not inspected
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Side C  
Sector 12



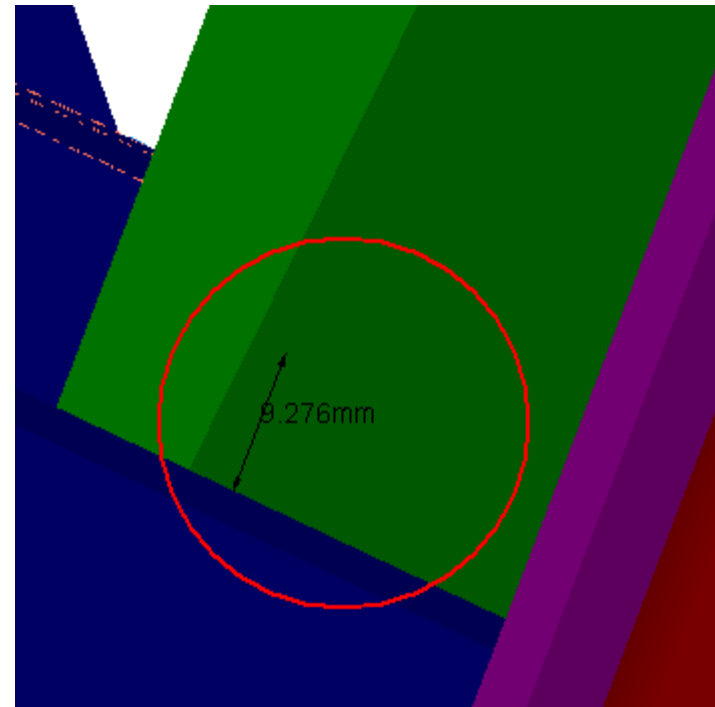
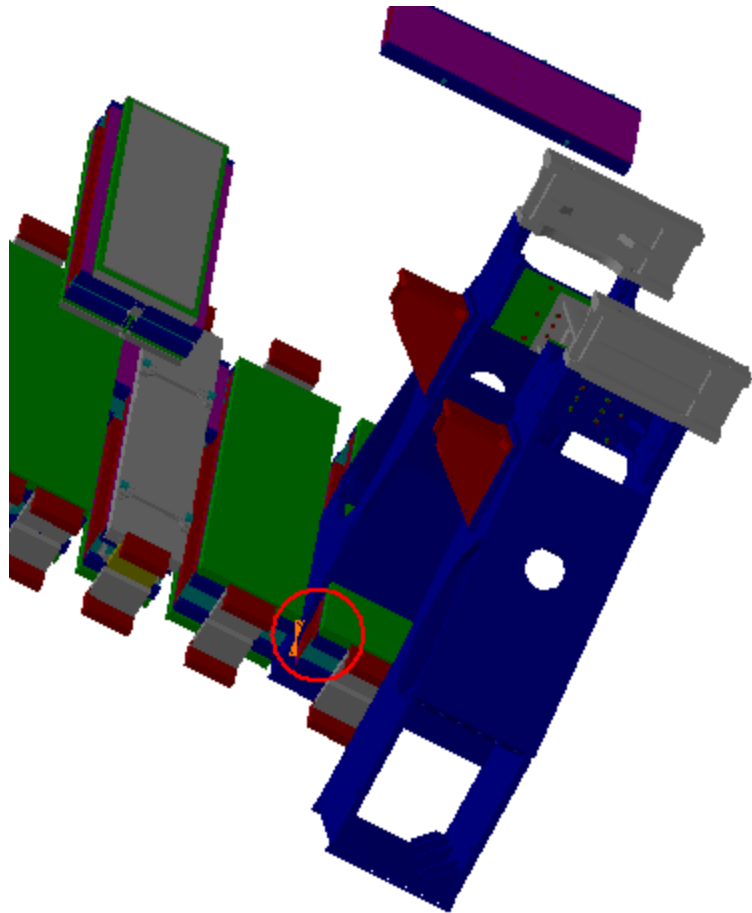
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB__0004 M STANDARD PAIR OF FEET A3 (C3) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=16.94\text{mm}$ $\Delta Z=0.21\text{mm}$	16.94mm	Not inspected
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Side C

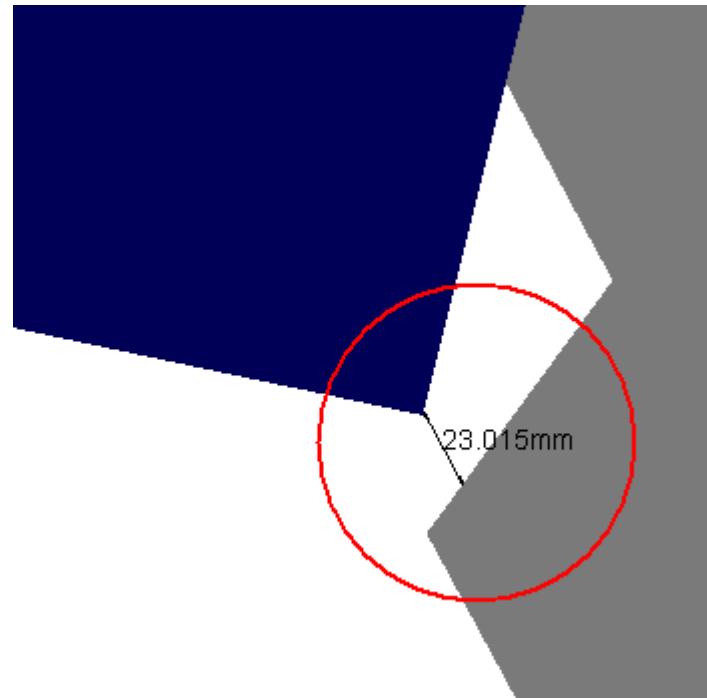
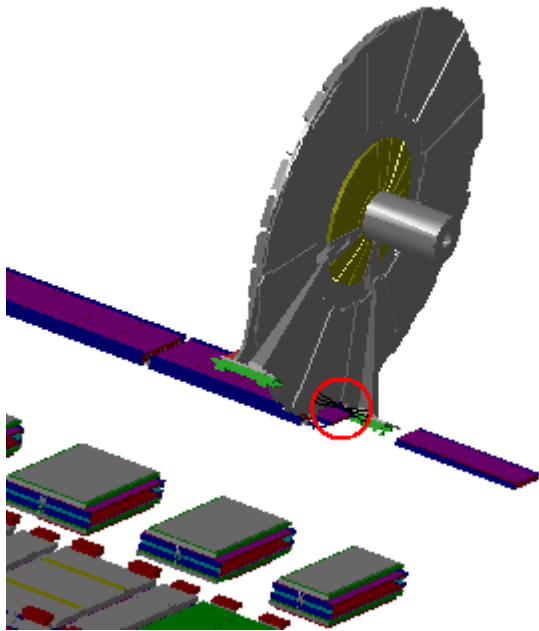
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCVHB_0005 M EXTREMITY PAIR OF FEET A4 (C4) - DETAILED MODEL FOR STANDARDS	Vector coordinate $\Delta X=8.57\text{mm}$ $\Delta Y=0.04\text{mm}$ $\Delta Z=-3.55\text{mm}$	9.28mm	Not inspected
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Side C  
Sector 12

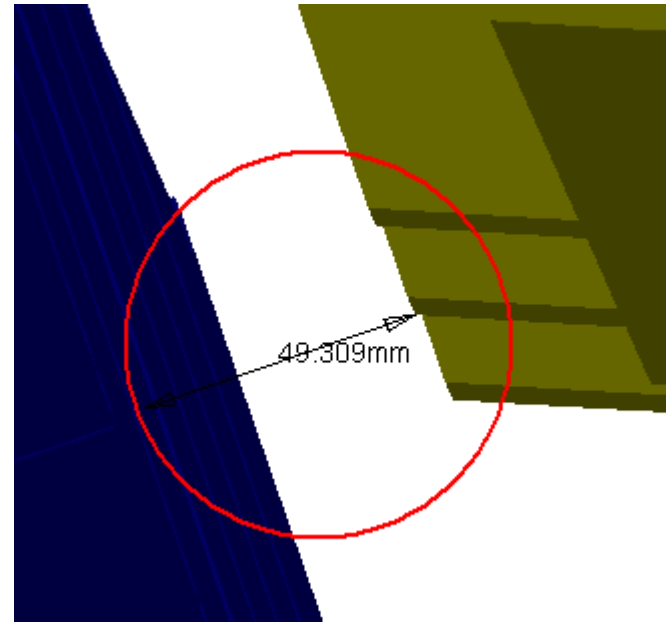
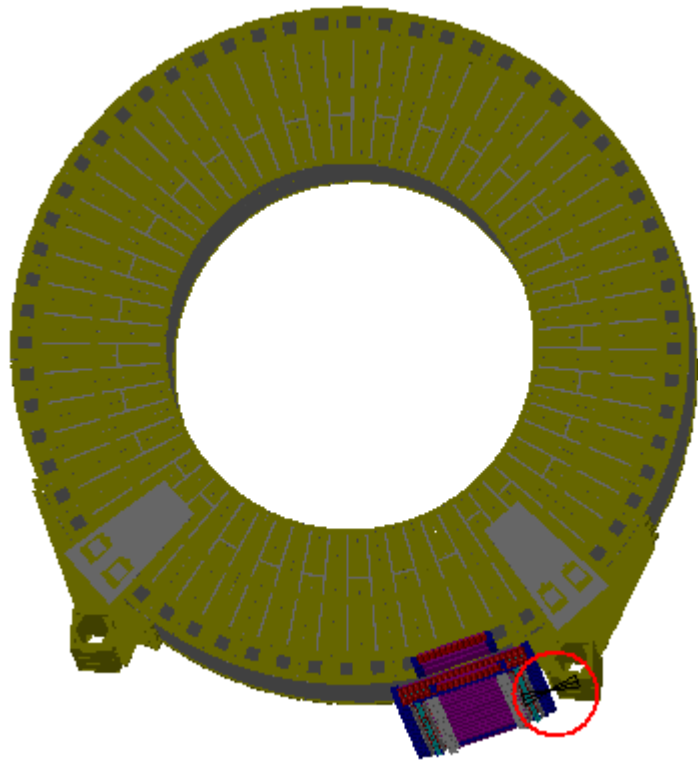
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNJ__0003 JD SHIELDING (SIDE C) - WITH TGC MUON CHAMBERS .	Vector coordinate $\Delta X=-0.0019531\text{mm}$ $\Delta Y=23.01\text{mm}$ $\Delta Z=0.29\text{mm}$	23.01mm	Not inspected
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Side C

Sector 12

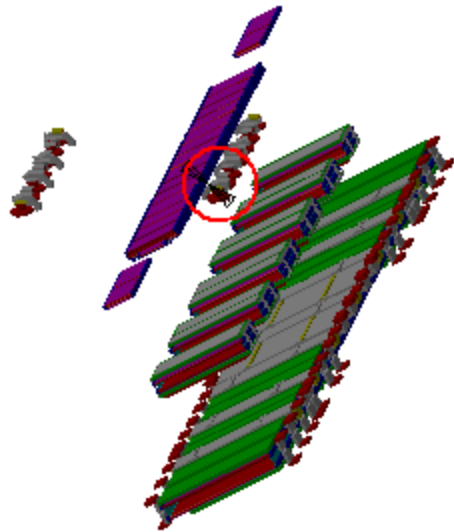
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNLB_0002 LB TILE CALORIMETER - SIMPLIFIED 3-D OBJECT	Vector coordinate $\Delta X=-45.56\text{mm}$ $\Delta Y=0.23\text{mm}$ $\Delta Z=18.87\text{mm}$	49.31mm	Not inspected
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Side A

Sector 12

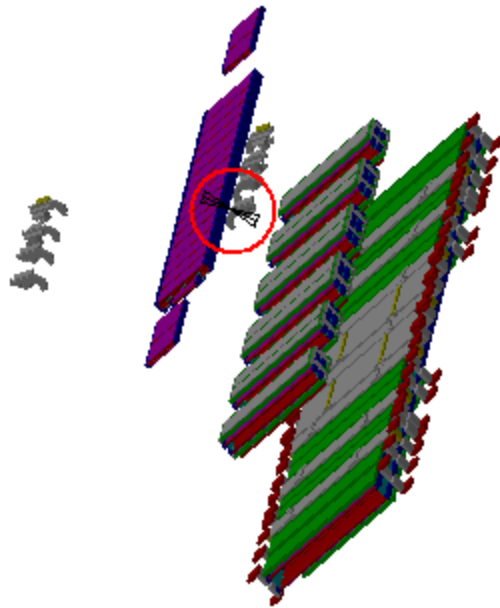
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNLB_0003 BARREL CALORIMETER - TRACTION SYSTEM INSTAL.CONFIG.	Vector coordinate $\Delta X=-33.52\text{mm}$ $\Delta Y=0.41\text{mm}$ $\Delta Z=33.52\text{mm}$	47.4mm	Not inspected
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Side C

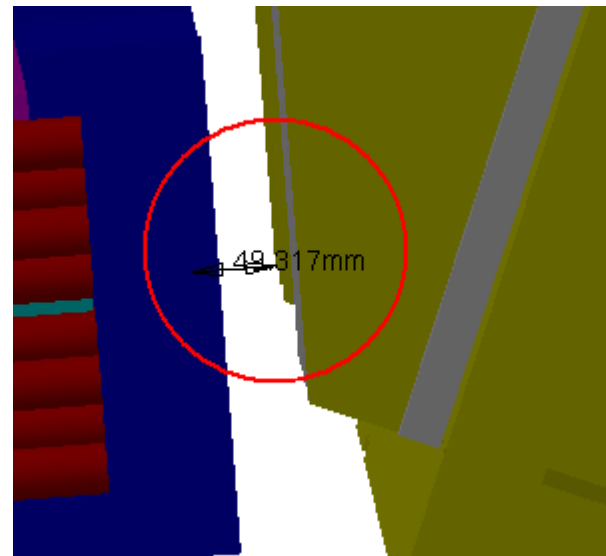
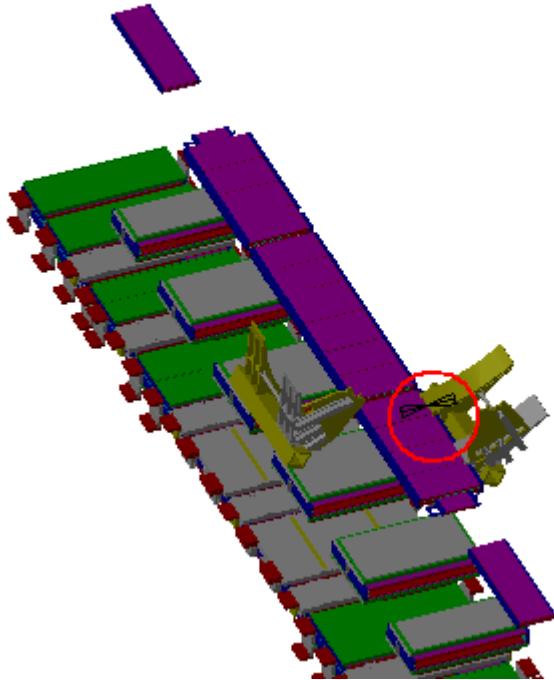
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNLB_0004 BARREL CALORIMETER - TRACTION SYSTEM RUN CONFIG	Vector coordinate $\Delta X = -33.52\text{mm}$ $\Delta Y = 0.41\text{mm}$ $\Delta Z = 33.52\text{mm}$	47.4mm	Not inspected
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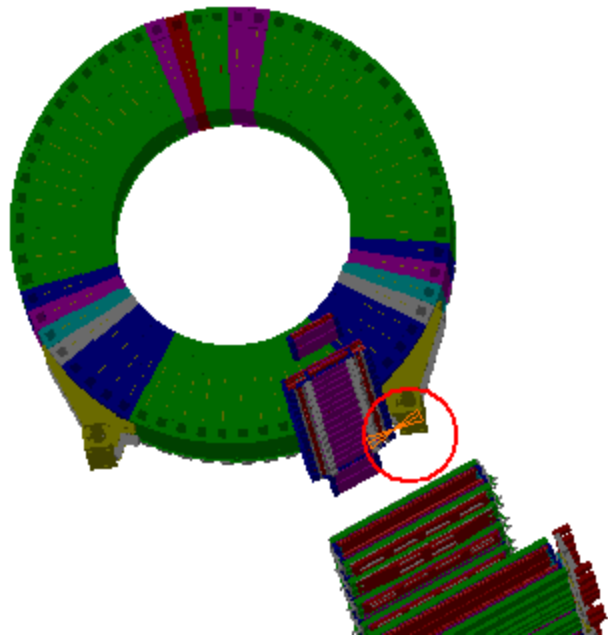
Side C  
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNLE__0001 END-CAP CALORIMETER - SUPPORT SADDLE - SIDE C	Vector coordinate $\Delta X=-45.56\text{mm}$ $\Delta Y=-0.23\text{mm}$ $\Delta Z=18.87\text{mm}$	49.32mm	Not inspected
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Side C  
Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNLE__0002 LE END-CAP CALORIMETER - SIDE A	Vector coordinate $\Delta X=-45.55\text{mm}$ $\Delta Y=-0.23\text{mm}$ $\Delta Z=18.87\text{mm}$	49.31mm	Not inspected
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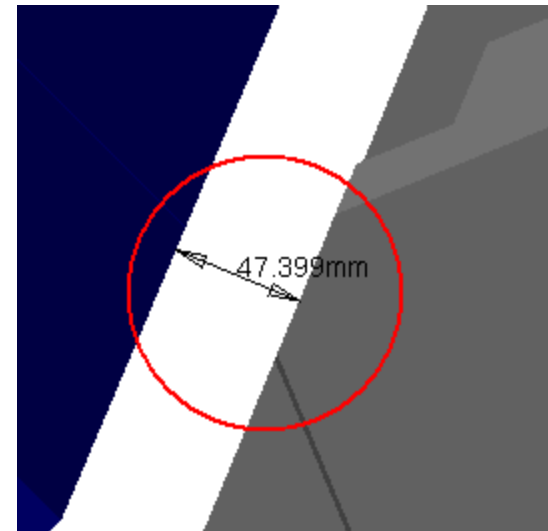
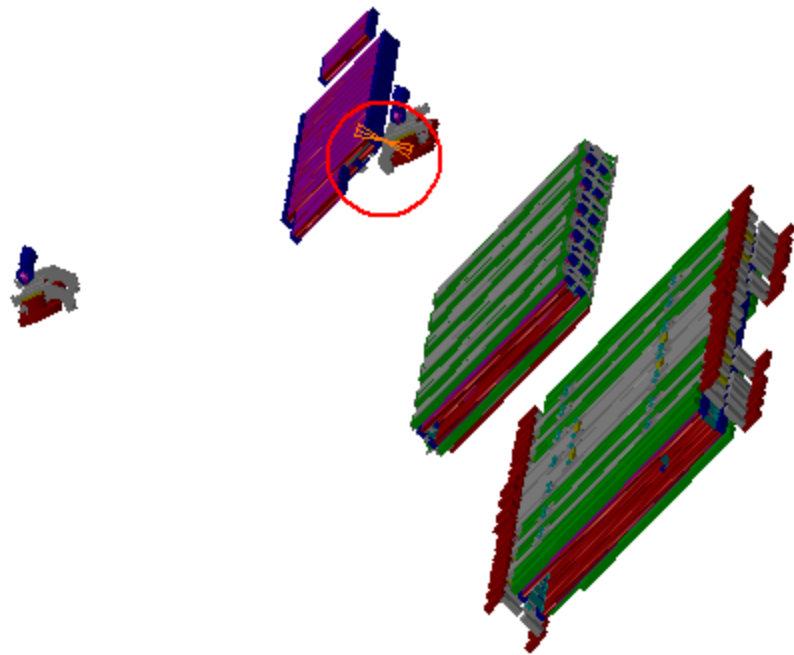


Side A

Sector 12

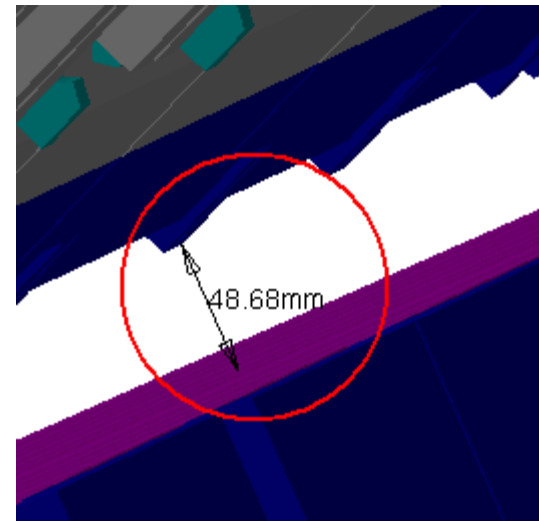
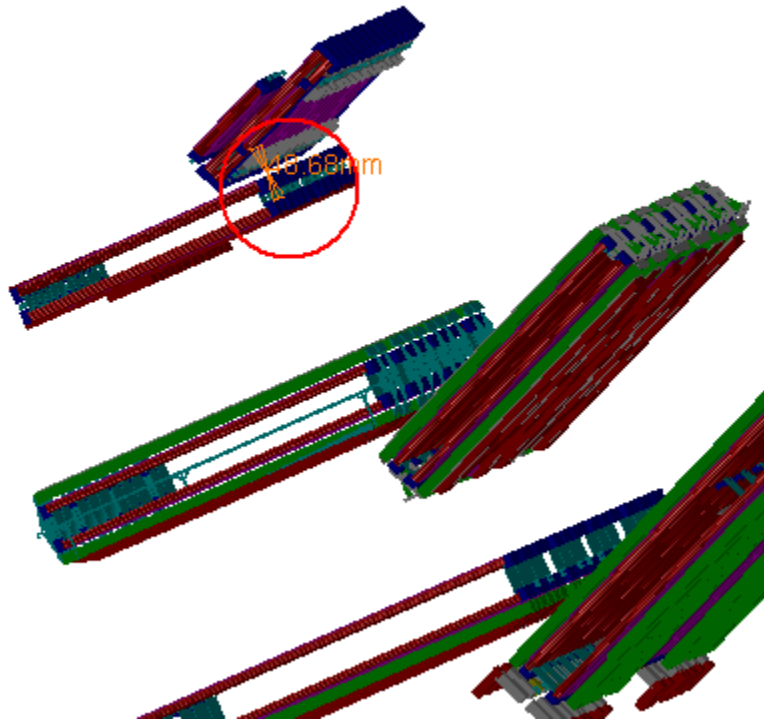


AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNLE__0003 END-CAP CALORIMETER - TRACK SYSTEM - SIDE C	Vector coordinate $\Delta X=-33.52\text{mm}$ $\Delta Y=0.41\text{mm}$ $\Delta Z=-33.51\text{mm}$	47.4mm	Not inspected
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Side C  
Sector 12

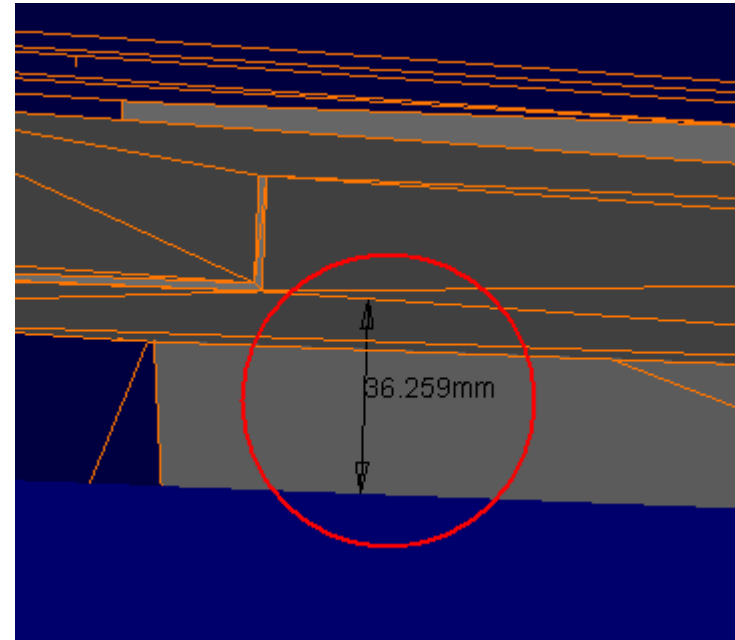
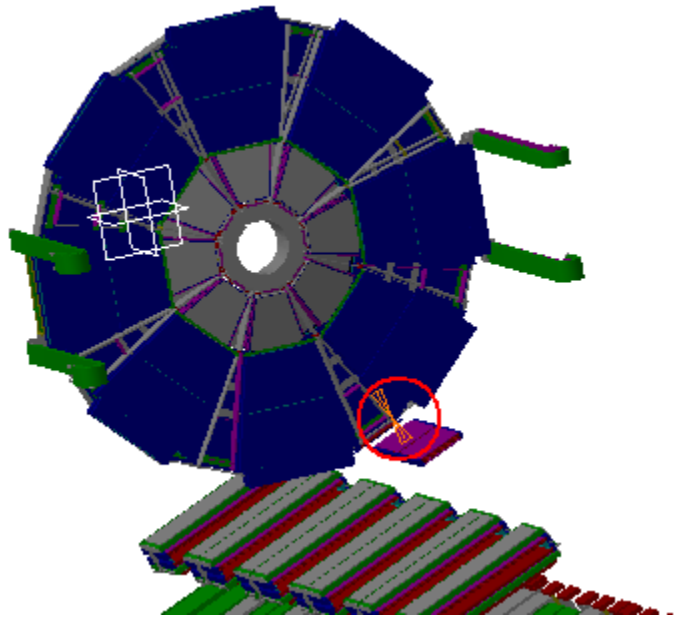
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	AT602165MQ MCB Muon Barrel Chambers Detailed Sec 13	Vector coordinate $\Delta X=0\text{mm}$ $\Delta Y=0.6\text{mm}$ $\Delta Z=-48.68\text{mm}$	48.68mm	Not inspected
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Side A

Sector 12

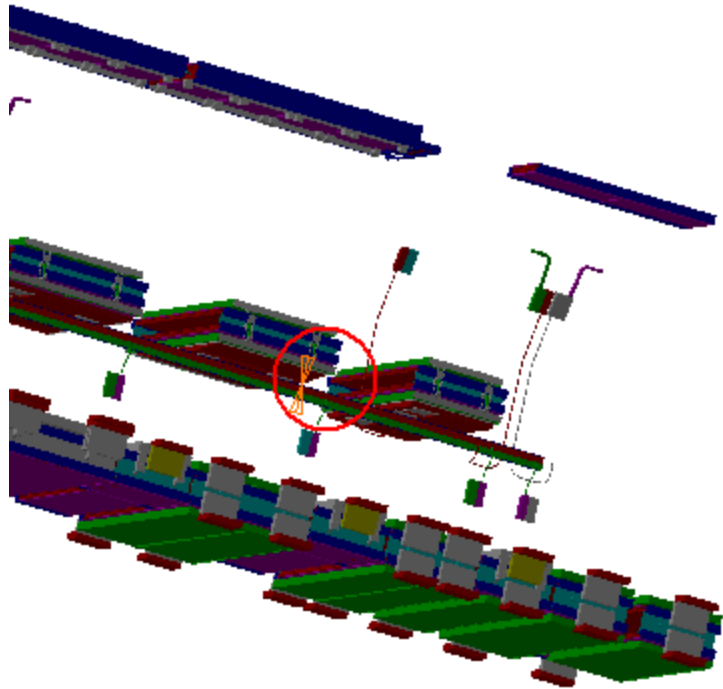
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNMC_0018 SMALL WHEEL (SIDE C) - SIMPLIFIED 3-D OBJECT	Vector coordinate $\Delta X=13.88\text{mm}$ $\Delta Y=-0.41\text{mm}$ $\Delta Z=-33.5\text{mm}$	36.26mm	Not inspected
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Side C

Sector 12

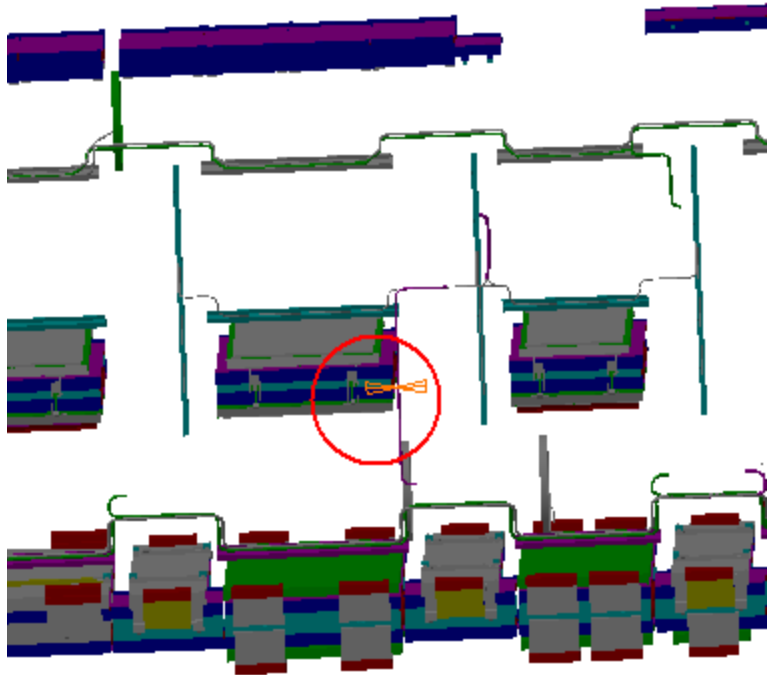
AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNSM__0015 BT HEATER BOXES AND CABLES - FOR FOOT REGION	Vector coordinate $\Delta X=-16.24\text{mm}$ $\Delta Y=0.48\text{mm}$ $\Delta Z=-39.2\text{mm}$	42.43mm	Not inspected
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Side A

Sector 12

AT602164MQ MCB Muon Barrel Chambers Detailed Sec 12	ATCNSM__0016 BT HEATER CABLE DISTRIBUTION - FOR FOOT REGION	Vector coordinate $\Delta X = -0.06\text{mm}$ $\Delta Y = -25.15\text{mm}$ $\Delta Z = -0.45\text{mm}$	25.15mm	Not inspected
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Side A

Sector 12