

Revised with Wim Emden

20/06/2005

## Clearance Publish

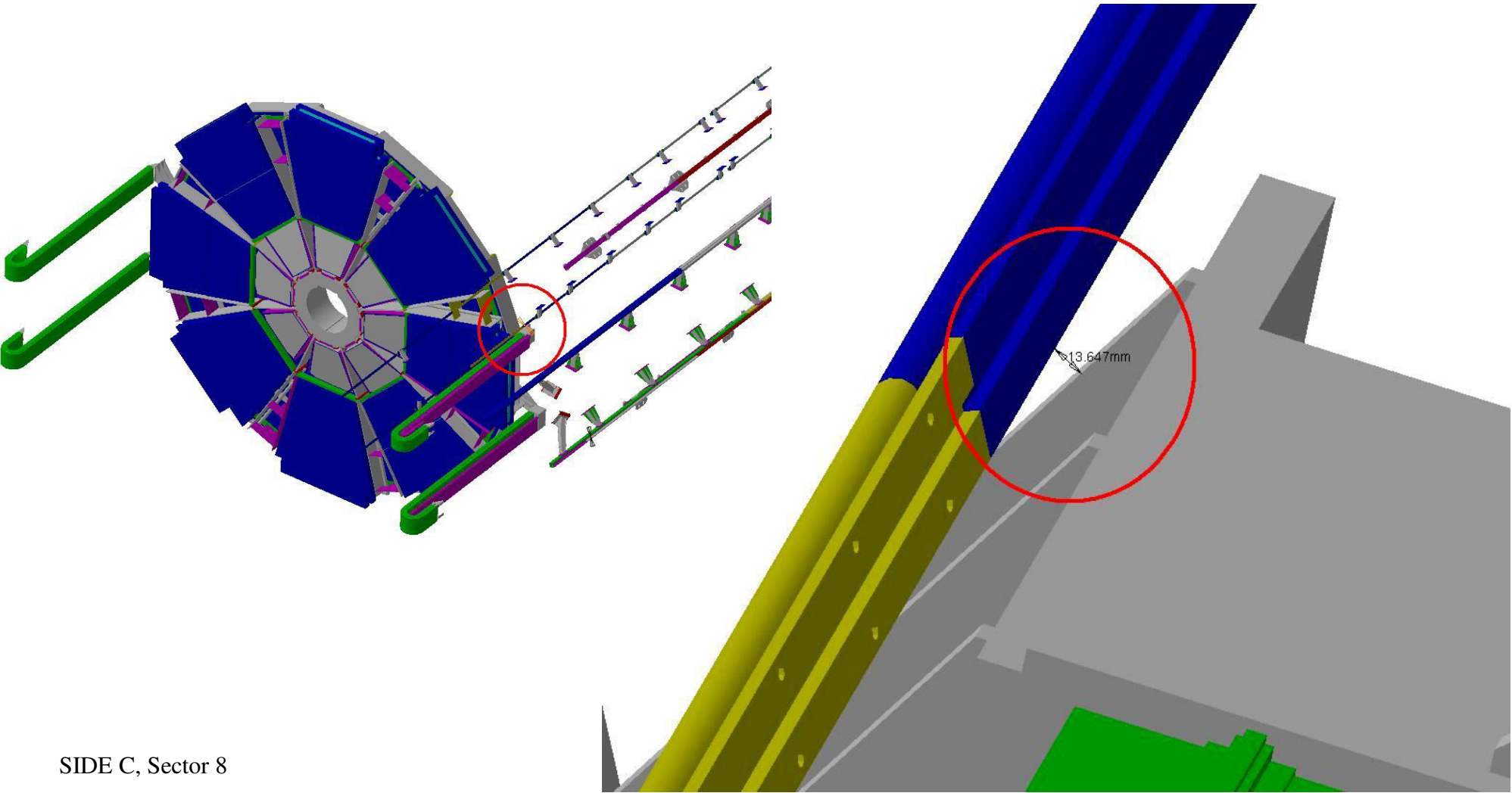
Clearance = 50mm



### Clearance Computation Specification

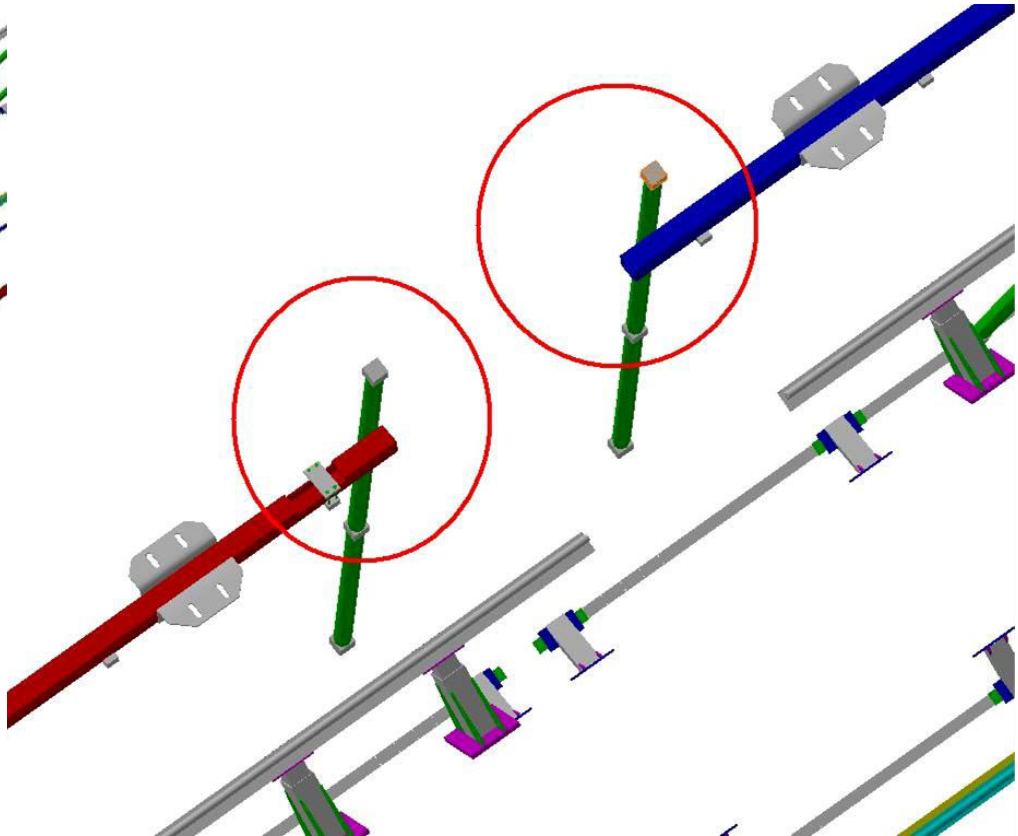
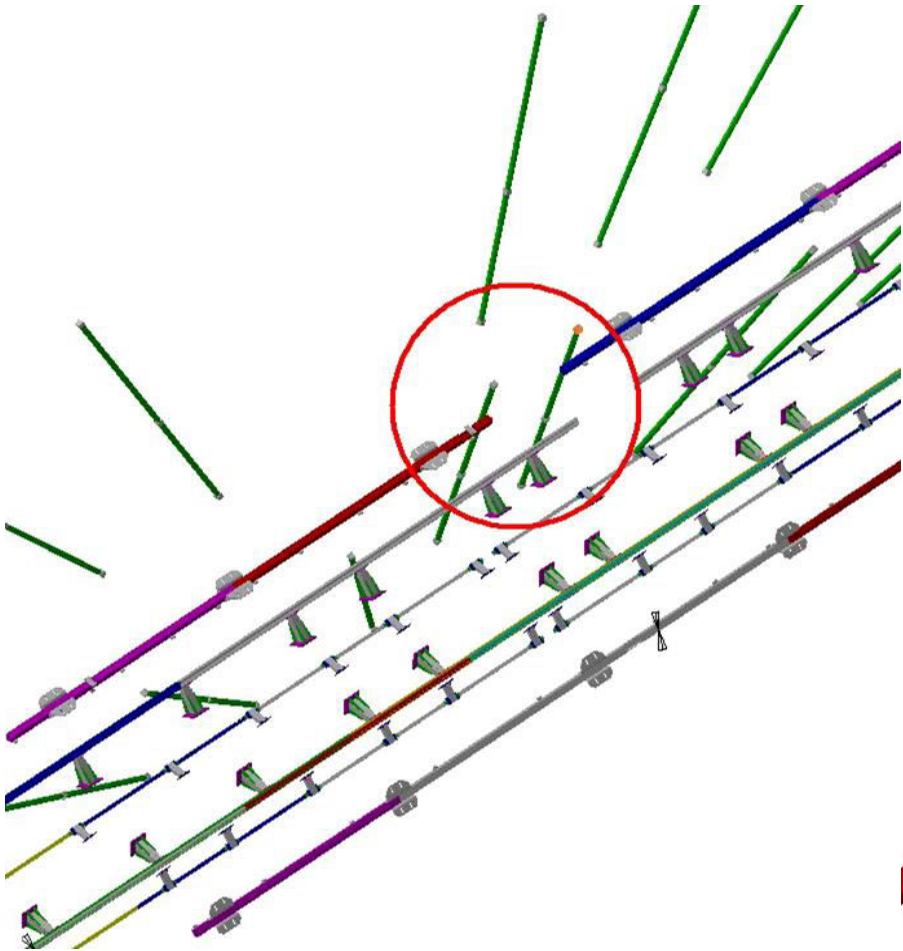
Products Selected		Value	Status
<b>AT612362MQ –</b> SECTOR 08, Muon Support	<b>NMC_0018</b> - SMALL WHEEL (SIDE C) - SIMPLIFIED 3-D OBJECT	14mm	Relevant
	<b>NMA_0004</b> - BARREL PROJECTIVE ALIGNMENT - SECTOR 7.	Contact	Relevant
	<b>NMA_0009</b> - END CAP ALIGNMENT SIDE "A". - SIMPLE 3-D MODEL	5.6mm	Relevant
	<b>NMA_0010</b> - END CAP ALIGNMENT SIDE "C" - SIMPLE 3-D MODEL	5.7mm	Relevant
	<b>NMA_0005</b> - BARREL PROJECTIVE ALIGNMENT. - SECTOR 9.	1.14mm	Relevant
	<b>AT602160MQ</b> – Muon Chambers. Detailed model in sector 9	33.2 mm	Not Inspected
	<b>AT602157MQ</b> – Muon Chambers. Detailed model in sector 7	21.2 mm	Not Inspected

AT612362MQ –SECTOR 8, Muon Support	NMC_0018 - SMALL WHEEL (SIDE C) - SIMPLIFIED 3-D OBJECT	Clearance	14 mm			Relevant
			$\Delta X \approx -12$	$\Delta Y \approx 0.08$	$\Delta Z \approx -7$	



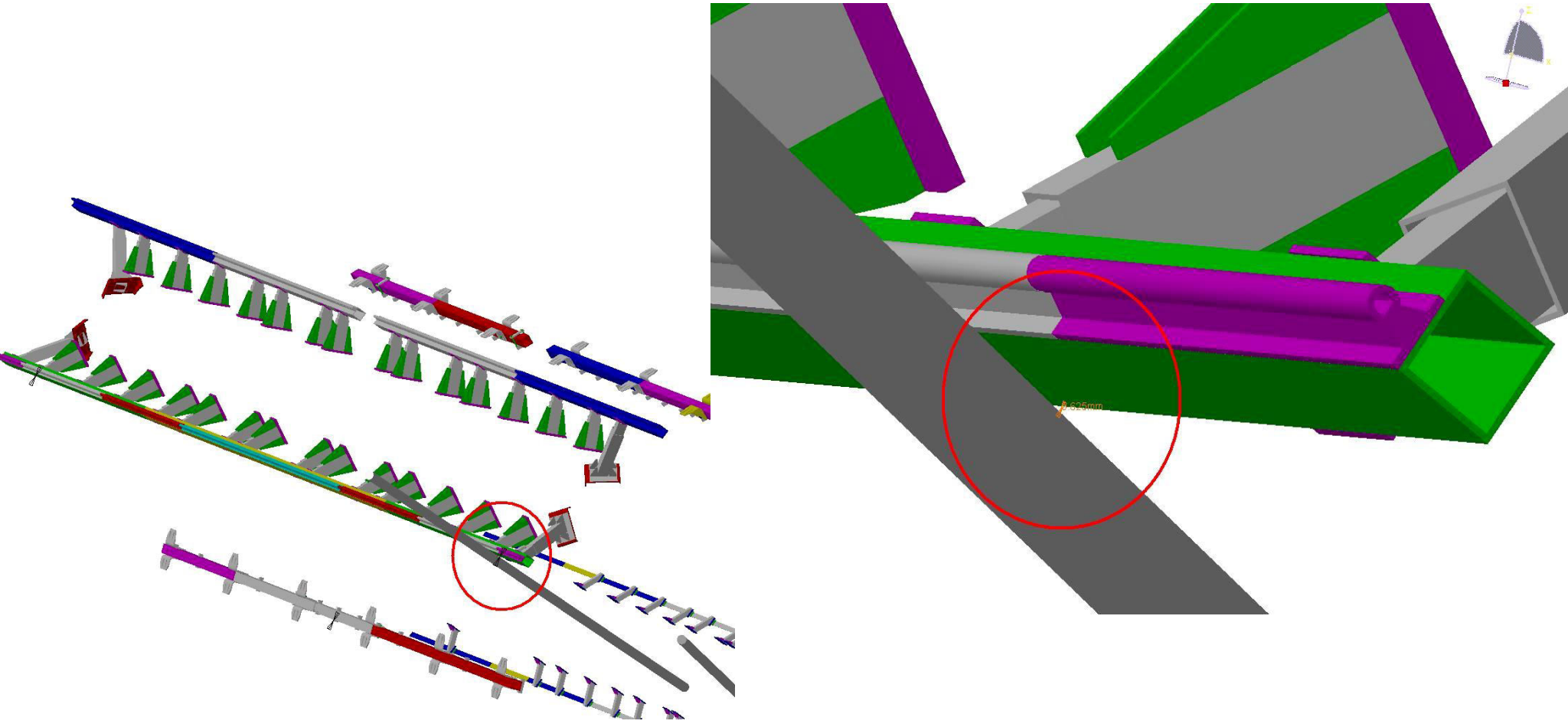
SIDE C, Sector 8

AT612362MQ –SECTOR 8, Muon Support	NMA_0004 - BARREL PROJECTIVE ALIGNMENT - SECTOR 7.	CONTACT				Relevant



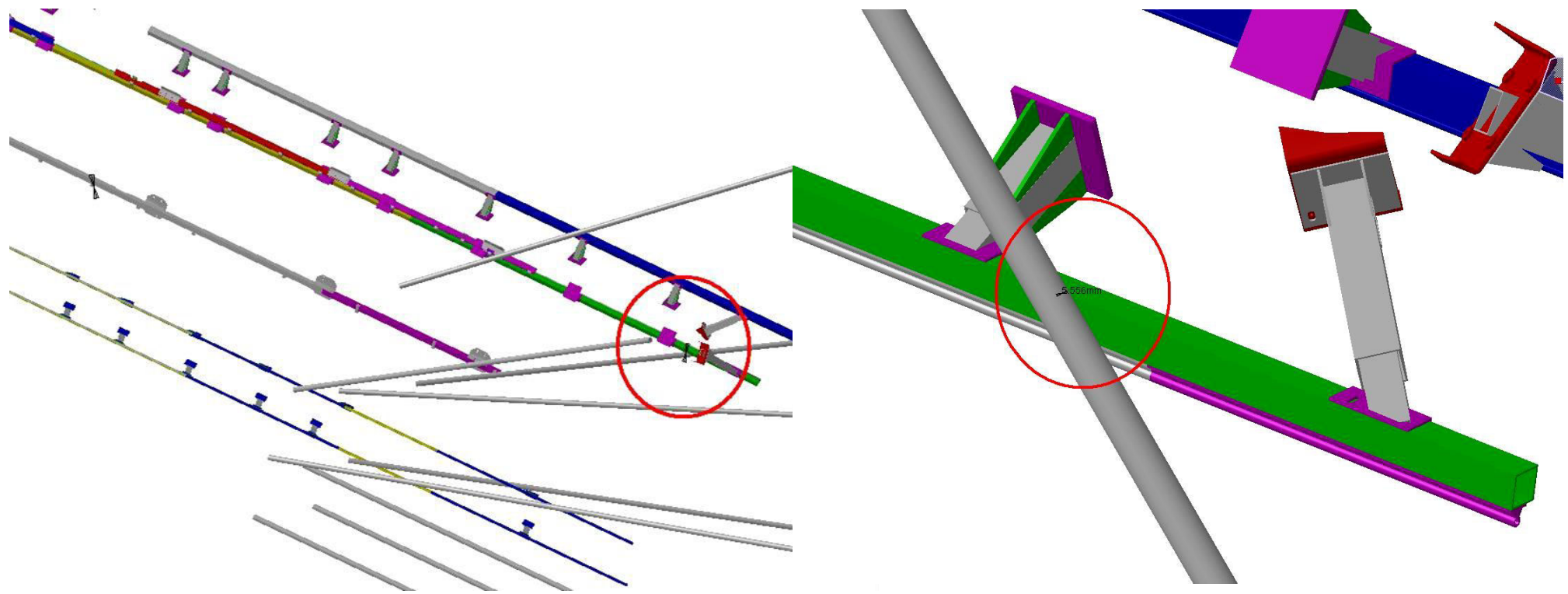
SIDE C, Sector 8

AT612362MQ –SECTOR 8, Muon Support	NMA_0009 - END CAP ALIGNMENT SIDE "A". - SIMPLE 3-D MODEL	Clearance	5.6 mm			Relevant
			$\Delta X \approx 1.56$	$\Delta Y \approx -0.07$	$\Delta Z \approx 5.4$	



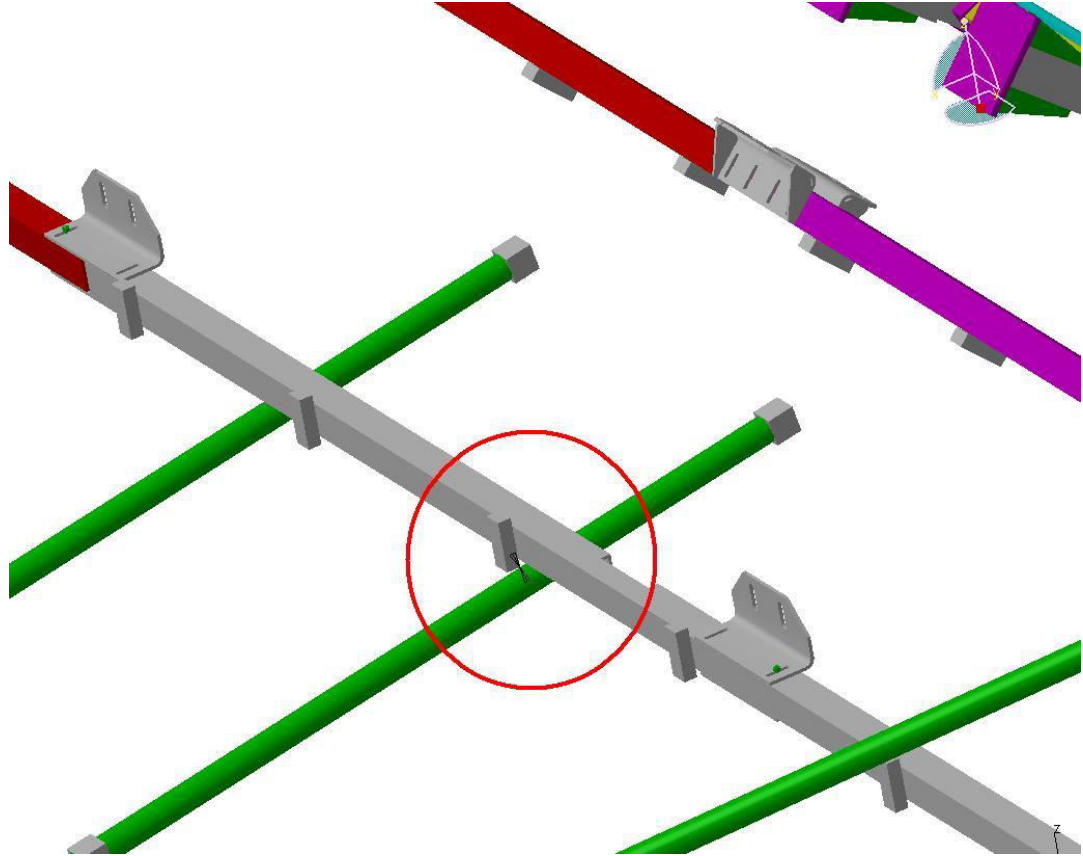
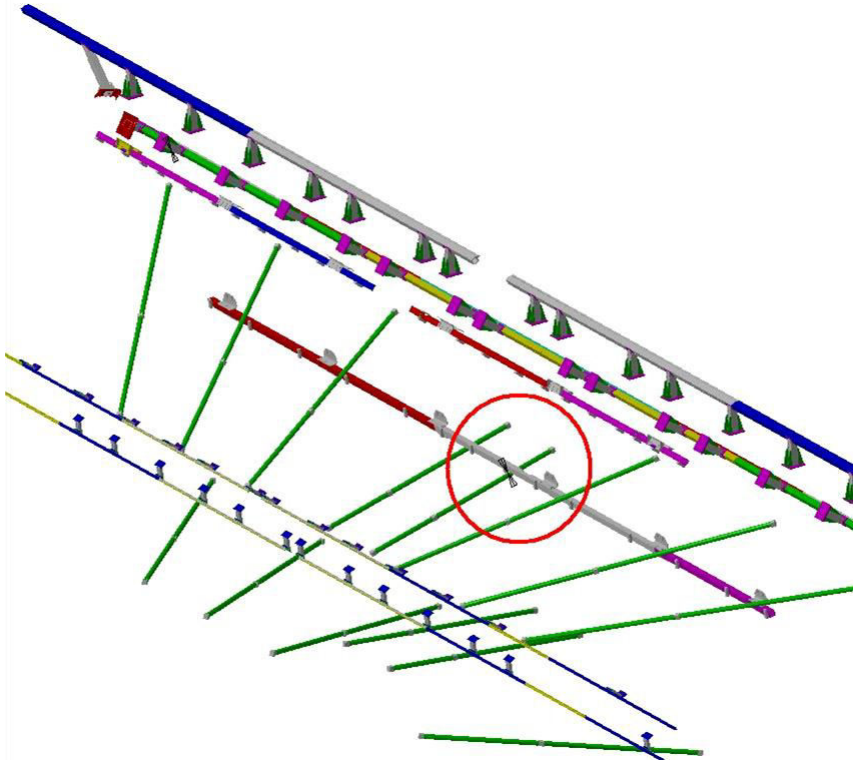
SIDE A, Sector 8

AT612362MQ –SECTOR 8, Muon Support	NMA_0010 - END CAP ALIGNMENT SIDE "C" - SIMPLE 3-D MODEL	Clearance	5.7 mm			Relevant
			$\Delta X \approx 1.54$	$\Delta Y \approx -0.07$	$\Delta Z \approx 5.34$	



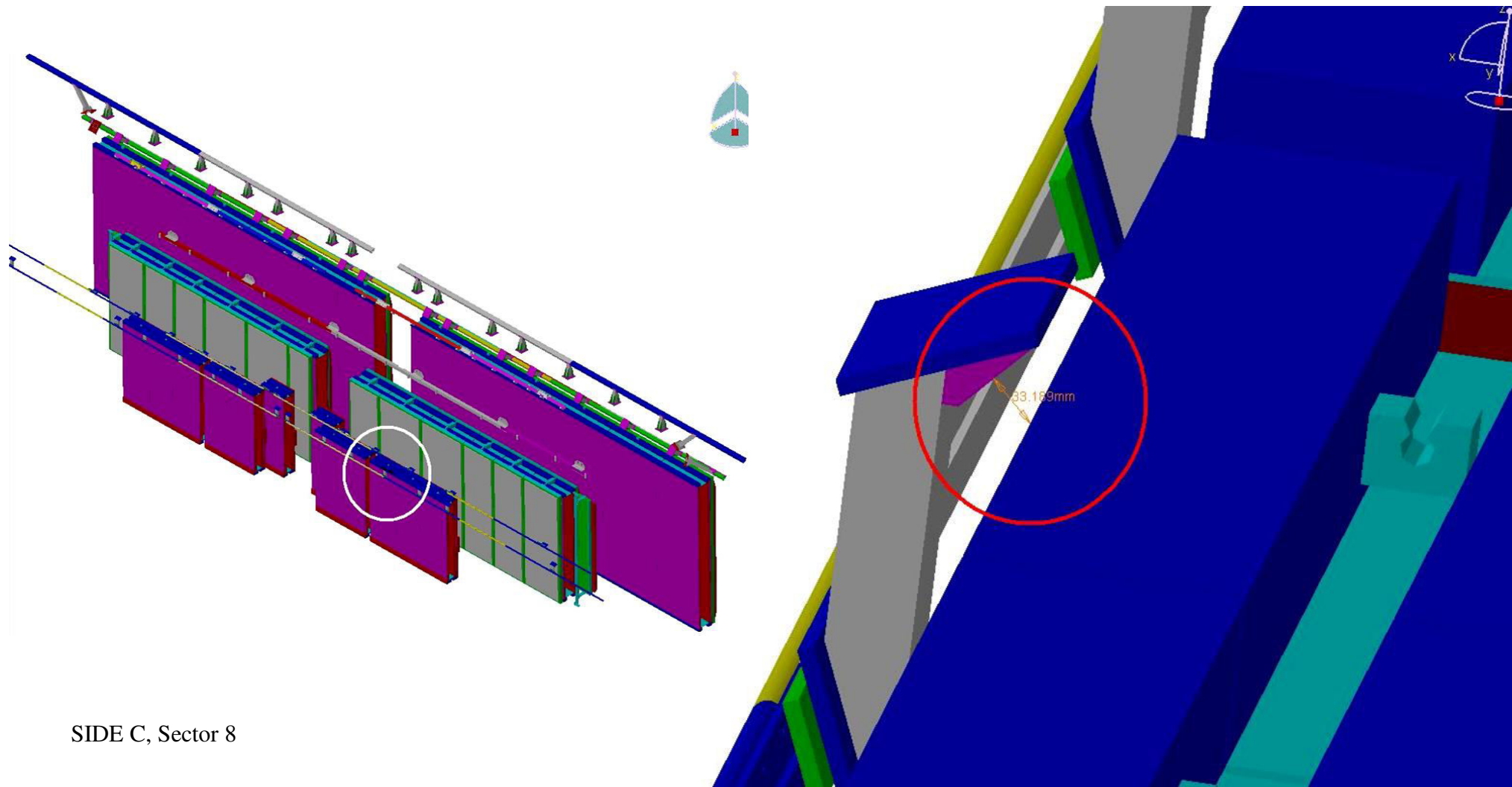
SIDE C, Sector 8

AT612362MQ –SECTOR 8, Muon Support	NMA_0005 - BARREL PROJECTIVE ALIGNMENT. - SECTOR 9.	Clearance	1.14 mm			Relevant
			$\Delta X \approx 0.18$	$\Delta Y \approx -0.45$	$\Delta Z \approx 1.04$	



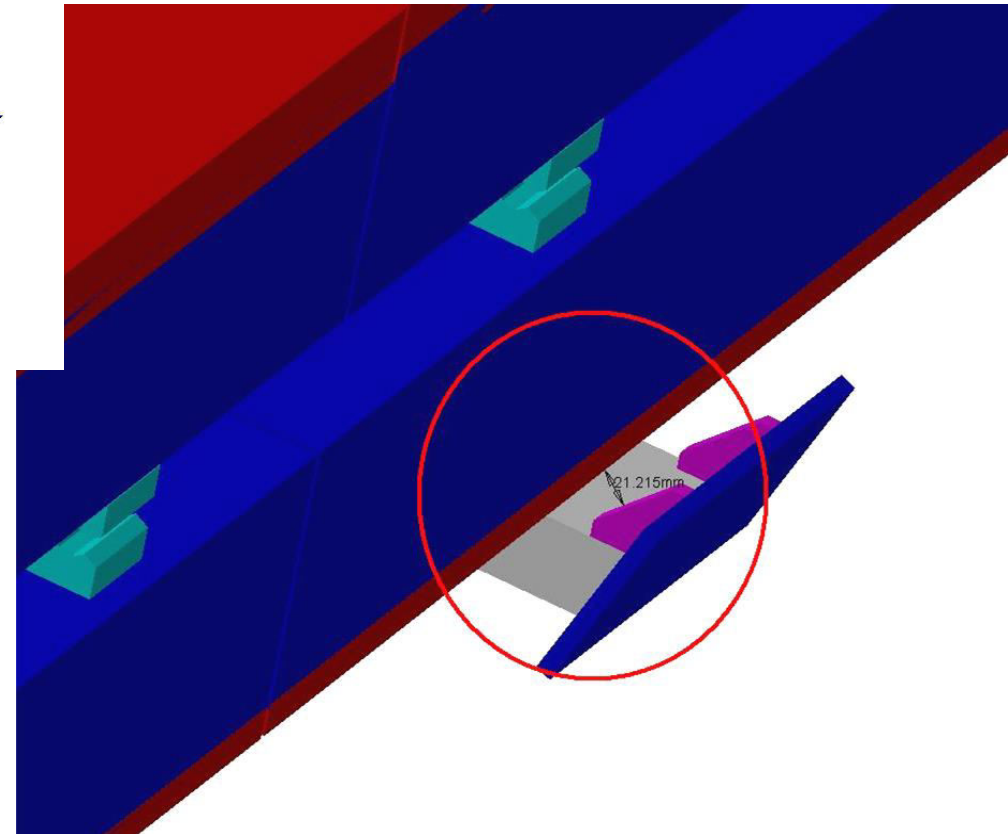
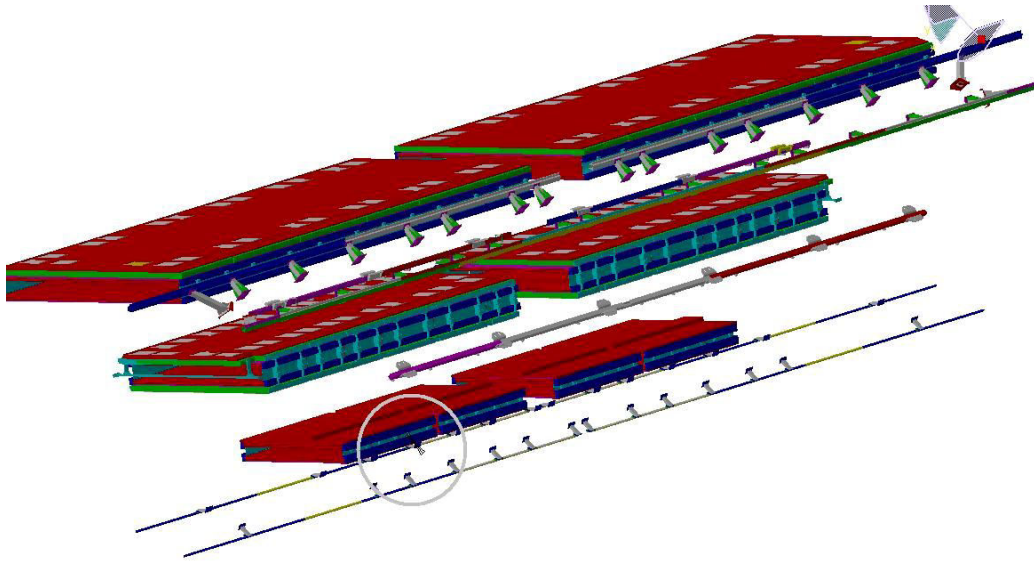
SIDE C, Sector 8

AT612362MQ –SECTOR 8, Muon Support	AT602160MQ – Muon Chambers. Detailed model in sector 9	Clearance	33.2 mm			Not Inspected
			$\Delta X \approx -24.1$	$\Delta Y \approx 0.28$	$\Delta Z \approx -22.84$	



SIDE C, Sector 8

AT612362MQ –SECTOR 8, Muon Support	AT602157MQ – Muon Chambers. Detailed model in sector 7	Clearance	21.2 mm			Not Inspected
			$\Delta X \approx -0.56$	$\Delta Y \approx -0.26$	$\Delta Z \approx 21.2$	



SIDE C, Sector 8