Created by   Vladimer Shekriladze
03 / 05 / 2005

Clearance Publish

REVISED
10/05/2005

Clearance=50mm

| Clearance Computation Specification		
Products Selected		
NSB__0001 SOLENOID CHIMNEY FOR BARREL LAR - SIMPLIFIED 3D OBJECT	NSB__0004 LAR BARREL ELECTRONIC CRATES - SIMPLIFIED 3-D OBJECT	14.46	Not Relevant
	NSB__0006 LAR VACUUM FT LINES SIDE A - SIMPLIFIED 3D OBJECTS	6.48	Not Relevant
	NSB__0009 BARREL LAR TOP FT VACUUM LINES - SIMPLIFIED 3D OBJECT	31.63	Not Relevant
	NSB__0013 BARREL CALORIMETER SERVICES - IN SECTOR 5 ON SIDE A	4.65	Not Relevant
	NSB__0014 BARREL CALORIMETER SERVICES - IN SECTOR 5 ON SIDE C	4.65	Relevant

Designer: Peter Kulka

WIT – <u>W</u>arning for the <u>I</u>ntegration <u>T</u>eam

| Products Selected			
NSB__0002 BARREL CALORIMETER CRYOGENIC LINES - SIMPLIFIED 3D OBJECTS	NSB__0004 LAR BARREL ELECTRONIC CRATES - SIMPLIFIED 3-D OBJECT NSB__0005 LAR VACUUM FT LINES SIDE C - SIMPLIFIED 3D OBJECTS NSB__0006 LAR VACUUM FT LINES SIDE A - SIMPLIFIED 3D OBJECTS NSB__0009 BARREL LAR TOP FT VACUUM LINES - SIMPLIFIED 3D OBJECT NSB__0012 BARREL CALORIMETER SERVICES - IN SECTOR 3(7) ON SIDE C(A) NSB__0014 BARREL CALORIMETER SERVICES - IN SECTOR 5 ON SIDE C	32.54 6.31 6.3 38.06 4.9 21.94	Not Relevant Not Relevant Not Relevant Solved Relevant Relevant
NSB__0003 BARREL CALORIMETER LAR DRAIN LINE - SIMPLIFIED 3D OBJECT	NSB__0006 LAR VACUUM FT LINES SIDE A - SIMPLIFIED 3D OBJECTS NSB__0007 BARREL LAR INSULATION LINE - SIMPLIFIED 3D OBJECT NSB__0008 BARREL LAR BOTTOM FT VACUUM LINES - SIMPLIFIED 3D OBJECT	8.98 19.21 22.48	Relevant/WIT Not Relevant Relevant/WIT
NSB__0004 LAR BARREL ELECTRONIC CRATES - SIMPLIFIED 3-D OBJECT	NSB__0005 LAR VACUUM FT LINES SIDE C - SIMPLIFIED 3D OBJECTS NSB__0006 LAR VACUUM FT LINES SIDE A - SIMPLIFIED 3D OBJECTS NSB__0007 BARREL LAR INSULATION LINE - SIMPLIFIED 3D OBJECT	4.34 4.35 15.39	Not Relevant Not Relevant Not Relevant
NSB__0008 BARREL LAR BOTTOM FT VACUUM LINES - SIMPLIFIED 3D OBJECT NSB__0009 BARREL LAR TOP FT VACUUM LINES - SIMPLIFIED 3D OBJECT	NSE__0004 DRAIN PIPE FOR - LAR END-CAP CALORIMETER NSB__0014 BARREL CALORIMETER SERVICES - IN SECTOR 5 ON SIDE C	49.46 5.24	Not Relevant Relevant/WIT

| NSB__0001 | NSB__0004 | Value=14.46mm | Not Relevant |

14.458mm
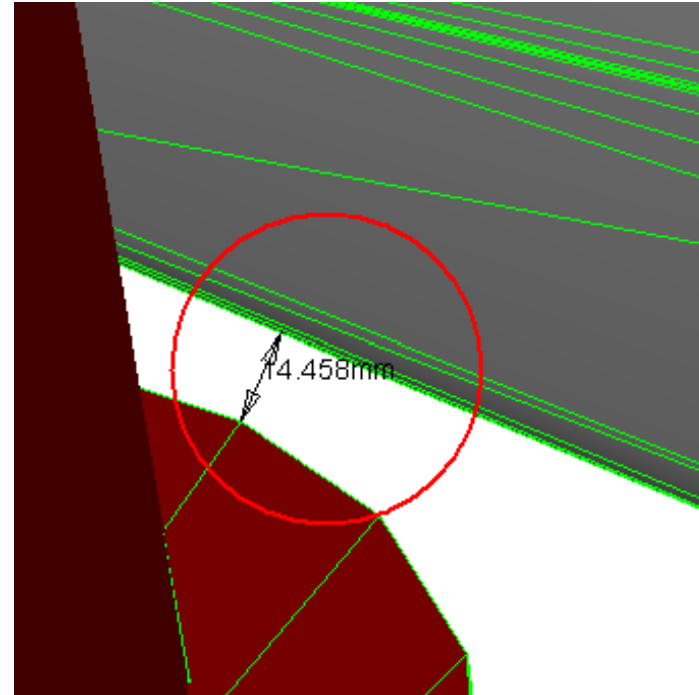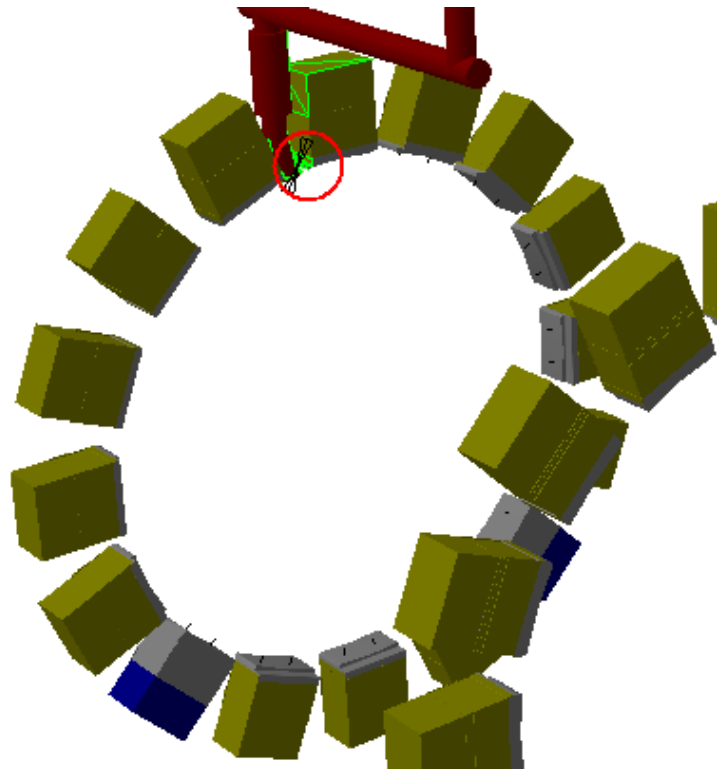
Side   A

Sector 5

Peter: Parts are already installed

| NSB__0001 | NSB__0006 | Value=6.48 | Not Relevant |
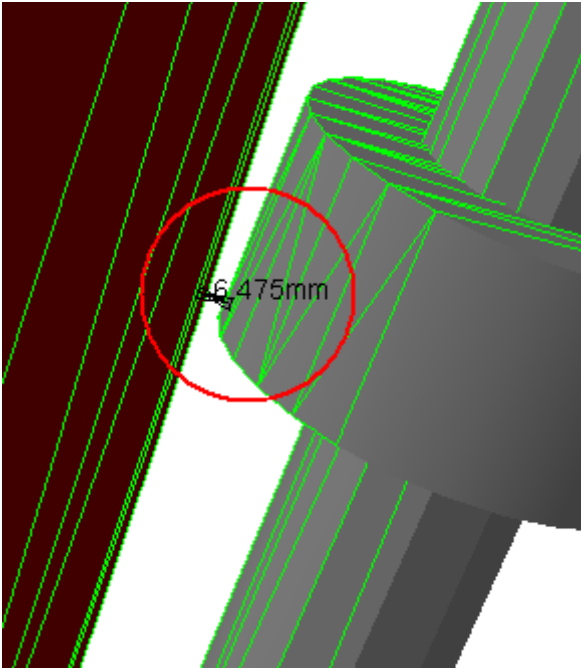
Peter: Parts are already Installed

Side   A

Sector 5

| NSB__0001 | NSB__0013 | Value =~4.65 | Not Relevant |
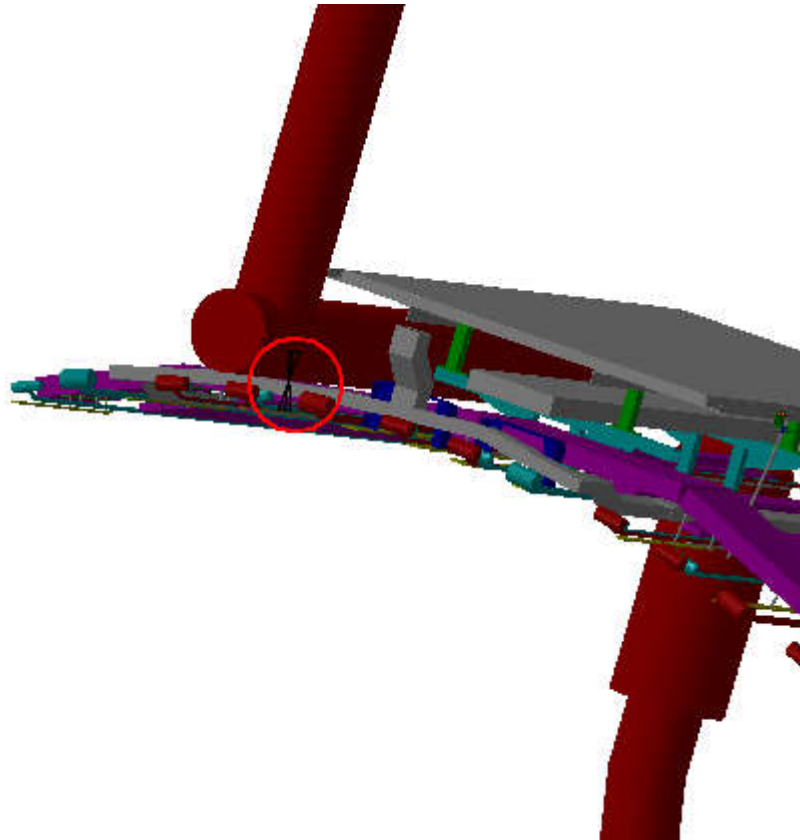
Side   A

Sector   5

Peter: This is Interface

NSB__0001	NSB__0014	Value =~4.65	Relevant

4.651mm
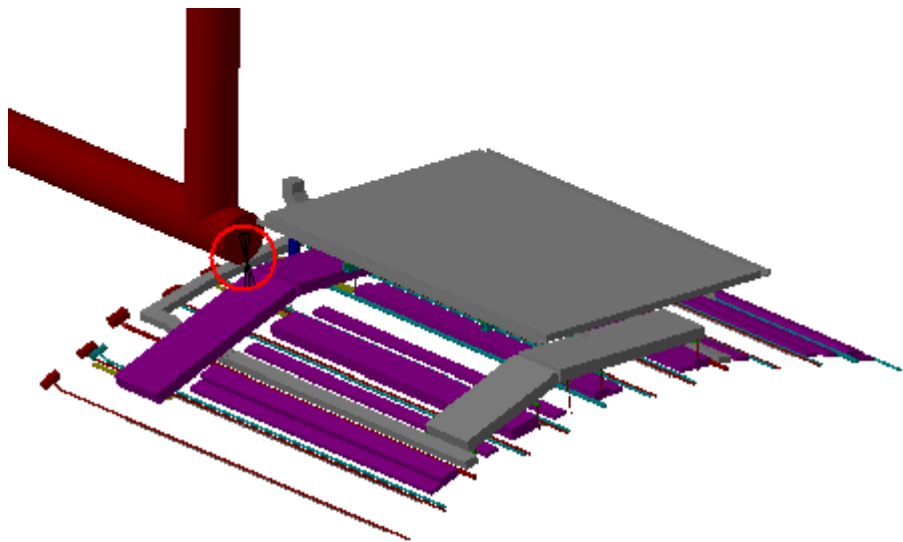
Side   A

Sector 5

Peter: Under Discussion

| NSB__0002 | NSB__0004 | Value = 32.54 | Not Relevant |
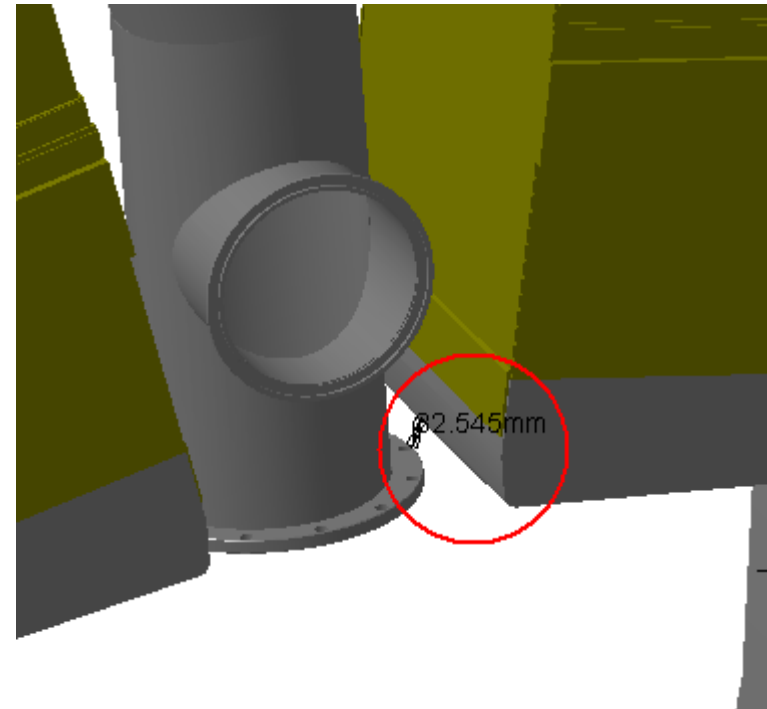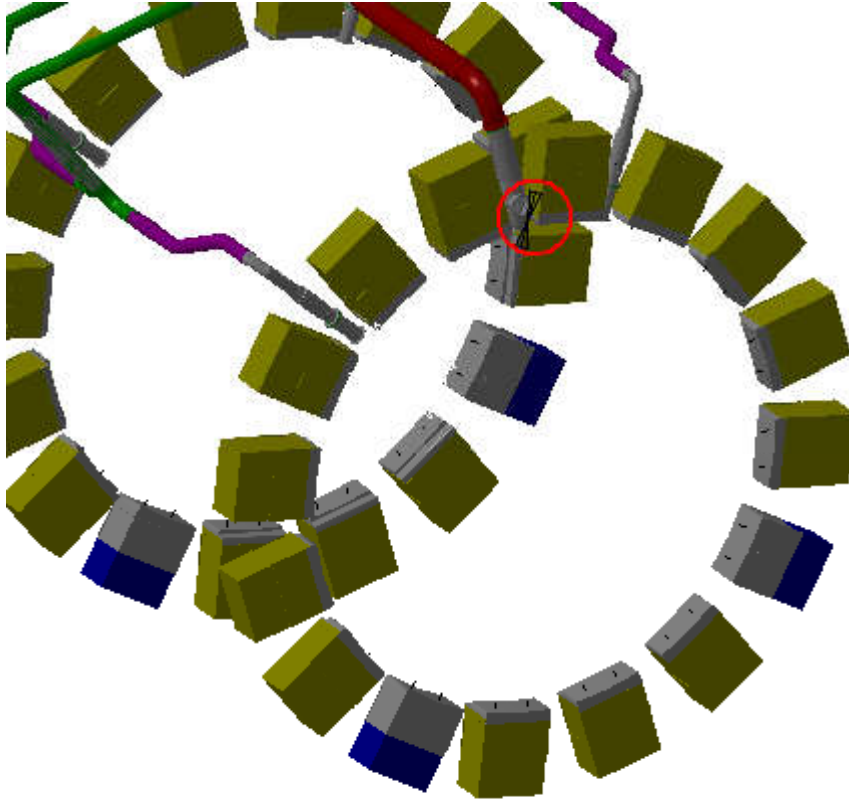
82.545mm

Side   C

Sector   5

Peter: Parts are already Installed
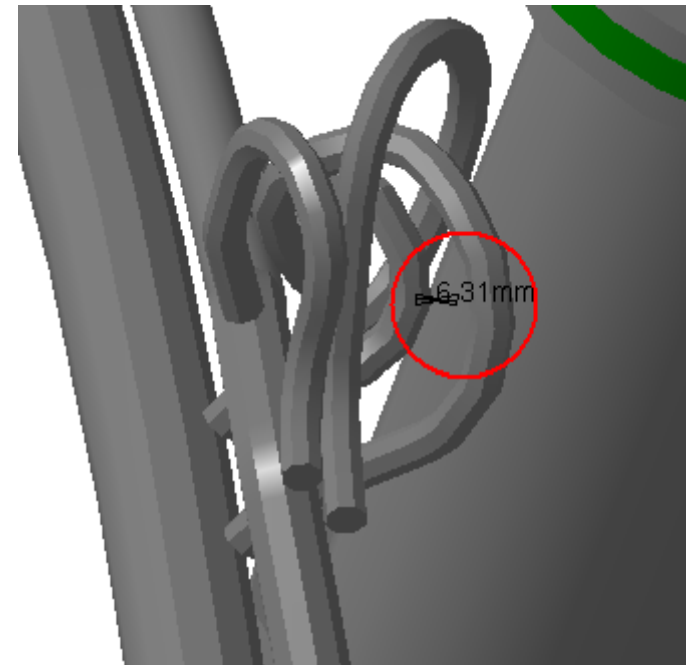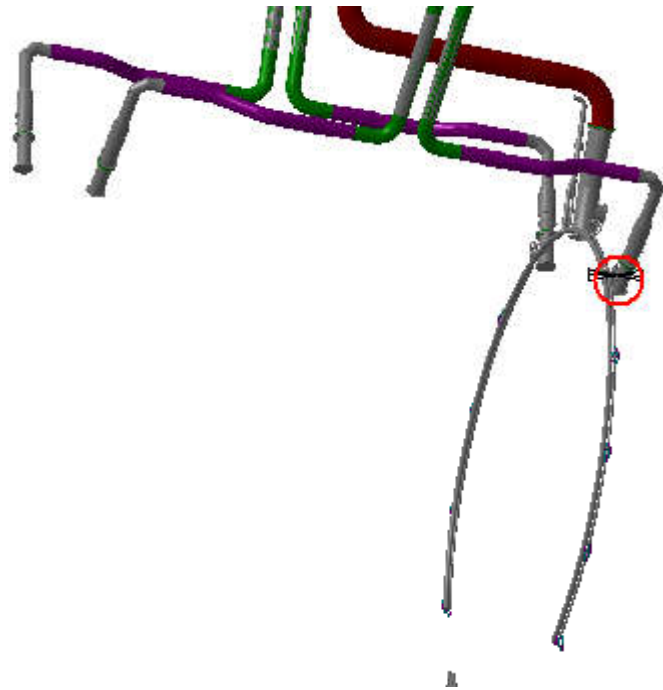
Side   C

Sector 3

Peter: This pipes are flexible

| NSB__0002 | NSB__0006 | Value = 6.3 | Not Relevant |
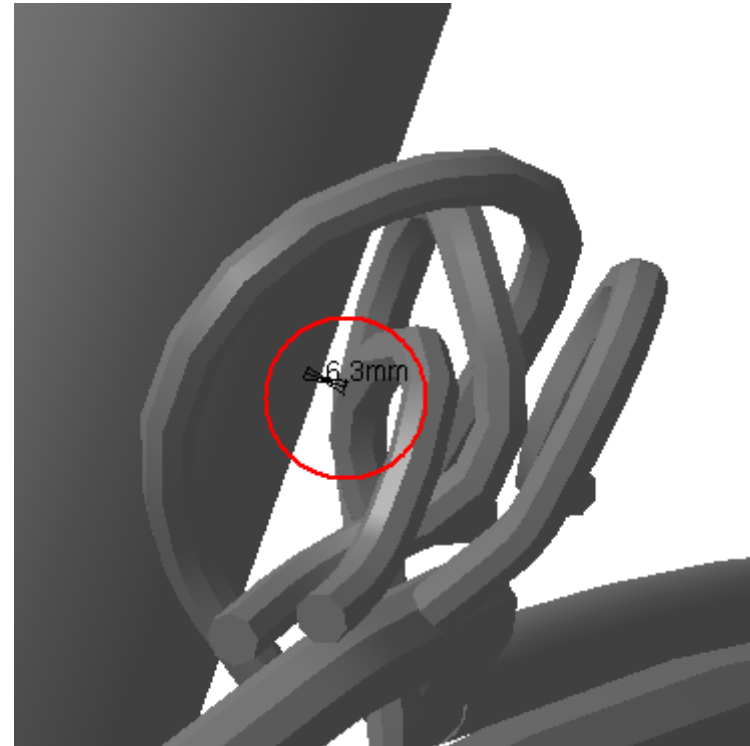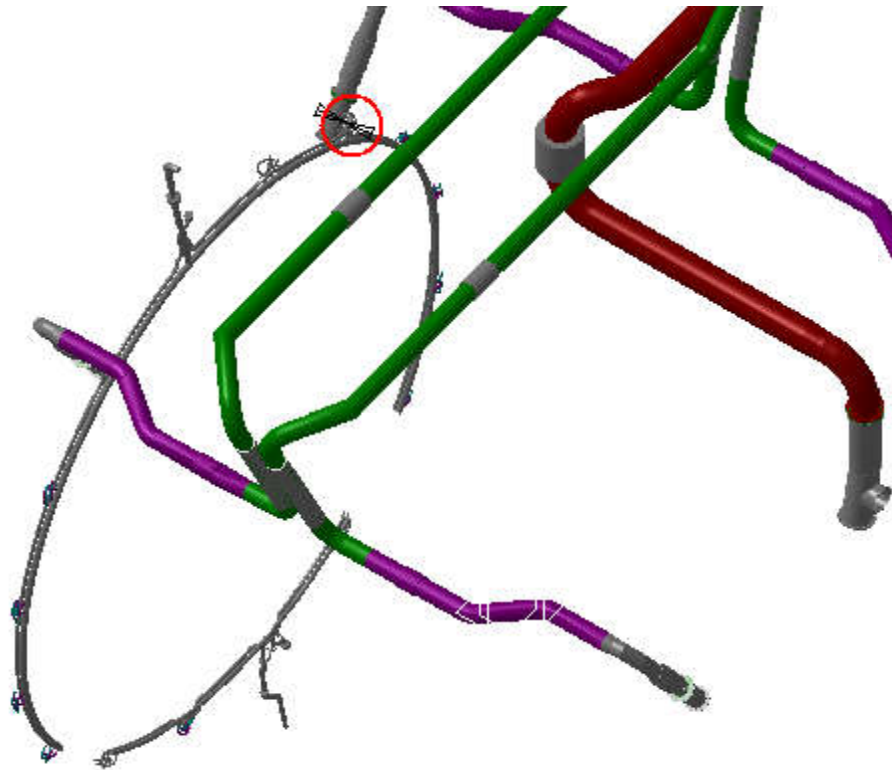
Side   C

Sector   7

Peter: This pipes are flexible

| NSB__0002 | NSB__0009 | Value = 38.06mm | Relevant |
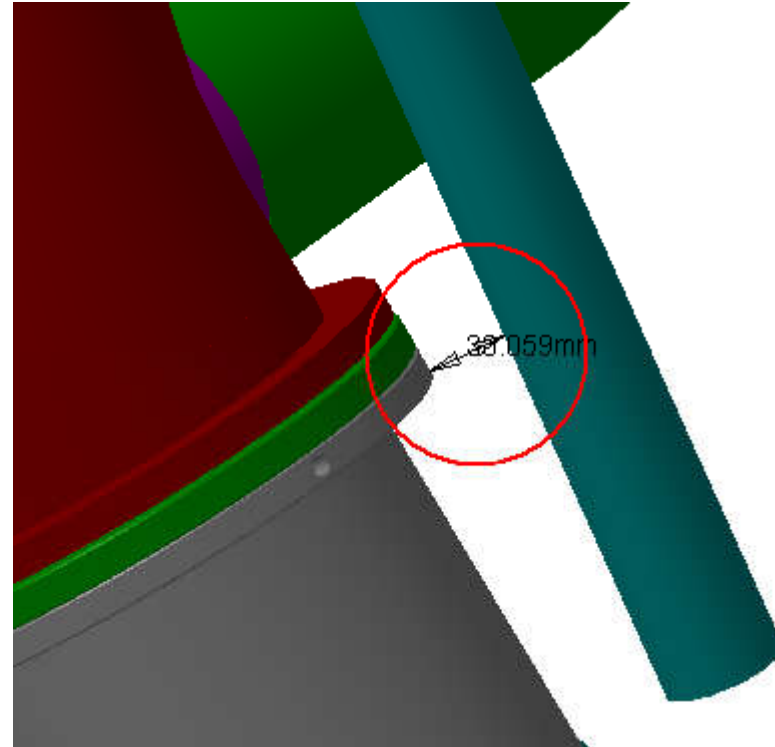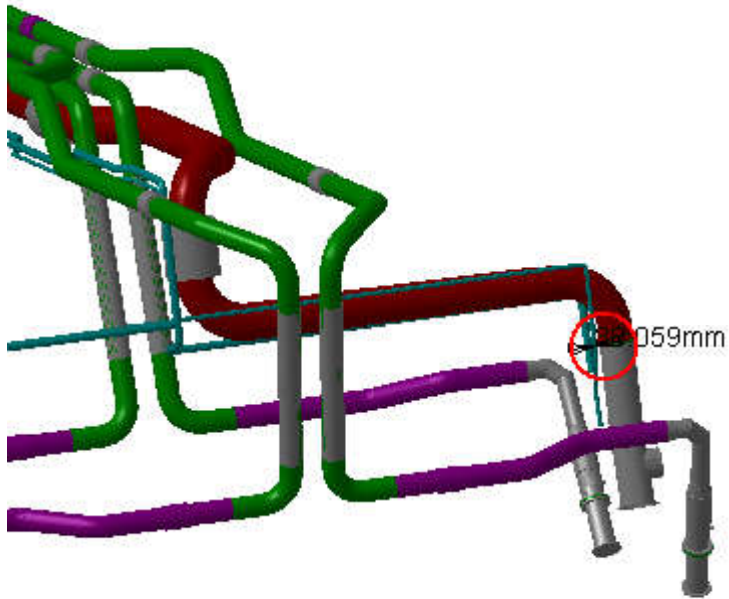
Peter: We have no choice

Lasha: I define status as relevant to pay attention of integration team

Side   C

Sector   5

| NSB__0002 | NSB__00012 | Value = 4.9mm | Relevant |

4.902mm
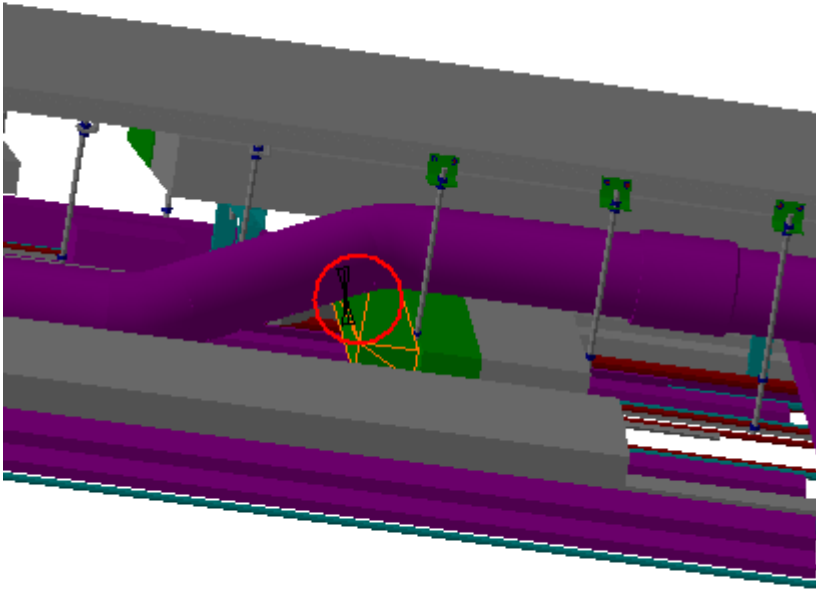
Peter: 1st pipes will be installed, so cable trays can be adjusted
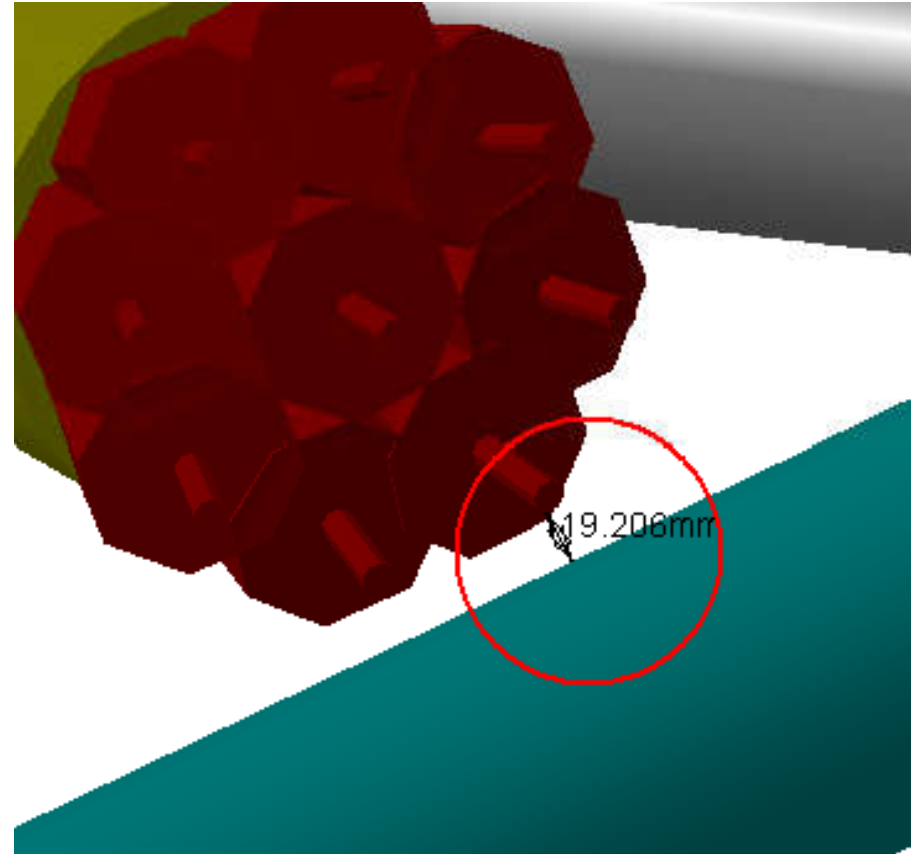
Side   C

Sector   3

Lasha: I define status as relevant to pay attention of integration team
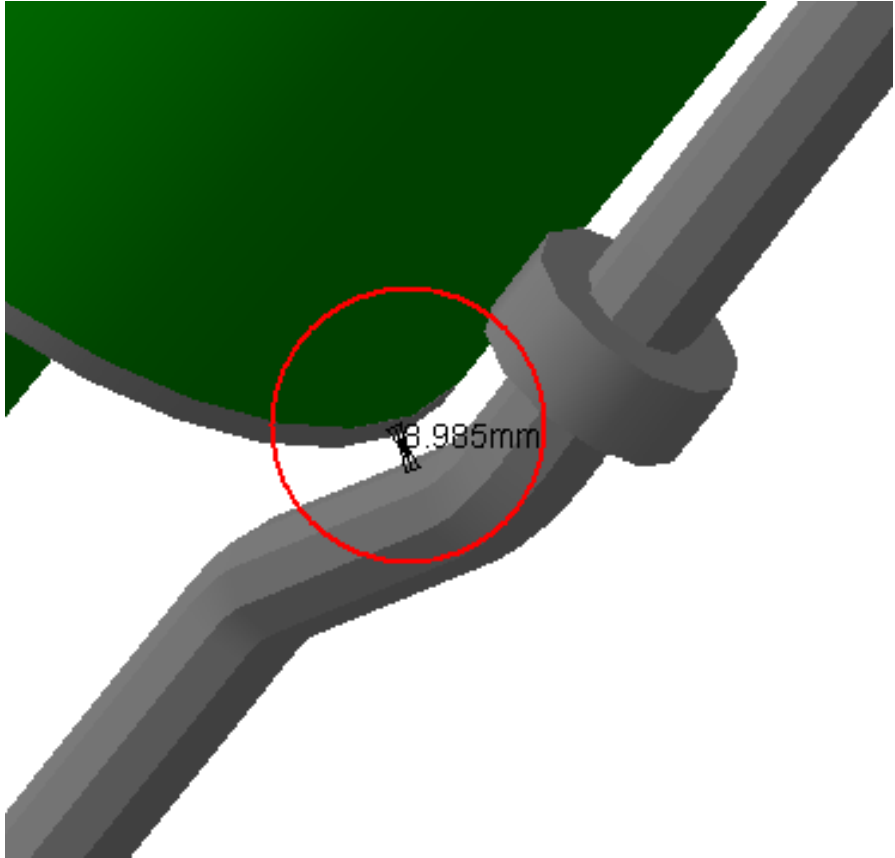
| NSB__0002 | NSB__00014 | Value = 21.94mm | Relevant |
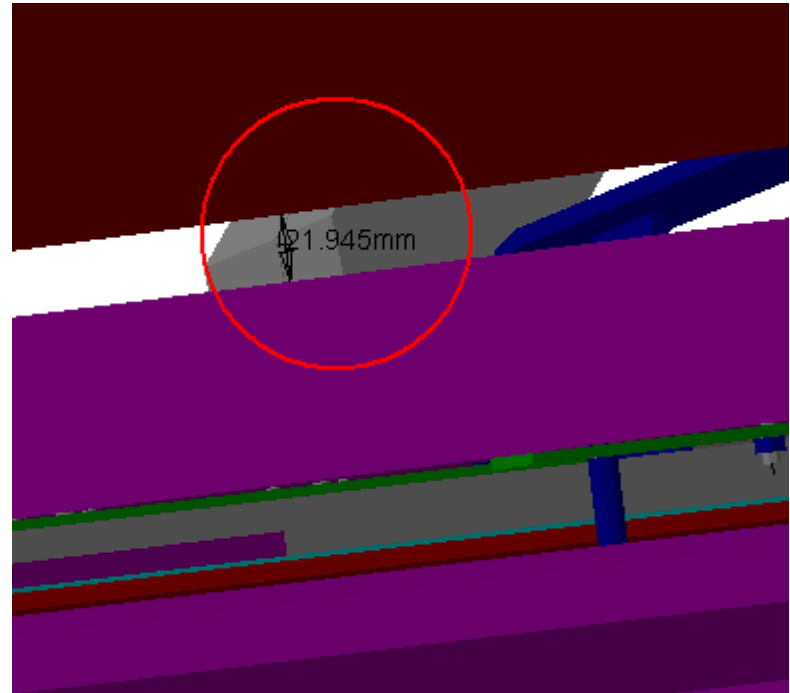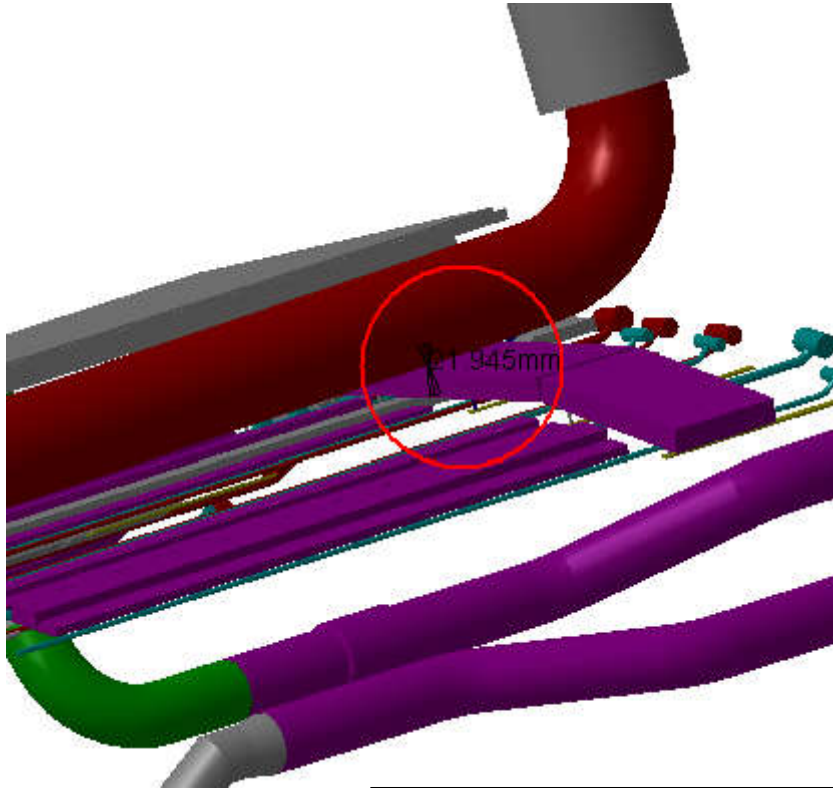
Peter: 1st pipes will be installed,
so cable trays can be adjusted

Side   A

Sector   5

Lasha: I define status as relevant to pay attention
of integration team

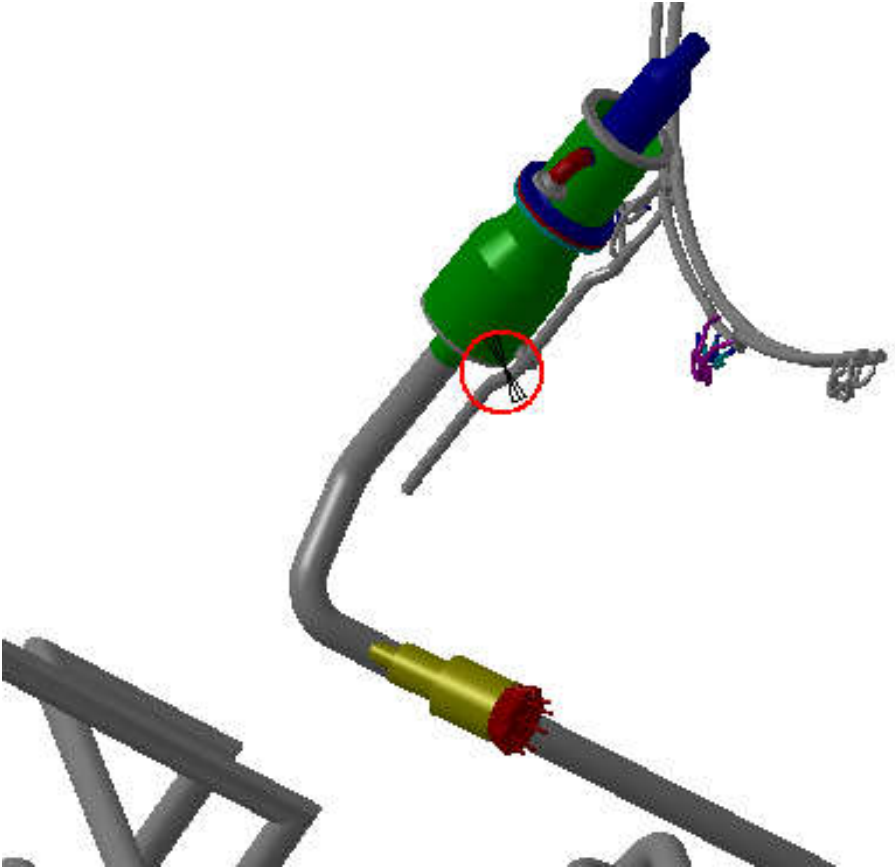| NSB__0003 | NSB__0007 | Value = 19.21 | Not Relevant |
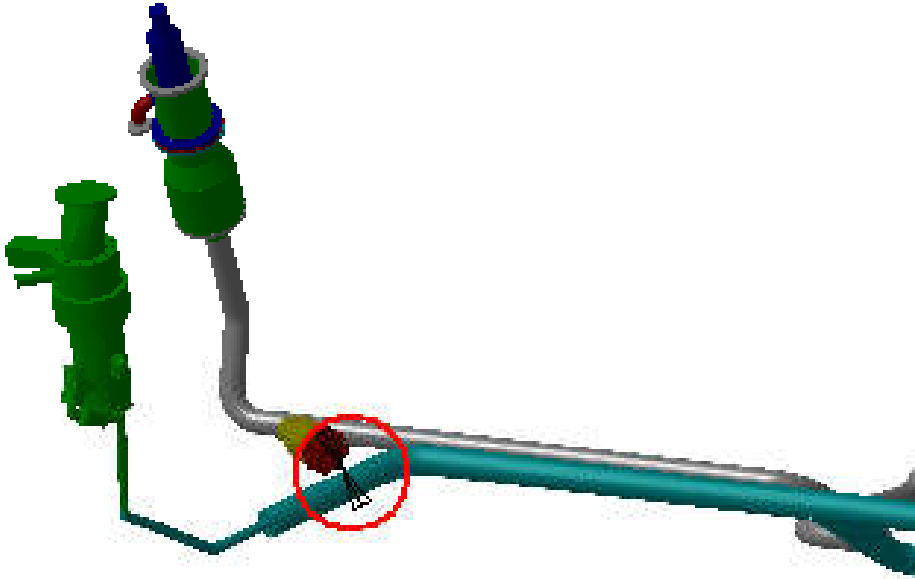
Side   A

Sector   13

Peter: Critical parts are temporary and will be removed after installation

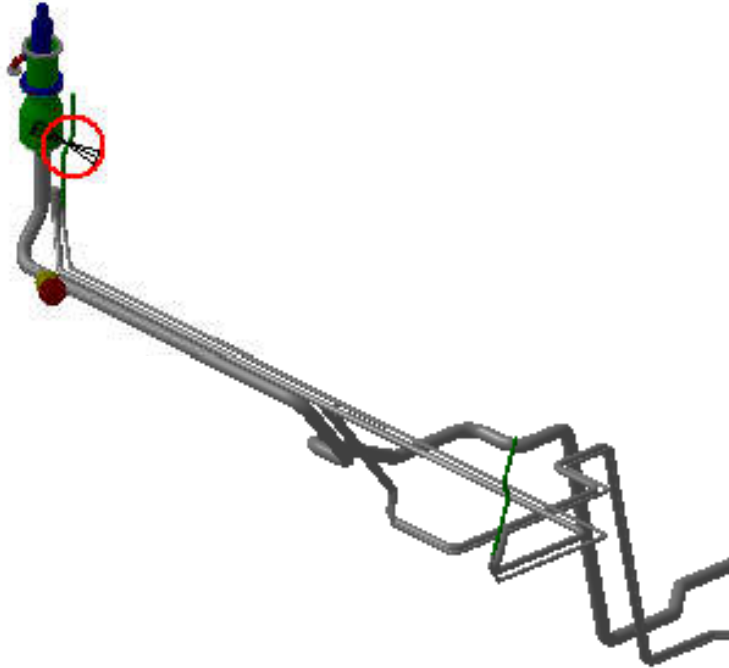| NSB__0003	NSB__0006	Value = 8.98mm	Relevant

8.985mm

Warning for the Installation team !

Side   A

Sector   13

Peter: Needs to check status of installation

NSB__0003	NSB__0008	Value = 22.48mm	Relevant

22.479mm

Warning for the Installation team !

Side   A

Sector   13

Peter: Needs to check status of installation

| NSB__0004 | NSB__0005 | Value = 4.34mm | Not Relevant |

4.341mm
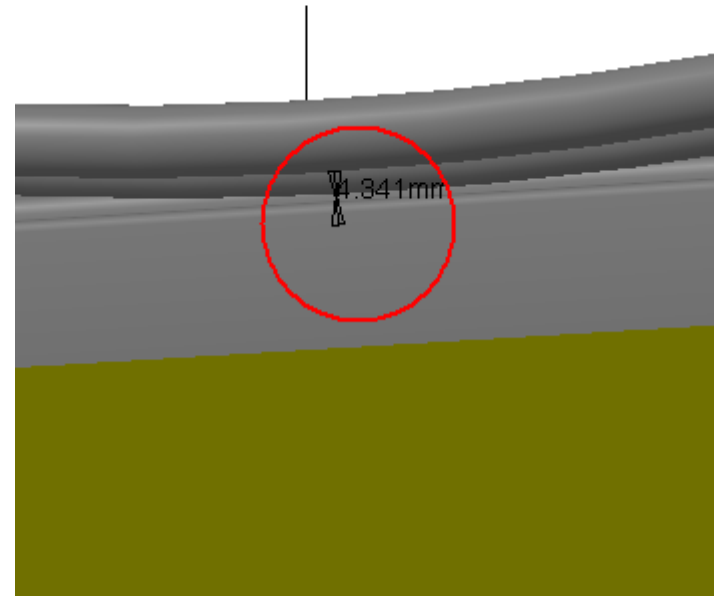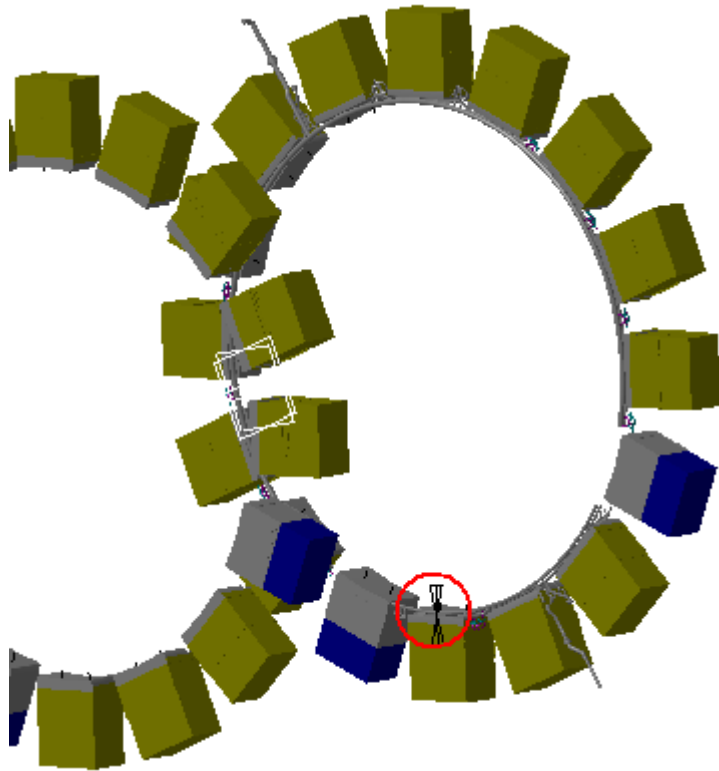
Side   C

Sector   12

Peter: Already Installed

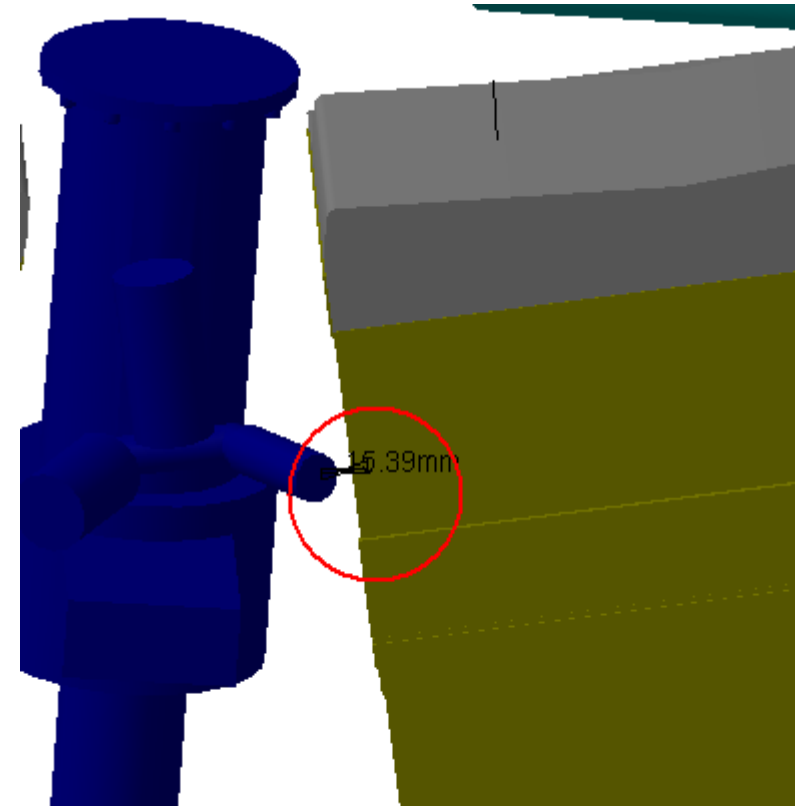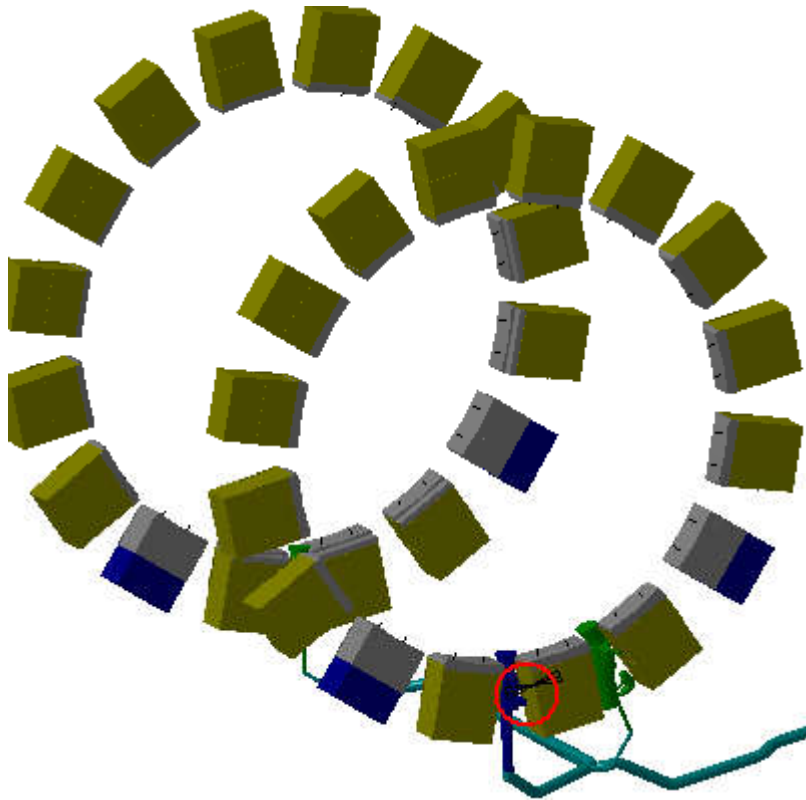| NSB__0004	NSB__0006	Value = 4.35mm	Not Relevant

4.348mm
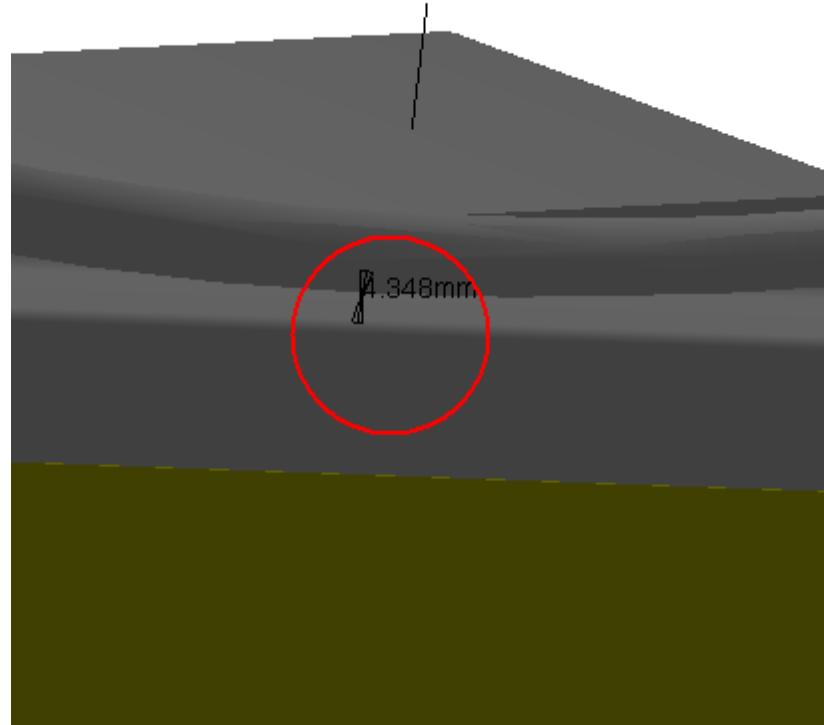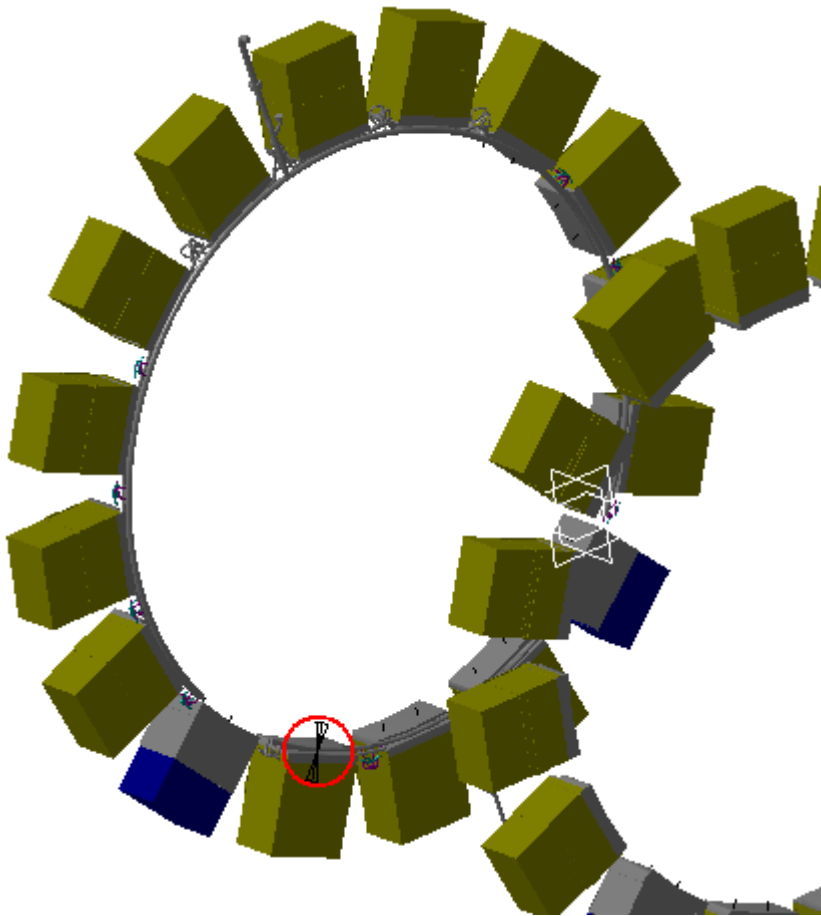
Side   A

Sector   14

Peter: Already Installed
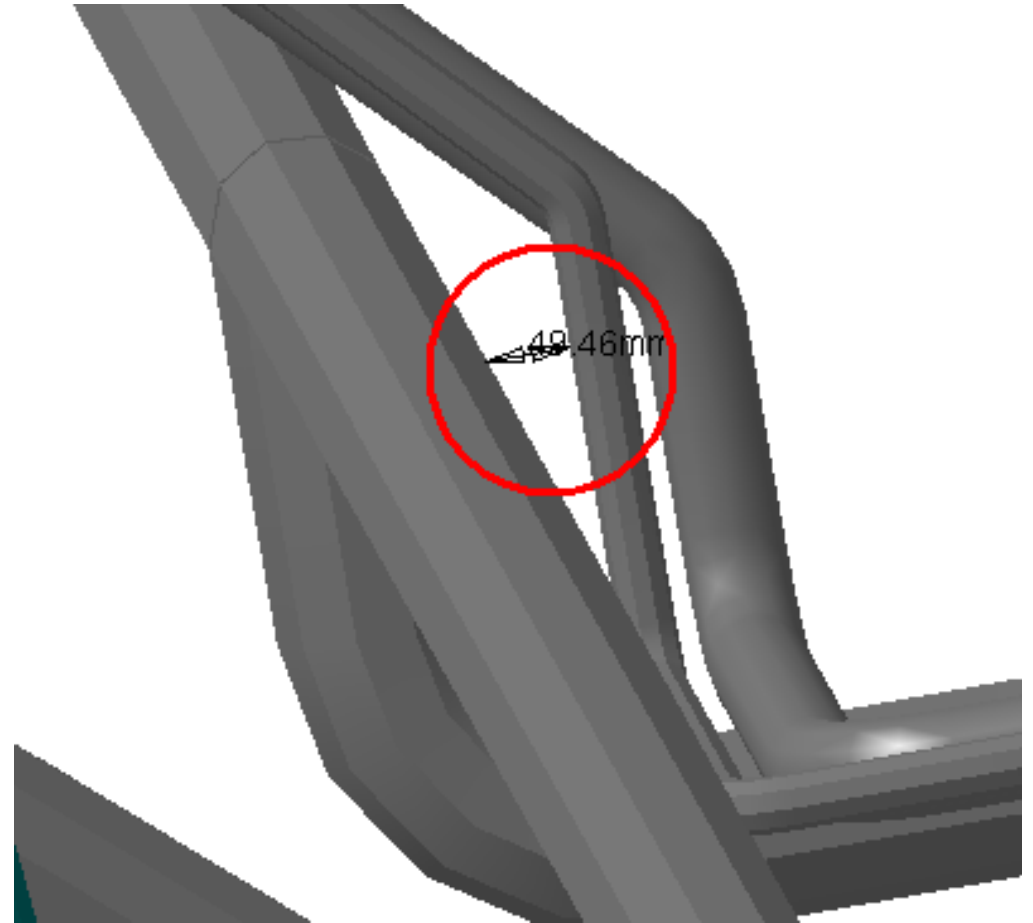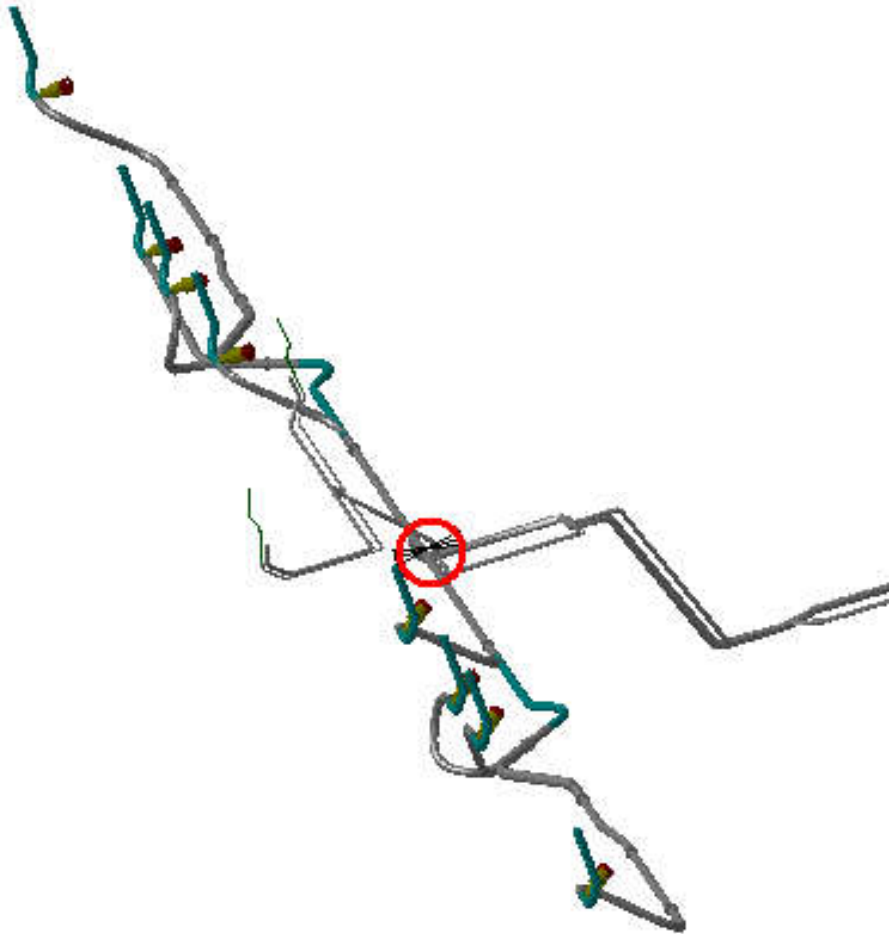
NSB__0004	NSB__0007	Value = 15.39mm	Not Relevant

Side   C

Sector   13

Peter: Already Installed

| NSB__0008 | NSE__0004 | Value = 49.46mm | Not Relevant |

Side   C

Sector   13

| NSB__0009 | NSB__0014 | Value = 5.24mm | Relevant |

Side   A

Sector   5

Warning for the Installation team !

Peter: Needs to check status of installation