

# LHAM1 - D0901809 - Coordinates Definition

DRAWING #	COORDINATES DEFINITION
	Systems defines the location of the HAM1-L1 0,0,0 Local CS at the origin of the Assy.
D0901810 AdvLIGO VE HAM1-L1, Vacuum Equipment Assembly	<p>The position of the Vacuum Equipment is defined by:</p> <ol style="list-style-type: none"> <li>1. Positioning the CS in the VE Assy at <b>300.0</b> mm above the Nozzle "A" Centerline (Z = -300.0 mm) as per DCC Doc T010076-v1 Page 29</li> <li>2. The orientation of the Chamber with respect to the IFO Global CS is defined by DCC Doc G1000125-v8</li> <li>3. Systems insert the assembly mating the AdvLIGO 0,0,0 Local CS from the VE Assy, to the HAM1-L1 0,0,0 Local CS at the origin of the Assy</li> </ol>
D1200024 AdvLIGO SEI HAM1-L1, XYZ Local CS for ISO Table Assembly	<p>The position of the ISO TABLE is defined by:</p> <ol style="list-style-type: none"> <li>1. Positioning the CS in the ISO Table Assy at <b>208.6</b> mm above the Table Optical Surface as per DCC Doc E1000403-v2</li> <li>2. The orientation of the ISO Table with respect to the IFO Global CS is defined by DCC Doc G1000125-v8</li> <li>3. Systems insert the assembly mating the AdvLIGO 0,0,0 Local CS from the ISO Table Assembly, to the HAM1-L1 0,0,0 Local CS at the origin of the Assy</li> </ol>
D1000514 HEPI, HAM, Chamber Level Assembly, aLIGO SEI	<p>The position of the HEPI is defined by:</p> <ol style="list-style-type: none"> <li>1. Positioning the CS in the HEPI Assy at <b>1857.0</b> mm above the concrete floor as per DCC Doc E1000659-v2</li> <li>2. The orientation of the HEPI with respect to the IFO Global CS is defined by DCC Doc G1000125-v8</li> <li>3. Systems insert the assy mating the AdvLIGO 0,0,0 Local CS from the HEPI, to the HAM1-L1 0,0,0 Local CS at the origin of the Assy</li> </ol>
D1102400 AdvLIGO SEI HAM1-L1, XYZ Local CS for ISC BlockDiagram Assembly	<p>The position of the ISC BlockDiagram Assembly (ISC) is defined by:</p> <ol style="list-style-type: none"> <li>1. ISC provides the assembly (<b>D1000313</b>) with all components already defined on the HAM Table</li> <li>2. Systems creates the 3D Sketch to position the Assy D1102400 on the HAM Table.</li> <li>3. Systems insert the assembly mating the AdvLIGO 0,0,0 Local CS from the ISC BlockDiagram Assy, to the HAM1-L1 0,0,0 Local CS at the origin of the Assy</li> </ol>
D1200428 AdvLIGO HAM1-L1 ISI Table, XYZ Local CS for Balance Masses Assembly	<p>The position of the Balance Masses Assembly is defined by:</p> <ol style="list-style-type: none"> <li>1. Positioning the CS in the Masses Assy at <b>208.6</b> mm above the Table Optical Surface as per DCC Doc E1000403-v1</li> <li>2. Systems creates the 3D Sketch to position the Assy D1200428 on the HAM Table</li> <li>3. Systems insert the assembly mating the AdvLIGO 0,0,0 Local CS from the Balance Masses Assy, to the HAM1-L1 0,0,0 Local CS at the origin of the Assy</li> </ol>
D1300075 Cable Harness Routing Configuration - HAM1	<p>The position of the Cable Harness is defined by</p> <ol style="list-style-type: none"> <li>1. Positioning the CS in the Cable Harness Assy at <b>208.6</b> mm above the Table Optical Surface as per DCC Doc E1000403-v1</li> <li>2. Systems creates the 3D Sketch to position the Assy D1300075 on the HAM Table</li> <li>3. Systems insert the assembly mating the AdvLIGO 0,0,0 Local CS from the Cable Harness Assy, to the HAM1-L1 0,0,0 Local CS at the origin of the Assy</li> </ol>