



System Acceptance Review - LoKI

Drawing release status

PRESENTED BY CLARA LOPEZ

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Instrument documentation



Instrument Documentation

LoKI Instrument

Instrument documentation

1. Instrument main documents:
 - a) System Design Descriptions: design solutions per system
 - b) nts
 - c) Global Hazard Analysis
 - d) Validation and verification Plans
 - e) Site Acceptance Test
2. Reports:
 - a) Factory acceptance reports
 - b) Calculation
 - c) Neutronics calculation
 - d) Activation calculation
 - e) Preinstallation reports
 - f) Installation reports
 - g) Reception at arrival
 - h) Alignment reports
 - i) Planning/schedules
 - j) Photos
 - k) Sequences of installation: steps to install as well hold points
 - l) RAMS
 - m) Design risks assessment
3. General documentation like:
 - a) Procedures
 - b) Scope of works
 - c) Specifications
4. Drawings:
 - a) Drawing assemblies
 - b) Drawing parts
5. Manuals:
 - a) Manual of Maintenance and Operations
6. Quality documentation:
 - a) Material certificates
 - b) Declarations of incorporation (when apply)
 - c) CE marking (when commercial products)
 - d) Product literature/material data sheet
 - e) Third party review reports (when apply)
 - f) Dimensional reports

[CHESS Location for LoKI top node](#)

[Manufacturing documentation](#)

Manufacturing and commissioning
LoKI-Freia Hutch
LoKI Vacuum Detector Vessel
LoKI sample area
Loki In-Bunker Components
Loki Guide System
LoKI detectors
Loki Beam monitors
Local crane LoKI
Good lift
Collimation system
Cold Commissioning Reports
Cold Commissioning Plans
Chopper assemblies
Cave assembly
Bunker Wall Insert
Bunker to cave shielding
Beam extraction system
1-Testing phase
0. Installation Admin

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Drawing status

LoKI components

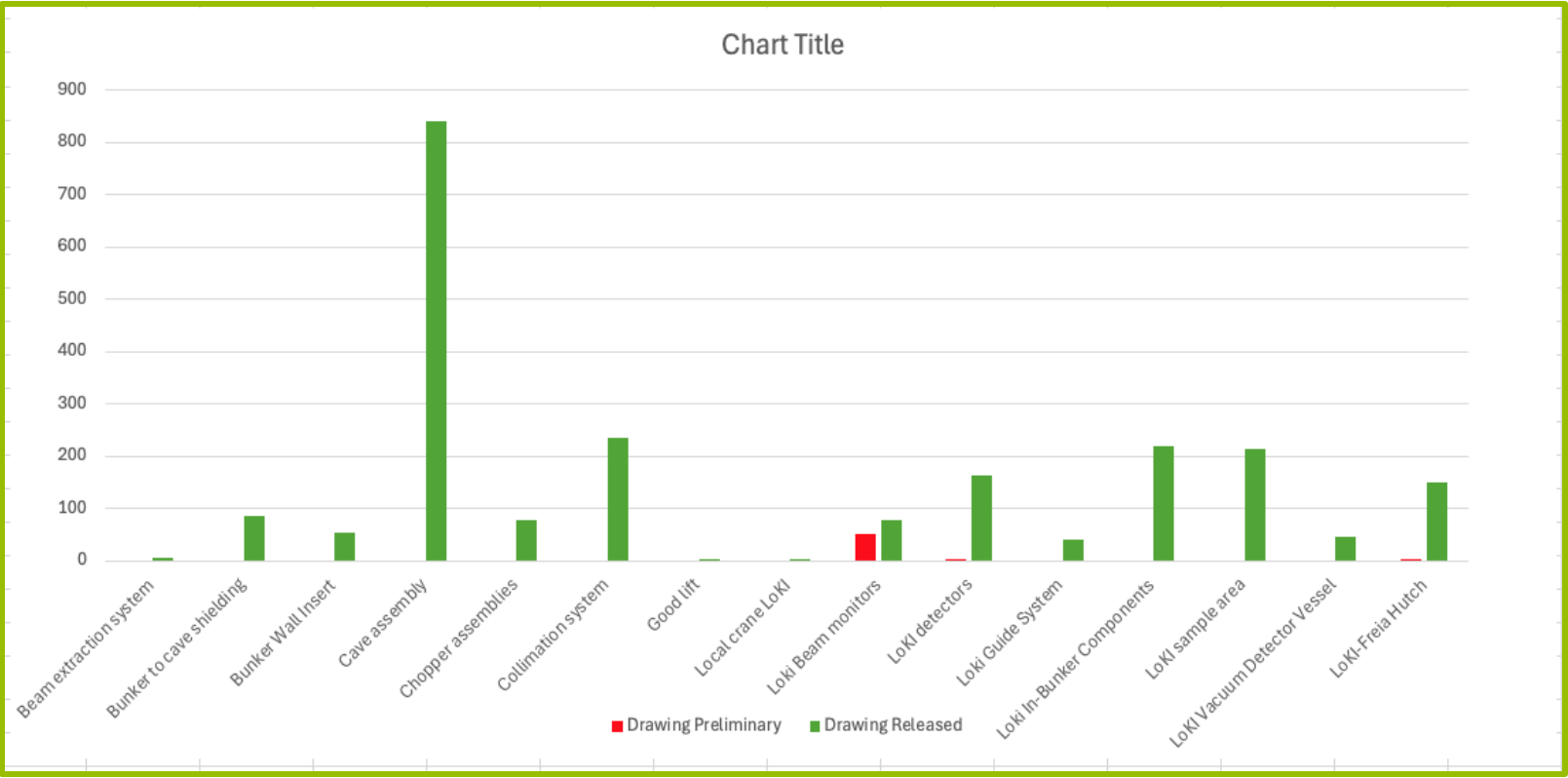
LoKI Vacuum Detector Vessel									
ESS Project ▶ Neutron Scattering Systems ▶ Engineering Management ▶ Design ▶ LoKI 13.6.3 ▶ Neutron Scattering and commiss									
Actions									
Edit Clear Hits: 48 <Any Field> ~ drawing									
	☐	Name	Type	Rev	Title/Label	Description	Owner	State	Actions
1.	☐	LoKI Vacuum Detector Vessel	Workspace Folder			Documentation related to the manufactur...	Clara Ines Lopez	Exists	
2.	☐	Vessel design drawings	Workspace Folder				Clara Ines Lopez	Exists	
3.	☐	Vessel window nose	Workspace Folder				Clara Ines Lopez	Exists	
4.	☐	ESS-5715343	Drawing file	0/1	SI-7615-892.pdf	Vacuum window clamp flange	Clara Ines Lopez	Released	
5.	☐	ESS-5715341	Drawing file	1	SI-7615-891.pdf	LoKI Window clamp washer	Clara Ines Lopez	Released	
6.	☐	ESS-5715340	Drawing file	1	SI-7615-701.pdf	LoKI detector vessel window	Clara Ines Lopez	Released	
7.	☐	ESS-5715338	Drawing file	1	SI-7615-770.pdf	Detector vessel window - nose	Clara Ines Lopez	Released	
8.	☐	ESS-5085993	Drawing file	1	SI-7615-102.pdf	Interface vessel	Clara Ines Lopez	Released	
9.	☐	ESS-5085983	Drawing file	1	SI-2577-033.pdf	Flange reducer for lower valve installat...	Clara Ines Lopez	Released	
10.	☐	ESS-5085982	Drawing file	1	SI-7615-934.pdf	Vessel door PSS hardware assembly	Clara Ines Lopez	Released	
11.	☐	ESS-3524228	Drawing file	1	N058.010.008.PDF	BoLt	Clara Ines Lopez	Released	
12.	☐	ESS-3524227	Drawing file	1	N058.010.011.PDF	Vacuum lid test	Clara Ines Lopez	Released	
13.	☐	ESS-3524226	Drawing file	1	N058.010.009A.PDF	Counter support	Clara Ines Lopez	Released	
14.	☐	ESS-3524225	Drawing file	1	N058.010.010.PDF	Vacuum lid test	Clara Ines Lopez	Released	
15.	☐	ESS-3524224	Drawing file	1	N058.100.001.PDF	Bushing	Clara Ines Lopez	Released	
16.	☐	ESS-3476952	Drawing file	1	N058.900.000.PDF	Vessel main dimensions	Clara Ines Lopez	Released	
17.	☐	ESS-3476951	Drawing file	1	N058.020.006 Pletina tope puerta.PDF	Door bracket	Clara Ines Lopez	Released	
18.	☐	ESS-3476950	Drawing file	1	N058.020.005 Chaveta bloqueo.PDF	Blocking key	Clara Ines Lopez	Released	
19.	☐	ESS-3476949	Drawing file	1	N058.020.004 Bulon bisagra.PDF	Pin hinge	Clara Ines Lopez	Released	
20.	☐	ESS-3476948	Drawing file	1	N058.020.003 Articulacion central bisagra.PDF	Center body hinge	Clara Ines Lopez	Released	
21.	☐	ESS-3476947	Drawing file	1	N058.020.002 Soporte movil bisagra.PDF	Movil support hinge	Clara Ines Lopez	Released	
22.	☐	ESS-3476946	Drawing file	1	N058.010.004A Tapa pequena superior.PDF	Top access	Clara Ines Lopez	Released	
23.	☐	ESS-3476945	Drawing file	1	N058.010.001B Cuerpo camara.pdf	Vessel body	Clara Ines Lopez	Released	
24.	☐	ESS-3476944	Drawing file	1	N058.010.006.PDF	Pin guide 70 L	Clara Ines Lopez	Released	
25.	☐	ESS-3476943	Drawing file	1	N058.010.002 Tapa de acceso.pdf	Back door (access to detectors)	Clara Ines Lopez	Released	
26.	☐	ESS-3476942	Drawing file	1	N058.010.007.PDF	Pin guide 55 L	Clara Ines Lopez	Released	
27.	☐	ESS-3476941	Drawing file	1	N058.020.001 Soporte fijo bisagra.PDF	fixed support hinge	Clara Ines Lopez	Released	
28.	☐	ESS-3476940	Drawing file	1	N058.010.005A Tapa pequena.PDF	Side Flange (side access)	Clara Ines Lopez	Released	
29.	☐	ESS-3476939	Drawing file	1	N058.010.003A Tapa entrada haz.PDF	Front door (nose)	Clara Ines Lopez	Released	
30.	☐	LoKI vacuum pipes and flanges	Workspace Folder				Clara Ines Lopez	Exists	
31.	☐	Valves and fan	Workspace Folder				Clara Ines Lopez	Exists	
32.	☐	ESS-4246319	Drawing file	1	vat valve 12144-PA44-0001 drawing 214859 (1).pdf	Detector vessel vat Valve	Clara Ines Lopez	Released	
33.	☐	ESS-4227802	Drawing file	1	SI-7615-718.pdf	Detector vessel air circulation assembly	Clara Ines Lopez	Released	
34.	☐	ESS-4227801	Drawing file	1	SI-7615-923.pdf	ISO K DN250 VAC diagnostics FLG	Clara Ines Lopez	Released	
35.	☐	ESS-4227800	Drawing file	1	SI-7615-741.pdf	Detector vessel pump pipework	Clara Ines Lopez	Released	
36.	☐	ESS-4227799	Drawing file	1	SI-7615-735.pdf	Piping for detector vessel front air cir...	Clara Ines Lopez	Released	
37.	☐	Detector vessel installation drawings	Workspace Folder				Clara Ines Lopez	Exists	
38.	☐	ESS-4049773	Drawing file	1	SI-7615-166.pdf	Detector rail support upper pillar	Clara Ines Lopez	Released	
39.	☐	ESS-3817896	Drawing file	1	SI-7615-163 Issue c - LoKI detector vessel installation.pdf	SI-7615-163 Issue c - LoKI detector vess...	Clara Ines Lopez	Released	
40.	☐	ESS-3734946	Drawing file	1	SI-7615-167.pdf	Leg link assembly	Clara Ines Lopez	Released	
41.	☐	ESS-3734945	Drawing file	1	SI-7615-148.pdf	M16 - OD60 x 10 THICK WASHER	Clara Ines Lopez	Released	
42.	☐	ESS-3734944	Drawing file	1	SI-7615-149.pdf	VESSSEL LEG LOCATION PLATE	Clara Ines Lopez	Released	
43.	☐	ESS-3734943	Drawing file	1	SI-7615-164.pdf	DETECTOR VESSEL ALIGNMENT LEG	Clara Ines Lopez	Released	
44.	☐	ESS-3734942	Drawing file	1	SI-7615-257.pdf	DETECTOR VESSEL TO LEG SHIM SET	Clara Ines Lopez	Released	
45.	☐	ESS-3734941	Drawing file	1	SI-7615-165.pdf	DETECTOR RAIL SUPPORT LOWER PILLAR	Clara Ines Lopez	Released	
46.	☐	ESS-3734940	Drawing file	1	SI-7615-147.pdf	LOKI DETECTOR VESSEL LEG	Clara Ines Lopez	Released	
47.	☐	ESS-3732485	Drawing file	1	SI-7615-161 DETECTOR VESSEL PRE-INSTALLATION ASSY	SI-7615-161 Detector pre installation as...	Clara Ines Lopez	Released	



Drawing status

Statistics per component

Row Labels	Drawing	
	Preliminary	Released
Beam extraction system		5
Bunker to cave shielding		85
Bunker Wall Insert		55
Cave assembly		839
Chopper assemblies		77
Collimation system		236
Good lift		3
Local crane LoKI		4
Loki Beam monitors	50	79
LoKI detectors	2	164
Loki Guide System		40
Loki In-Bunker Components		218
LoKI sample area		215
LoKI Vacuum Detector Vessel		46
LoKI-Freia Hutch	1	150
Total		2216



97.5 % drawings released



Finish presentation