LCLS Linac Coherent Light Source Stanford Synchrotron Radiation Laboratory Stanford Linear Accelerator Center

QA Records Checklist

The purpose of this form is to verify the presence of the appropriate quality assurance records for hardware shipments being installed at SLAC. This form is required to be completed by ANL LCLS project personnel prior to authorizing shipments to SLAC.

System or Component Name: LCLS Fixed Support Assembly

Date: 02/08/08

Part/Drawing Number: L143-143080-200000

Serial Numbers: 25, 26, 27, 28

Supplier Name: Hi-Tech Manufacturing Inc

PO Number: 7A-08189

Responsible LCLS Technical Lead: M. White

Reponsible Engineer(s): E. Trakhtenberg

No.	Record Name	Document number	Origin	Comments	Present (Y, N, NA)	
1.	ANL Component Acceptance Record	LCLS	ANL	ANL Acceptance record of ANL acceptance date and applicable drawing revisions.		
2.	Dynamic CAM test results		ANL	#25, 26, 27, 28	Y	ET
3.	Certificates of Conformance for Vibratory Stress Relief	NA	American Grinding	L1430802-200030, L1430802-200021, L1430802-200011	Y	ET
4.	Certificates of Inspection	NA	Hi-Tech	L1430401-100101, L1430401-100201,	Y	ET
5.	Certificates of Inspection	NA	Hi-Tech	L1430401-100103, L1430401-100303,	Y	ET
? 6.	Copies of the ANL Inspection/Acceptance Report of Components for As-Built Drawings	L143-00093	Hi-Tech	Undulator Girder	Y	ET
? 7.	Copies of the ANL Inspection/Acceptance Report of Components for As-Built Drawings	L143-00093	Hi-Tech	Interface Plate (Double CAM)	Y	ET
? 8.	Copies of the ANL Inspection/Acceptance Report of Components for As-Built Drawings	L143-00093	Hi-Tech	Interface Plate (Single CAM)	Y	ET
9.	Weld Certification	NA	Hi-Tech	Support Girder (L1430401-10040)	Y	ET
10.	Inspection Planning & Report Form	NA	Metalex	Undulator Support Girder	Y	ET
11.	Certificate of compliance – Stress Test	NA	Cincinnati Steel Treating Co.	Support Girder	Y	ET
12.	Certificate of Conformance	NA	Metalex	Support Girder	Y	ET
13.	Calibration Certificate – CMM metric & inches	TG13480 & TG13482	American Calibration Inc.	Unit is in working condition	**Present in SM #1 QA**	
14.	Various MSDS for Paint & Oil and Concrete Epoxy Grease	NA	NA	MSDS for chemicals used.	Y	ET
15.	Welding Operator Qualification Test Record	NA	Bodycote Taussig Inc.	Welders qualifications	Y	ET
16.	Certificates of Conformance for Support Girder raw materials	NA	Metalex	Precision Steel Services Inc., Frederick Steel Co., CMC Steel	**Present in SM #1 QA**	
17.	Certificate of Compliance /Statement of Quality	NA	The Sherwin-Williams Co.		Y	ET
18.	Visual Weld Inspection Report	NA	Metalex	Girder ~~Support~~	Y	ET
19.	Visual Weld Inspection Report	NA	HiTech	Girder Support	Y	ET

No.	Record Name	Document number	Origin	Comments	Present (Y, N, NA)	
20.	Gearhead Inspection Report		GAM	In Folder (electronically)	Y	ET.
21.	Certification of Single Axis Table		Lintech		Present in SM #1 QA	
22.	Certificate of Conformance for CAM Motors		Animatics	Motors – In Folder (electronically)		ET.
23.	Shipping Crate Design Approval Record	NA	Hi-Tech		Y	ET.
24.	Misc. Photographs	NA	Hi-Tech			

Optional notes or Comments:

The Mill Certificates for the steel dimensions, chemical composition, and tensile properties are present for Girder serial number 1 only because the material for all of the girder assemblies was purchased at one time.

Hitech's VSR certificates didn't include intermediate plates + pedestals. T. Barsz

Signature of person that completed this checklist: ET Date: 02/08/08

Concurrence signatures of the contents of this checklist:

Responsible ANL LCLS Engineer: Emil Trachtenberg ET Date: 02/08/08

Responsible ANL QA Coordinator: Tom Barsz TRB Date: 2/8/08

Responsible ANL LCLS Technical Lead: Marion White MW Date: 8 Feb 08

ANL LCLS Project Manager: Geoff Pile Date: 2/14/08

Distribute this completed form to: ANL Records package. ANL LCLS QA. ANL LCLS Technical Lead

LCLS Linac Coherent Light Source — Stanford Synchrotron Radiation Laboratory, Stanford Linear Accelerator Center

Component Acceptance Record

THE PURPOSE OF THIS FORM IS TO PROVIDE A RECORD OF THE ACCEPTANCE OF LCLS COMPONENTS DELIVERED BY ANL, AS WELL AS ANY ISSUES THAT MAY ARISE FROM THE ACCEPTANCE PROCESS.

System or Component Name	Part/ Drawing Number	Rev.	Qty	Serial No.	Supplier Name	ANL Purchase Order Number
Fixed Support General Assembly	*L1430802-20000*	*07*	5	25, 26, 27, 28	Hi-Tech Manufacturing	7A-08189
Undulator Girder Assembly	*L1430401-100396*	*04*	5	↓, ↓, ↓, ↓	Hi-Tech Manufacturing	7A-08189

The components appearing above have been delivered to SLAC and have been deemed to meet the requirements defined in the ANL Statement of Work Document # L143-00093/ SLAC No.SP-381-004-26.

ANL Approval Signatures:

LCLS Quality Assurance Coordinator at ANL	2/8/08 Date
Responsible or Chief Engineer at ANL	2/08/08 Date
LCLS Technical Lead at ANL	8 Feb 2008 Date
LCLS Project Manager at ANL	2/14/2/08 Date

The components appearing above have been accepted by SLAC and have been deemed to have met the requirements defined in ANL Statement of Work Document # L143-00093/ SLAC No.SP-381-004-26-26.

SLAC Acceptance Signatures:

LCLS Quality Assurance Manager at SLAC	Date
LCLS Chief Engineer at SLAC	Date
LCLS Project Director at SLAC	Date

The LCLS Quality Assurance Manager at SLAC is responsible for retaining the original completed and for forwarding copies of the completed form to all who have signed the form