



DOCUMENT CHANGE NOTICE (DCN)

DOCUMENT No. (DOC-REV-GP. ID)	TITLE	NEW REV.
	Seismic Isolation System (SEI) Drawings (does not include the assembly fixture drawings)	
see attached list	see attached list	--

CHANGE DESCRIPTION (FROM/TO): This is an initial release of SEI drawings into the LIGO Document Control Center (DCC). Previous versions (revisions) were created in Hytec Inc.'s configuration control system. All future revisions will be tracked and controlled by the LIGO DCC. The attached represents the drawings at the time of first article fabrication.

N.B.:

(1) In the attached list, the drawings are listed by assembly. Some parts are used in more than one assembly, but they are listed only in the first assembly so as not to have duplicate drawing references.

(2) The attached list was derived from the Hytec 6/5/98 LIGO Drawing List Master with corrections to drawing names.

(3) The following drawings have previously been submitted via DCN E980095-00-D and are included herein only for the purpose of filing them electronically in pdf format and to incorporate them into the attached drawing list (i.e. there has been no revision):

D972118-B	D972123-B	D972128-D
D972609-C	D972612-C	D972615-B

REASON FOR CHANGE: Initial Release (to the LIGO DCC). (Drawings are electronically filed in pdf format.)

ACTION: Incorporate change Attach DCN to drawing(s) Other action (specify):

DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)	DCN DISTRIBUTION (X=incl. docs)
<input type="checkbox"/> No hardware affected (record change only)	Althouse Barish Coles X Coyne Lazzarini Lindquist
<input type="checkbox"/> List S/Ns which comply already:	Raab Sanders Shoemaker
<input type="checkbox"/> List S/Ns to be reworked or scrapped:	Stapfer Tyler Weiss
<input checked="" type="checkbox"/> List S/Ns to be built with this change: All	Whitcomb Zydowicz
<input type="checkbox"/> List S/Ns to be retested per this change:	X M. Fine X F. Asiri
<input type="checkbox"/>	X L. Jones X M. Barton
<input type="checkbox"/>	X R. Savage X T. Thompson
<input type="checkbox"/>	
<input type="checkbox"/>	

SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT? No Yes (If yes, enter Change Request number)

APPROVALS:	DATE	OTHER APPROVALS (specify)	DATE
ORIGINATOR: Tim Thompson (Hytec)	6/5/98		
TASK LEADER: Mike Fine	6/9/98		
GROUP LEADER: Dennis Coyne	6/9/98		
DCC RELEASE:			



DOCUMENT CHANGE NOTICE

CHANGE DESCRIPTION (FROM/TO):

Drawing Number	Revision	Title	No. Sheets
D972xxx BSC Top Assembly			
D972001	00	BSC Top Assembly	5
D9721xx BSC Structure			
D972101	00	BSC Flexture Mount Assembly	1
D972102	00	Coarse X-Y Driven Translation Assembly	1
D972103	A	Coarse X Floating Translation Assembly	1
D972104	00	Scissors Table Assembly -1 BSC -3 HAM	2
D972105	A	Coarse X Translation Spacer Block	1
D972106	B	Airbearing Assembly	1
D972107	A	Fine-X Assembly Replacement Weldment	1
D972108	00	Fine-X Translation Adjusting Screw	1
D972109	00	Fine-X Translation 5/16 Ball Seat -1 6mm Shaft -3 8mm Shaft	1
D972110	A	Fine-X Translation Bottom Frame	1
D972111	A	Fine-X Translation Top Frame	2
D972112	A	Fine-X Translation Flexure - B	1
D972113	A	Fine-X Translation Flexure - A	1
D972114	00	Fine-X Translation Spring Seat	1
D972115	00	Fine-X Translation Spring Pre-load Plate	1
D972116	00	Fine-X Translation Probe Mount	1
D972117	A	Fine-X Translation Frame Mounted Ball Seat	1
D972118	B	BSC Crossbeam Weldment	1
D972119	A	BSC Airbearing / X-Y Translator Mounting Plate	1



DOCUMENT CHANGE NOTICE

CHANGE DESCRIPTION (FROM/TO):

Drawing Number	Revision	Title	No. Sheets
D972120	A	BSC Airbearing Mounting Plate	1
D972121	C	BSC Support Tube Weldment	2
D972122	D	BSC Expansion Bellows	1
D972123	B	BSC Support Tube Spherical Mount	1
D972124	B	BSC Support Tube Mount Cap	1
D972125	B	BSC Support Tube Mount Base	1
D972126	C	Pier Leveling & Grout Plate	1
D972127	00	Scissor Table Stop Link	1
D972128	D	BSC Support Pier	1
D972128	1	-1 for Hanford Site -3 for Livingston Site -5 for Hytec Site	1
D972130	D	Scissors Table Base Plate	1
D972131	C	Scissors Table Top Plate	1
D972132	B	Scissors Table Lower Hinge Link	1
D972133	B	Scissors Table Upper Hinge Link	1
D972134	B	Scissors Table Hinge Pins -1 Mid Hinge Pin -3 Plate Hinge Pin	1
D972135	B	Scissors Table Spring Cup	1
D972136	A	Scissors Table Z Shaft Mount -1 BSC -3 HAM	1
D972137	A	Coarse X-Y Translation Roll Pivot	1
D972138	A	Coarse X-Y Translation Flexure Base	1
D972139	A	Coarse X-Y Translation Pitch Flexure	1
D972140	00	Coarse X-Y Translation Yaw Pivot	1
D972141	A	Coarse X-Y Translation Flexural Pivot Assembly	1



DOCUMENT CHANGE NOTICE

CHANGE DESCRIPTION (FROM/TO):

Drawing Number	Revision	Title	No. Sheets
D972142	A	Crossbeam / Airbearing Spherical Mounting Pad	1
D972143	00	Scissor Table Spring Shim	1
D972144	00	Coarse X-Y Stage Replacement Weldment	1
D972145	00	Scissor Table Replacement Weldment	1
D972146	00	Scissor Table Mounting Clamp	1
D972147	00	Coarse X-Y Translation Handling Support Bar	1
D972148	00	Scissor Table Lock Link	1
D972149	00	Coarse X-Y Translation Handling Support Angle	1
D9722xx BSC Isolation Stack			
D972201	B	BSC Isolation Stack Leg Assembly	2
D972202	C	Weld Configuration & Weld Procedure	3
D972210	B	BSC Downtube / Support Table Assembly	1
D972211	E	BSC Downtube Weldment	5
D972212	C	BSC Support Table Weldment	3
D972213	A	BSC Leg Element #1	1
D972214	A	BSC Leg Element #2	1
D972215	B	BSC Leg Element #3	1
D972216	A	Isolation Stack Shim -1 Shim, Nominal -3 Shim, 1/8 Under Nominal -5 Shim, 1/8 Over Nominal	1
D972217	B	BSC Leg Location & Assembly Pins -1 BSC Leg Screw 1 -3 BSC Leg Screw 2 -5 BSC Leg Screw 3 -7 BSC Locating Pin -9 BSC Safety Pin	1
D972219	00	Coil Spring Seat	1



DOCUMENT CHANGE NOTICE

CHANGE DESCRIPTION (FROM/TO):

Drawing Number	Revision	Title	No. Sheets
D9723xx BSC Miscellaneous			
D9724xx BSC Test & Assembly Fixturing			
D972417	A	BSC Pier Optics Plate	1
D972418	A	Pier Adapter Plate Mounting Clamp	1
D9725xx HAM Top Assembly			
D972501	00	HAM Top Assembly	5
D9726xx HAM Structure			
D972609	C	HAM Support Pier -1 for Hanford Site -3 for Livingston Site	1
D972610	C	HAM Support Tube Weldment	1
D972611	D	HAM Expansion Bellows	1
D972612	C	HAM Crossbeam Weldment	2
D972613	B	HAM Support Tube Mounting Base	1
D972614	B	HAM Support Tube Mounting Cap	1
D972615	B	HAM Spherical Bearing	1
D9727xx HAM Isolation Stack			
D972701	A	HAM Isolation Stack Leg Assembly	1
D972710	E	HAM Optical Table Weldment	3
D972711	C	HAM Support Table Weldment	2
D972712	B	HAM Leg Element #1	1
D972713	B	HAM Leg Element #2	1
D972714	A	Isolation Stack Flourel Shim	1
D972715	A	HAM Leg Location & Assembly Pins -1 HAM Leg Screw 1 -3 HAM Leg Screw 2 -5 HAM Safety Pin -7 HAM Locating Pin	1



DOCUMENT CHANGE NOTICE

CHANGE DESCRIPTION (FROM/TO):

Drawing Number	Revision	Title	No. Sheets
D9728xx HAM Miscellaneous			
D9729xx HAM Test & Assembly Fixturing			
D972904	B	Pier Plate Adapter	1
D972905	A	HAM Adapter Plate: Optics Plate	1