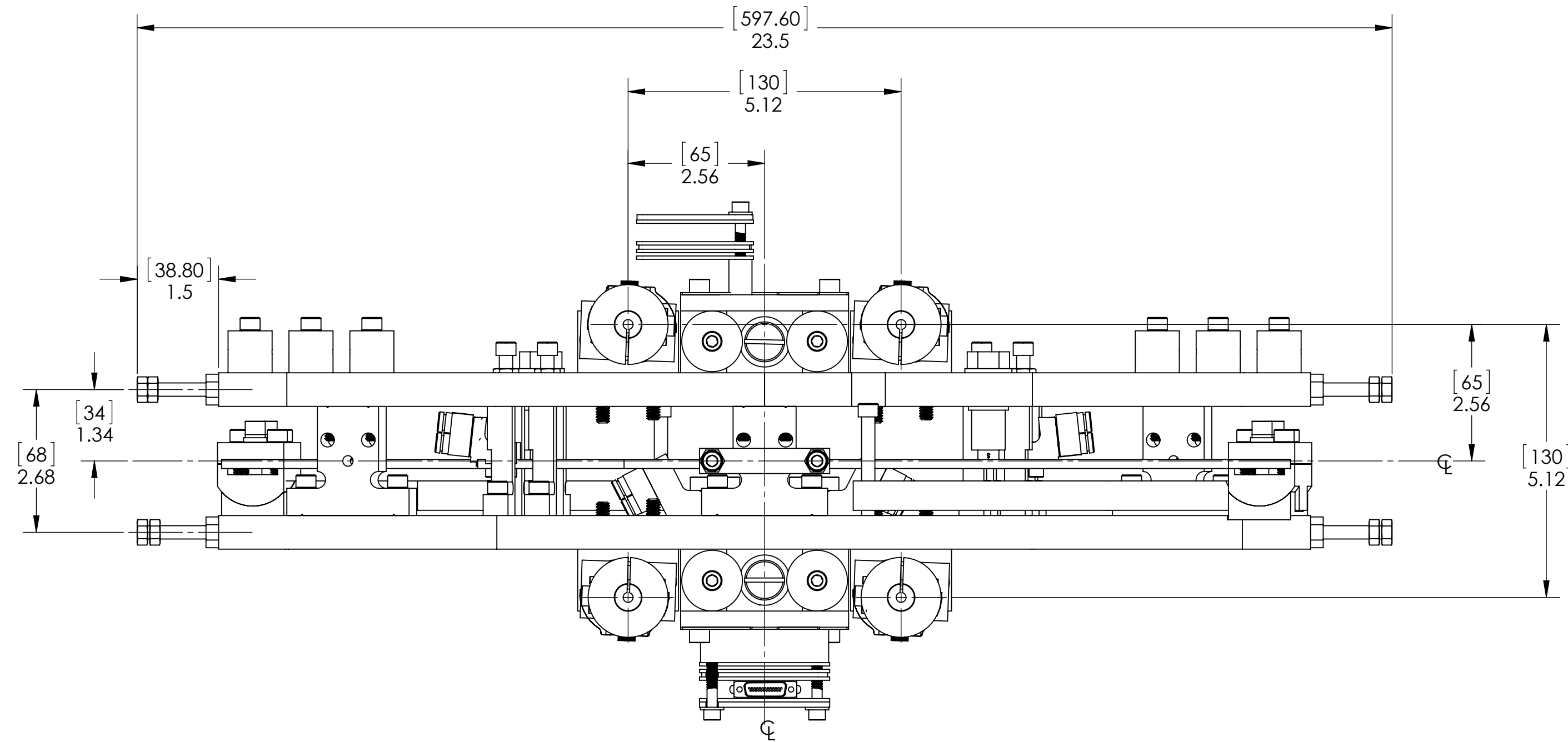


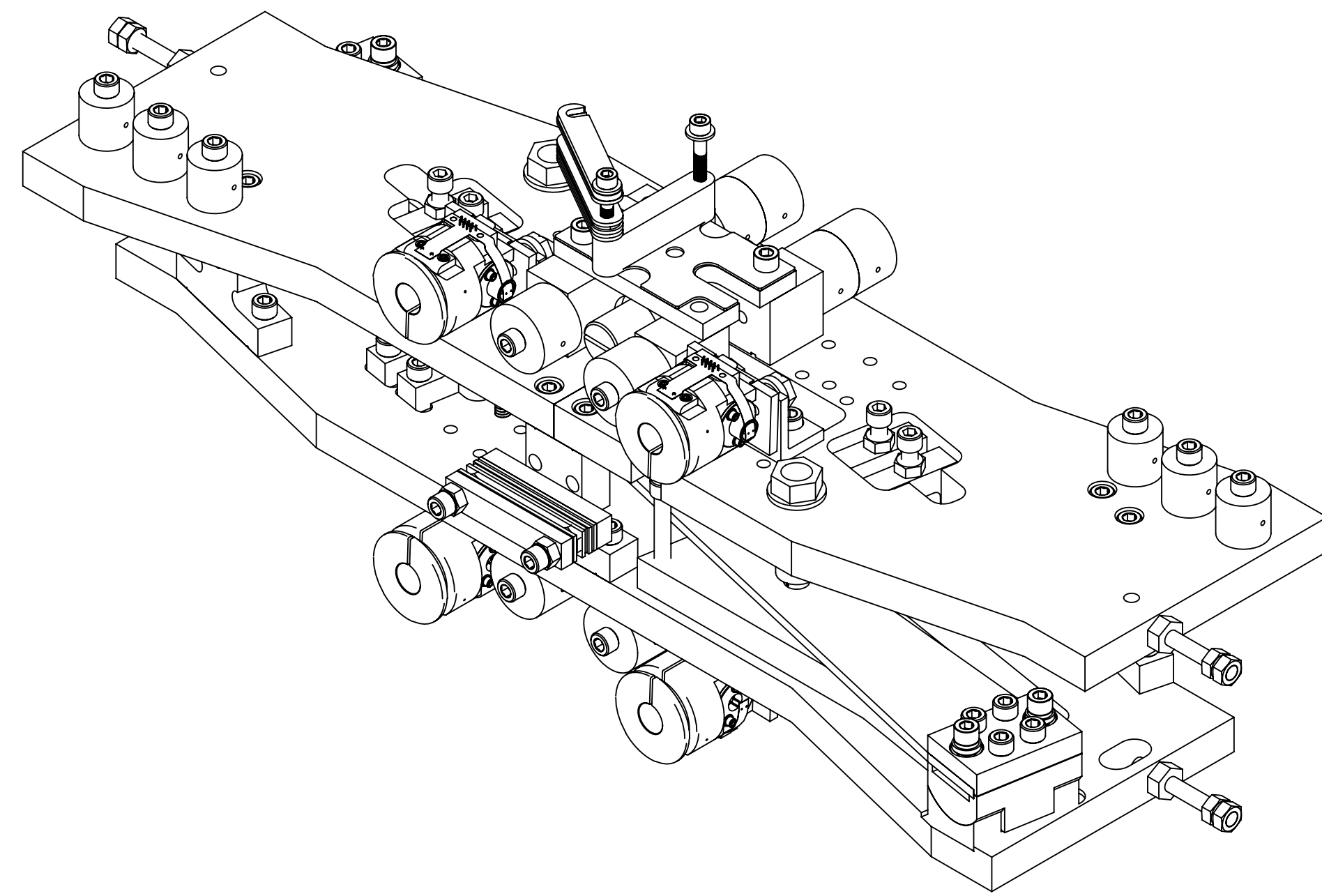
UI MASS - REACTION CHAIN

(SEE D060375 FOR ASSEMBLY PROCESS)

REV.	DATE	DCN #	DRAWING TREE #
v1	08 JAN 2014	-	-
v2	01 OCT 2014	E1300970-x0	-
-	-	-	-



UI MASS - REACTION CHAIN WITH REF. DIMS



ISO VIEW

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY
33	1185-4EN375 EMHART OR EQ.	HELICOIL, 1/4-20 X .375 LG.	NITRONIC 60	22
32	1185-4EN250 EMHART OR EQ.	HELICOIL, 1/4-20 X .25 LG.	NITRONIC 60	4
31	N-2520-A UC COMPONENTS OR EQ.	HEX NUT, 1/4-20 UNC, Ag PLATED	304, 316 OR 302 SSSL	12
30		SCREW, SHC, 1/4-20 X 2.00, ROUNDED END	300 SSSL	6
29	C-2032-NA UC COMPONENTS OR EQ.	SHCS, 1/4-20 X 2" LG., Ag PLATED	Ag-PLATED 300 SSSL	8
28	C-2032-N UC COMPONENTS OR EQ.	SHCS, 1/4-20 X 2" L, 18-8 SSSL	18-8 SSSL	4
27	C-2032-N UC COMPONENTS OR EQ.	SCREW, SHC, 1/4-20 X 1-1/4, 18-8 SST	Ag-PLATED 300 SSSL	4
26	C-2016-NA UC COMPONENTS OR EQ.	SCREW, SHC, 1/4-20 X 1.0 LG, Ag PLATED	Ag-PLATED 300 SSSL	42
25	92158A367 McMASTER-CARR OR EQ.	SET SCREW 10-32 X .187 LG	316 SSSL	2
24	91944A028 McMASTER-CARR OR EQ.	LEVELING WASHER, 1/4" SCREW SIZE	18-8 SSSL	4
23	D1100785-375	WASHER, FLAT, .25 X .375 O.D.	NITRONIC 60	4
22	D1101081	QUAD UIM MASS, αLIGO SUS	304 SSSL	2
21	D1101080	QUAD UIM PITCH ADJUSTER	316 SSSL	2
20	D060380	αLIGO, SUS, QUAD N-PTYPE UI MASS, BLADE CLAMP (TOP HALF)	304 SSSL	2
19	D060359-100	MASS, αLIGO SUS, 100g	316 SSSL	12
18	D060359-050	αLIGO, SUS, QUAD N-PTYPE, ADDITIONAL MASS, 50 G	304 SSSL	6
17	D060237	QUAD UI MASS, BOTTOM BLADE SPRING, αLIGO SUS	MARAGING STEEL C250	2
16	D0901344	10 MM DIA X 10 MM MAGNET	NEO 35 (NdFeB)	2
15	D070549	αLIGO, SUS, ETM/ITM LOWER STRUCTURE, UIM EARTHQUAKE STOP	304/316 S.ST	4
14	D070225	αLIGO, SUS, QUAD WIRING HARNESS, WIRE CLAMP	N/A	1
13	D070221	ALIGO, SUS, QUAD NPTYPE WIRING HARNESS, UIM MASS TOP WIRE CLAMP ASSY.	N/A	1
12	D070218	ALIGO, SUS, QUAD, WIRING HARNESS, MASS WIRE CLAMP	N/A	1
11	D060422	αLIGO, SUS, QUAD UI MASS, WIRE CLAMP	N/A	2
10	D060399	αLIGO, SUS, QUAD TOP MASS N-PTYPE, STOP BRIDGE	6061-T6 Al	4
9	D1101079	QUAD UIM PITCH ADJUSTER TURRET, αLIGO SUS	6061-T6 Al	2
8	D060397	αLIGO, SUS, TOP MASS QUAD N-PTYPE, TOP MASS SPACER	304 SSSL	4
7	D060387	αLIGO SUS, UIM OSEM MOUNT	N/A	4
6	D060382	αLIGO, SUS, QUAD N-PTYPE UI MASS, UI MASS TOP PLATE	6061-T6 Al	2
5	D060384	QUAD N-PTYPE UI MASS, MIDDLE WIRE CLAMP, αLIGO SUS	N/A	2
4	D060381	αLIGO, SUS, UI MASS QUAD N-PTYPE, UI MASS BLADE ECD	OFHC COPPER	2
3	D060378	αLIGO, SUS, QUAD N-PTYPE UI MASS, BLADE TIP Z POSITION ADJ (BTM HALF)	304, 316 OR 302 SSSL	2
2	D060377	αLIGO, SUS, QUAD N-PTYPE UI MASS, BLADE TIP Z POSITION ADJ (BTM HALF PART 2)	6061-T6 Al	2
1	D060376	αLIGO, SUS, Quad N-PTYPE UI MASS, MASS BASE PLATE	6061-T6 Al	1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES [MM]

MATERIAL N/A

FINISH N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY D060375

PART NAME αLIGO, SUS, QUAD UI MASS, REACTION CHAIN

DESIGNER M.HILLARD 12 Dec 2011 SIZE DWG. NO. D1101129 REV. v2

DRAFTER E.SANCHEZ 08 JAN 2014 CHECKER SEE DCC SEE DCC APPROVAL SEE DCC SEE DCC SCALE: 1:2 PROJECTION: SHEET 1 OF 1

Drawing On V/Q TV.