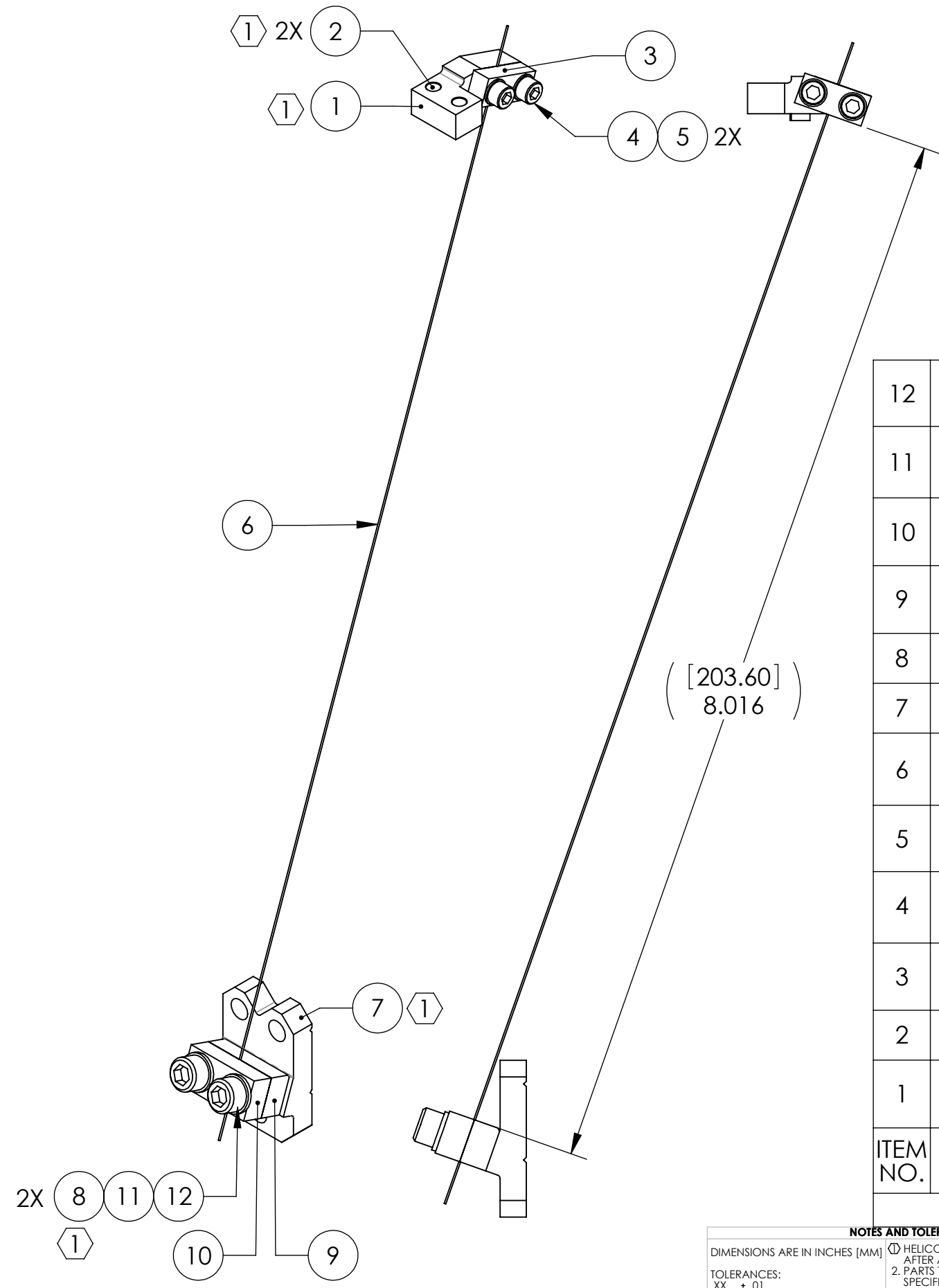


D070393_Advanced_LIGO_SUS_HLTS_Intermediate_Wire_Assembly, PART PDM REV: V1-000, DRAWING PDM REV: V1-000

REV.	DATE	DCN #	DRAWING TREE #
v1	24 JUN 2009	E0900176	E080191
v2	09 DEC 2010	E1000849	E080191
-	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
12	-	WASHER, FLAT, VENTED, #8 (U-C COMPONENTS P/N WFV-08 OR EQUIVALENT)	300 SSTL	2	1	3
11	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.625 LONG	300 SSTL	2	1	3
10	D070406	LOWER CLAMP, INT. WIRE, OUTSIDE	304, 316 OR 302 SSTL	1	0	1
9	D070405	LOWER CLAMP, INT. WIRE, INSIDE	304, 316 OR 302 SSTL	1	0	1
8	1185-2EN164	HELICOIL, #8-32 X 0.164 LONG (1)	NITRONIC 60	2	2	4
7	D030149	BREAKOFF, INT. WIRE (1)	6061-T6 Al	1	0	1
6	-	INTERMEDIATE WIRE (Ø 0.0134)	STEEL MUSIC WIRE	A/R	0	0
5	-	WASHER, FLAT, VENTED, #4 (U-C COMPONENTS P/N WFV-04 OR EQUIVALENT)	300 SSTL	2	1	3
4	-	SCREW, SOCKET HEAD CAP, #4-40 UNC-2A X 0.375 LONG	Ag-PLATED 300 SSTL	2	1	3
3	D070394	UPPER CLAMP, INT. WIRE, OUTSIDE	304, 316 OR 302 SSTL	1	0	1
2	1185-04EN224	HELICOIL, #4-40 X 0.224 LONG (1)	NITRONIC 60	2	2	4
1	D070585	UPPER CLAMP, INT. WIRE, INSIDE (1)	304, 316 OR 302 SSTL	1	0	1

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)
 DIMENSIONS ARE IN INCHES [MM]
 TOLERANCES:
 .XX ± .01
 .XXX ± .005
 ANGULAR ± 0.5°
 (1) HELICOILS TO BE INSTALLED INTO ITEM NO. 1 AND ITEM NO. 7 BY LIGO AFTER ALL PARTS ARE CLEANED AND BAKED.
 2. PARTS TO BE ASSEMBLED ACCORDING TO E080208 HLTS ASSEMBLY SPECIFICATION, USING D0900630 HLTS INTERMEDIATE WIRE JIG.

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME INTERMEDIATE WIRE ASSY	
SYSTEM ADVANCED LIGO	SUB-SYSTEM SUS	DESIGNER D. BRIDGES	DATE 10 OCT 2008
DRAFTER D. BRIDGES	CHECKER B. MOORE	DATE 09 DEC 2010	DATE 10 DEC 2010
MATERIAL N/A	FINISH N/A µinch	SCALE 1:1	PROJECTION
NEXT ASSY HLTS SUSPENSION ASSY	APPROVAL	SIZE DWG. NO. B D070393	REV. v2
SHEET 1 OF 1			1