

REV.	DATE	DCN #	DRAWING TREE #
v1	07 JAN 2011		
v2	30 JAN 2011		
v3	09 FEB 2011	E1100099	

NOTES CONTINUED:

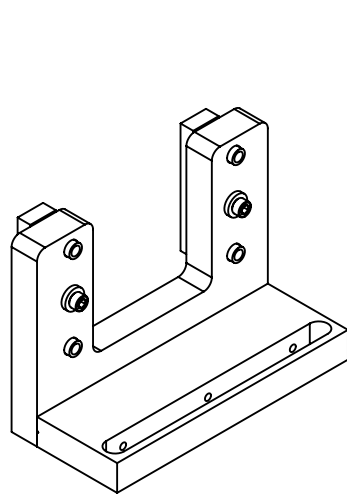
5 SCRIBE, ENGRAVE, LASER MARK OR MECHANICALLY STAMP (NO DYES OR INKS) A UNIQUE THREE DIGIT SERIAL NUMBER & REVISION NUMBER ON EACH PART. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. BAG AND TAG PARTS WITH THEIR DRAWING PART NUMBER, REVISION, VARIANT OR "TYPE" (IF APPLICABLE), AND QUANTITY. IF PARTS ARE TOO SMALL TO SCRIBE, BAGGING AND TAGGING ALONE IS SUFFICIENT.

EXAMPLE (PART): 001-v1
EXAMPLE (TAG): DXXXXXX-VY, TYPE-XX, QTY: TBD

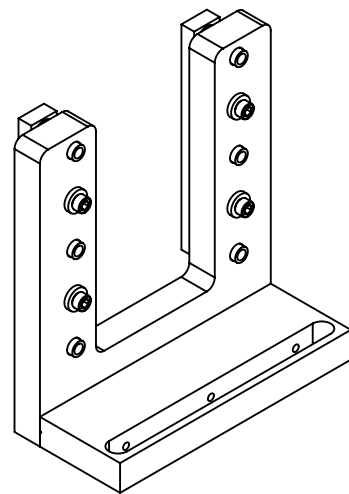
6. APPROXIMATE WEIGHT: SEE FIELD OF DRAWING.

7. ALL HELI-COIL HOLES TO BE PREPARED ACCORDING TO EMHART HELI-COIL PRODUCT CATALOG, HC2000, REV 4

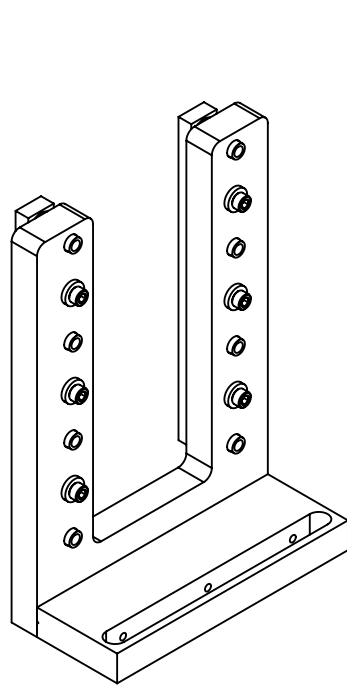
8. ALL HELI-COIL INSERTS TO BE INSTALLED BY LIGO PERSONNEL,
AFTER DELIVERY OF FINISHED PARTS, USE NITRONIC 60 THREADED INSERTS.



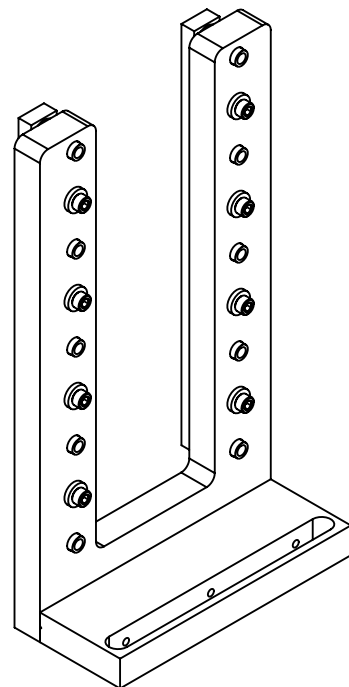
D1001346-1
WEIGHT: .33 LBS



D1001346-2
WEIGHT: .41LBS

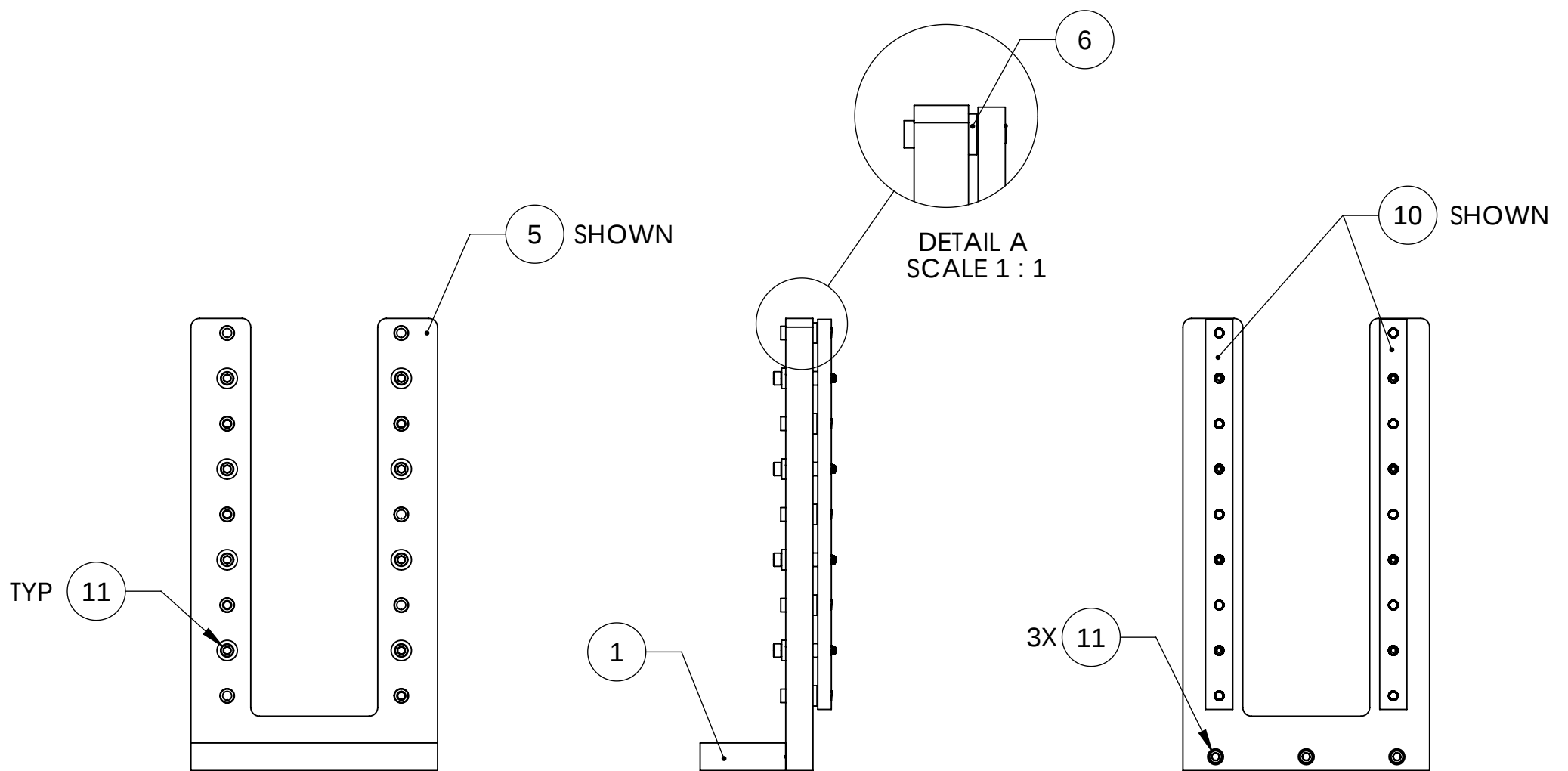


D1001346-3
WEIGHT: .50 LBS



D1001346-4
WEIGHT: .58 LBS

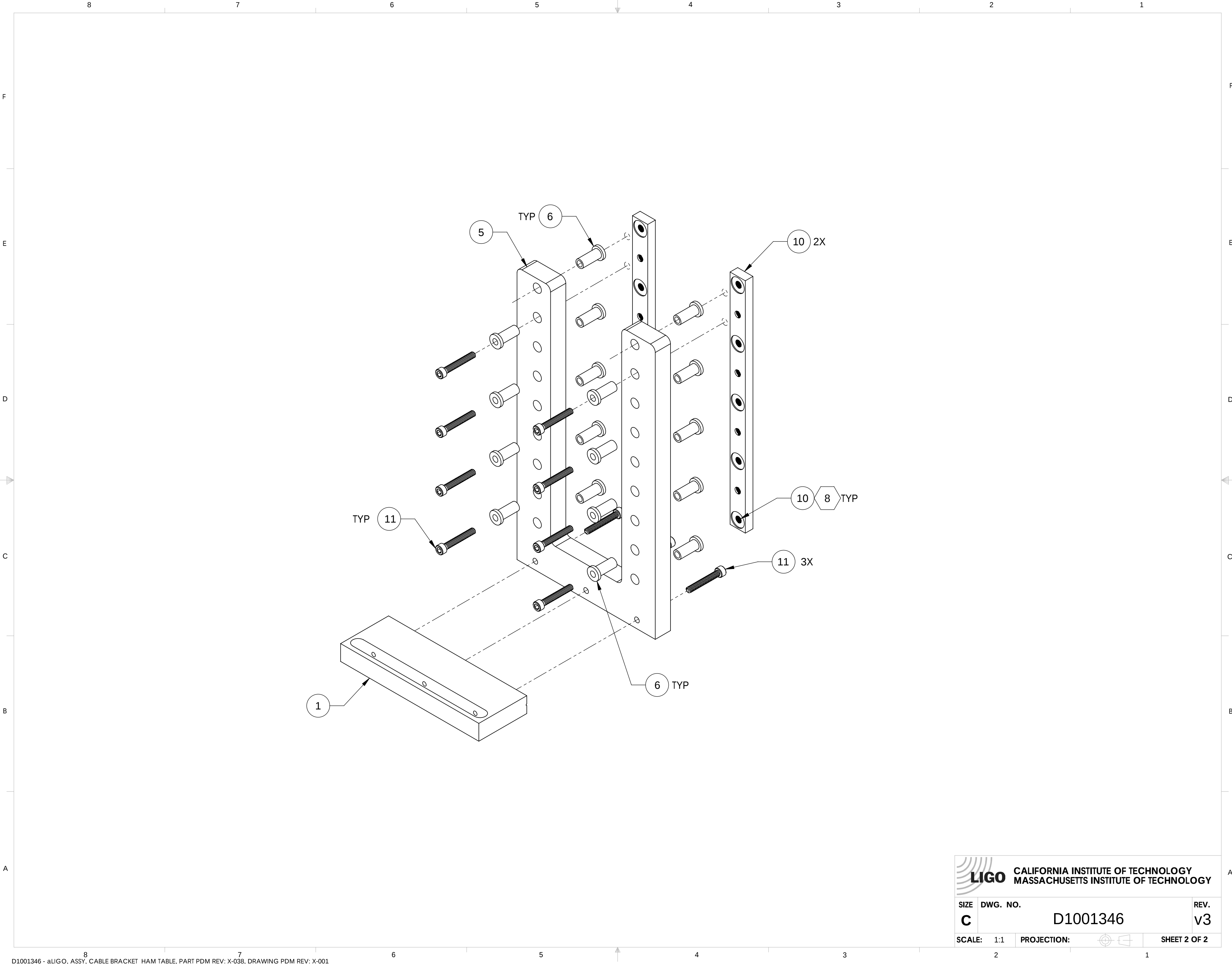
REFERENCE VIEWS
SCALE: NONE



8	12	6	10	14	18	1185-04EN-168	INSERT, 4-40 UNC X.168 NITRONIC 60	HELI-COIL
	11	5	7	9	11	C-414-N	SHCS 4-40 x .88 Long, U-C COMPONENTS	ALL CONFIGS
	10	-	-	-	2	D1001345-4	aLIGO, CABLE BRACKET NUTPLATE	5-Port
	9	-	-	2	-	D1001345-3	aLIGO, CABLE BRACKET NUTPLATE	4-Port
	8	-	2	-	-	D1001345-2	aLIGO, CABLE BRACKET NUTPLATE	3-Port
	7	2	-	-	-	D1001345-1	aLIGO, CABLE BRACKET NUTPLATE	2-Port
	6	6	10	14	18	D1001344	aLIGO, CABLE BRACKET SCREW INSULATOR	ALL CONFIGS
	5	-	-	-	1	D1001343	aLIGO, CABLE BRACKET UPRIGHT	5-Port
	4	-	-	1	-	D1001343-3	aLIGO, CABLE BRACKET UPRIGHT	4-Port
	3	-	1	-	-	D1001343-2	aLIGO, CABLE BRACKET UPRIGHT	3-Port
	2	1	-	-	-	D1001343-1	aLIGO, CABLE BRACKET UPRIGHT	2-Port
	1	1	1	1	1	D1001342-1	aLIGO, CABLE BRACKET, BASEPLATE HAM	ALL CONFIGS
	ITEM NO.	-1 QTY.	-2 QTY.	-3 QTY.	-4 QTY.	PART NUMBER	DESCRIPTION	CONFIGURATION
	BOM Table							

DIMENSIONS ARE IN INCHES			LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			PART NAME											
TOLERANCES: .XX ± N/A .XXX ± N/A						aLIGO, ASSY, CABLE BRACKET, HAM TABLE											
ANGULAR ± N/A °						DESIGNER J. DAVIS 21 MAY 2010 DRAFTER J. DAVIS 26 MAY 2010 CHECKER S. SHANKLE 30 JAN 2011 APPROVAL											
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)			SYSTEM			SUB-SYSTEM			SIZE			DWG. NO.			REV.		
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.			ADVANCED LIGO			SYS			c			D1001346			v3		
MATERIAL			FINISH			NEXT ASSY			SCALE: 1:2			PROJECTION:			SHEET 1 OF 2		
N/A			N/A 0.001 inch			D1000577											

8	12	6	10	14	18	1185-04EN-168	INSERT, 4-40 UNC X.168 NITRONIC 60	HELI-COIL
	11	5	7	9	11	C-414-N	SHCS 4-40 x .88 Long, U-C COMPONENTS	ALL CONFIGS
	10	-	-	-	2	D1001345-4	aLIGO, CABLE BRACKET NUTPLATE	5-Port
	9	-	-	2	-	D1001345-3	aLIGO, CABLE BRACKET NUTPLATE	4-Port
	8	-	2	-	-	D1001345-2	aLIGO, CABLE BRACKET NUTPLATE	3-Port
	7	2	-	-	-	D1001345-1	aLIGO, CABLE BRACKET NUTPLATE	2-Port
	6	6	10	14	18	D1001344	aLIGO, CABLE BRACKET SCREW INSULATOR	ALL CONFIGS
	5	-	-	-	1	D1001343	aLIGO, CABLE BRACKET UPRIGHT	5-Port
	4	-	-	1	-	D1001343-3	aLIGO, CABLE BRACKET UPRIGHT	4-Port
	3	-	1	-	-	D1001343-2	aLIGO, CABLE BRACKET UPRIGHT	3-Port
	2	1	-	-	-	D1001343-1	aLIGO, CABLE BRACKET UPRIGHT	2-Port
	1	1	1	1	1	D1001342-1	aLIGO, CABLE BRACKET, BASEPLATE HAM	ALL CONFIGS
	ITEM NO.	-1 QTY.	-2 QTY.	-3 QTY.	-4 QTY.	PART NUMBER	DESCRIPTION	CONFIGURATION
	BOM Table							



 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE C	DWG. NO. D1001346	REV. v3
SCALE: 1:1	PROJECTION: 	SHEET 2 OF 2