NOTES CONTINUED:

SCRIBE, ENGRAVE, 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): DXXXXXXX-VY, TYPE-XX, QTY: TBD

- 6. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.
- 7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
- 8 BRAID OF ITEM 5 MUST BE CONNECTED TO PIN 1 AND BACK SHELL OF CONNECTORS J10, AND J11 USING AN ELECTRICALLY CONDUCTIVE AND VACUUM COMPATIBLE MATERIAL .(SEE LIGO SPEC. E0900364)
- 9. ITEM 6, MUST BE CLAMPED UNTO THE BACKSHELL OF J10 AND J11 WITH A VACUUM COMPATIBLE MATERIAL. (SEE LIGO SPEC. E0900364)
- 10. ALL JOINTS SHOULD BE CRIMPED, NO OTHER FORM OF JOINT IS ALLOWED WITHOUT THE APPROVAL OF LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY.

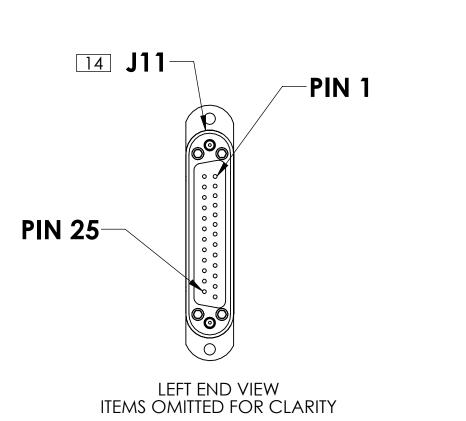
11. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NOT WELD REPAIRS OR PLUGS UNLESS APPROVED IN ADVANCE IN WRITING BY LIGO, REFER TO LIGO-E0900364.

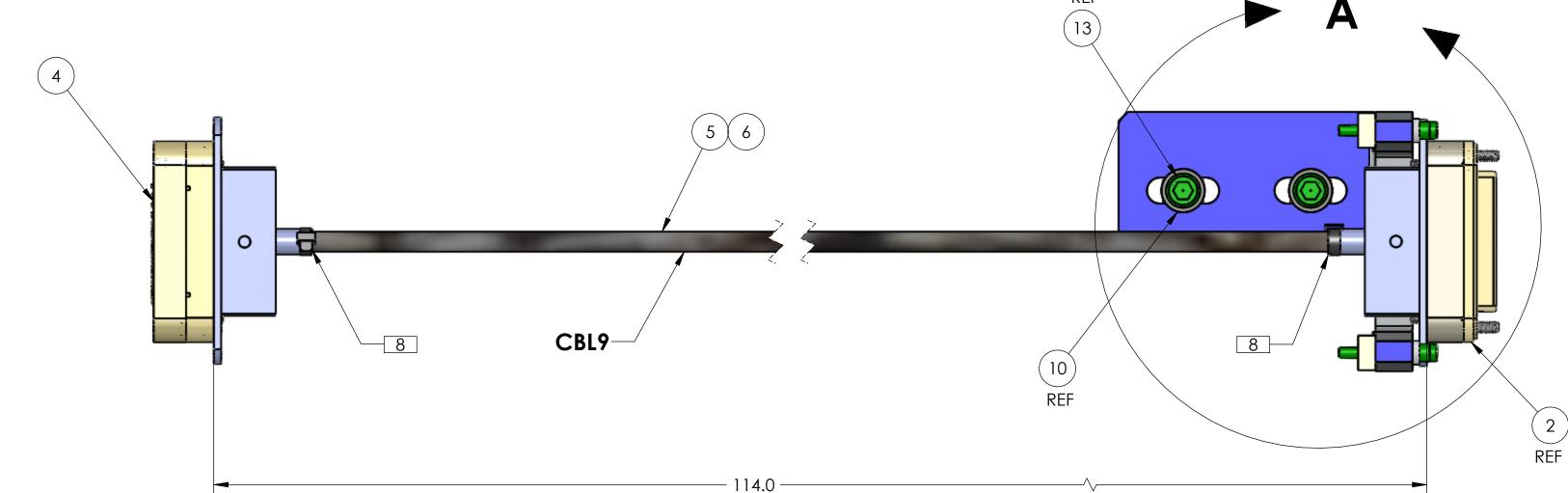
12. NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. IN GENERAL WELD REPAIRS AND PRESS FIT INSERT REPAIRS ARE NEVER ACCEPTABLE; THE MATERIAL SHOULD BE MADE WITH VIRGIN MATERIAL. SPECIAL CIRCUMSTANCES CAN BE REVIEWED IF / WHEN BROUGHT TO THE ATTENTION OF LIGO CONTRACTING OFFICER'S REPRESENTITIVE (COTR) THROUGH A MATERIAL REVIEW BOARD (MRB) PROCESS, REFER TO LIGO-E0900364.

13 MATES TO J9 OF ASSY D1001520

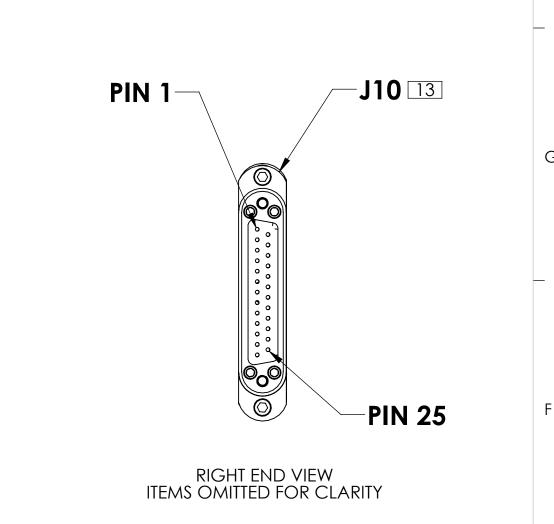
14 MATES IN-VACUUM TO SEI CABLE ASSEMBLY

15 VENDOR ASSIGNED AGGREGATE PART NUMBER 6-100004

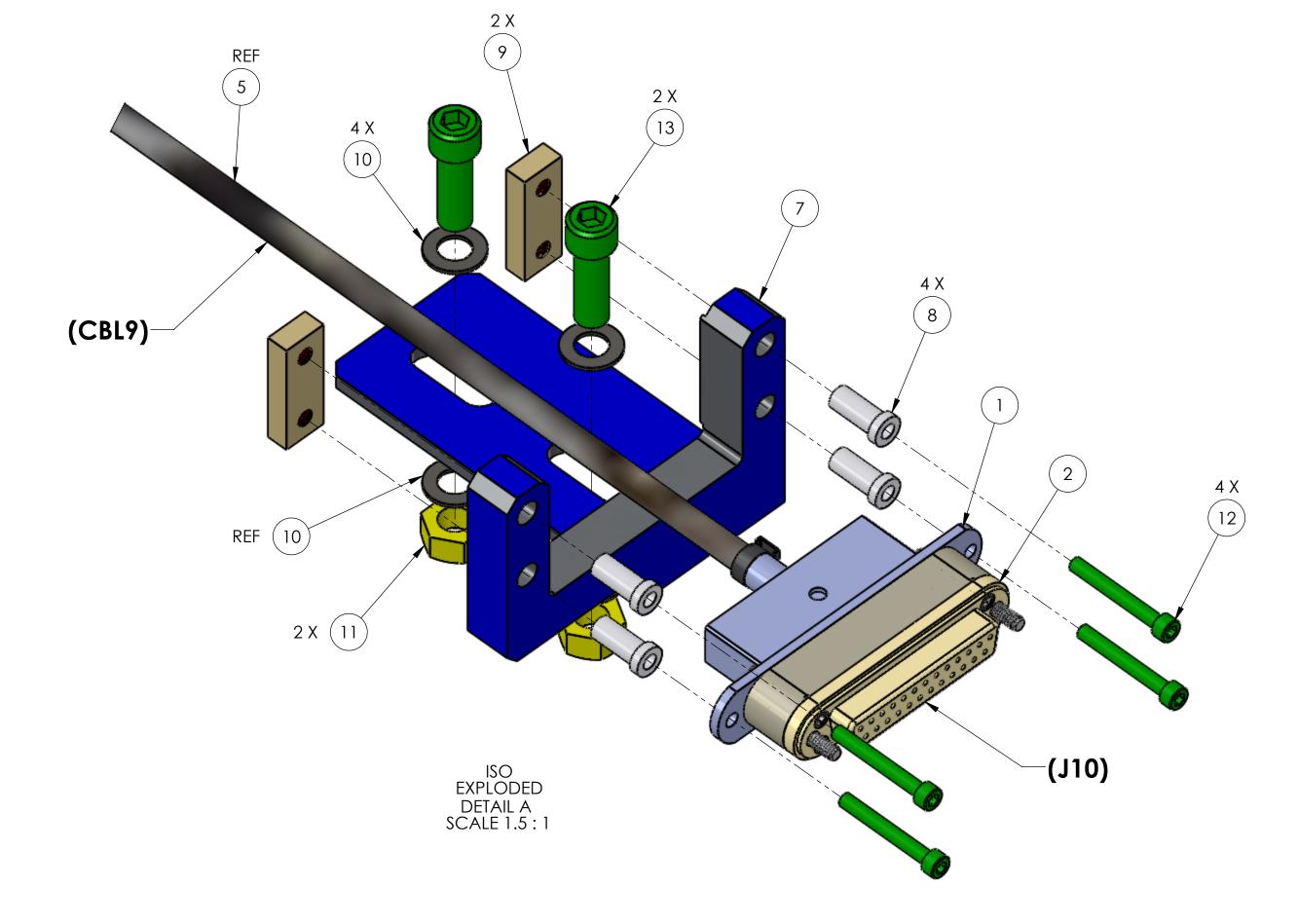




REV.	DATE	DCN #	DRAWING TREE #
v 1	8-Aug-2010	-	-
v2	13-OCT-2010	-	_
v 3	3-NOV-2010	E1000700-v2	E1000699-v2
v 4	03-DEC-2010	E1000700-v3	E1000699-v3
v 5	07-DEC-2010	E1000700-v4	E1000699-v4



TERMINAL BLK TO FLANGE CIRCUIT SUMMARY							
TWISTED PAIR (CBL9)	CONDUCTOR WIRE I.D.	FROM (J10)	TO (J11)				
CONDUCTOR SHIELD	CBL-SHIELD (CBL1 & CBL2)	PIN 1 & SHELL	PIN 1 & SHELL				
TP-1A	W2	PIN 2	PIN 2				
TP-1B	W14	PIN 14	PIN 14				
TP-2A	W3	PIN 3	PIN 3				
TP-2B	W15	PIN 15	PIN 15				
TP-3A	W4	PIN 4	PIN 4				
TP-3B	W16	PIN 16	PIN 16				
TP-4A	W5	PIN 5	PIN 5				
TP-4B	W17	PIN 17	PIN 17				
TP-5A	W6	PIN 6	PIN 6				
TP-5B	W18	PIN 18	PIN 18				
TP-6A	W7	PIN 7	PIN 7				
TP-6B	W19	PIN 19	PIN 19				
TP-7A	W8	PIN 8	PIN 8				
TP-7B	W20	PIN 20	PIN 20				
TP-8A	W9	PIN 9	PIN 9				
TP-8B	W21	PIN 21	PIN 21				
TP-9A	W10	PIN 10	PIN 10				
TP-9B	W22	PIN 22	PIN 22				
TP-10A	W11	PIN 11	PIN 11				
TP-10B	W23	PIN 23	PIN 23				
TP-11A	W12	PIN 12	PIN 12				
TP-11B	W24	PIN 24	PIN 24				
TP-12A	W13	PIN 13	PIN 13				
TP-12B	W25	PIN 25	PIN 25				



15	1	LIGO, CUSTOM	DB25 CONNECTOR BACK SHELL, VENT HOLE, FLANGED	STAINLESS STEEL	2	2
15	2	LIGO, CUSTOM	DB25 FEMALE CONNECTOR FOR UHV	PEEK	1	1
15	3	LIGO, CUSTOM	DB25 CONNECTOR BACKSHELL, VENT HOLE, FLANGED STAIN		1	1
15	4	LIGO CUSTOM	DB25 MALE CONNECTOR FOR UHV.	PEEK	1	1
8 15	5	112143	SHIELDED 12 TWISTED PAIR WIRE. ACCUGLASS	COPPER	9.5 FT	9.5 FT
	6	111167	PEEK BRAIDED SHIELD, .187IN ID.ACCU-GLASS	PEEK	9.5 FT	9.5 FT
	7	D1001756	aLIGO, TCS, UPPER CUSTOM CONNECTOR BRACKET	6061-T6	1	1
	8	D1002345	aLIGO, ELECTRICAL CONNECTOR BUSHING	Ceramic Porcelain	4	4
15	9	D1001345-1	aLIGO ELECTRICAL CONNECTOR NUT PLATE	PEEK	2	2
	10	WF-25-A	WASHER, FLAT, 1/4, .255 ID X .468 OD .032 THK	18-8 SSTL Ag PLATED	4	4
	11	N-2520-A	HEX NUT, 1/4-20. UC-COMPONENTS	18-8 SSTL Ag PLATED	2	2
	12	C-414-N	SSHC, #4-40 UNC-2A X 7/8 LG. UC-COMPONENT	18-8 SSTL	4	4
	13	C2012	SSHC, 1/4-20 UNC-2A X 3/4 LG, VENTED UC-COMPONENT	18-8 SSTL	2	2

								I / III LIOI			
	NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		JIIII CALIEOD	NIA INSTITUTE OF TE	CHNOLOCA	PART NAME					
DIMENSIONS ARE IN INCHES	1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN.			CHUSETTS INSTITUTE (CAE	BLE ASS	SY, TERMIN	AL BLK TO	UPPER (DAUÇ
TOLERANCES:	3. DO NOT SCALE FROM DRAWING.4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETI	C. FULLY WATER SOLUBLE	SYSTEM		SUB-SYSTEM	DESIGNER	A.Cole	10-Aug-2010 SIZE DWG	G. NO.		REV.
.XX ± .10 .XXX ±	AND FREE OF SULFUR, SILICONE, AND CHLORINE.	o,	ADVANO	CED LIGO	AOS	DRAFTER	A.Cole	11-Aug-2010	D100	11591	v 5
	MATERIAL	FINISH	NEXT ASSY		'	CHECKER	M.Jacobson	11-Aug-2010		IJZI	٧٥
ANGULAR ± °	N/A	N/A µinch	1	D1001517		APPROVAL	S.O'CONNOR	11-Aug-2010 SCALE : N(ONE PROJECTION :	A 1	SHEET 1 OF 1