SEE REFERENCE DCC# LIGO-D1100670 ISC TRANSMON PICOMOTOR CABLE **VACUUM FLANGE TO SEISMIC TABLE** V-DB25HD F/S1-108-DB25HD F/S1 STANDARD USE FOR THIS CABLE STANDARD USE **PICOMOTORS - FLANGE TO TOP** HAM2 FLANGE D4-3C2 to CB6, IO PICOMOTORS; HAM3 FLANGE D3-3C1 to CB3. IO PICOMOTORS.

CABLE 16 COND. 22 AWG (150/44), WITH PFA INSULATION COONER WIRE #CZ2205. 8 TWISTED PAIRS (4 TO 5 TWISTS PER INCH) OVERALL 40AWG COPPER BRAID SHIELD MIN. 50% COVERAGE - SUPPLIED BY LIGO. **OVERALL PEEK BRAID MIN. 50% COVERAGE.**

OVERALL CABLE O.D. ~ 0.260 IN.

CONNECTORS WILL BE SUPPLIED WITH HARDWARE. SCREWS SHOULD BE THE PROPER LENGTH FOR MATING.

f. PEEK BRAID - PEEK VICTREX GRADE TDS-450CA30 CARBON LOADED - SUPPLIED BY LIGO.

DIMENSIONS ARE IN

TOLERANCES:

ANGULAR ± °

.XX ±

.XXX ±

4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. Material <not specified>

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

3. DO NOT SCALE FROM DRAWING.

INTERPRET DRAWING PER ASME Y14.5-1994.

2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATLEY R.02 FOR SHEET METAL PARTS. SYSTEM LIGO **NEXT ASSY** μınch

PART NAME CALIFORNIA INSTITUTE OF TECHNOLOGY CUSTOM CABLE SPECIFICATION V25B-108 LIGO MASSACHUSETTS INSTITUTE OF TECHNOLOGY SUB-SYSTEM JUN/07/2012 SIZE DWG. NO. DESIGNER | R. ABBOTT ISC

E. BROWN

DRAFTER

CHECKER

APPROVAL

SHEET 1 OF 1

PROJECTION:

DRAWING TREE #

CONNECTOR

Conn. J1

SHELL

PIN 13

PIN 25

PIN 12

PIN 24

PIN 11

PIN 23

PIN 22

PIN 9

PIN 21

PIN 8

PIN 20

PIN 7

PIN 19

PIN 6

PIN 18

108 in

Conn. J2

SHELL

PIN 13

PIN 25

PIN 12

PIN 24

PIN 11

PIN 23

PIN 10

PIN 22

PIN 9

PIN 21

PIN 8

PIN 20

PIN 7

PIN 19

PIN 6

PIN 18