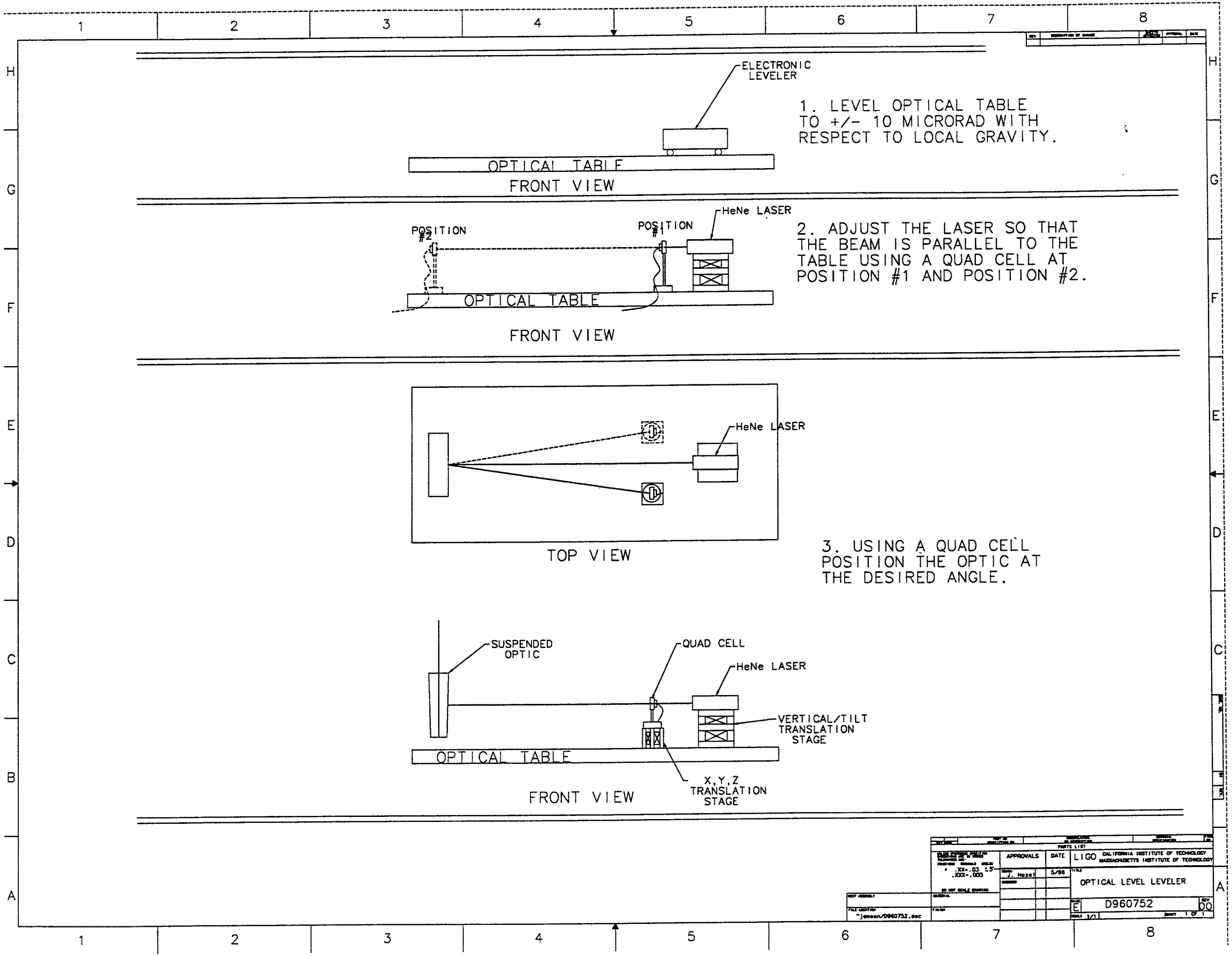
ELECTRONIC LEVELER
OPTICAL TABLE
FRONT VIEW
1. LEVEL OPTICAL TABLE TO +/- 10 MICRORAD WITH RESPECT TO LOCAL GRAVITY.
POSITION #2
POSITION #1
HeNe LASER
OPTICAL TABLE
FRONT VIEW
2. ADJUST THE LASER SO THAT THE BEAM IS PARALLEL TO THE TABLE USING A QUAD CELL AT POSITION #1 AND POSITION #2.
HeNe LASER
TOP VIEW
3. USING A QUAD CELL POSITION THE OPTIC AT THE DESIRED ANGLE.
SUSPENDED OPTIC
QUAD CELL
HeNe LASER
VERTICAL/TILT TRANSLATION STAGE
OPTICAL TABLE
X,Y,Z TRANSLATION STAGE
FRONT VIEW
PARTS LIST
APPROVALS
DATE
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
J. Hazel
5/96
OPTICAL LEVEL LEVELER
D960752
00
1/1
1 OF 1
~jensen/D960752.asc