OCT-30-1995 11:52 MIT GRAVITY GRP. 1 617 253 7014 P.03

TOTAL P.03

REV	DATE	DRWN	APPD	DESCRIPTION

NOTES:
1. HEADS ARE ASME F&D.
2. INCLUDE CENTERING PINS ON NOZZLE FLANGES WHERE APPROPRIATE.
3. VIEWPORT (ITEM (F)) MEASUREMENTS REFER TO INTERSECTION OF VIEWPORT AXIS WITH OUTER SURFACE OF VACUUM WALL.
4. TOLERANCES, UNLESS OTHERWISE SPECIFIED: LINEAR, ±0.25 CM ANGULAR, ± 1 DEGREE
5. NOZZLE SCHEDULE PER TABLE BELOW:

ITEM	SIZE	QUANTITY	FLANGE TYPE
(A)	21.3cm ID TUBE	2	O/O-O/METAL•
(B)	15.2cm ID TUBE	2	O/O-O/METAL•
(C)	38cm TUBE •••	1	CONFLAT••, WITH BLIND FLANGE
(D)	25cm OD TUBE•••	8	CONFLAT••, WITH BLIND FLANGE
(E)	30cm OD TUBE	4	CONFLAT••
(F)	20cm OD TUBE•••	10	CONFLAT••, WITH BLIND FLANGE
(G)	3.8cm TUBE	1	CONFLAT••, WITH BLIND FLANGE

• DUAL O-RING DESIGN. THESE FLANGES EACH INCLUDE AN ANNULAR CHANNEL BETWEEN O-RINGS, MANIFOLDED TO A SIN EACH CHAMBER, WITH CONFLAT•• SEAL.
•• REGISTERED TRADEMARK, VARIAN VACUUM PRODUCTS ARE ACCEPTIBLE
••• THESE FLANGES ARE TANGENT TO LOCAL VACUUM WA

HAM PORT RELOCATION

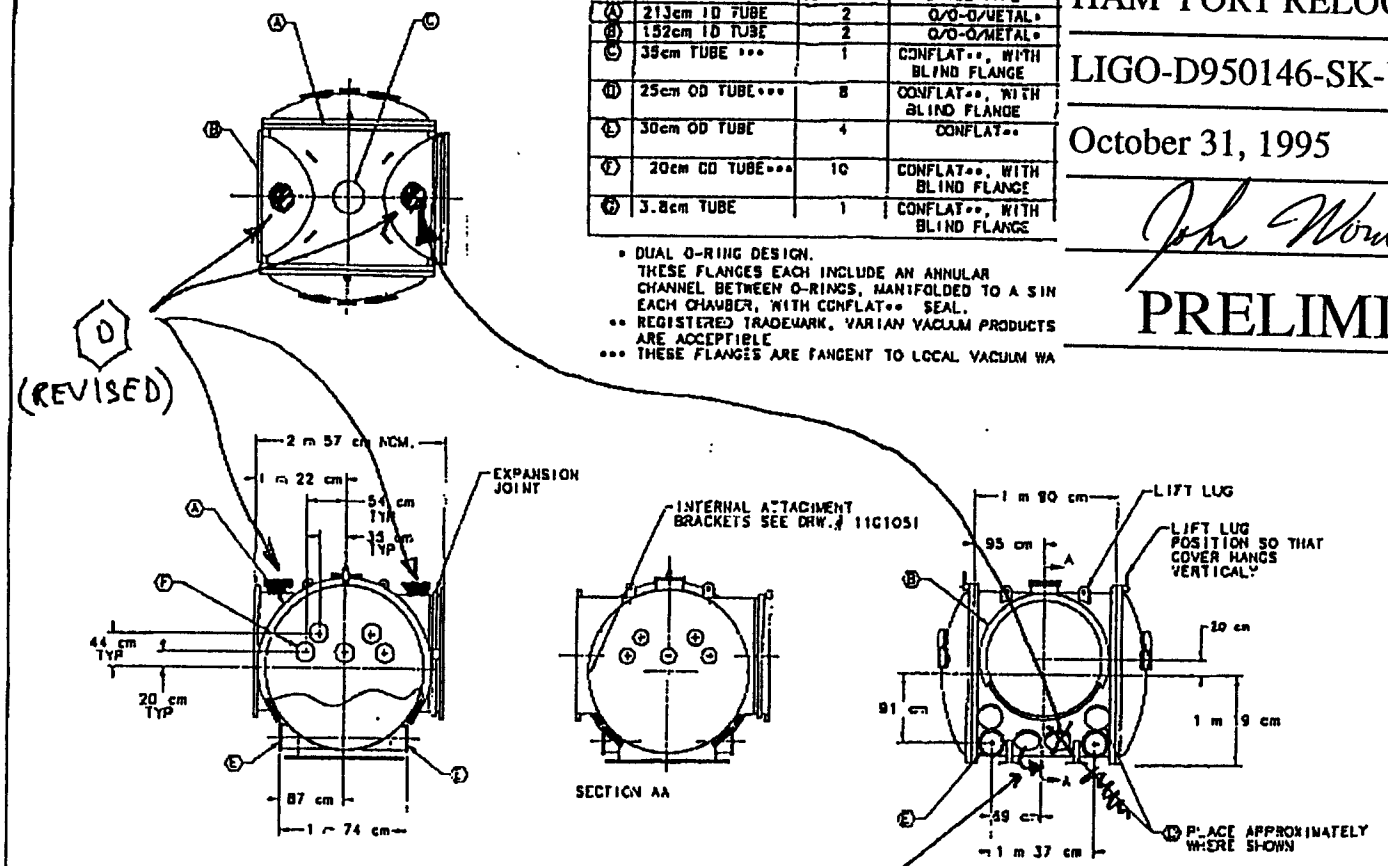
LIGO-D950146-SK-V

October 31, 1995

John Worden

PRELIMINARY

(D) (REVISED)



MOVE TO VERTICAL ℄

LIGO PROJECT

HORIZONTAL ACCESS MODULE (HAM)

MARKUP MES 10/30/95