LIGO-G950116-00-V

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Gravitation and Cosmology Research Group
Cambridge, Massachusetts 02139

MIT GRAVITY GRP. FAX #617-253-7014
CONFIRMATION # 617-253-4824

Facsimile Cover Sheet

DATE: 10/31 TIME: 12:50 (E.T.)

TO: Bob Spero FAX#:

ADDRESS:

NUMBER OF PAGES (including this cover sheet): 5

FROM: Mike Zucker OFFICE #: (617)253-8070

Massachusetts Institute of Technology
Room 20B-145
Cambridge, Massachusetts 02139

NOTES: URGENT pls. deliver to SCR for det. meeting (in progress)

Thanks,
Mike

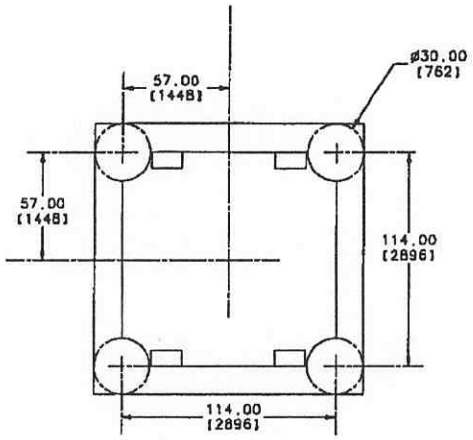
Detector-Vacuum Equipment Interface Issues

- Vessel features
  - ›› BSC work floors
  - ›› Internal attachment brackets
  - ›› SEI support penetrations
  - ›› "Final" port locations
    - — revisions due to TMC removal, end & mid sta. reductions
    - — revisions due to new design info/specific needs
    - — manufacturing considerations
- Stay-clear zones (static)
  - ›› Seismic isolation supports/adjustments/legs
  - ›› Electrical feedthrough access
  - ›› Optical port I/O (+ external optics platforms)
  - ›› Cable runs along/beneath chambers
  - ›› Feedthrough connector/cable

Detector-Vacuum Equipment Interface Issues

- Assembly & Access (dynamic): softwall cleanrooms
  - ››equipment & personnel flow
  - ››cleanroom internal space requirements
  - ››cover removal (e.g. access connector disassembly)
  - ››crane coverage, cleanroom penetrations

REV	DATE	DRWN	APPD	DCN/DESCRIPTION



LIGO BSC CHAMBER
DETECTOR EQUIPMENT
RESERVED SPACE

(PRELIMINARY)

MEZ 10/13/95