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| **AUTHOR(S)** | DATE | Document Change Notice, Release or Approval |
| Eric James  | 28 June, 2012 | see LIGO DCC record Status |

This document is intended to serve as a description of this assembly until a real assembly drawing can be made.



Figure : HAM Transceiver Pier Assembly. Shown with cover removed.

**Bill of Material**

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| --- | --- | --- | --- |
| Item | Part number | Description | Quant. |
| 1 | D1001854 | TRX Pier Weldment | 1 |
| 2 | D1000434 | Pier Footing | 1 |
| 3 | D1001627 | TRX Mounting Base | 1 |
| 4 | D1001620 | QPD Bracket | 1 |
| 5 | D1100290 | QPD Board Assembly | 1 |
| 6 |  | 15-pin M-M Cable, Photodiode Board | 1 |
| 7 | KSP-60-C1A-S05 | OptoSigma Rotary Stage | 1 |
| 8 | GOHT40A10-MO2 0600-S10 | OptoSigma Goniometer | 1 |
| 9 | SL38 | Newport Gimbol Mirror Mount | 1 |
| 10 |  | Pico Motors w/Cables | 2 |
| 11 | D1102242 | Transmitter Telescope Mount | 1 |
| 12 | D0901362-1 | Projection Telescope Assembly, Short | 1 |
| 13 | D1200463 | Transceiver Enclosure Assembly | 1 |
| 14 | D1200622 | 6-inch Reducer | 1 |
| 15 | CT-6 | Gortiflex 6" Rubber Bellows | 1 |
| 16 |  | 1/2-20 x 1.5" Hex head cap screw | 9 |
| 17 |  | 1/4-20 x 3/4" SHCS | 10 |
| 18 |  | 1/4-20 x 3" SHCS | 1 |
| 19 |  | #8-32 x 1/2" SHCS | 11 |
| 20 |  | #8 Flat Washer | 11 |
| 21 |  | M3 x 10 SHCS | 4 |
| 22 |  | M3 x 6 SHCS | 4 |
| 23 |  | #4-40 x 5/8" SHCS | 4 |
| 24 |  | 3" Band Clamp | 1 |
| 25 | 45945K37 | McMaster -Carr 6" Band Clamp | 2 |
| 26 | 92421A540 | McMaster -Carr 1/4-20 Brass Thumb Screw | 3 |
| 27 | 9600K62 | McMaster-Carr Rubber Grommet | 1 |
| 28 | F12 635S | Fermion Laser w/ 10m fiber | 1 |
| 29 | D1200461 | Laser Power Board | 1 |
| 30 | D1100013 | Whitening Chassis | 1 |
| 31 | D1101248 | Anti-aliasing Chassis | 1 |
| 32 |  | 9-pin M-F Cable, Anti-aliasing Chassis | 1 |
| 33 |  | BNC M-M Cable, Laser | 1 |
| 34 |  |  |  |
| 35 |  |  |  |



Figure : Telescope mounting hardware



Figure :Base plate details



Figure : Cover installed