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| **AUTHOR(S)** | DATE | Document Change Notice, Release or Approval |
| Eric James  | 26 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 : ITM/ETM Transmitter Pier Assembly. Shown with cover removed.

**Bill of Material**

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| --- | --- | --- | --- |
| Item | Part number | Description | Quant. |
| 1 | D1000452 | Pier Weldment | 1 |
| 2 | D1000434 | Pier Footing | 1 |
| 3 | D1001452 | TX Enclosure Base | 1 |
| 4 | D1000428 | TX Mounting Base | 1 |
| 5 | D1000502 | Height Tube | 1 |
| 6 | D1000509 | TX Mounting Plate | 1 |
| 7 | 126-6526 | OptoSigma Goniometer | 1 |
| 8 | 124-0090 | OptoSigma Rotary Stage | 1 |
| 9 |  | OptoSigma 70 mm Pitch-Yaw Adapter Plate | 1 |
| 10 | D1102243 | Transmitter Telescope Mount | 1 |
| 11 | D0901362 | Projection Telescope Assembly, Long | 1 |
| 12 | D1100209 | Transmitter Enclosure Assembly | 1 |
| 13 | D1200528 | 4-inch Reducer | 1 |
| 14 | CT-4 | Gortiflex 4" Rubber Bellows | 1 |
| 15 |  | 1/2-20 x 1.5" Hex head cap screw | 9 |
| 16 |  | 1/4-20 x 1" SHCS | 10 |
| 17 |  | 5/16-18 x 1: SHCS | 4 |
| 18 |  | 5/16 Flat Washer | 4 |
| 19 |  | 7/16-14 x 3" SHCS | 4 |
| 20 |  | M6 x 12 SHCS | 4 |
| 21 |  | M4 x 8 SHCS | 4 |
| 22 |  | 1/4-20 x 3" SHCS | 1 |
| 23 |  | 3" Band Clamp | 1 |
| 24 |  | #10-24 x 1/2" SHCS | 16 |
| 25 |  | #10 Flat Washer | 16 |
| 26 | 45945K35 | McMaster Carr 4" Band Clamp | 2 |
| 27 | 92421A540 | McMaster Carr 1/4-20 Brass Thumb Screw | 3 |
| 28 | 9600K62 | McMaster-Carr Rubber Grommet | 1 |
| 29 | F12 635S | Fermion Laser w/ 10m fiber | 1 |
| 30 | D1200461 | Laser Power Board | 1 |
| 31 | D1100013 | Whitening Chassis | 1 |
| 32 | D1101248 | Anti-aliasing Chassis | 1 |
| 33 |  | 9-pin M-F, Anti-aliasing Chassis Cable | 1 |
| 34 |  | BNC M-M, Laser Cable | 1 |
| 35 |  |  |  |



Figure : Telescope mounting hardware



Figure :Base plate details



Figure : Cover installed