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| **AUTHOR(S)** | DATE | Document Change Notice, Release or Approval |
| Eric James | 9 July, 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. Illustrations are of the right-hand version. The left-hand version is similar. B.O.M. callouts are correct for the left-hand version.

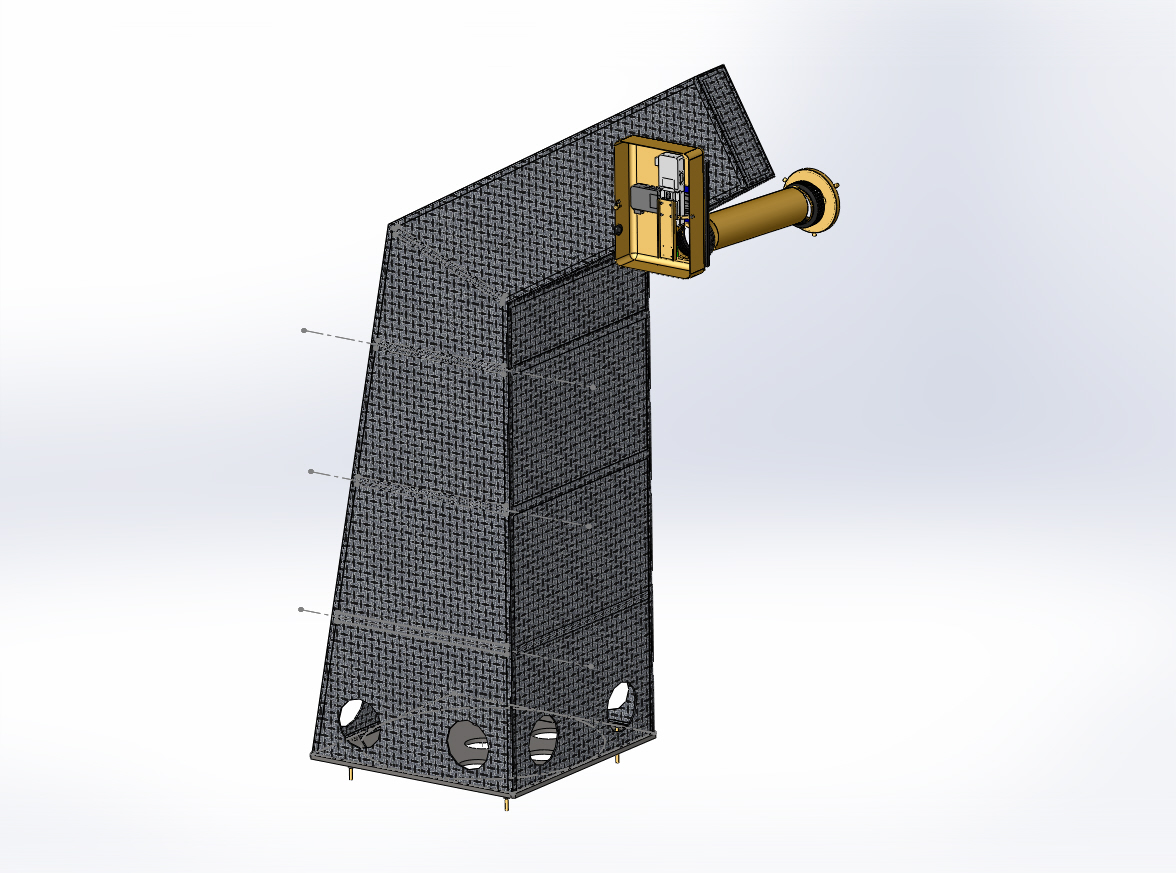


Figure : PR3 Receiver Pier Assembly. Right-hand giraffe shown with cover removed.

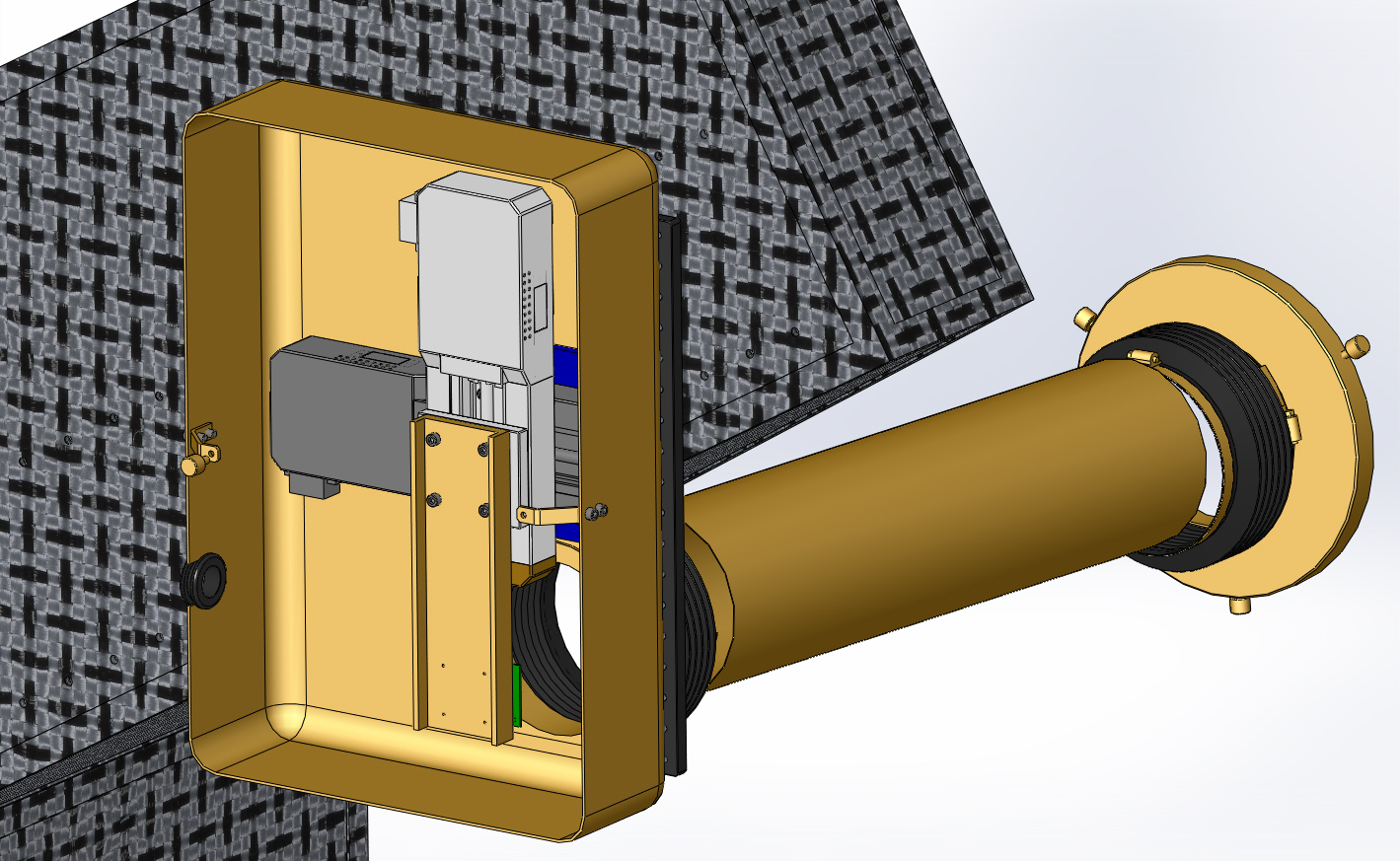


Figure : Close-up of Receiver with cover removed (right-hand version shown, left-hand version is similar).

**Bill of Material**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Part number | Description | Quant. |
| 1 | D1101802 | Pier "Giraffe" (right-hand version) | 1 |
| 2 | D1101823 | Pier Base Plate | 1 |
| 3 | D1101824 | Clamp | 3 |
| 4 | D1200819-101 | PR3/SR3 Rx Breadboard (LH version) | 1 |
| 5 | D1001510 | Stage Adapter | 1 |
| 6 | SGSP33-50 | OptoSigma X-Y Stage | 1 |
| 7 | D1100617 | PCB Carrier | 1 |
| 8 | D1200820 | QPD Support | 1 |
| 9 | D1100290 | QPD Board Assembly | 1 |
| 10 |  | 15-pin M-M, Photodiode Board Cable | 1 |
| 11 | D1200822 | Receiver Enclosure Assembly (LH) | 1 |
| 12 | D1200827 | Bellows Mounting Ring | 1 |
| 13 | D1200622 | 6-inch Reducer | 1 |
| 14 | CT-6 | Gortiflex 6" Rubber Bellows | 2 |
| 15 | 45945K37 | McMaster-Carr 6" Band Clamp | 4 |
| 16 | 2561K12 | McMaster-Carr 6" Dia. x 24" SS. Duct | 1 |
| 17 |  | 1/2-20 x 1.5" Hex head cap screw | 9 |
| 18 |  | 1/4-28 x 5/8" SHCS | 7 |
| 19 |  | 1/4-20 x 3/4" SHCS | 8 |
| 20 |  | M5 x 12 SHCS | 8 |
| 21 |  | M6 x 12 SHCS | 4 |
| 22 | 92421A540 | #4-40 x 5/8" SHCS | 4 |
| 23 |  | McMaster-Carr 1/4-20 x 3/4" Brass Thumb Screw | 3 |
| 24 |  |  |  |
| 25 |  |  |  |

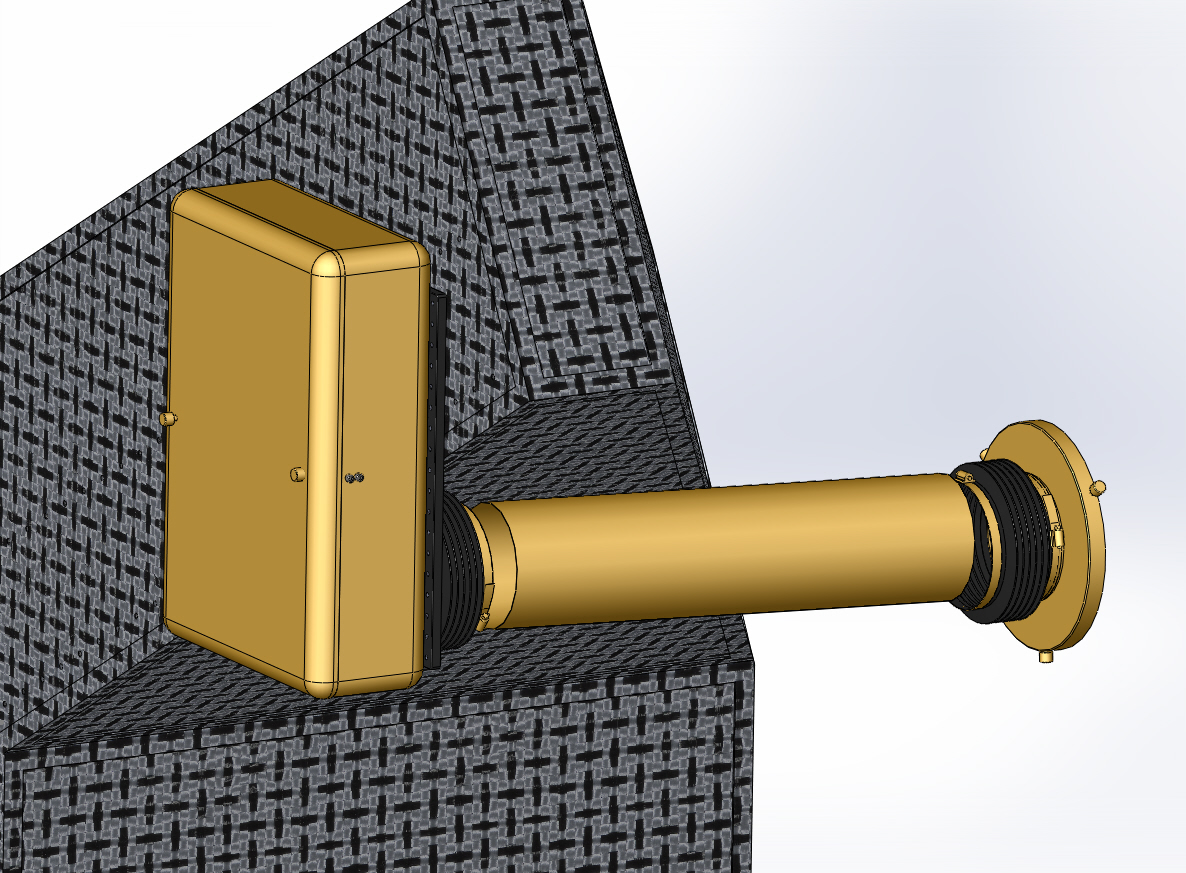


Figure : Optical Lever Receiver Enclosure(right-hand version shown, left-hand version is similar).

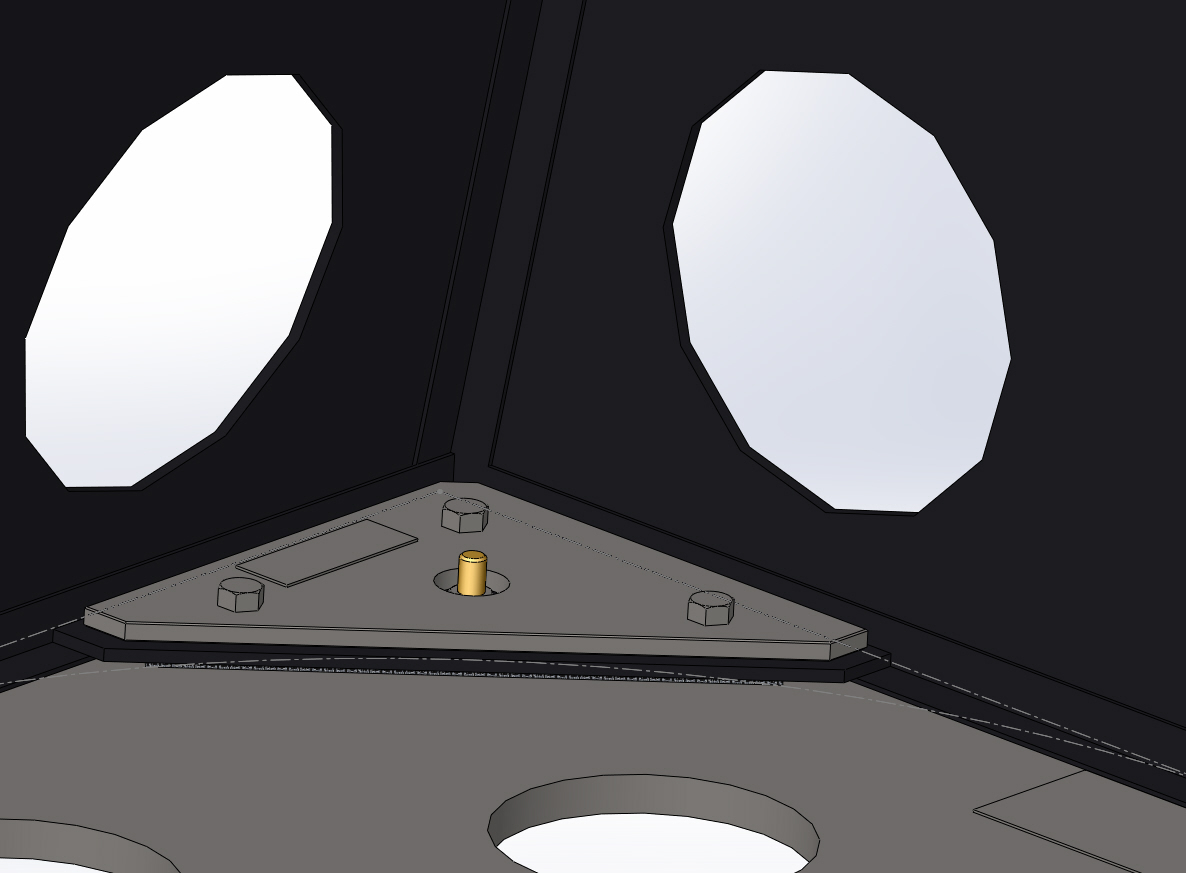


Figure :Base plate details