



Statement of Work Fabrication of 6 inch Vacuum Viewport Windows

The following documents are incorporated into and made a part of this purchase order. Click on the following LIGO Document Control Center (DCC) links to access these documents or go online to the LIGO Public DCC at <https://dcc.ligo.org/> to access the DCC#.

1.0 Terms:

<u>DCC #</u>	<u>Description</u>
C080185-v1	Laser Interferometer Gravitational Wave Observatory (LIGO) Commercial Items or Services Contract General Provisions California Institute of Technology “Institute”, LIGO Rev 11/12/08
F0810001-v5	Technical Direction Memorandum.

2.0 End Item Data Package:

- At the time of delivery of the parts, the Supplier shall also provide the following data, as a minimum:
- Any as-built modifications (with approval of the LIGO Contracting Officer) as mark-ups to the drawings
 - Certificate or statement of compliance with all contract and drawing process restrictions.
 - Test data for the parts, as described in the window specification E1100267.

3.0 Scope:

This SOW is for the manufacture, test, and delivery of 6 inch diameter, anti-reflection coated optical windows, to be used by the Customer as viewports on ultra-high vacuum chambers. The properties of the windows are fully described in:

<u>DCC #</u>	<u>Description</u>
E1100267-v1	Specification for 6 inch Vacuum Viewport Window

If there is a conflict between the SOW and the specification, the specification has precedence.

4.0 Quantity Required:

As detailed in E1100267, there are two variants of the window, which have different AR coating specifications (Types I and II). Here are the quantities required for each type:

E1100267	6 inch window	Quantity
	Type I	62
	Type II	11

Small adjustments to these quantities may be made based on the lot size of the Supplier, in order to make most efficient use of the Supplier’s capabilities. Therefore the quotation should include information about the bidder’s lot or batch size for parts processing.

5.0 Delivery Requirements:

The deliveries are FOB at these destinations, i.e. the Supplier has responsibility for shipping title and control of goods until they are delivered and the transportation has been completed. The Supplier selects the carrier and is responsible for the risk of transportation and for filing claims for loss or damage.

Shipping Locations:

LHO:

LIGO Hanford Observatory
Attn: D. Atkinson & C. Vorvick
127124 North Route 10
Richland, WA 99354
USA

LLO:

LIGO Livingston Observatory
Attn: C. Guido
19100 LIGO Lane
Livingston, LA 70754
USA

Caltech:

LIGO Laboratory
Attn: Mindy Jacobson
California Institute of Technology
Mail Stop #100-36
Pasadena, CA 91125
USA

Shipping Containers:

The Supplier is responsible for providing shipping containers and transportation which protects these parts from damage from the transportation environment (weather, handling, accidents, etc.) and maintains their cleanliness in their original condition.

6.0 Delivery Schedule:

Partial deliveries are acceptable to meet the following schedule:

	Quantity	Ship Date	Ship To
Type I	5	11 weeks ARO	LHO
	10	14 weeks ARO	LLO
	11	18 weeks ARO	LLO
	16	22 weeks ARO	LHO
	20	28 weeks ARO	LHO
Type II	11	14 weeks ARO	Caltech