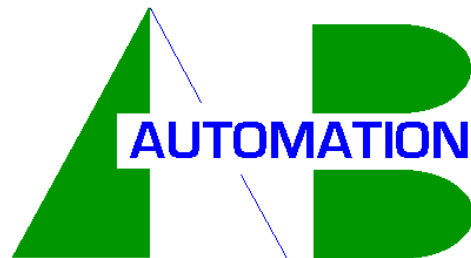


Proposal

NASA IRTF
Mauna Kea, HI
On Site Programming



R30102 - Rev. A
January, 2013

Able-Baker Automation™, Inc.
P.O. Box 6368
Moraga, California 94570
(510) 601-9396

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Technical Scope

1. Description
 - 1.1 **Able-Baker Automation, Inc.** will provide on site engineering and programming assistance for the IRTF Dome.
2. Scope of Work - Able-Baker
 - 2.1 Able-Baker shall provide remote engineering and programming assistance at the direction of the on site engineering staff.
 - 2.2 Able-Baker shall supply complete program documentation of the changes made to the systems worked on.
3. Scope of Work - *Others*
 - 3.1 The client will provide personnel to operate the system locally during the start-up and testing.
4. Clarifications
 - 4.1 This is a Time and Material estimate. We have estimated the cost of the project.
 - 4.2 This is for a site visit is to commission the new servo motor and controls.

Project Management

5. Schedule

5.1 We anticipate that this project will take 3-5 days after receipt of the order.

6. Cost

6.1 This a time and material proposal. We have provided the following estimates. This price excludes sales tax which will be added to our invoice if applicable.

Description	Estimated Cost
On site startup assistance	\$ 5,600.00

6.2 All work will be available on a time and material basis at the following rates:

Senior Control Systems Engineer	\$ 140.00
CAD Designer/Programmer	\$ 85.00

6.3 This estimate includes travel expenses, air travel, hotel, car rental and food. These costs will be charged at our cost + 15%. Travel time will be billed at our rates above.

6.4 Travel is from Moraga, California or actual (which ever is less).

7. Payment Schedule

7.1 Invoices will be sent biweekly.

7.2 Terms are Net 30 days.

7.3 Late Payments will be subject to a charge of 1% per month on the overdue balance. Charges will commence 60 days after the invoice date.