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LETTER OF AGREEMENT

TO: Peter May and Andrew Leitch, Directors
Research Casting International, Ltd.
131 Bloor St., W.
The Colonnade, Suite 200
Box 222, Toronto, Ontario
Canada, M5S 1R8

FROM: Lowell Dingus, Project Director
Fossil Halls/Library Renovation
Dept. of Vertebrate Paleontology
American Museum of Natural History
Central Park West @ 79th
New York, NY 10024

DATE: March 28, 1990

This agreement is for the production of one (1) fossil mount that will include the fully mounted and painted skeletal casts of three (3) individual animals: one (1) adult *Barosaurus*, one (1) juvenile sauropod, primarily developed from specimens of *Diplodocus*, and one (1) adult *Allosaurus*.

General Terms and Conditions:

1. Unless otherwise specified, the work is to be done at the facilities of Research Casting International Ltd. (RCI) in Toronto, Ontario, Canada. While the fossil specimens belonging to the AMNH are in transit or being used to develop the mount, they will be fully covered by the insurance policy that AMNH carries with Lloyd's of London. This policy will insure the fossils against breakage, theft or loss. The value of the fossil specimens of *Barosaurus* and *Diplodocus* described below in items 3 and 4 is set at \$5,000,000 US.
2. The design of the mount will be specified in drawings and/or models provided to RCI by the American Museum of Natural History (AMNH) in conjunction with the exhibition designer (Ralph Appelbaum Associates [RAA]). RCI will be consulted in the development of the design, but final authority for decisions concerning the design will belong to AMNH. John S. McIntosh will serve as the primary consultant for paleontological accuracy and will review the progress of sculpting, casting and mounting at critical

points in the project. Costs for his travel will be paid separately from the fees in this agreement by AMNH. The mount will be constructed to the specifications documented in the design drawings and/or models. Modifications in the design demanded by the actual articulations of the bones may well be necessary; these must be approved in writing by AMNH after consultation between J. S. McIntosh, RAA, and RCI.

3. The work involving the adult *Barosaurus* covered by this agreement:

- The mount of the adult *Barosaurus* will be based on AMNH specimen #6341.
- All the skeletal elements of AMNH 6341 will be picked up by RCI at the AMNH and transported by rented truck to the RCI facility in Toronto. The costs for materials used to pack the fossils (crates or other packing materials) will be paid for by AMNH. All other costs associated with truck rental, shipping, insurance and customs are included in the fees requested by RCI and listed below in the present agreement.
- All skeletal elements present in AMNH 6341 will be molded and casted by RCI in a combination of fibreglass-reinforced plastic and polyurethane casting foam, as well as water-extended polyester.
- Skeletal elements not present in AMNH 6341 will be sculpted molded, and casted by RCI in a combination of fibreglass-reinforced plastic and polyurethane casting foam, as well as water-extended polyester. These missing skeletal elements include all elements except cervicals 10-16, dorsals 1-9, sacrals 1-5, caudals 1-29, several ribs, 1 chevron, complete pelvis, left scapula coracoid, part of right scapula, left humerus, right hind limb, and part of pes.
- The complete skeletal cast of the adult *Barosaurus* will be mounted on an internal armature in a way that minimizes the visibility of the armature as much as possible. This mount will be constructed so that it can be assembled, disassembled, and transported in modular form.
- The completed mount will be shipped in modules to AMNH from the RCI facility. Packing, shipping, insurance and any customs fees are included in the fees listed below in the present agreement.

4. The work involving the juvenile sauropod covered by this agreement:

- The mount of the juvenile sauropod will be based on two juvenile specimens of *Diplodocus*; AMNH 7530 and a specimen in the quarry face at Dinosaur National Monument, DNM 3781.

- All the skeletal elements of AMNH 7530 will be picked up at AMNH by RCI and transported by rental truck to the RCI facilities in Toronto. The costs of materials used to pack the fossils (crates, packing materials, etc.) will be paid by AMNH. All other costs associated with truck rental, shipping, insurance and customs are included in the fees requested by RCI that are listed below in the present agreement.

- All the skeletal elements present in AMNH 7530 will be molded and casted by RCI in a combination of fibreglass-reinforced plastic and polyurethane casting foam, as well as water-extended polyester.

- All the skeletal elements present in DNM 3781 will be molded, reconstructed and cast by RCI at Dinosaur National Monument in a combination of fibreglass-reinforced plastic and polyurethane casting foam, as well as water-extended polyester. The skeletal elements present in this specimen include two (2) femora, one (1) tibia, two (2) fibulae, one (1) radius, one (1) ulna, one (1) ilium, one (1) ischium, one (1) pubis, the first metatarsal, several foot bones and claws, three (3) caudal vertebrae, and possibly one (1) dorsal vertebra. All costs for this task associated with molding, casting, travel, shipping, insurance and customs are included in the fees requested by RCI that are listed below in this agreement.

- Skeletal elements not present in AMNH 7530 or DNM 3781 will be sculpted, molded, and casted by RCI in a combination of fibreglass-reinforced plastic and polyurethane casting foam, as well as water-extended polyester. These elements include both scapulae, nine (9) dorsal vertebrae, one (1) ischium, one (1) pubis, eighty (80) caudal vertebrae and associated chevrons, all ribs, one (1) radius, one (1) ulna, both humerii, the two (2) fore feet, one (1) hind foot, one (1) partial hind foot, three (3) cervical vertebrae, and the sacrum.

- Two (2) complete casts of the juvenile sauropod skeleton will be made by RCI.

- One (1) complete skeletal cast of the juvenile sauropod will be mounted on an internal armature in a way that minimizes the visibility of the armature as much as possible. This mount will be constructed so that it can be assembled, disassembled and transported in modular form.

- The one (1) completed mount will be shipped to AMNH from the RCI facility. Packing, shipping, insurance and any customs fees are included in the fees requested by RCI that are listed in this agreement.

- The second complete skeletal cast of the juvenile sauropod skeleton will be delivered to AMNH. Packing, shipping, insurance

and customs costs are included in the fees requested by RCI that are listed in this agreement. Subsequent to delivery of the cast to AMNH, costs of shipping the specimen to Dinosaur National Monument will be paid by AMNH.

5. The work involving the adult *Allosaurus* covered by this agreement:

- AMNH will purchase one (1) #37 *Allosaurus* cast from Dinolab in Salt Lake City, Utah and will pay all costs to have it shipped to the RCI facility in Toronto.

- RCI will mount the complete #37 *Allosaurus* cast on an internal armature in a way that minimizes the visibility of the armature as much as possible. This mount will be constructed so that it can be assembled, disassembled, and transported in modular form.

- The completed skeletal mount of *Allosaurus* will be shipped to AMNH from the RCI facility. Packing, shipping, insurance and any customs fees are included in the fees requested by RCI that are listed below in this agreement.

6. All mounts of the fossil skeletal casts will be produced on stable metal frame bases which will be mobile and capable of repositioning. An unconditional guarantee of one (1) year from the date of delivery applies to all casts mounted as part of this agreement by RCI.

7. After the completed skeletal mounts have been transported to AMNH, two employees of RCI will travel to AMNH for a period of up to two weeks to assist with assembly and installation of the finished mount in Roosevelt Memorial Hall. RCI will pay expenses for the two RCI employees during this trip out of fees paid by AMNH as part of this agreement. AMNH will provide a crew of up to four employees to assist with the assembly and installation of the finished mount.

8. Upon completion of the mount and final payment, AMNH will gain complete and final ownership of the mount and all its elements, including the molds for the skeletal casts. Except for the duplicate cast of the juvenile sauropod skeleton to be made for Dinosaur National Monument, no duplicate casts of the adult *Barosaurus* skeleton or the juvenile sauropod skeleton will be made or sold by RCI, or any other company or institution except AMNH, for any reason. AMNH will own exclusive license for using photos or other images of the finished mount; however, upon prior written approval

from AMNH, RCI will be allowed to use images of the mount in its corporate brochure and videotape.

9. Cost of the work covered by this agreement:

1. Adult *Barosaurus*

Sculpting, molding, casting	47,300 CDN
Mounting	<u>40,000 CDN</u>
Subtotal	87,300 CDN
	72,721 US

2. Juvenile sauropod

Sculpting	22,500 CDN
Molding	22,900 CDN
Casting	18,500 CDN
Mounting	<u>26,300 CDN</u>
Subtotal	90,200 CDN
	75,136 US

3. *Allosaurus*

Mounting	<u>20,000 CDN</u>
Subtotal	20,000 CDN
	16,660 US

4. Shipping and travel

Subtotal	5,700 CDN
	4,748 US

5. Juvenile sauropod cast for DNM

Subtotal	<u>18,500 CDN</u>
	<u>15,411 US</u>

TOTAL	221,700 CDN.
	\$184,675 US

(Note: CDN = .833 US; New York Times, 2/14/90)

10. Payment schedule:

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|---|---------------------|--------------------|
| 1. Initial payment due upon signing of letter
of agreement by representatives of RCI
and AMNH [expected by April 90] | (
\$73,900 CDN) | \$61,558 US |
| 2. Interim payment due after AMNH and
Landmarks Commission approval
of work done in first phase, including
completion of sculpting, molding and
casting [expected by July 90] | (
\$73,900 CDN) | \$61,558 US |
| 3. Final payment due upon approval and
completion of the finished mount
[expected by Jan. 91] | (
\$73,900 CDN) | <u>\$61,559 US</u> |
| TOTAL PAYMENTS FOR ALL WORK | | |
| | (
\$221,700 CDN) | \$184,675 US |

11. In the event that the mount is completed and ready to be shipped to AMNH before the renovations in Roosevelt Memorial Hall are completed, RCI will store the mount at the RCI facility until it can be shipped and installed in the Roosevelt Memorial Hall. The fees for storage are included in the fees listed above in this agreement, unless shipment is delayed past February 1991. After that date, a charge of \$1,000 per month CDN will be paid to RCI by AMNH for storage.

Lowell Dingus 3/28/90
Lowell Dingus Date
Project Director
Fossil Halls/Library Renovation
AMNH

WJ Moynihan 4/3/90
William J. Moynihan Date
Director
AMNH

Peter May 30/3/90
Peter May Date
Director
RCI

AL 30/3/90
Andrew Leitch Date
Director
RCI