



State of Utah

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ADDENDUM NO. 9

Date: May 4, 2009

To: Shortlisted Fabricators

From: Rick James, Project Manager, DFCM

Reference: Exhibit Fabrication and Installation – Utah Museum of Natural History
University of Utah
DFCM Project No. 02243750

Subject: **Addendum No. 9**

Addendum Cover – Questions/Answers	2 pages
Total	2 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

9.1 SCHEDULE CHANGES: No schedule changes.

9.2 GENERAL ITEMS: Questions/Answers

- 9.2.1 Question: The laminated glass thickness is specified as 17.5mm. This is close to 100 pounds per square meter for each glass panel. With glass panels weighing in the 300 to 400 pound range, special lifting equipment is required. This type of equipment places a very heavy load on the floor during installation. Can you provide the floor load capacity?
- Answer: See base building structural drawings for floor load capacity.**

- 9.2.2 Question: It has been noted that seals are not required. But then there is a mention that the glass structures must withstand fire with subsequent dousing of flames by fire hoses. Fire resistant glass is another issue altogether. Is this required? Such glass would need to be mounted into special framing, a feature not suitable for this architectural design. The display cases shown would not be watertight under exposure to high-pressure fire hoses.
Answer: Fire rated case enclosures are not required. Cases are to be engineered to withstand the load of a sprinkler system.
- 9.2.3 Question: Please provide seismic standards that the cases must be designed to resist. This is a bit of a catch-22 on all museums in an active seismic zone. To fully comply and allow the cases to withstand a major earthquake, some case manufactures believe the structure and glass must be seriously increased in strength. This will increase the cost enormously. Most museums compromise on seismic requirements as the cases would need to be too big, too bulky, and too costly. Using laminated glass as you have at least limits the life safety issues.
Answer: See Casework spec section 1.3 B.6
- 9.2.4 Question: Item Type DP-1 / Digital print on fabric. The specifications state “Evergreen fabric jet text”, but there is no further specification as to what that is. We propose an “or equal” substitution of UltraTex Organic C265 fabric, as manufactured by Ultraflex Systems, Inc. This fabric is 100% Organic plant fiber, 260g/ sm2, flame retardant NFPA701, B1. The surface is a light canvas texture.
Answer: See Spec 10300 2.1 A for Evergreen Jet Text (Dickson) contact info. Substitutions should be submitted in Fabrication as per General Conditions spec section.
- 9.2.5 Question: Section 10200-6; Butted tiles printed on calendared type vinyls will eventually shrink, and really need to be overlapped. The exception to this would be wall paper application, where the overlaps are cut and edges removed for a butt connection. 3m Cast vinyls will shrink minimally, as will Polyester C-Prints.
Answer: It is not clear what the question is.
- 9.2.6 Question: Type DS-1 / Direct print to substrate. The specification calls for a Durst RHO flatbed printer with Quadro Array technology ink. We have checked with all our normal suppliers and none have this specific equipment. We propose an “or equal” substitution” of the Durst RHO 205 WV flatbed printer, printing with RHO3 ink.
Answer: Substitutions should be submitted in Fabrication as per General Conditions spec section.
- 9.2.7 Approved Vendor for the Direct to Substrate Spec. is:

Fusion Imaging
601 Boro Street
Kaysville, UT 84037
Contact: Julie Flint
julief@fusion-imaging.com
t: 801.546.4567
t: 800.943.5200
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End of Addendum