

***Revised September 25, 2007***

February 2, 2007

WM Group Engineers  
370 Seventh Ave, Suite 701  
New York, NY 10001

Attention: Doug Wen

RE: Brown University  
CHP Relocations for Mezzanine Construction  
***Revised*** Engineering Fee Proposal No.1569

Dear Doug,

***Our original proposal dated 2/2/07 was for the work related to the northwest mezzanine (now called North Mezz) and Brown subsequently added the South Mezzanine. This revised proposal is for the additional work performed concurrently for the South Mezzanine.***

We propose to provide the professional engineering services required for the electrical design for the referenced project as follows.

## BASIS OF WORK

1. Project Scope: The installation of a mezzanine over the existing switchgear and transformers located in the north west corner of the CHP, ***and the installation of a mezzanine located at the south end of the CHP.***
2. Qualifications
  - A. Based on discussions with Chris Cherau and our observations, we recommend the mezzanine be constructed so as to avoid the relocation of the cable tray and medium voltage feeders. These feeders will be replaced during the upgrade, and moving them is expensive and non-recoverable. Open decking and temporary handrails in the feeder area should accomplish this goal. Our pricing is based on this concept.
  - B. We will verify existing conditions by visual observations only. Where additional investigation is required or otherwise advisable in order to ascertain the true nature of concealed conditions, we will advise. Any such investigation, if authorized or requested by WM or Brown, shall be the subject of compensation beyond the amounts quoted herein.
3. To Be Furnished By Client/Owner
  - A. Plans indicating the space taken by the new steel for identifying the items to be relocated.

- B. Plans of the existing building conditions including architectural, mechanical, electrical, plumbing, fire protection, and structural drawings.
  - C. Background drawings in electronic format (AutoCad current edition).
4. Our Scope of Work
- A. Clarify and define project requirements.
  - B. Identify items obstructing the new construction, other than the MV tray and cables.
  - C. Drawings and specifications for the relocations required to accommodate the mezzanine including relocation/replacement of neutral grounding resistor and grounding in the footings.
  - D. Attendance at 2 programming and review meetings at Brown University.
  - E. Submission of preliminary documents for review and concept approval.
  - F. Project site visits as required to observe existing conditions that may affect renovation/alteration work.
  - G. Coordination with Brown and WM professionals involved in the project.

#### EXCLUSIONS/WORK NOT INCLUDED

1. Construction support services including:
  - A. Attendance at construction meetings
  - B. Periodic on-site observations of the construction progress
  - C. Development or following of a punch list
  - D. Witnessing of testing or start-up by the contractor(s) or equipment/system manufacturer(s)
  - E. Estimating and change order estimate reviews
  - F. Review contractor's application for payment
  - G. Resident project engineer
2. Acceptance testing or start-up assistance for equipment or systems.
3. Equipment prepurchase specifications, vendor quotation review, purchase negotiation or recommendations and shop drawing processing.
4. Special studies or surveys for evaluation of power disturbances, harmonic analysis, demand load, electromagnetic interference, protective device coordination, electrical hazardous area classification, etc..
5. Design of a structural nature, such as equipment pads, foundations, floor loading calculations, etc.
6. Design engineering work associated with the removal or remediation of asbestos or PCBs.
7. Noise or vibration control/abatement engineering

FEE

1. The professional engineering services described herein will be provided for a lump sum amount (excluding reimbursables) of Seven Thousand Seven Hundred Dollars (\$7,700.00)

<i>Added South Mezzanine</i>	<i>\$2,900.00</i>
<i>Revised Total</i>	<i>\$10,600.00</i>
2. Reimbursable expenses including reproduction, delivery/messenger, travel, fees for permits or certificates required by government and regulatory agencies, rental of special equipment or instrumentation, etc. will be billed at cost.
3. Billing will be rendered monthly on a percent complete basis. The terms are net thirty days with a 1-1/2% per month charge after 30 days.
4. Changes in scope of the work, initiated by others, may affect the design fee proposed. Scope changes will be billed on a time expended/cost incurred basis at our current rates.
5. This proposal will remain valid for thirty calendar days from the above date.

We thank you for the opportunity to present this proposal and look forward to being of service. If there are any questions on the scope of work, please do not hesitate to contact our office for clarification or any necessary revisions.

Very truly yours,  
Frank R. HOLTAWAY & Son, Inc.

Robert F. Holtaway, P.E.

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Accepted for WM Group Engineers:

Signed By: \_\_\_\_\_

Title: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Please return a signed copy of this proposal or issue a purchase order referencing this proposal to authorize this work.