



CITY OF ELIZABETHTON
136 S. SYCAMORE ST.
ELIZABETHTON, TN 37643-3328
(423) 542-1505

REQUEST FOR BIDS
ROOF REPLACEMENT
BONNIE KATE
SOUTH SYCAMORE STREET
MARCH 5th 2018

Addendum #1

Change in specifications due to attached engineering report.

- Remove the existing roof as asbestos containing and properly dispose of offsite.
- Install two (2) layers of 2.6" polyisocyanurate insulation (R-30), mechanically attached to the existing deck.
- Install new .060 TPO or approved alternative fully adhered to the new insulation, per manufacturer approved details.
- Flash all projections and penetrations thru roof, per manufacturer approved details.
- Existing coping to remain.
- Provide and install new drip edge, as necessary.
- Provide contractor's three (3) year workmanship warranty upon completion.
- Provide 15 year manufacturer's NDL system warranty upon completion.

**SPODEN & WILSON
CONSULTING ENGINEERS**

PHONE (423) 245-1181
FAX (423) 245-0852
430 CLAY STREET
KINGSPORT, TENNESSEE
37660

STEVE D. WILSON, P.E.

REGISTRATIONS:
NORTH CAROLINA
TENNESSEE
TEXAS
VIRGINIA

February 5, 2018

Tom Weems, AIA, ACHA
Thomas Weems, Architect
3203 Hanover Road
Johnson City, Tennessee 37604

Re: Existing Roof Framing Assessment
Bonnie Kate Theatre Building
Elizabethton, Tennessee
File No. 18010

Dear Mr. Weems:

Based on our recent on-site observations and review of the existing roof structure of the above referenced facility, we offer the following structural assessment:

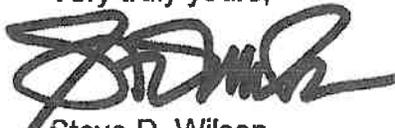
I. Roof Framing:

- A. The existing main building roof framing assembly predominantly consists of structural steel beams / steel trusses at 15' nominal spacing, spanning the full width of the theatre and supporting 2x8 wood purlins at 1'-4" nominal spacing all supporting an existing wood deck and built-up bituminous roof system.
- B. No obvious or visible structural deficiencies were noted in the existing roof framing system.

Based on our on-site observations and the above assessment, the existing roof structure is capable of supporting a total roof load of approximately 35 psf which remains marginally sufficient to support the current roof dead load plus the prevailing Code prescribe minimum roof live load of 20 psf. Given this limited loading capacity, the new roofing system will require removal of the existing built-up bituminous roofing (including embedded gravel, etc.) and inclusion of a new adhered roofing membrane so as to be capable of supporting the updated (presumably lessened) dead load plus the Code prescribed minimum live load of 20 psf plus 5 psf for "rain on snow" loading for this fairly low slope / low pitch roof.

If you need additional information, please feel free to call.

Very truly yours,


Steve D. Wilson

SDW/mah

