

HISTORIC LANDMARK COMMISSION
APPLICATION FOR A CERTIFICATE OF APPROPRIATENESS
FEBRUARY 24, 2020
C14H-1978-0038
PARAMOUNT THEATER
713 CONGRESS AVENUE

PROPOSAL

Tuck-point south wall mortar.

PROJECT SPECIFICATIONS

The applicant seeks a heritage grant to tuck-point deteriorating mortar on the south wall of the historic landmark theater.

STANDARDS FOR REVIEW

The Secretary of the Interior's Standards for Rehabilitation are used to evaluate projects on historic landmarks. The following standards apply to the proposed project:

- 5) *Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.*

Evaluation: The applicant proposes to match existing mortar.

- 6) *Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.*

Evaluation: The applicant proposes to match existing mortar in terms of color, formula, and texture.

The project meets the applicable standards.

COMMITTEE RECOMMENDATIONS

Not reviewed.

STAFF RECOMMENDATION

Approve as proposed.

AMR Labs

AMR Labs
1525 Corona Dr
Granbury, TX 76048

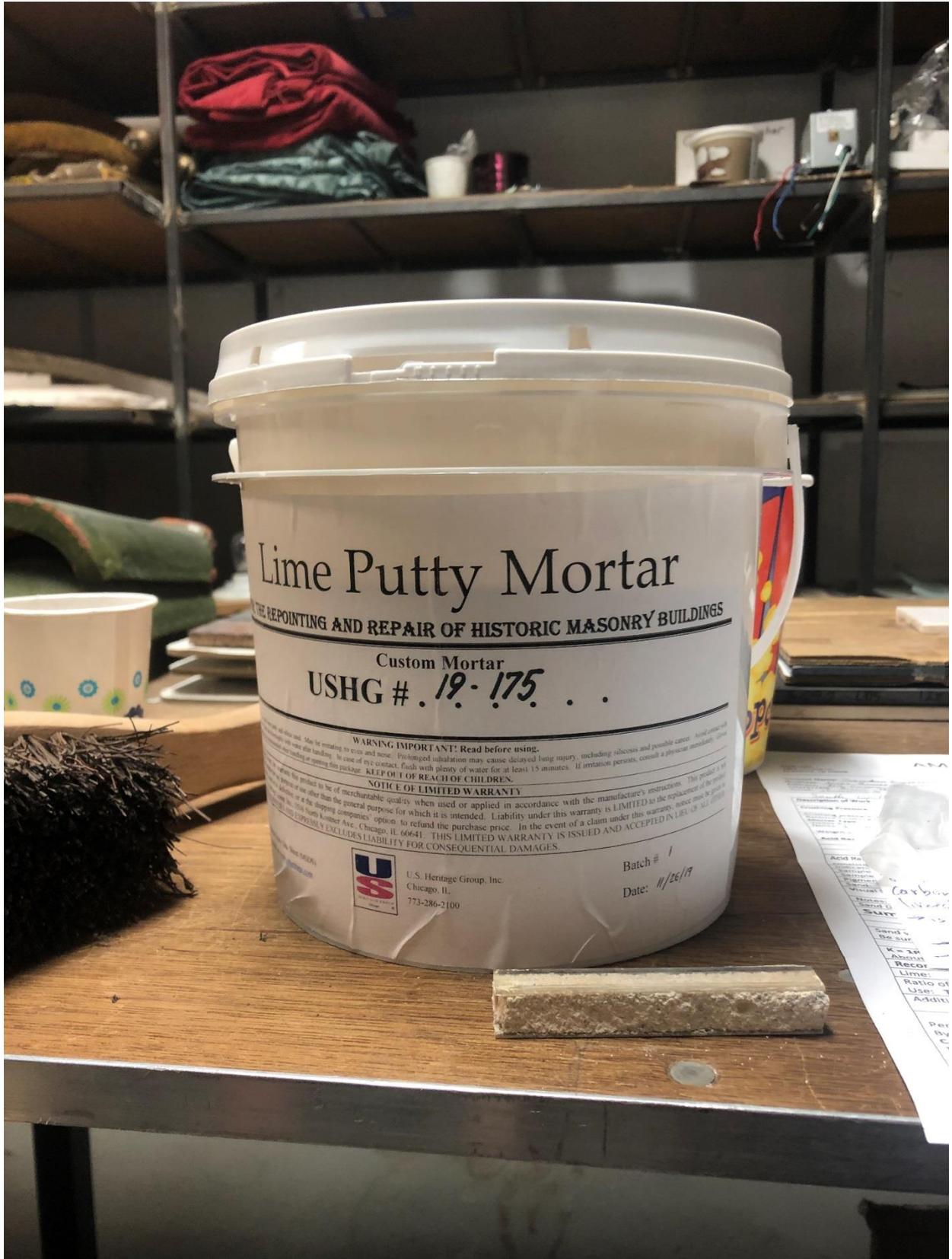
Office: 817-366-8376
MortarLab.com
James.Nech@gmail.com

Contact Name: Jonathan Humphrey
Business: Austin Theatre Alliance
Address: 213 Congress Ave.
City/ST/Zip: Austin, TX 78701
Email: j.humphrey@austintheatre.org

Job Name/#: Paramount Theatre's South wall
Address: _____
City/ST/Zip: _____

South Wall Sample (Upper Parapet)

Description of Work:		<input checked="" type="checkbox"/> Mortar Testing/Analysis				<input type="checkbox"/> Mortar Color Match			
Crushing Pressure:	N/A	75psi	150psi	350psi	750psi	1800psi	2800psi	Over 2800psi	
Crushing pressure is relative due to the size, age, and shape of samples being tested. Some variance is allowed.									
Relative Crushing Pressure Indicates									
Mortar Type:		<input checked="" type="checkbox"/> L	<input type="checkbox"/> K	<input type="checkbox"/> O	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> M	<input type="checkbox"/> Portland	
Visible Parts:		<input checked="" type="checkbox"/> Historic Lime		<input type="checkbox"/> Unmixed Lime		<input type="checkbox"/> Unmixed Portland		<input checked="" type="checkbox"/> Large Aggregates	
Notes: <u>Sample cap contained some thin Portland based repair smears</u>									
Weight Loss:		<u>39.68</u> g - <u>29.05</u> g = <u>10.63</u> g	<u>26.789</u> g	Indicates:		High Mix : Sand	Low Mix : Sand	Good Mix : Sand <input checked="" type="checkbox"/>	
Acid Reaction:									
Lime Reaction:		<input checked="" type="checkbox"/> High		<input type="checkbox"/> Medium		<input type="checkbox"/> Low		<input type="checkbox"/> None	
Portland Reaction:		<input type="checkbox"/> High		<input type="checkbox"/> Medium		<input type="checkbox"/> Low		<input checked="" type="checkbox"/> None	
Acid Reaction and Weight Loss are consistent with test results for mortar type:									
Indications of Sealer floating in solution:		<input checked="" type="checkbox"/> L		<input type="checkbox"/> K	<input type="checkbox"/> O	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> M	<input type="checkbox"/> Portland
Samples indicate a repair:		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/> No	
Samples being tested are different:		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/> No	
Pigment found:		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/> No	
Sand:		Graded size particles				Not Graded			
Visual Sand Gradation:		% Fine Particles		% Medium Size Particles		% Larger Particles			
Notes: <u>#8-1.50% #16-7.63% #30-49.35% #50-34.53% #100-5.46% #200-1.06% F.O. 20%</u>									
Sand Description: <u>clear, tan, brown, pink, black particles jagged shapes</u>									
Summary:									
Mortar Type:		<input checked="" type="checkbox"/> L		<input type="checkbox"/> K	<input type="checkbox"/> O	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> M	<input type="checkbox"/> Portland
Mortar Formula:		P=Portland		L=Lime		S=Sand			
Sand variance is between 2.25 and 3 parts sand by volume. P + L = total Mix multiplied by 2.25 to 3 parts sand. Be sure to measure the sand as loose damp aggregate.									
Formulas		L = 1 part lime : (2.25-3) Sand				Portland = 1 part Portland : (2.25-3) Sand			
K = 1P : 3L :: S About 12 sand		O = 1P : 2.5L :: S About 10 sand		N = 1P : 1.25L :: S About 6 sand		S = 1P : 1/2L :: S About 4 sand		M = 1P : 1/4L :: S About 3 sand	
Recommendations:									
Lime:		Type S/SA Lime				<input checked="" type="checkbox"/> Historic Lime			
Ratio of Mix to Sand:		2.25 parts sand		2.5 parts sand		3 parts sand			
Use: Times the total of P + L									
Additional Recommendations/Notes:									
Performed By: _____ Color Code: Type: _____, #: _____ Pigments: _____					Date of Analysis: <u>11/11/17</u> Approved/Performed By: _____ James Nech - GM-AMR				



Lime Putty Mortar

THE REPOINTING AND REPAIR OF HISTORIC MASONRY BUILDINGS

Custom Mortar

USHG # . 19 . 175 . . .

WARNING IMPORTANT! Read before using. Avoid contact with eyes and skin. May be irritating to eyes and nose. Prolonged inhalation may cause delayed lung injury, including silicosis and possible cancer. Wash with plenty of water after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. If irritation persists, consult a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**

NOTICE OF LIMITED WARRANTY
This product is warranted to be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted for use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of the product or refund of the purchase price. In the event of a claim under this warranty, notice must be given in writing to the manufacturer at the address below. THIS LIMITED WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER WARRANTIES. THE MANUFACTURER EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

 U.S. Heritage Group, Inc.
Chicago, IL
773-286-2100

Batch # 1
Date: 11/26/19

Handwritten notes and a form on a piece of paper to the right of the bucket. The form includes fields for 'Name', 'Date', 'Sand', 'Sift', 'K-14', 'Asst', 'Reor', 'Lime', 'Ratio of Use: 1', 'Addit', and 'Per By C'. There are handwritten entries in some of these fields, including 'Carbon' and 'Sift'.



