

ADDENDUM NUMBER TWO

Exterior Restoration of the
University of South Carolina
LONGSTREET THEATRE
Columbia, South Carolina
State Project No. H27-Z147-B

DATE OF ISSUE: April 13, 2016

PREPARED BY:

ARCHITECT:

Meadors, Inc.
2811 Azalea Drive
Charleston SC, 29405
(843) 723-8585

CIVIL / LANDSCAPE:

RB Todd
7436 Broad River Road, Suite 212
Columbia, SC 29063
(843) 781-3141 ex.303

TO ALL OFFERORS: This Addendum modifies the Bidding Documents only in the manner and to the extent stated herein and shown on any accompanying drawings and will become a part of the Bidding Documents. Except as specified or otherwise indicated by this Addendum, all work shall be in accordance with the basic requirements of the Bidding Documents. Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may subject Bidder to disqualification

This Addendum consists of ONE (1) page and the following enclosures:

I. ENCLOSURES:

1. *Hazmat Survey Report*, dated 04/12/16 (6 pages)
2. *A303 ENLARGED DETAILS- WEST PLANTER WALLS (1 page)*

II. GENERAL INFORMATION / CLARIFICATIONS:

1. See enclosed *Hazmat Survey Report*, for reference and information purposes. The new waterproofing referenced in the testing report was installed last summer adjacent to the downspout boot at the SE corner of the building. The original waterproofing referenced in the testing report is located at the base of the building, on the east side, below grade. The original waterproofing was installed sometime in the 1980's or early 90's. Both the new and original waterproofing tested negative for asbestos.

III. CHANGES TO PROJECT MANUAL:

1. None

IV. CHANGES TO DRAWINGS:

1. ARCHITECTURAL DRAWINGS: ADD Sheet A303 ENLARGED DETAILS- WEST PLANTER WALLS
2. CIVIL DRAWINGS: None

V. QUESTIONS FROM CONTRACTORS: None

END OF ADDENDUM



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

2368

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: University of South Carolina		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 743 Greene Street		<i>Third Party Billing requires written authorization from third party</i>	
City: Columbia	State/Province: SC	Zip/Postal Code: 29208	Country: US
Report To (Name): USC Hazmat		Telephone #: 803-509-3376	
Email Address: asbestos@mailbox.sc.edu		Fax #:	Purchase Order:
Project Name/Number: <u>LONG STREET</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: SC <u>THEATRE</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)	TEM - Bulk
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (friable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method	<input checked="" type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique <p style="text-align: center;"><u>Other</u></p> <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Date Sampled:

Samplers Name: _____ Samplers Signature: _____

Sample #	HA #	Sample Location	Material Description
		3 HR PLM / 6 HR TEM	
		TEM if Neg.	
		Positive Stop	

Client Sample # (s):	-	Total # of Samples:	6
Relinquished (Client):	<u>A. Melano</u>	Date:	<u>4/8/16</u>
Received (Lab):	<u>KE</u>	Date:	<u>4/11/16</u>
Comments/Special Instructions:	<u>① EMSL FX 7951 3460 7593</u>		

Print Form

Reset Form

9368



Building # 102 - LONGSTREET THEATRE

Sample Analysis

Type of Analysis: Lead / Asbestos Date: 4/8/16

RM/TM
3 HR / 6 HR

Turn Around Time

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	ORIGINAL WATERPROOFING	EAST SIDE OF BLDG AT SOUTH DOWNSPOUT	NF	GOOD	< 500 SF	LOW
A	2	ORIGINAL WATERPROOFING	EAST SIDE OF BLDG AT SOUTHERNMOST SHUTTERS	NF	GOOD	< 500 SF	LOW
A	3	ORIGINAL WATERPROOFING (TEM)	EAST SIDE OF BLDG AT 2ND SHUTTERS FROM SOUTH	NF	GOOD	< 500 SF	LOW
B	4	NEWER WATERPROOFING	EAST SIDE OF BLDG AT SOUTH DOWNSPOUT	NF	GOOD	< 2 SF	LOW
B	5	NEWER WATERPROOFING	EAST SIDE OF BLDG AT SOUTH DOWNSPOUT	NF	GOOD	< 2 SF	LOW
B	6	NEWER WATERPROOFING (TEM)	EAST SIDE OF BLDG AT SOUTH DOWNSPOUT	NF	GOOD	< 2 SF	LOW

License # BI-01296 FM# 00515211 Signature E. Melaw Requestor CHRIS MERGNER

Description HAZMAT SURVEY - LONGSTREET THEATRE WATERPROOFING

Site	COLUMBIA	Assigned To	JPROVENCE
Building	102 LONGSTREET THEATRE	Crew	HAZMAT
Floor	Room:	Start Date	Priority 3
Equipment		Due date	21-APR-16
		Request Date	07-APR-16 by CMERGNER

Request #	FM00515211	Description	HAZMAT SURVEY - LONGSTREET THEATRE WATERPROOFING
Parent WO #			

CP Number	CP00413260	LONGSTREET THEATER EXTERIOR RESTORATION/PS#50001924-5
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State/Internal Project Number	H27-Z147
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Requestor	Project Manager	MERGNER, CHRISTIAN F.
Telephone	Telephone	777-4569
Alternate	Estimated Cost	\$ 318.00
Telephone	Billing	FIXED PRICE
Non-Available Time	53150-W655-57000 (CAMPUS BUILDING ENVELOPE I ACT5)	

Task List
 SURVEY WATERPROOFING BELOW GRADE AT EAST SIDE OF LONGSTREET. NEED RESULTS BACK BY 2 PM ON 12-APR-2016, NO LATER THAN 12 NOON ON 13-APR-2016.

DATE WORK STARTED	CAUSE
DATE WORK COMPLETED	CONDITION
EQUIPMENT	
CLOSING REMARKS	
BENCHSTOCK MATERIALS	
Qty	Description
	Price Per Unit

Supervisor's Approval _____

Note Date	Title
12-APR-16	HAZMAT SURVEY RESULTS
SURVEY DATE: 4/8/16	
INSPECTOR #: ERIC MELARO (BI-01296)	
<p>STATUS: THIS SURVEY WAS CONDUCTED IN PREPARATION FOR THE RESTORATION WORK THAT IS BEING CONDUCTED AT LONGSTREET THEATRE. THIS WORK ADDRESSES: (1) WATER DIVERSION ON THE EAST AND WEST SIDES OF THE BUILDING AS WELL AS (2) REPOINTING AND REPLACING BRICK UNDER THE GRANITE STEPS ON THE NORTH SIDE OF THE BUILDING.</p> <p>THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND THE RESULTS FOLLOW.</p> <p>ORIGINAL WATERPROOFING (ON EAST SIDE OF BUILDING) – NEGATIVE FOR ASBESTOS</p> <p>NEWER WATERPROOFING (ON EAST SIDE OF BUILDING) – NEGATIVE FOR ASBESTOS</p>	

THE FOLLOWING MATERIAL HAS PREVIOUSLY BEEN TESTED FOR ASBESTOS AND THE RESULTS FOLLOW.

EXTERIOR TEXTURE – NEGATIVE FOR ASBESTOS

THE FOLLOWING MATERIALS HAVE PREVIOUSLY BEEN TESTED FOR LEAD AND THE RESULTS FOLLOW.

TAN EXTERIOR PAINT – POSITIVE FOR LEAD

WHITE EXTERIOR PAINT (EXCLUDING SHUTTERS AND TRIM AROUND SHUTTERS) – POSITIVE FOR LEAD

WHITE EXTERIOR PAINT (ON SHUTTERS AND TRIM AROUND SHUTTERS ONLY) – NEGATIVE FOR LEAD

INSPECTOR'S NOTES:

ASBESTOS-CONTAINING BLACK MASTIC WAS OBSERVED ON THE DUCT WORK RUNNING UNDER THE GRANITE STEPS ON THE NORTH SIDE OF THE BUILDING. DO NOT DISTURB THE BLACK MASTIC WHILE WORKING IN THIS AREA.

NO OTHER MATERIALS THAT ARE SUSPECT FOR ASBESTOS OR LEAD WERE OBSERVED UNDER THE GRANITE STEPS ON THE NORTH SIDE OF THE BUILDING.

IF ANY WATERPROOFING IS FOUND ON THE WEST SIDE OF THE BUILDING, PLEASE STOP WORK AND CONTACT USC HAZMAT FOR FURTHER INSPECTION.

THE CONCRETE PAD BENEATH THE GENERATOR ON THE EAST SIDE OF THE BUILDING AS WELL AS THE SIDEWALK THAT WILL BE DISTURBED ARE UNPAINTED AND NOT SUSPECT FOR ASBESTOS OR LEAD.

THIS SURVEY SUPPLEMENTS PREVIOUS SURVEYS THAT WERE CONDUCTED ON 9/12/14 (FM00413435), 9/15/14 (FM00413435), 9/25/14 (FM00413435), 1/20/15 (FM00468306), 1/21/15 (FM00468306) AND 1/22/15 (FM00468306).

IF YOU ENCOUNTER ANY OTHER MATERIALS IN PLACE AND DEEM THEM SUSPECT FOR ASBESTOS AND/OR LEAD, PLEASE STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT.

PLEASE NOTE THAT THE MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT.

REFER TO THE SURVEY RESULTS ATTACHED TO THE WORK ORDER FOR DETAILED INFORMATION.

25-OCT-13 ASBESTOS IN JOINT COMPOUND

ASBESTOS CONTAINING JOINT COMPOUND HAS BEEN FOUND IN THIS BUILDING. DO NOT CUT, SAND OR DRILL WALLS. FOR FURTHER INFORMATION OR ASSISTANCE, PLEASE CONTACT THE USC HAZMAT PROGRAM.

12-AUG-10 2009-12-11 BLDG COMPONENT ASBESTOS/LEAD EXPOSURE UPDATE

BELOW ARE THE ASBESTOS AND LEAD TESTING RESULTS FOR LONGSTREET THEATRE

SHEET ROCK: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

JOINT COMPOUND: POSITIVE FOR ASBESTOS CONTAINING MATERIALS

CEILING TILE: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

WHITE WALL PAINT: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

BROWN WALL PAINT: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

YELLOW WALL PAINT: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

THERE IS OLD PIPE INSULATION IN PLACE IN CERTAIN AREAS THAT CONTAINS ASBESTOS IN THE BUILDING

FLOOR TILE AND MASTIC IS POSITIVE FOR ASBESTOS IN THE BUILDING

NO DRILLING INTO THE JOINT COMPOUND IN PLACE

ALL MASTIC ON THE FOLLOWING MATERIALS (PIPE, WATERLINES, FLOORING, AND HVAC DUCTS) ARE POSITIVE FOR ASBESTOS

SHEET FLOORING IN PLACE IS POSITIVE FOR ASBESTOS IN THE BUILDING

IF YOU AND/OR CONTRACTORS NEED TO DISTURB ANY MATERIALS YOU DEEM SUSPECT THAT ARE NOT LISTED ABOVE, STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER, 777-1208. IF YOU NEED TO DISTURB ANY MATERIAL LISTED AS POSITIVE, YOU MUST CONTACT THE ASBESTOS PROGRAM MANAGER TO ARRANGE FOR REMOVAL. THIS INFORMATION MUST BE PASSED ALONG TO ALL CONTRACTORS, SUB-CONTRACTORS, AND INDIVIDUALS WORKING IN THIS BUILDING



EMSL Analytical, Inc.

706 Gralin Street Kernersville, NC 27284
Tel/Fax: (336) 992-1025 / (336) 992-4175
<http://www.EMSL.com> / greensborolab@emsl.com

EMSL Order: 021602368
Customer ID: UNSC62
Customer PO:
Project ID:

Attention: USC Hazmat
University of South Carolina
743 Greene Street
Columbia, SC 29208
Phone: (803) 777-7000
Fax: (803) 777-3990
Received Date: 04/11/2016 10:30 AM
Analysis Date: 04/11/2016
Collected Date:
Project: 102 Longstreet Theatre

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 021602368-0001	Original Waterproofing	Brown/Black Non-Fibrous Heterogeneous	3% Cellulose	3% Quartz 94% Non-fibrous (Other)	None Detected
2 021602368-0002	Original Waterproofing	Brown/Black Non-Fibrous Heterogeneous	1% Cellulose	3% Quartz 96% Non-fibrous (Other)	None Detected
3 021602368-0003	Original Waterproofing	Black Non-Fibrous Homogeneous		<1% Ca Carbonate 100% Non-fibrous (Other)	None Detected
4 021602368-0004	Newer Waterproofing	Brown/Black/Rust Non-Fibrous Homogeneous	<1% Cellulose	<1% Quartz 100% Non-fibrous (Other)	None Detected
5 021602368-0005	Newer Waterproofing	Brown/Black/Rust Non-Fibrous Heterogeneous	1% Cellulose	3% Quartz 96% Non-fibrous (Other)	None Detected
6 021602368-0006	Newer Waterproofing	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

Analyst(s)
Kristie Elliott (2)
Scott Combs (4)

Stephen Bennett, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial Report From: 04/11/2016 12:36:04

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284
 Phone/Fax: (336) 992-1025 / (336) 992-4175
<http://www.EMSL.com> greensborolab@emsl.com

EMSL Order: 021602368
 CustomerID: UNSC62
 CustomerPO:
 ProjectID:

Attn: **USC Hazmat**
University of South Carolina
743 Greene Street
Columbia, SC 29208


Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 04/11/16 10:30 AM
 Analysis Date: 4/11/2016
 Collected:

Project: **102 Longstreet Theatre**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM
via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
3 021602368-0003	Original Waterproofing	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
6 021602368-0006	Newer Waterproofing	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected

Analyst(s) _____
 Stephen Bennett (2)


 Stephen Bennett, Laboratory Manager
 or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
 Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

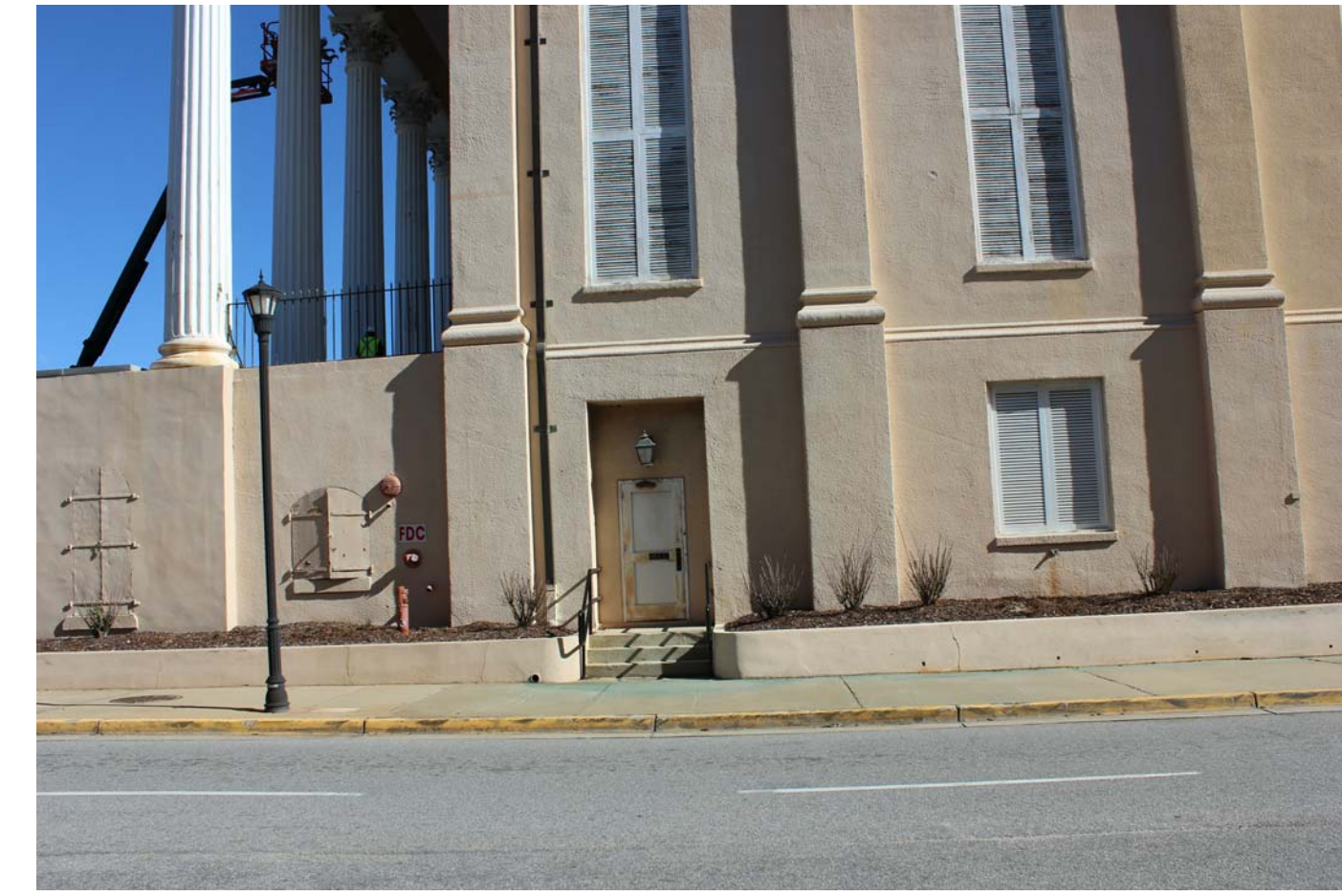
Initial report from 04/11/2016 16:49:35



WEST ELEVATION PHOTO 1- EXISTING PLANTER WALL



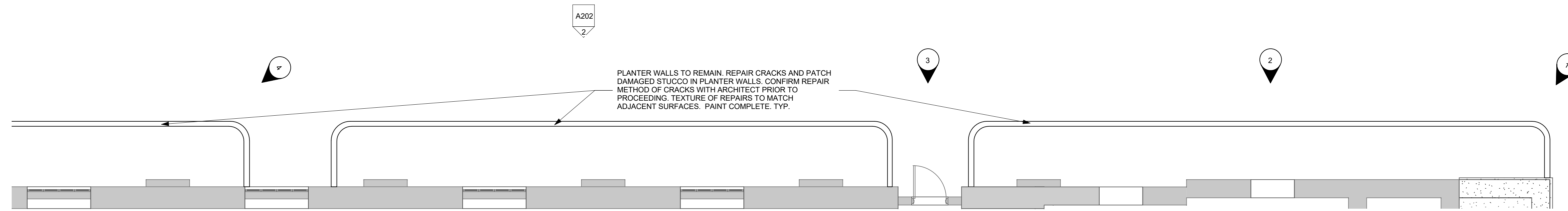
WEST ELEVATION PHOTO 2- EXISTING PLANTER WALL



WEST ELEVATION PHOTO 3- EXISTING PLANTER WALL

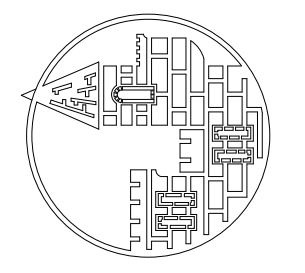


WEST ELEVATION PHOTO 4- EXISTING PLANTER WALL

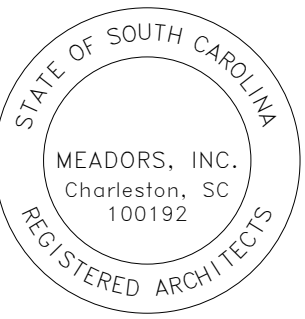


1 DETAILED PLAN- WEST PLANTER WALL
3/16" = 1'-0"

8 PHOTO VIEW INDICATOR



MEADORS INC.
2817 AZALEA DRIVE ■ CHARLESTON, SC ■ 843.723.8585



**USC LONGSTREET THEATRE
EXTERIOR RESTORATION**
H27-Z147-B
1300 GREENE STREET, COLUMBIA, SC 29201

ISSUED FOR
BIDDING

PROJ. NO.
USC PROJ. NO. H27-Z147-B
DATE: 04/13/16
DRAWN BY: BLP

REVISIONS		
NO.	DATE	NOTES

ENLARGED
DETAILS- WEST
PLANTER WALLS

A303