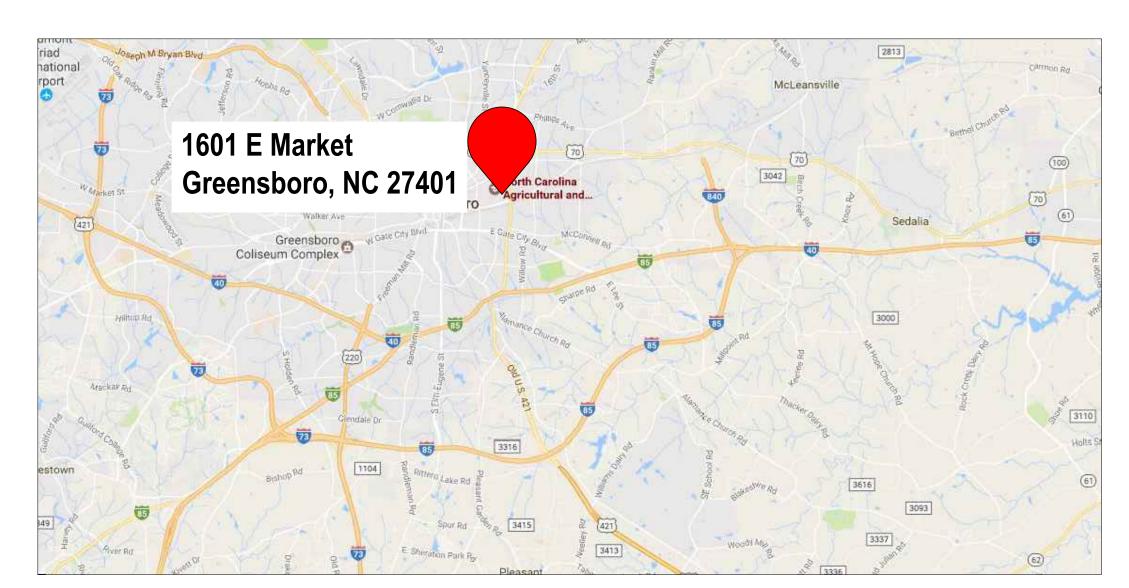


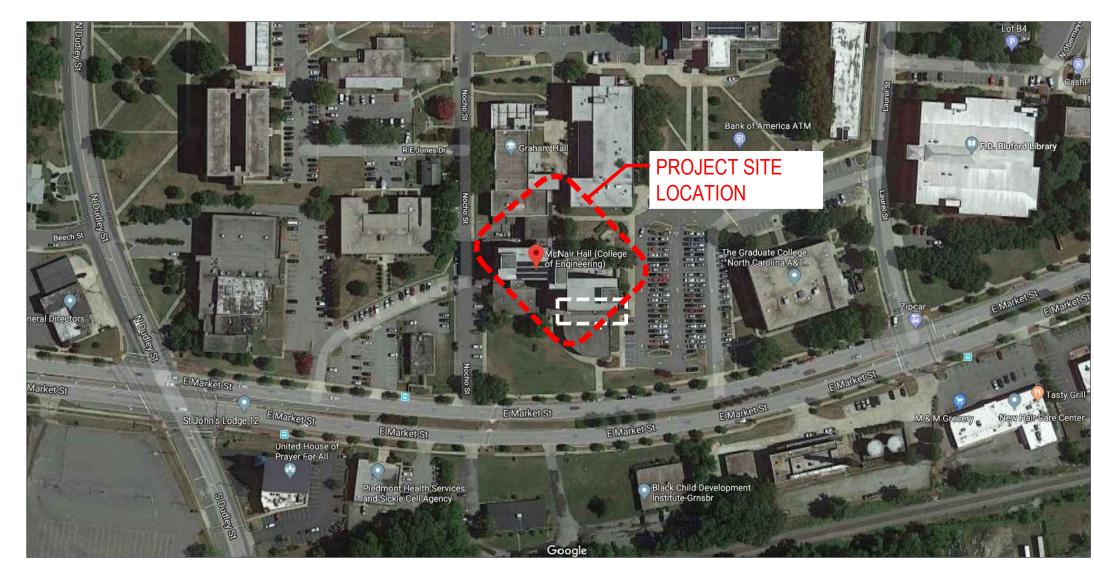
McNair Hall Exterior Facade Repairs Project

NC A&T State University McNair Hall 1601 East Market Street Greensboro, NC 27401 SCO NO: 2326582-01A

Project Location



VICINITY MAP



LOCATION MAP

SCOPE OF WORK

- CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS.
- REMOVE AND REPLACE ALL PERIMETER SEALANT AT WINDOW PERIMETER JOINTS
- REMOVE EXISTING BRICK MASONRY AND THROUGH-WALL FLASHING AS INDICATED ON DRAWINGS AND REPLACE WITH A NEW MINIMUM OF 8 INCHES. END DAMS ARE TO BE INSTALLED AT ALL THROUGH-WALL FLASHING TERMINATIONS.
- AT RIBBON WINDOWS, REMOVE THE EXISTING BRICK MASONRY, CONCRETE INFILL, THROUGH-WALL FLASHING AND EXISTING NEW BRICK MASONRY. END DAMS ARE TO BE INSTALLED AT ALL THROUGH-WALL FLASHING TERMINATIONS.
- a. CONTRACTOR TO CORE EXISTING CONCRETE INFILL AND TEST FOR COMPRESSIVE STRENGTH
- CLEAN AREAS AS INDICATED ON DRAWINGS WITH A MASONRY CLEANER ONCE ALL MASONRY AND SEALANT REMEDIAL REPAIRS ARE COMPLETED AND CURED.
- INSTALL MASONRY PENETRATING SEALER AT AREAS INDICATED ON DRAWINGS.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL ROOFS AND AREAS WHERE WORK WILL BE CONDUCTED. IF ROOF AREAS ARE DAMAGED, CONTACTOR IS REQUIRED TO FIX ROOF MEMBRANE TO A WARRANTABLE STANDARD.

Symbols

ELEVATION/DETAIL/SECTION LABEL

SHADING IDENTIFIES EXISTING CONDITIONS AND NOT IN SCOPE OF WORK

MAXIMUM

ON CENTE

Index of Drawings

A-102 BUILDING ELEVATIONS

A-103 DETAILS

CLIENT

Project Manager

Technical University

Mr. Shaban K. Kaji, PE, M ASCE

North Carolina Agricultural and

Office of the University Engineer

Greensboro, North Carolina 27411

ENGINEERING CONSULTANT

TERRACON CONSULTANTS, INC.

Mr. Stewart S. Swing, E.I., RWC, RRC

Senior Project Manager I Facilities

e:Stewart.Swing@terracon.com

p: 704.594.8905

7327-G West Friendly Ave.

Greensboro, North Carolina

DeHuguley (Facility) Building

1601 East Market Street

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PH. (336) 854-8135 | TERRACON.COI

Terracon NC License No.: F-0869

ENGINEER STATE LICENSE SEAL

PROJECT NAME AND ADDRESS

ISSUE DATE:

10.17.2023 ISSUE FOR:

BID DOCUMENTS NOT FOR CONSTRUCTION

ADDENDUM:

PROJECT TEAM:

APR REVIEWER:

FY226138

SHEET TITLE:

COVER SHEET

Abbreviations



TYPICAL

Terracon G-101

Explore with us

BUILDING CODE SUMN (EXCEPT 1 AND 2-	2018 APPENDIX B MARY FOR ALL COMMERCIFAMILY DWELLINGS AND TOWNHO following data on the building plans sheet 1 or 2	USES)	Gross Building Area Table FLOOR EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL 3rd Floor 0	STORY DESCRIPTION AND (A) (B) (C) (D) NO. USE BLDG AREA PER TABLE 506.2 ⁴ AREA FOR FRONTAGE ALLOWABLE AREA PER STORY (ACTUAL) AREA INCREASE ^{1,5} STORY OR UNLIMITED ^{2,3}
ume of Project: McNair Hall Exterior Idress: 1601 E Market Street, Greensboro, N vner/Authorized Agent: Shaban Kaji	NC Phone # (<u>336</u>) <u>285</u> _ <u>4505</u>	Zip Code 27401 E-Mail Kaji@ncat.edu ■ State	2nd Floor 0 Mezzanine 0 1st Floor 0 Basement 0 TOTAL 0	1 N/A N/A N/A N/A - N/A M N/A N/A N/A N/A - N/A 2 OFFICE
	NAME LICENSE # TELEPHO	NE# E-MAIL	ALLOWABLE AREA Primary Occupancy Classification(s): Assembly A-1 A-2 A-3 A-4 A-5 Business Educational Factory F-1 Moderate F-2 Low	b. Total Building Perimeter =(P) c. Ratio (F/P) =(F/P) d. W = Minimum width of public way =(W) e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 = $ (%) 2 Unlimited area applicable under conditions of Section 507. 3 Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2). 4 The maximum area of open parking garages must comply with Table 406.5.4.
rical Alarm bing nanical akler-Standpipe ttural	Christine Quigley, PE 20723 (704) 594-4	Christine.Quigley@terracon.com	Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM Institutional ☐ I-1 Condition ☐ 1 ☐ 2 ☐ I-2 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ I-4 Mercantile ☐ ☐ I-4 ☐ I-4 <th>5 Frontage increase is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT ALLOWABLE SHOWN ON PLANS CODE REFERENCE 1</th>	5 Frontage increase is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT ALLOWABLE SHOWN ON PLANS CODE REFERENCE 1
ining Walls >5' High her" should include firms and individu BNC BUILDING CODE: New 1st Ti:	Building Addition Renovation ime Interior Completion		Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage Utility and Miscellaneous Accessory Occupancy Classification(s):	Building Height in Feet (Table 504.3) ² Building Height in Stories (Table 504.4) ³ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. The maximum height of air traffic control towers must comply with Table 412.3.1. The maximum height of open parking garages must comply with Table 406.5.4.
proce Phase possil	Core - Contact the local inspection jurisdiction edures and requirements ed Construction - Shell/Core- Contact the local lible additional procedures and requirements E: EXISTING: Prescriptive Repair Alteration: Level I	inspection jurisdiction for	Incidental Uses (Table 509): Special Uses (Chapter 4 – List Code Sections): Special Provisions: (Chapter 5 – List Code Sections): Mixed Occupancy: No Yes Separation: Hr. Exception: 508.2.1 Non-Separated Use (508.3) - The required type of construction for the building shall be determined by	
CONSTRUCTED: (date) 1987 RENOVATED: (date) K CATEGORY (Table 1604.5):	Historic Property CURRENT OCCUPANCY(S) (Ch.: PROPOSED OCCUPANCY(S) (Ch.: Current: I II III III IV Proposed: I II III IV	Change of Use 3):	applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building. Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.	
SIC BUILDING DATA nstruction Type:	□ II-A □ III-A □ IV ■ II-B □ III-B	□ V-A □ V-B □ NFPA 13D		
cial Inspections Required: No	Yes (Contact the local inspection jurisdiction procedures and requirements.)	n tot additional		
8 NC Administrative Code and Policies			2018 NC Administrative Code and Policies	2018 NC Administrative Code and Policies
FIRE ILDING ELEMENT FIRE SEPARATION DISTANCE (FEET)	PROTECTION REQUIREMENTS RATING DETAIL # DESIGN # FOR AND FOR SHEET # RATED ASSEMBLY	RATED FOR PENETRATION RATED	PERCENTAGE OF WALL OPENING CALCULATIONS FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES PROTECTION (%) (%) (%) (%) (%) (%)	ACCESSIBLE DWELLING UNITS (SECTION 1107) UNIT TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TYPE B TOTAL CLASSIFICATION UNITS ACCESSIBLE REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED UNITS
FIRE LDING ELEMENT FIRE SEPARATION DISTANCE (FEET) Inctural Frame, uding columns, girders, ses tring Walls Exterior North	RATING DETAIL # DESIGN # AND FOR RATED ASSEMBLY OHR 1HR 1HR 1HR	RATED FOR PENETRATION RATED	PERCENTAGE OF WALL OPENING CALCULATIONS FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES PROTECTION (%) (TABLE 705.8) LIFE SAFETY SYSTEM REQUIREMENTS	ACCESSIBLE DWELLING UNITS (SECTION 1107) UNIT TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TOTAL CLASSIFICATION UNITS UNITS UNITS UNITS UNITS UNITS UNITS ACCESSIBLE
FIRE LDING ELEMENT SEPARATION DISTANCE (FEET) ctural Frame, adding columns, girders, ses ring Walls Exterior North East West South Interior bearing Walls and itions	RATING DETAIL # DESIGN # AND FOR RATED ASSEMBLY OHR 1HR 1HR	RATED FOR PENETRATION RATED	PERCENTAGE OF WALL OPENING CALCULATIONS FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES PROTECTION (TABLE 705.8) ALLOWABLE AREA (%) (%) (%) (%)	ACCESSIBLE DWELLING UNITS (SECTION 1107) UNIT TOTAL ACCESSIBLE ACCESSIBLE UNITS UNITS UNITS UNITS UNITS PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED PROVIDED PROVIDED
FIRE DING ELEMENT FIRE SEPARATION DISTANCE (FEET) tural Frame, ding columns, girders, es In Walls East West South Interior vearing Walls and ions erior walls North East West South Tior walls and partitions	RATING PROVIDED (W/* REDUCTION) OHR 1HR 1HR 1HR 1HR 1HR 1HR 1HR 0HR 0HR 0HR 0HR 0HR	RATED FOR PENETRATION RATED	PERCENTAGE OF WALL OPENING CALCULATIONS Fire Separation Distance	ACCESSIBLE DWELLING UNITS (SECTION 1107) UNIT TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TOTAL UNITS UNITS UNITS UNITS UNITS UNITS PROVIDED NIA
FIRE DING ELEMENT FIRE SEPARATION DISTANCE (FEET) Tural Frame, ding columns, girders, s ng Walls Exterior North East West South Atterior tearing Walls and tons erior walls North East West South Construction uding supporting beams joists Ceiling Assembly Tems Supporting Floors Construction, including	RATING PROVIDED (W/* REDUCTION) OHR 1HR 1HR 1HR 1HR 1HR 1HR 0HR 0HR 0HR	RATED FOR PENETRATION RATED	PERCENTAGE OF WALL OPENING CALCULATIONS Fire Separation Distance	ACCESSIBLE DWELLING UNITS (SECTION 1107) UNIT TOTAL ACCESSIBLE UNITS UNITS UNITS UNITS UNITS UNITS REQUIRED PROVIDED PR
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PROJECT NAME AND ADDRESS:

's Project 2-01A

NC A&T State University
McNair Hall
or Facade Repairs F
O NO: 23-26582-0

ISSUE DATE:

10.17.2023 ISSUE FOR: BID DOCUMENTS

NOT FOR CONSTRUCTION

ADDENDUM: No.: DATE: DESCRIPTION:

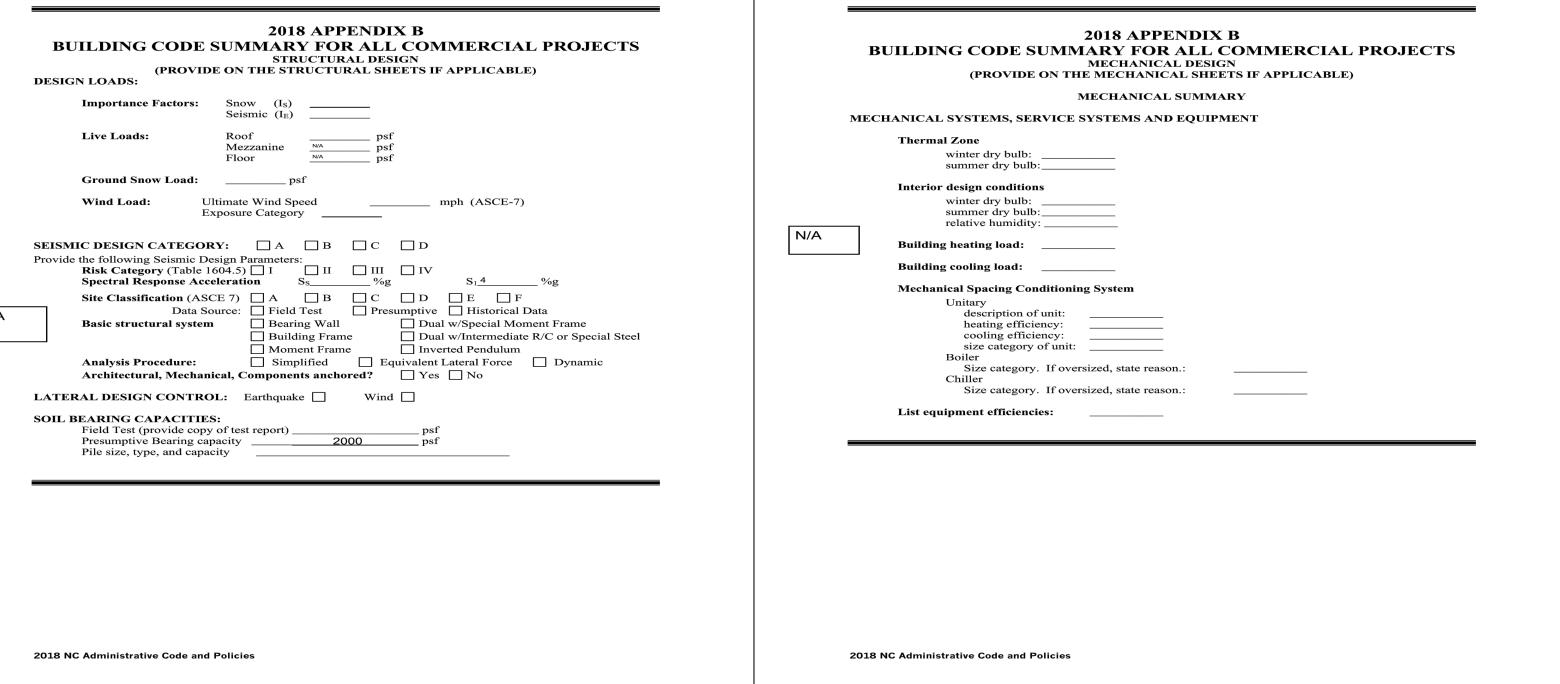
PROJECT TEAM: DESIGNED BY:
SSS
DRAWN BY:
LJG
APR REVIEWER:
LTH

TERRACON'S PROJECT NUMBER: FY226138

SHEET TITLE:

APPENDIX B

	ENERGY SUMMARY BY REQUIREMENTS:		
also be	owing data shall be considered minimum and any special attribute required to meet the energy code shall provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. It mance method, state the annual energy cost for the standard reference design vs annual energy cost for the		D
	design. building envelope complies with code:		
	Building: No Yes (Provide code or statutory reference):		
	Climate Zone: 3A 4A 5A		
	Method of Compliance: Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)		
THERM	IAL ENVELOPE (Prescriptive method only)		
	Roof/ceiling Assembly (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation: Skylights in each assembly:		SI Pr
	U-Value of skylight: total square footage of skylights in each assembly:	N/A	4
	Exterior Walls (each assembly) Description of assembly:		
	U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing)		
	U-Value of assembly: Solar heat gain coefficient:		L
	projection factor: Door R-Values:		S
	Walls below grade (each assembly) Description of assembly:		
	U-Value of total assembly: R-Value of insulation:		_
	Floors over unconditioned space (each assembly) Description of assembly:		
	U-Value of total assembly: R-Value of insulation:		
	Floors slab on grade		
	Description of assembly: U-Value of total assembly: R-Value of insulation:		
	Horizontal/vertical requirement:slab heated:		
2018 NO	Administrative Code and Policies		20
	2018 APPENDIX B ILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS		20
	2018 APPENDIX B		20
BU	2018 APPENDIX B ILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE) ELECTRICAL SUMMARY		20
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ENGINEER STATE LICENSE SEAL

PROJECT NAME AND ADDRESS:

all pairs Project 582-01A

McNair Hall
Facade Repairs F
NO: 23-26582-0

xterior S

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ISSUE DATE:

10.17.2023

ISSUE FOR:
BID DOCUMENTS
NOT FOR CONSTRUCTION

ADDENDUM:

No.: DATE: DESCRIPTION:

PROJECT TEAM:

SSS
DRAWN BY:
LJG
APR REVIEWER:

TERRACON'S PROJECT NUMBER:

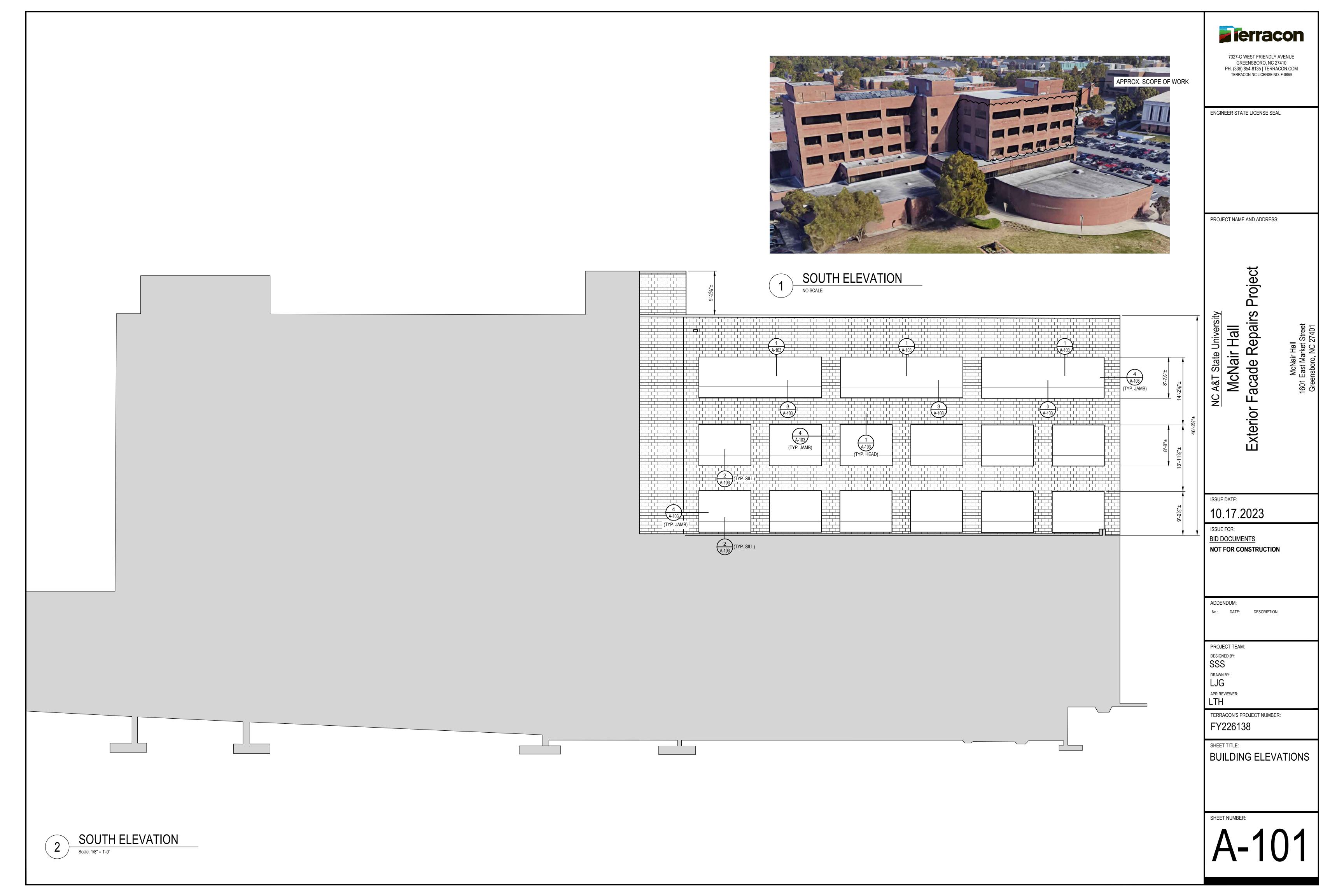
FY226138

SHEET TITLE:

APPENDIX B

EET NUMBER:

G-103





NORTH/EAST ELEVATION
NO SCALE

ENGINEER STATE LICENSE SEAL

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PROJECT NAME AND ADDRESS:

NC A&T State University
McNair Hall
Exterior Facade Repairs Project

ISSUE DATE:

10.17.2023

BID DOCUMENTS NOT FOR CONSTRUCTION

ADDENDUM:

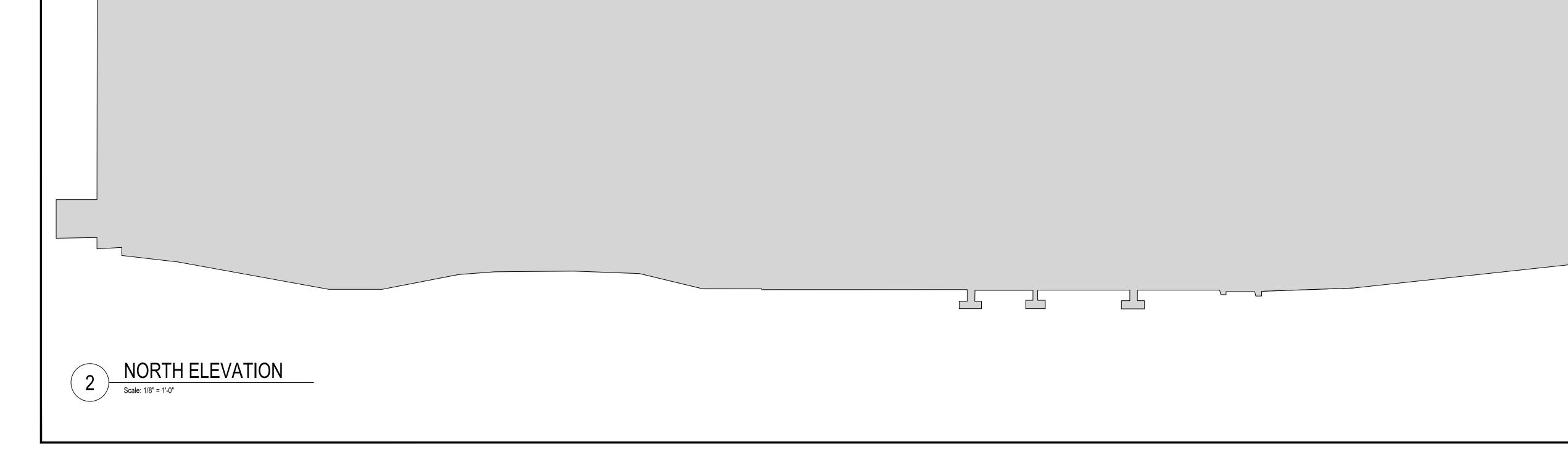
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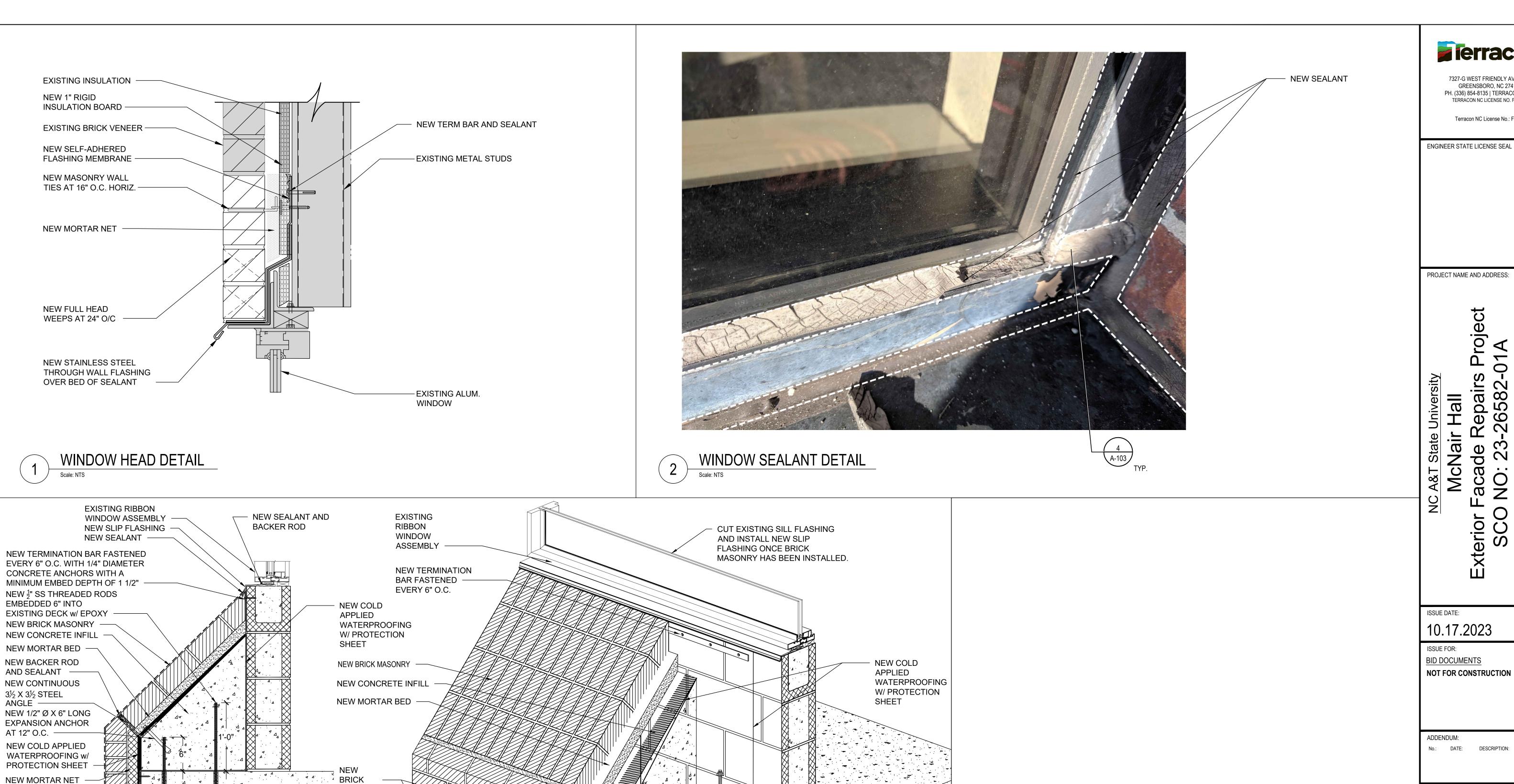
PROJECT TEAM: DRAWN BY: APR REVIEWER:

TERRACON'S PROJECT NUMBER:

FY226138

SHEET TITLE: BUILDING ELEVATIONS





- NEW SEALANT BEAD

THREADED RODS

EXISTING DECK

BAR FASTENED

EVERY 6" O.C.

EMBEDDED 6" INTO

- NEW TERMINATION

NEW MORTAR NET

NEW S.S METAL FLASHING

NEW $\frac{1}{2}$ " SS

NEW MORTAR NET

NEW PENETRATING MASONRY SEALER -

EVERY 12" O.C.—

NEW S.S. METAL

SECTION

REPAIR DETAIL

FLASHING -

NEW FULL **HEAD WEEP** MASONRY

CONTINUOUS

3½ X 3½ STEEL ANGLE W/

WEEP HOLES

DRILLED AT 12"

NEW EXPANSION

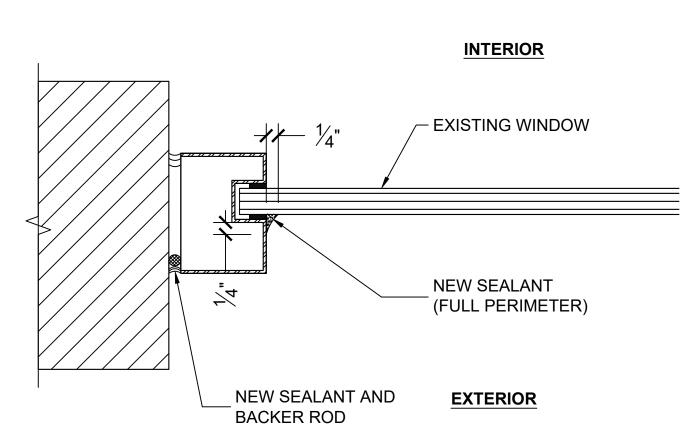
ISOMETRIC

ANCHORS (NOT

SHOWN FOR

CLARITY)

O.C. —



NEW SEALANT (FULL PERIMETER) AT WINDOW (TYP.)

SCALE: 1-1/2" = 1'-0"

APR REVIEWER: LTH TERRACON'S PROJECT NUMBER: FY226138 SHEET TITLE: DETAILS

PROJECT TEAM:

DESIGNED BY: SSS DRAWN BY: LJG

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Hall

SHEET NUMBER: