

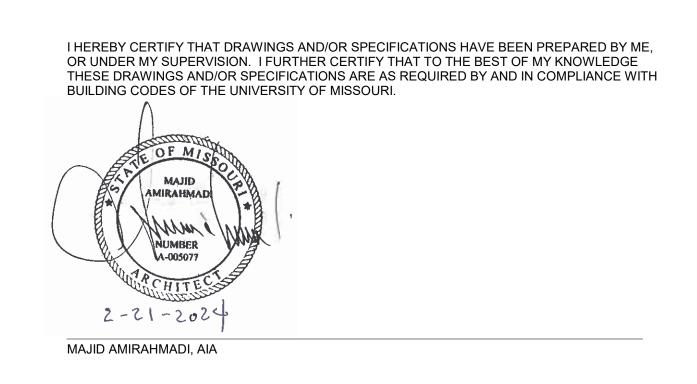
STUDENT RECREATION CENTER

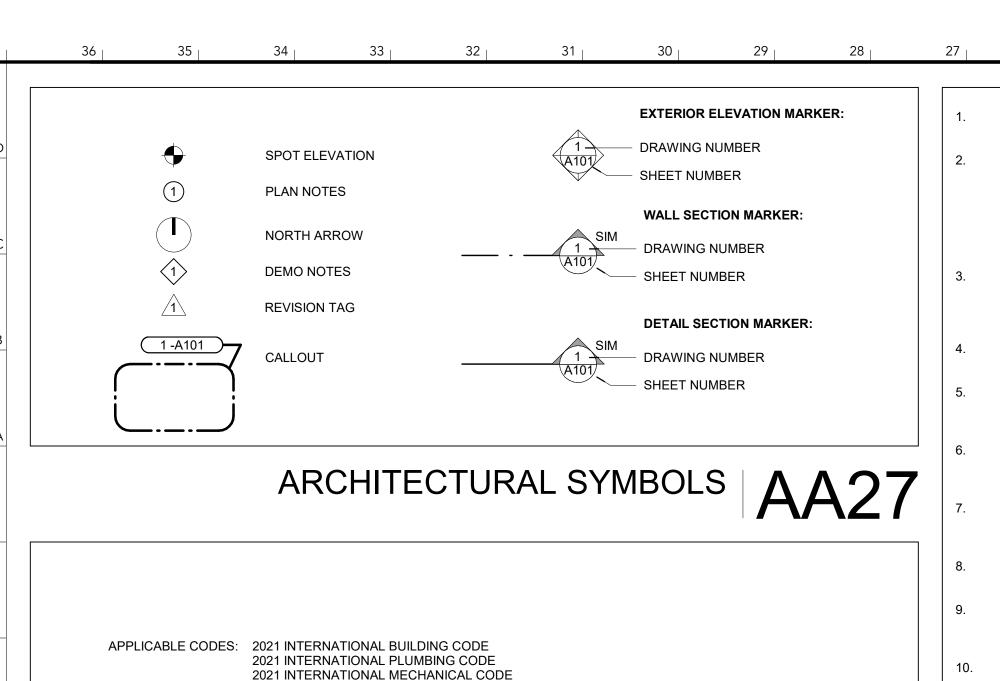
EAST ELEVATION MASONRY REPAIR

FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

ISSUED FOR BID
02/21/2024
CP231201

INTERNATIONAL ARCHITECTS ATELIER





CODE INFORMATION V27

INSTALL TEMPORARY FENCING

AROUND RETAINING WALL

FOR REQUIREMENTS.

(ALTERNATE #1)

ALL TIMES DURING

CONSTRUCTION.

PEDESTRIAN USE

WORK. COORDINATE WITH

OWNER'S REPRESENTATIVE

CONTRACTOR TO COORDINATE

SCHEDULE AT SERVICE ENTRY

DURING USE. SERVICE ENTRY

SHALL REMAIN ACCESSIBLE AT

INSTALL PEDESTRIAN BARRIER

PROTECT EXISTING LIGHT POST

CLOSING OFF SIDEWALK FROM

AS REQUIRED TO KEEP THE SERVICE ENTRY CLEAR

WITH OWNER'S DELIVERY

2021 INTERNATIONAL EXISTING BUILDING CODE

2021 INTERNATIONAL FIRE CODE

2020 NATIONAL ELECTRIC CODE

2010 ADAAG

2019 NFPA 101 LIFE SAFTEY CODE

2021 INTERNATIONAL FUEL GAS CODE

ALL WORK SHALL COMPLY WITH FEDERALLY MANDATED ADA, ALL APPLICABLE CODES, AND STANDARDS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND DRAWINGS SHALL BE

BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE TO PROVIDE THE CONTRACTOR WITH APPROXIMATE SIZES AND ARE NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

CONTRACTOR SHALL USE EXTREME CARE AND TAKE PRECAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE EXISTING ADJACENT FACILITIES. ANY DAMAGE DONE TO EXISTING FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER WITHOUT ADDITIONAL COST TO THE OWNER.

ALL DIMENSIONS ARE NOMINAL AND ARE FINISH TO FINISH OR FACE TO FACE OF CONSTRUCTION UNLESS OTHERWISE NOTED.

UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PATCH OR REPAIR, PAINT OR RESTORE AND REFINISH (AS APPLIES) ALL ADJACENT SURFACES AFFECTED BY NEW CONSTRUCTION OR DEMOLITION.

CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS. COORDINATE DUMPSTER LOCATION AND ACCESS WITH THE OWNER AS

SHOULD ANY DOUBT OR QUESTION ARISE WITH RESPECT TO THE TRUE MEANING OF THE DRAWINGS OR SPECIFICATIONS, REFERENCE SHALL BE MADE TO THE ARCHITECT WHOSE DECISIONS THEREON SHALL BE FINAL AND CONCLUSIVE.

CONTRACTOR SHALL NOT ENGAGE IN ANY ACTIVITY WHICH MAY ENDANGER THE PUBLIC. CONTRACTOR IS REQUIRED, PRIOR TO THE START OF CONSTRUCTION, TO SURVEY

THE AREAS WHICH WOULD BE AFFECTED BY THE CONSTRUCTION FOR DOCUMENTATION OF EXISTING DAMAGES. 10. CONTRACTOR IS ALLOWED TO STORE MATERIALS ONLY IN DESIGNATED LOCATIONS

AS APPROVED BY THE OWNER REPRESENTATIVE. CONTRACTOR IS REQUIRED TO PROVIDE EQUIPMENT AND TOOLS REQUIRED OR

NECESSARY FOR THE OWNER, ARCHITECT, AND ENGINEER TO REVIEW THE

CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTS DURING THE CONSTRUCTION OF THE PROJECT AS REQUIRED FOR THE SAFETY AND SECURITY OF THE PUBLIC FOR ALL AREAS AFFECTED BY CONSTRUCTION AS REQUIRED TO ACHIEVE MIN 1/2 FOOT CANDLE LIGHT LEVEL.

CONSTRUCTION IN PROGRESS AND DURING INSPECTIONS.

13. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND PROTECT THE REQUIRED FIRE EXITS 12. AND ROUTE TO THOSE EXITS AT ALL TIMES.

14. TEMPORARILY COVER ALL ACCESS PATHS USED BY VEHICLES WITH ALTURNAMATS.

PRIOR TO COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND MAKE PROVISION THAT NO INTERRUPTION OF SERVICES OCCUR TO OTHER BUILDING TENANTS. COORDINATE ANY SERVICE INTERRUPTIONS WITH OWNER.

ALL MATERIALS NOT REQUIRED TO BE REMOVED FOR THE EXECUTION OF THE PROJECT SHALL BE LEFT IN PLACE AND PROTECTED FROM DAMAGE DURING DEMOLITION. ANY ITEMS DAMAGED DURING DEMOLITION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

THE OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITIONS OF ITEMS TO BE

CUT AND REMOVE/REPLACE ALL PORTIONS OF EXISTING CONSTRUCTION AS REQUIRED TO ALLOW ACCESS TO ITEMS NOTED FOR DEMOLITION AND FOR PROPER INSTALLATION OF NEW CONSTRUCTION.

AT ANY TIME DURING DEMOLITION, IF ANY CONTRACTOR DISCOVERS HAZARDOUS MATERIALS, STOP WORK AND NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY.

LEAVE ALL MAJOR STRUCTURAL COLUMNS AND BEAMS UNDISTURBED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE REMAINING. IF ANY SUCH CONDITION EXISTS, OR RESULTS DURING THE PROCESS OF DEMOLITION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND ARCHITECT IMMEDIATELY.

ALL DASHED LINES ON DRAWINGS INDICATE ITEMS TO BE REMOVED, U.N.O. REFER TO NOTE 4 FOR ALL INSTANCES NOT DESIGNATED BUT NECESSARY TO ALLOW PERFORMANCE OF SCOPE OF WORK SHOWN.

ALL DEMOLITION MUST REMAIN INSIDE CONSTRUCTION LIMITS, U.N.O.

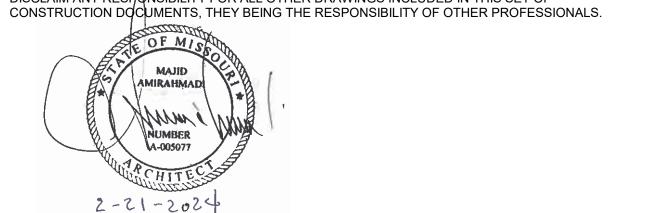
RETAIN AND PROTECT ALL SALVAGEABLE MATERIALS SELECTED BY OWNER AND ARCHITECT FOR REUSE. CONTRACTOR SHALL CATALOG ALL MATERIAL REMOVED FOR SALVAGE WITH ORIGINAL LOCATION AND LOCATION OF STORAGE. ALL SALVAGED MATERIALS SHALL BE CLEANED AND STORED IN A DRY PLACE ON THE SITE, ELEVATED OFF THE GROUND WITH ADEQUATE AIR FLOW AND PROTECTION FROM THE WEATHER AS NECESSARY.

NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN/ADJOINING CONSTRUCTION.

CONTRACTOR SHALL COMPLETELY REMOVE ALL DEMOLISHED MATERIALS FROM SITE ALL DEMOLISHED MATERIALS WILL BECOME PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED, OR AS OTHERWISE NOTED OR INSTRUCTED. AND TO BE DISPOSED OF LEGALLY. REMOVE DEBRIS, RUBBISH, AND OTHER MATERIALS DAILY

CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK REQUIRED FOR ONE TRADE WITH OTHER TRADES THAT WILL BE AFFECTED BY THAT WORK. CONTRACTOR SHALL MAINTAIN THE BUILDING ENVELOPE TO BE WATER TIGHT AT THE

I, MAJID AMIRAHMADI, MISSOURI REGISTERED ARCHITECT, DO HEREBY ACCEPT PROFESSIONAL RESPONSIBILITY FOR THE ATTACHED ARCHITECTURAL DRAWINGS. I HEREBY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER DRAWINGS INCLUDED IN THIS SET OF



PROFESSIONAL DISCLAIMER | AA6

MAJID AMIRAHMADI, AIA INTERNATIONAL ARCHITECTS ATELIER

DELEGATED DESIGN ITEMS:

THERE ARE NO DELEGATED DESIGN ITEMS FOR THIS PROJECT.

THERE ARE NO SPECIAL INSPECTIONS FOR THIS PROJECT.

THE FOLLOWING SPECIAL INSPECTIONS SHALL BE PERFORMED:

A502 TYPICAL MASONRY RESTORATION DETAILS

A800 MASONRY RESTORATION PHOTOS

SHEET INDEX - GENERAL

G001 GENERAL INFORMATION

SHEET INDEX - ARCHITECTURAL

A200 EXTERIOR ELEVATIONS

A201 EXTERIOR ELEVATIONS

A202 EXTERIOR ELEVATIONS

A203 RETAINING WALL - ALT. 1

A501 SECTION DETAILS

A500 WALL SECTION AND DETAILS

D200 EAST DEMOLITION ELEVATIONS

D500 DEMOLITION WALL SECTIONS & DETAILS

D501 OUTDOOR REC WALL DEMOLITION DETAILS

G000 COVER SHEET

MASONRY REPAIRS. REMOVAL AND REINSTALLATION OF THE GUARDRAIL, AND 100% TUCKPOINTING & CLEANING SHALL BE DONE FOR THE RETAINING WALL AND SITE WALLS AT THE SERVICE ENTRY. REFER TO DRAWING SHEET A203 FOR WALL LOCATIONS AND DETAILS.

FOR THE CURATORS OF

THE UNIVESITY OF MISSOURI

INTERNATIONAL ARCHITECTS ATELIER

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MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

STUDENT RECREATION **CENTER - EAST**

PROJECT LOCATION

1000 ROLLINS ST

COLUMBIA, MO 65203

ISSUED FOR BID

ELEVATION

MASONRY REPAIR

1000 Rollins St, Columbia, MO 65203

02/21/2024 CP231201 PROJ. NO.: **DESIGNED BY** CHECKED BY: APPROVED BY:

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> GENERAL INFORMATION

G001

END OF EACH DAY, REGARDLESS OF WEATHER FORECAST. GENERAL NOTES $\sqrt{21}$ GENERAL DEMOLITION NOTES $\sqrt{14}$

SPECIAL INSPECTIONS

1. PROTECT ALL ABOVE GROUND DRIP LINES AT LANDSCAPED AREAS WITHIN CONSTRUCTION LIMITS DURING CONSTRUCTION. COORDINATE WITH OWNER TO MARK LOCATIONS OF IRRIGATION BUILDING WALLS.

2. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS & RESTORE THE SITE TO THE OWNER'S COMPLETE SATISFACTION, AND READY FOR LANDSCAPING. REFER TO THE SPECIAL CONDITIONS OF THE FRONT END SPECIFICATIONS FOR ADDITIONAL INFORMATION.

3. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE FOR ANY REQUIRED TEMPORARY CLOSURES AND/OR FENCING AT SIDEWALKS AROUND FACILITY FOR LIFT ACCESS TO

4. CONTRACTOR TO COORDINATE OWNER'S DELIVERY SCHEDULE AT LOADING DOCK AS REQUIRED TO KEEP LOADING DOCK CLEAR DURING DELIVERIES. LOADING DOCK SHALL REMAIN ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION.

PROVIDE TEMPORARY COVERED WALKWAYS OVER THE EXIT/EXIT EGRESS FROM OVERHEAD CONTRUCTION ACTIVITIES. EXTENTS OF COVERED WALKWAY SHALL EXTEND TO DISTANCE FROM BUILDING PER IBC 2021 - TABLE 3306.1. CONSTRUCTION OF COVERED WALKWAYS SHALL BE IN ACCORANCE WITH IBC 2021 - SECTION 3306.7. ALL ENTRIES AND EGRESS PATHS AT THE COMPLEX SHALL REMAIN OPEN AT ALL TIMES. COORDINATE ANY TEMPORARY CLOSURES WITH THE OWNER'S REPRESENTATIVE.

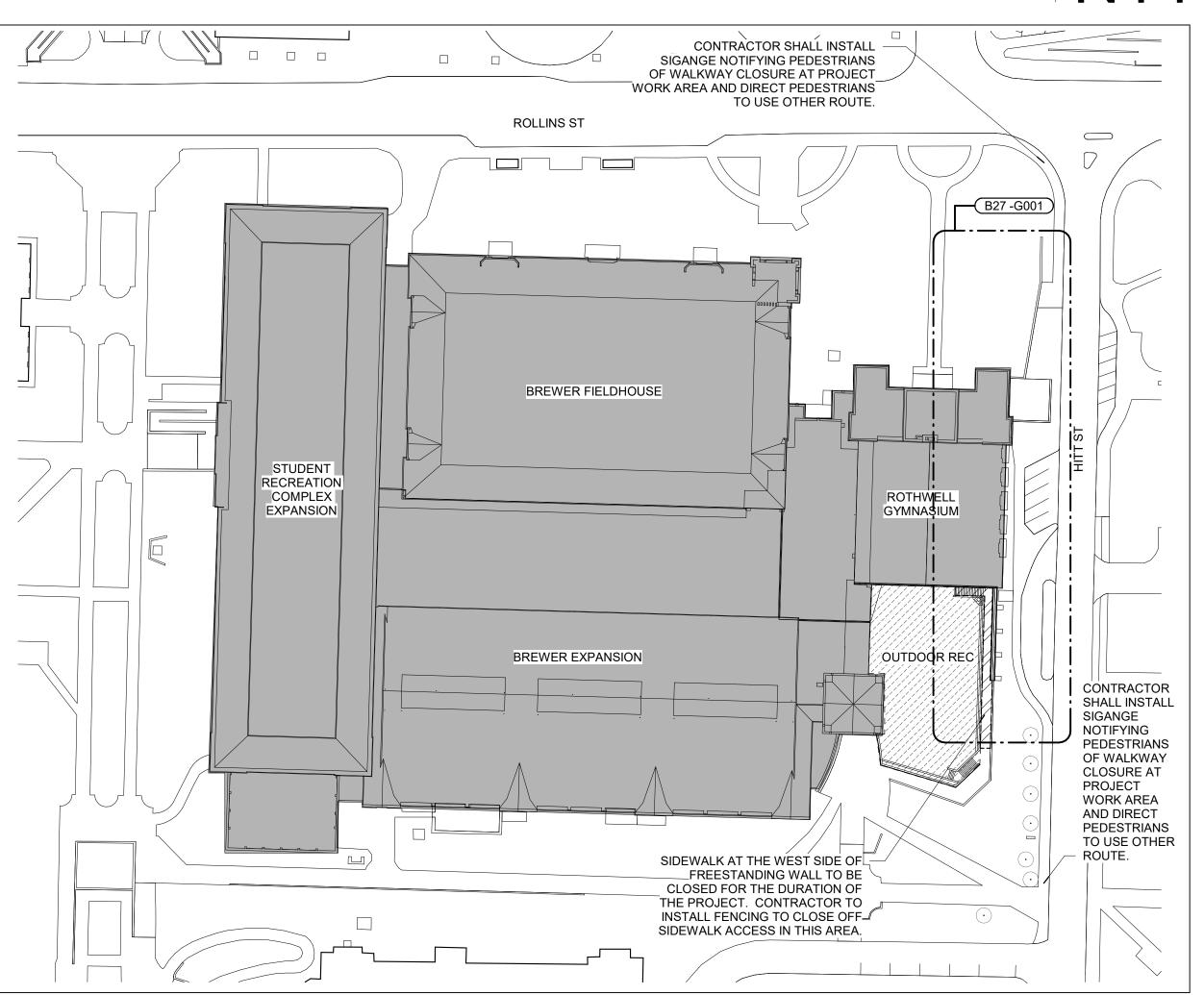
PROVIDE PROTECTION BOARDS OVER ADJACENT LOWER ROOF DURING MASONRY RESTORATION. EXISTING TREE TO REMAIN. PROTECT TREES AS REQUIRED FROM OVERHEAD MASONRY REPAIRS. STAY OUT OF TREE'S DRIP LINE AND AVOID DRIVING OR STORING ANY MATERIALS OVER TREE'S ROOTS.

EXISTING PLANTING BEDS, SHRUBS, AND LANDSCAPING TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION. INSTALL WEED MAT (INCLUDING UNDERNEATH SCAFFOLDING) UP TO BUILDING WALLS TO PROTECT SOIL FROM MASONRY AND SEALANT JOINT DEBRIS FROM DAMAGING THE SOIL QUALITY. AND ALLOWING FOR MOISTURE TO ENTER. FUNNEL WEED MAT TO A RECESSED AREA TO DIVERT AND COLLECT DEBRIS IN A CONCENTRATED AREA TO BE CLEARED DAILY BY THE CONTRACTOR. COORDINATE ANY NEEDED TRIMMING OF LANDSCAPING WITH OWNER'S REPRESENTATIVE. MU LANDSCAPE SERVICES WILL REMOVE LARGE SHRUBS IN FRONT OF SCREEN WALL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOT DO ANY OF THE TRIMMING

6'-0" TALL CHAIN LINK CONTRUCTION FENCING 8'-0" TALL PEDESTRIAN BARRIER. CONTRUCT IN ACCORDANCE WITH IBC 2021 - SECTION 3306.6.

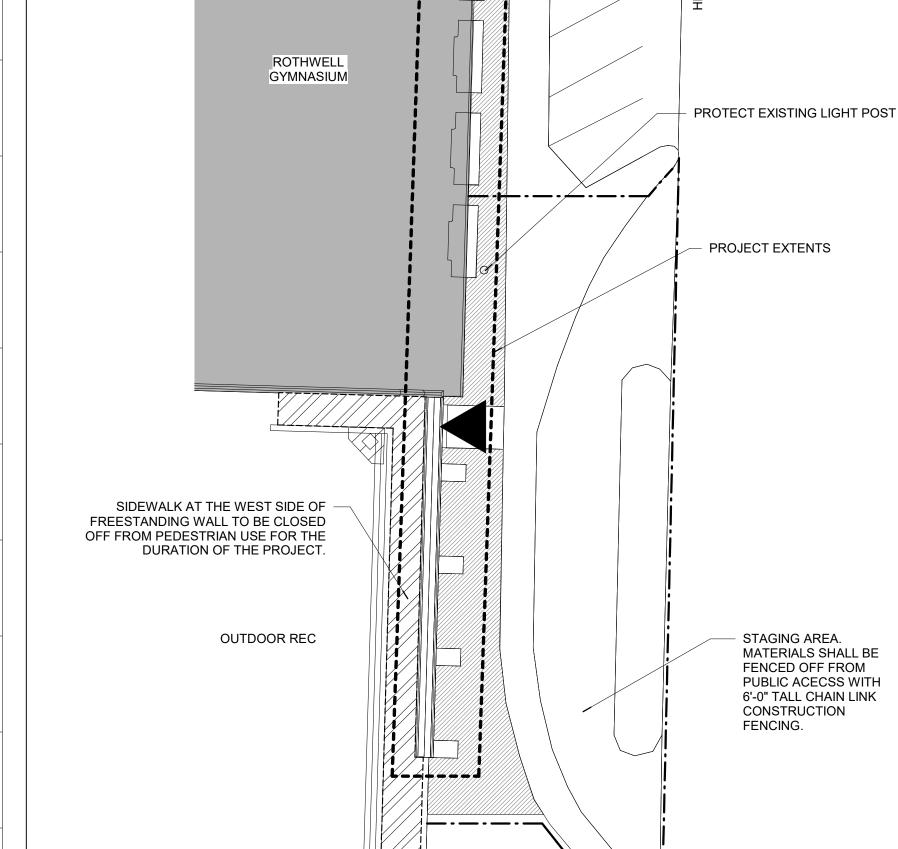
PROVIDE TEMPORARY PROTECTION OVER THE EXIT/EXIT EGRESS DURING THE EXTENTS OF MASONRY RESTORATION, AND FOR ALL OVERHEAD CONSTRUCTION ACTIVITIES. ALL ENTRIES AND EXITS AT THE COMPLEX SHALL REMAIN OPEN AT ALL TIMES.

SITE / STAGING PLAN NOTES | N14



SITE ACCESS & STAGING PLAN SCALE: 1" = 60'-0" B14

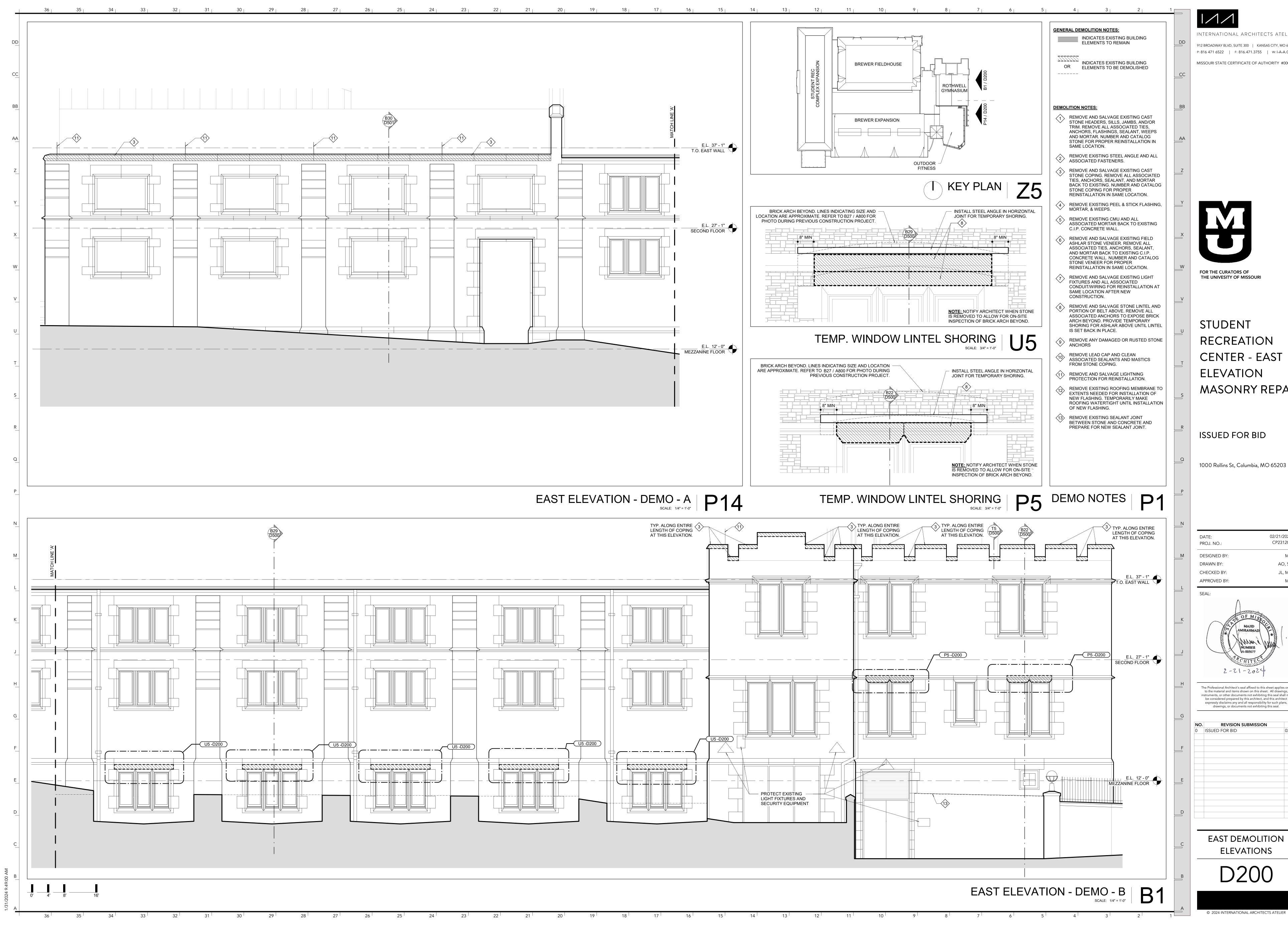
VICINITY MAP B1



ACCESS & STAGING PLAN B27 1 30' 60' 120'

_HOSPITAL DR

LAKE ST



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CENTER - EAST MASONRY REPAIR

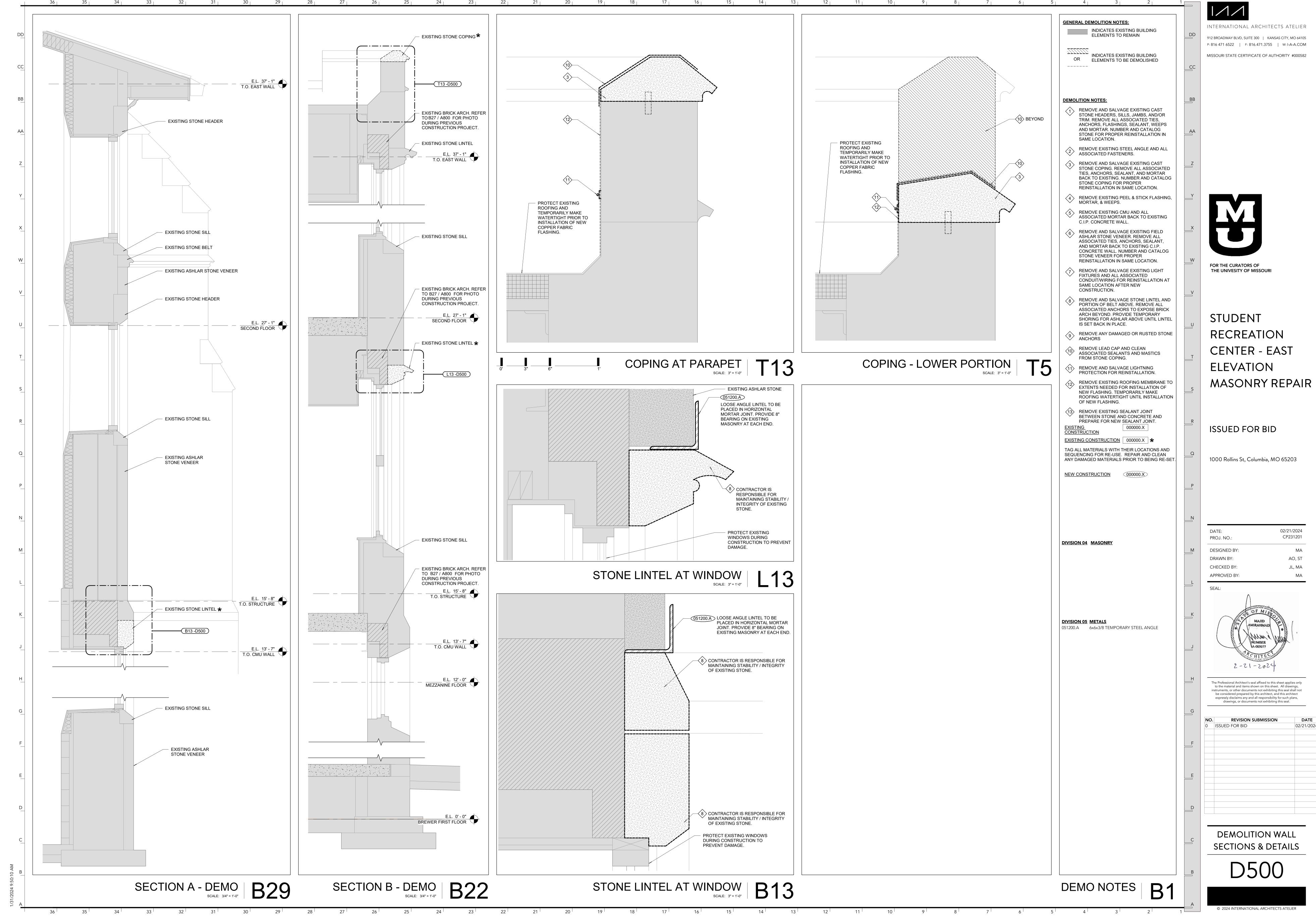
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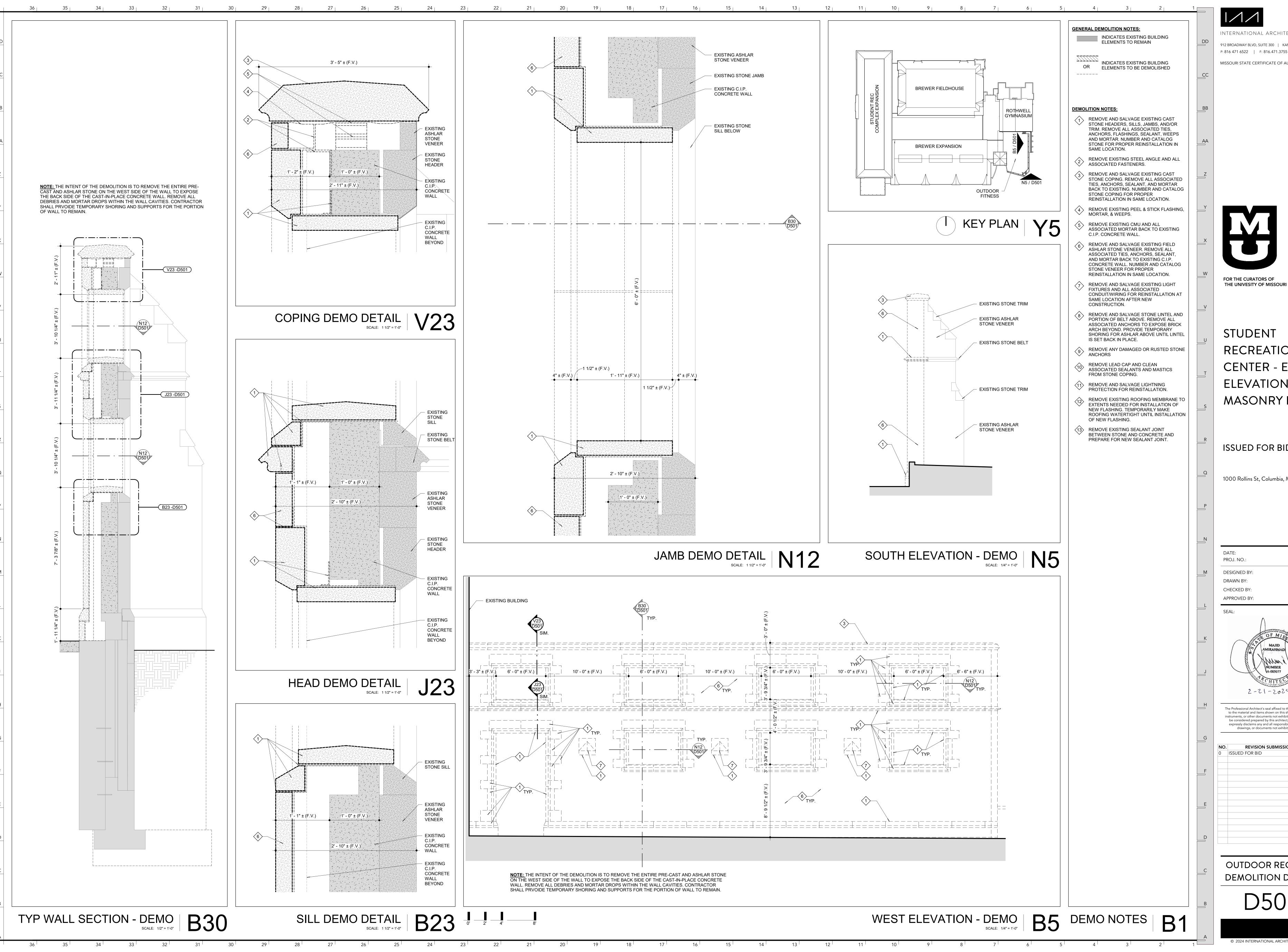
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ELEVATIONS



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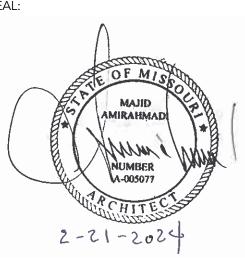
FOR THE CURATORS OF

STUDENT RECREATION **CENTER - EAST ELEVATION** MASONRY REPAIR

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1000 Rollins St, Columbia, MO 65203

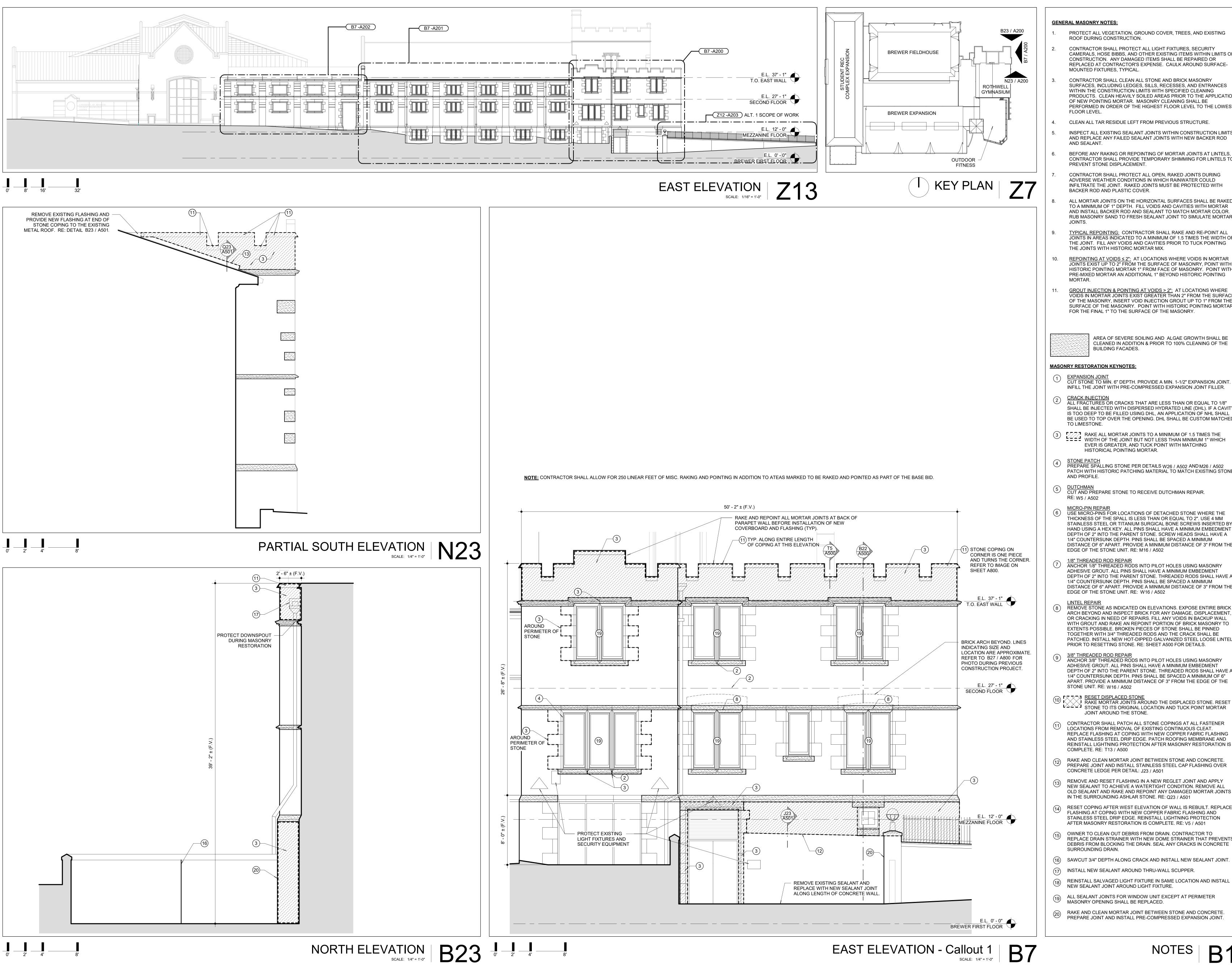
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OUTDOOR REC WALL DEMOLITION DETAILS





- PROTECT ALL VEGETATION, GROUND COVER, TREES, AND EXISTING ROOF DURING CONSTRUCTION.
 - CONTRACTOR SHALL PROTECT ALL LIGHT FIXTURES, SECURITY CAMERALS, HOSE BIBBS, AND OTHER EXISTING ITEMS WITHIN LIMITS OF CONSTRUCTION. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE. CAULK AROUND SURFACE-MOUNTED FIXTURES, TYPICAL.
 - CONTRACTOR SHALL CLEAN ALL STONE AND BRICK MASONRY SURFACES, INCLUDING LEDGES, SILLS, RECESSES, AND ENTRANCES WITHIN THE CONSTRUCTION LIMITS WITH SPECIFIED CLEANING PRODUCTS. CLEAN HEAVILY SOILED AREAS PRIOR TO THE APPLICATION OF NEW POINTING MORTAR. MASONRY CLEANING SHALL BE PERFORMED IN ORDER OF THE HIGHEST FLOOR LEVEL TO THE LOWEST
 - CLEAN ALL TAR RESIDUE LEFT FROM PREVIOUS STRUCTURE.
 - INSPECT ALL EXISTING SEALANT JOINTS WITHIN CONSTRUCTION LIMITS AND REPLACE ANY FAILED SEALANT JOINTS WITH NEW BACKER ROD
 - BEFORE ANY RAKING OR REPOINTING OF MORTAR JOINTS AT LINTELS. CONTRACTOR SHALL PROVIDE TEMPORARY SHIMMING FOR LINTELS TO PREVENT STONE DISPLACEMENT.
 - CONTRACTOR SHALL PROTECT ALL OPEN, RAKED JOINTS DURING ADVERSE WEATHER CONDITIONS IN WHICH RAINWATER COULD INFILTRATE THE JOINT. RAKED JOINTS MUST BE PROTECTED WITH BACKER ROD AND PLASTIC COVER.
 - ALL MORTAR JOINTS ON THE HORIZONTAL SURFACES SHALL BE RAKED TO A MINIMUM OF 1" DEPTH. FILL VOIDS AND CAVITIES WITH MORTAR AND INSTALL BACKER ROD AND SEALANT TO MATCH MORTAR COLOR. RUB MASONRY SAND TO FRESH SEALANT JOINT TO SIMULATE MORTAR
 - TYPICAL REPOINTING: CONTRACTOR SHALL RAKE AND RE-POINT ALL JOINTS IN AREAS INDICATED TO A MINIMUM OF 1.5 TIMES THE WIDTH OF THE JOINT. FILL ANY VOIDS AND CAVITIES PRIOR TO TUCK POINTING THE JOINTS WITH HISTORIC MORTAR MIX.
 - REPOINTING AT VOIDS ≤ 2": AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST UP TO 2" FROM THE SURFACE OF MASONRY, POINT WITH HISTORIC POINTING MORTAR 1" FROM FACE OF MASONRY. POINT WITH PRE-MIXED MORTAR AN ADDITIONAL 1" BEYOND HISTORIC POINTING
- GROUT INJECTION & POINTING AT VOIDS > 2": AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST GREATER THAN 2" FROM THE SURFACE OF THE MASONRY, INSERT VOID INJECTION GROUT UP TO 1" FROM THE SURFACE OF THE MASONRY. POINT WITH HISTORIC POINTING MORTAR FOR THE FINAL 1" TO THE SURFACE OF THE MASONRY.

AREA OF SEVERE SOILING AND ALGAE GROWTH SHALL BE CLEANED IN ADDITION & PRIOR TO 100% CLEANING OF THE BUILDING FACADES.

MASONRY RESTORATION KEYNOTES

- EXPANSION JOINT
 CUT STONE TO MIN. 6" DEPTH. PROVIDE A MIN. 1-1/2" EXPANSION JOINT.
- INFILL THE JOINT WITH PRE-COMPRESSED EXPANSION JOINT FILLER.
- ALL FRACTURES OR CRACKS THAT ARE LESS THAN OR EQUAL TO 1/8" SHALL BE INJECTED WITH DISPERSED HYDRATED LINE (DHL). IF A CAVITY IS TOO DEEP TO BE FILLED USING DHL, AN APPLICATION OF NHL SHALL BE USED TO TOP OVER THE OPENING. DHL SHALL BE CUSTOM MATCHED TO LIMESTONE.
- (3) 5777 RAKE ALL MORTAR JOINTS TO A MINIMUM OF 1.5 TIMES THE WIDTH OF THE JOINT BUT NOT LESS THAN MINIMUM 1" WHICH EVER IS GREATER, AND TUCK POINT WITH MATCHING HISTORICAL POINTING MORTAR.
- STONE PATCH
 PREPARE SPALLING STONE PER DETAILS W26 / A502 AND M26 / A502 PATCH WITH HISTORIC PATCHING MATERIAL TO MATCH EXISTING STONE
- 5 DUTCHMAN CUT AND PREPARE STONE TO RECEIVE DUTCHMAN REPAIR.
- (6) USE MICRO-PINS FOR LOCATIONS OF DETACHED STONE WHERE THE THICKNESS OF THE SPALL IS LESS THAN OR EQUAL TO 2". USE 4 MM STAINLESS STEEL OR TITANIUM SURGICAL BONE SCREWS INSERTED BY HAND USING A HEX KEY. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. SCREW HEADS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: M16 / A502
- 1/8" THREADED ROD REPAIR
 ANCHOR 1/8" THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: W16 / A502
- LINTEL REPAIR
 REMOVE STONE AS INDICATED ON ELEVATIONS. EXPOSE ENTIRE BRICK ARCH BEYOND AND INSPECT BRICK FOR ANY DAMAGE, DISPLACEMENT, OR CRACKING IN NEED OF REPAIRS. FILL ANY VOIDS IN BACKUP WALL WITH GROUT AND RAKE AN REPOINT PORTION OF BRICK MASONRY TO EXTENTS POSSIBLE. BROKEN PIECES OF STONE SHALL BE PINNED TOGETHER WITH 3/4" THREADED RODS AND THE CRACK SHALL BE PATCHED. INSTALL NEW HOT-DIPPED GALVANIZED STEEL LOOSE LINTEL PRIOR TO RESETTING STONE. RE: SHEET A500 FOR DETAILS.
- 3/8" THREADED ROD REPAIR
 ANCHOR 3/8" THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE
- STONE UNIT. RE: W16 / A502 RESET DISPLACED STONE
 RAKE MORTAR JOINTS AROUND THE DISPLACED STONE. RESET STONE TO ITS ORIGINAL LOCATION AND TUCK POINT MORTAR
- JOINT AROUND THE STONE. CONTRACTOR SHALL PATCH ALL STONE COPINGS AT ALL FASTENER LOCATIONS FROM REMOVAL OF EXISTING CONTINUOUS CLEAT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. PATCH ROOFING MEMBRANE AND
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL STAINLESS STEEL CAP FLASHING OVER CONCRETE LEDGE PER DETAIL: J23 / A501
- REMOVE AND RESET FLASHING IN A NEW REGLET JOINT AND APPLY NEW SEALANT TO ACHIEVE A WATERTIGHT CONDITION. REMOVE ALL OLD SEALANT AND RAKE AND REPOINT ANY DAMAGED MORTAR JOINTS IN THE SURROUNDING ASHLAR STONE. RE: Q23 / A501
- RESET COPING AFTER WEST ELEVATION OF WALL IS REBUILT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. REINSTALL LIGHTNING PROTECTION AFTER MASONRY RESTORATION IS COMPLETE. RE: V5 / A501
- OWNER TO CLEAN OUT DEBRIS FROM DRAIN. CONTRACTOR TO REPLACE DRAIN STRAINER WITH NEW DOME STRAINER THAT PREVENTS DEBRIS FROM BLOCKING THE DRAIN. SEAL ANY CRACKS IN CONCRETE SURROUNDING DRAIN.
- (16) SAWCUT 3/4" DEPTH ALONG CRACK AND INSTALL NEW SEALANT JOINT. (17) INSTALL NEW SEALANT AROUND THRU-WALL SCUPPER.
- REINSTALL SALVAGED LIGHT FIXTURE IN SAME LOCATION AND INSTALL NEW SEALANT JOINT AROUND LIGHT FIXTURE.
- ALL SEALANT JOINTS FOR WINDOW UNIT EXCEPT AT PERIMETER MASONRY OPENING SHALL BE REPLACED.
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL PRE-COMPRESSED EXPANSION JOINT.

NOTES **B**1 INTERNATIONAL ARCHITECTS ATELIER

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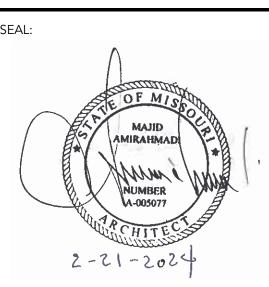


STUDENT RECREATION **CENTER - EAST ELEVATION** MASONRY REPAIR

ISSUED FOR BID

1000 Rollins St, Columbia, MO 65203

DATE: PROJ. NO.:	02/21/2024 CP231201
DESIGNED BY:	MA
DRAWN BY:	AO, ST
CHECKED BY:	JL, MA
APPROVED BY:	MA



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NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	02/21/2024

EXTERIOR ELEVATIONS



0' 2' 4'

- PROTECT ALL VEGETATION, GROUND COVER, TREES, AND EXISTING
 - CONTRACTOR SHALL PROTECT ALL LIGHT FIXTURES, SECURITY CAMERALS. HOSE BIBBS. AND OTHER EXISTING ITEMS WITHIN LIMITS OF CONSTRUCTION. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE. CAULK AROUND SURFACE-
 - CONTRACTOR SHALL CLEAN ALL STONE AND BRICK MASONRY SURFACES, INCLUDING LEDGES, SILLS, RECESSES, AND ENTRANCES WITHIN THE CONSTRUCTION LIMITS WITH SPECIFIED CLEANING PRODUCTS. CLEAN HEAVILY SOILED AREAS PRIOR TO THE APPLICATION OF NEW POINTING MORTAR. MASONRY CLEANING SHALL BE PERFORMED IN ORDER OF THE HIGHEST FLOOR LEVEL TO THE LOWEST
- 4. CLEAN ALL TAR RESIDUE LEFT FROM PREVIOUS STRUCTURE.
- AND REPLACE ANY FAILED SEALANT JOINTS WITH NEW BACKER ROD
- BEFORE ANY RAKING OR REPOINTING OF MORTAR JOINTS AT LINTELS, CONTRACTOR SHALL PROVIDE TEMPORARY SHIMMING FOR LINTELS TO
- CONTRACTOR SHALL PROTECT ALL OPEN, RAKED JOINTS DURING ADVERSE WEATHER CONDITIONS IN WHICH RAINWATER COULD INFILTRATE THE JOINT. RAKED JOINTS MUST BE PROTECTED WITH
- ALL MORTAR JOINTS ON THE HORIZONTAL SURFACES SHALL BE RAKED TO A MINIMUM OF 1" DEPTH. FILL VOIDS AND CAVITIES WITH MORTAR AND INSTALL BACKER ROD AND SEALANT TO MATCH MORTAR COLOR. RUB MASONRY SAND TO FRESH SEALANT JOINT TO SIMULATE MORTAR
- TYPICAL REPOINTING: CONTRACTOR SHALL RAKE AND RE-POINT ALL JOINTS IN AREAS INDICATED TO A MINIMUM OF 1.5 TIMES THE WIDTH OF
- REPOINTING AT VOIDS ≤ 2": AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST UP TO 2" FROM THE SURFACE OF MASONRY, POINT WITH HISTORIC POINTING MORTAR 1" FROM FACE OF MASONRY. POINT WITH PRE-MIXED MORTAR AN ADDITIONAL 1" BEYOND HISTORIC POINTING
- GROUT INJECTION & POINTING AT VOIDS > 2": AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST GREATER THAN 2" FROM THE SURFACE OF THE MASONRY, INSERT VOID INJECTION GROUT UP TO 1" FROM THE SURFACE OF THE MASONRY. POINT WITH HISTORIC POINTING MORTAR

AREA OF SEVERE SOILING AND ALGAE GROWTH SHALL BE CLEANED IN ADDITION & PRIOR TO 100% CLEANING OF THE

- CUT STONE TO MIN. 6" DEPTH. PROVIDE A MIN. 1-1/2" EXPANSION JOINT. INFILL THE JOINT WITH PRE-COMPRESSED EXPANSION JOINT FILLER.
- ALL FRACTURES OR CRACKS THAT ARE LESS THAN OR EQUAL TO 1/8" SHALL BE INJECTED WITH DISPERSED HYDRATED LINE (DHL). IF A CAVITY IS TOO DEEP TO BE FILLED USING DHL, AN APPLICATION OF NHL SHALL BE USED TO TOP OVER THE OPENING. DHL SHALL BE CUSTOM MATCHED
- RAKE ALL MORTAR JOINTS TO A MINIMUM OF 1.5 TIMES THE WIDTH OF THE JOINT BUT NOT LESS THAN MINIMUM 1" WHICH EVER IS GREATER, AND TUCK POINT WITH MATCHING
- STONE PATCH
 PREPARE SPALLING STONE PER DETAILS W26 / A502 AND M26 / A502 PATCH WITH HISTORIC PATCHING MATERIAL TO MATCH EXISTING STONE
- 5 DUTCHMAN CUT AND PREPARE STONE TO RECEIVE DUTCHMAN REPAIR.
- (6) MICRO-PIN REPAIR
 USE MICRO-PINS FOR LOCATIONS OF DETACHED STONE WHERE THE THICKNESS OF THE SPALL IS LESS THAN OR EQUAL TO 2". USE 4 MM STAINLESS STEEL OR TITANIUM SURGICAL BONE SCREWS INSERTED BY HAND USING A HEX KEY. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. SCREW HEADS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE
- 1/8" THREADED ROD REPAIR
 ANCHOR 1/8" THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE
- LINTEL REPAIR
 REMOVE STONE AS INDICATED ON ELEVATIONS. EXPOSE ENTIRE BRICK ARCH BEYOND AND INSPECT BRICK FOR ANY DAMAGE, DISPLACEMENT, OR CRACKING IN NEED OF REPAIRS. FILL ANY VOIDS IN BACKUP WALL WITH GROUT AND RAKE AN REPOINT PORTION OF BRICK MASONRY TO EXTENTS POSSIBLE. BROKEN PIECES OF STONE SHALL BE PINNED TOGETHER WITH 3/4" THREADED RODS AND THE CRACK SHALL BE PATCHED. INSTALL NEW HOT-DIPPED GALVANIZED STEEL LOOSE LINTEL PRIOR TO RESETTING STONE. RE: SHEET A500 FOR DETAILS.
- 3/8" THREADED ROD REPAIR
 ANCHOR 3/8" THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE
- RESET DISPLACED STONE
 RAKE MORTAR JOINTS AROUND THE DISPLACED STONE. RESET STONE TO ITS ORIGINAL LOCATION AND TUCK POINT MORTAR
- CONTRACTOR SHALL PATCH ALL STONE COPINGS AT ALL FASTENER LOCATIONS FROM REMOVAL OF EXISTING CONTINUOUS CLEAT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. PATCH ROOFING MEMBRANE AND
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL STAINLESS STEEL CAP FLASHING OVER
- REMOVE AND RESET FLASHING IN A NEW REGLET JOINT AND APPLY NEW SEALANT TO ACHIEVE A WATERTIGHT CONDITION. REMOVE ALL OLD SEALANT AND RAKE AND REPOINT ANY DAMAGED MORTAR JOINTS
- RESET COPING AFTER WEST ELEVATION OF WALL IS REBUILT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. REINSTALL LIGHTNING PROTECTION AFTER MASONRY RESTORATION IS COMPLETE. RE: V5 / A501
- REPLACE DRAIN STRAINER WITH NEW DOME STRAINER THAT PREVENTS DEBRIS FROM BLOCKING THE DRAIN. SEAL ANY CRACKS IN CONCRETE
- (16) SAWCUT 3/4" DEPTH ALONG CRACK AND INSTALL NEW SEALANT JOINT. (17) INSTALL NEW SEALANT AROUND THRU-WALL SCUPPER.
- REINSTALL SALVAGED LIGHT FIXTURE IN SAME LOCATION AND INSTALL NEW SEALANT JOINT AROUND LIGHT FIXTURE.

BREWER FIRST FLOOR

EAST ELEVATION - Callout 2
SCALE: 1/4" = 1'-0"

B
7

- (19) ALL SEALANT JOINTS FOR WINDOW UNIT EXCEPT AT PERIMETER MASONRY OPENING SHALL BE REPLACED.
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL PRE-COMPRESSED EXPANSION JOINT.

NOTES **B**1

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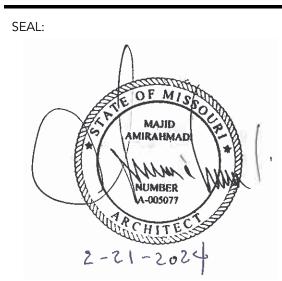


STUDENT RECREATION **CENTER - EAST ELEVATION** MASONRY REPAIR

ISSUED FOR BID

1000 Rollins St, Columbia, MO 65203

02/21/2024 CP231201 PROJ. NO.: **DESIGNED BY:** CHECKED BY: APPROVED BY:



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EXTERIOR ELEVATIONS



- PROTECT ALL VEGETATION, GROUND COVER, TREES, AND EXISTING ROOF DURING CONSTRUCTION.
 - CONTRACTOR SHALL PROTECT ALL LIGHT FIXTURES, SECURITY CAMERALS, HOSE BIBBS, AND OTHER EXISTING ITEMS WITHIN LIMITS OF CONSTRUCTION. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE. CAULK AROUND SURFACE-MOUNTED FIXTURES, TYPICAL.
 - CONTRACTOR SHALL CLEAN ALL STONE AND BRICK MASONRY SURFACES, INCLUDING LEDGES, SILLS, RECESSES, AND ENTRANCES WITHIN THE CONSTRUCTION LIMITS WITH SPECIFIED CLEANING PRODUCTS. CLEAN HEAVILY SOILED AREAS PRIOR TO THE APPLICATION OF NEW POINTING MORTAR. MASONRY CLEANING SHALL BE PERFORMED IN ORDER OF THE HIGHEST FLOOR LEVEL TO THE LOWEST
- 4. CLEAN ALL TAR RESIDUE LEFT FROM PREVIOUS STRUCTURE.
- INSPECT ALL EXISTING SEALANT JOINTS WITHIN CONSTRUCTION LIMITS AND REPLACE ANY FAILED SEALANT JOINTS WITH NEW BACKER ROD
- BEFORE ANY RAKING OR REPOINTING OF MORTAR JOINTS AT LINTELS, CONTRACTOR SHALL PROVIDE TEMPORARY SHIMMING FOR LINTELS TO PREVENT STONE DISPLACEMENT.
- CONTRACTOR SHALL PROTECT ALL OPEN. RAKED JOINTS DURING ADVERSE WEATHER CONDITIONS IN WHICH RAINWATER COULD INFILTRATE THE JOINT. RAKED JOINTS MUST BE PROTECTED WITH
- ALL MORTAR JOINTS ON THE HORIZONTAL SURFACES SHALL BE RAKED TO A MINIMUM OF 1" DEPTH. FILL VOIDS AND CAVITIES WITH MORTAR AND INSTALL BACKER ROD AND SEALANT TO MATCH MORTAR COLOR. RUB MASONRY SAND TO FRESH SEALANT JOINT TO SIMULATE MORTAR
- TYPICAL REPOINTING: CONTRACTOR SHALL RAKE AND RE-POINT ALL JOINTS IN AREAS INDICATED TO A MINIMUM OF 1.5 TIMES THE WIDTH OF THE JOINT. FILL ANY VOIDS AND CAVITIES PRIOR TO TUCK POINTING
- <u>REPOINTING AT VOIDS \leq 2":</u> AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST UP TO 2" FROM THE SURFACE OF MASONRY, POINT WITH HISTORIC POINTING MORTAR 1" FROM FACE OF MASONRY. POINT WITH PRE-MIXED MORTAR AN ADDITIONAL 1" BEYOND HISTORIC POINTING
- GROUT INJECTION & POINTING AT VOIDS > 2": AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST GREATER THAN 2" FROM THE SURFACE | OF THE MASONRY, INSERT VOID INJECTION GROUT UP TO 1" FROM THE SURFACE OF THE MASONRY. POINT WITH HISTORIC POINTING MORTAR FOR THE FINAL 1" TO THE SURFACE OF THE MASONRY.

AREA OF SEVERE SOILING AND ALGAE GROWTH SHALL BE CLEANED IN ADDITION & PRIOR TO 100% CLEANING OF THE

- CUT STONE TO MIN. 6" DEPTH. PROVIDE A MIN. 1-1/2" EXPANSION JOINT. INFILL THE JOINT WITH PRE-COMPRESSED EXPANSION JOINT FILLER.
- CRACK INJECTION
 ALL FRACTURES OR CRACKS THAT ARE LESS THAN OR EQUAL TO 1/8" SHALL BE INJECTED WITH DISPERSED HYDRATED LINE (DHL). IF A CAVITY IS TOO DEEP TO BE FILLED USING DHL, AN APPLICATION OF NHL SHALL BE USED TO TOP OVER THE OPENING. DHL SHALL BE CUSTOM MATCHED
- EVER IS GREATER, AND TUCK POINT WITH MATCHING HISTORICAL POINTING MORTAR.
- PREPARE SPALLING STONE PER DETAILS W26 / A502 AND M26 / A502 PATCH WITH HISTORIC PATCHING MATERIAL TO MATCH EXISTING STONE
- 5 DUTCHMAN CUT AND PREPARE STONE TO RECEIVE DUTCHMAN REPAIR.
- THICKNESS OF THE SPALL IS LESS THAN OR EQUAL TO 2". USE 4 MM STAINLESS STEEL OR TITANIUM SURGICAL BONE SCREWS INSERTED BY HAND USING A HEX KEY. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. SCREW HEADS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: M16 / A502
- 1/8" THREADED ROD REPAIR
 ANCHOR 1/8" THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: W16 / A502
- LINTEL REPAIR
 REMOVE STONE AS INDICATED ON ELEVATIONS. EXPOSE ENTIRE BRICK ARCH BEYOND AND INSPECT BRICK FOR ANY DAMAGE, DISPLACEMENT, OR CRACKING IN NEED OF REPAIRS. FILL ANY VOIDS IN BACKUP WALL WITH GROUT AND RAKE AN REPOINT PORTION OF BRICK MASONRY TO EXTENTS POSSIBLE. BROKEN PIECES OF STONE SHALL BE PINNED TOGETHER WITH 3/4" THREADED RODS AND THE CRACK SHALL BE PATCHED. INSTALL NEW HOT-DIPPED GALVANIZED STEEL LOOSE LINTEL PRIOR TO RESETTING STONE. RE: SHEET A500 FOR DETAILS.
- 3/8" THREADED ROD REPAIR
 ANCHOR 3/8" THREADED RODS INTO PILOT HOLES USING MASONRY
 ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE
- RESET DISPLACED STONE
 RAKE MORTAR JOINTS AROUND THE DISPLACED STONE. RESET
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- CONTRACTOR SHALL PATCH ALL STONE COPINGS AT ALL FASTENER LOCATIONS FROM REMOVAL OF EXISTING CONTINUOUS CLEAT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. PATCH ROOFING MEMBRANE AND REINSTALL LIGHTNING PROTECTION AFTER MASONRY RESTORATION IS
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL STAINLESS STEEL CAP FLASHING OVER CONCRETE LEDGE PER DETAIL: J23 / A501
- REMOVE AND RESET FLASHING IN A NEW REGLET JOINT AND APPLY NEW SEALANT TO ACHIEVE A WATERTIGHT CONDITION. REMOVE ALL OLD SEALANT AND RAKE AND REPOINT ANY DAMAGED MORTAR JOINTS IN THE SURROUNDING ASHLAR STONE. RE: Q23 / A501
- RESET COPING AFTER WEST ELEVATION OF WALL IS REBUILT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. REINSTALL LIGHTNING PROTECTION AFTER MASONRY RESTORATION IS COMPLETE. RE: V5 / A501
- OWNER TO CLEAN OUT DEBRIS FROM DRAIN. CONTRACTOR TO REPLACE DRAIN STRAINER WITH NEW DOME STRAINER THAT PREVENTS DEBRIS FROM BLOCKING THE DRAIN. SEAL ANY CRACKS IN CONCRETE
- (16) SAWCUT 3/4" DEPTH ALONG CRACK AND INSTALL NEW SEALANT JOINT.
- INSTALL NEW SEALANT AROUND THRU-WALL SCUPPER.
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- (19) ALL SEALANT JOINTS FOR WINDOW UNIT EXCEPT AT PERIMETER MASONRY OPENING SHALL BE REPLACED.
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 - PREPARE JOINT AND INSTALL PRE-COMPRESSED EXPANSION JOINT.

NOTES

B1

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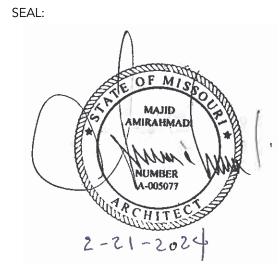
THE UNIVESITY OF MISSOURI

STUDENT RECREATION **CENTER - EAST** ELEVATION MASONRY REPAIR

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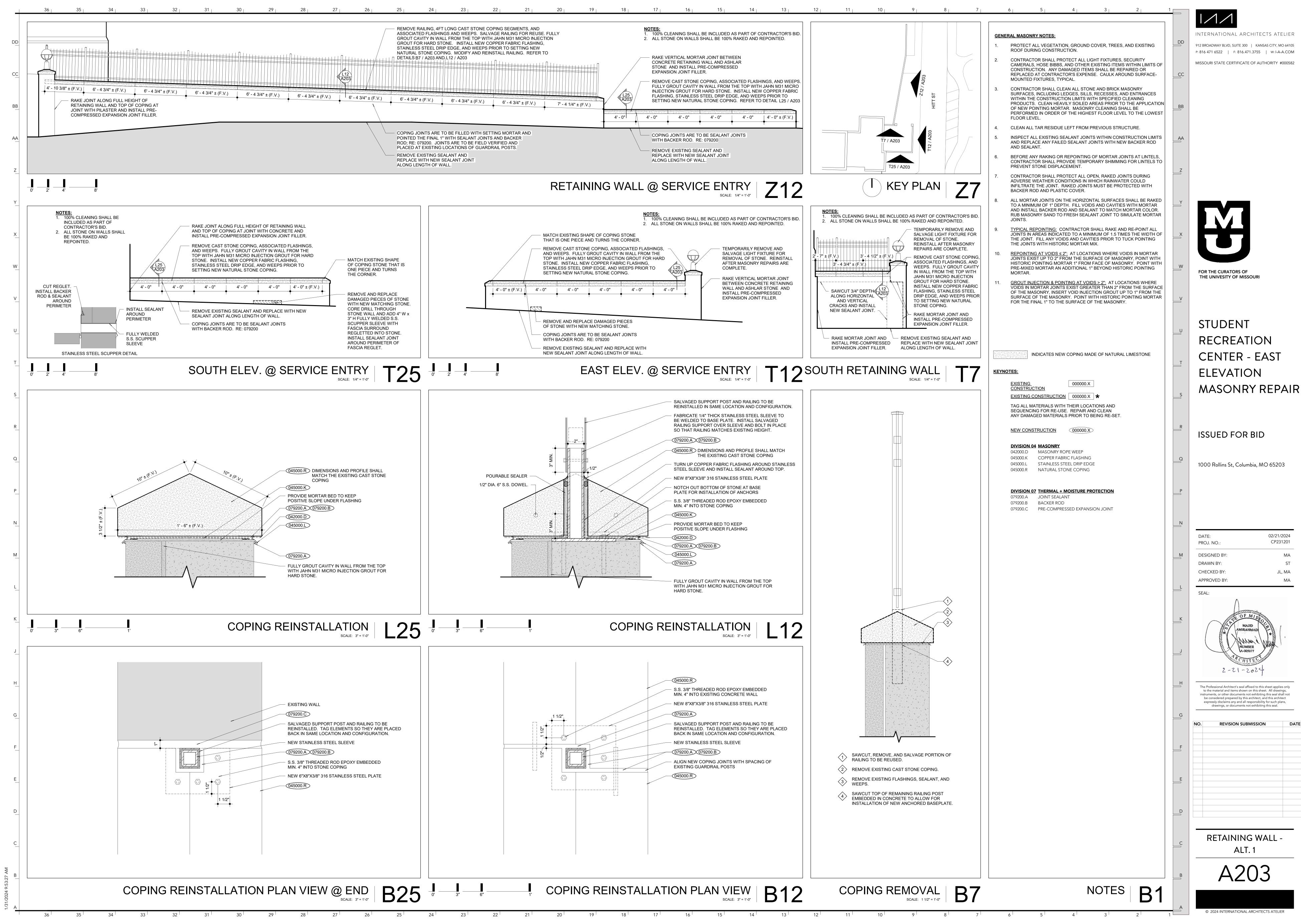
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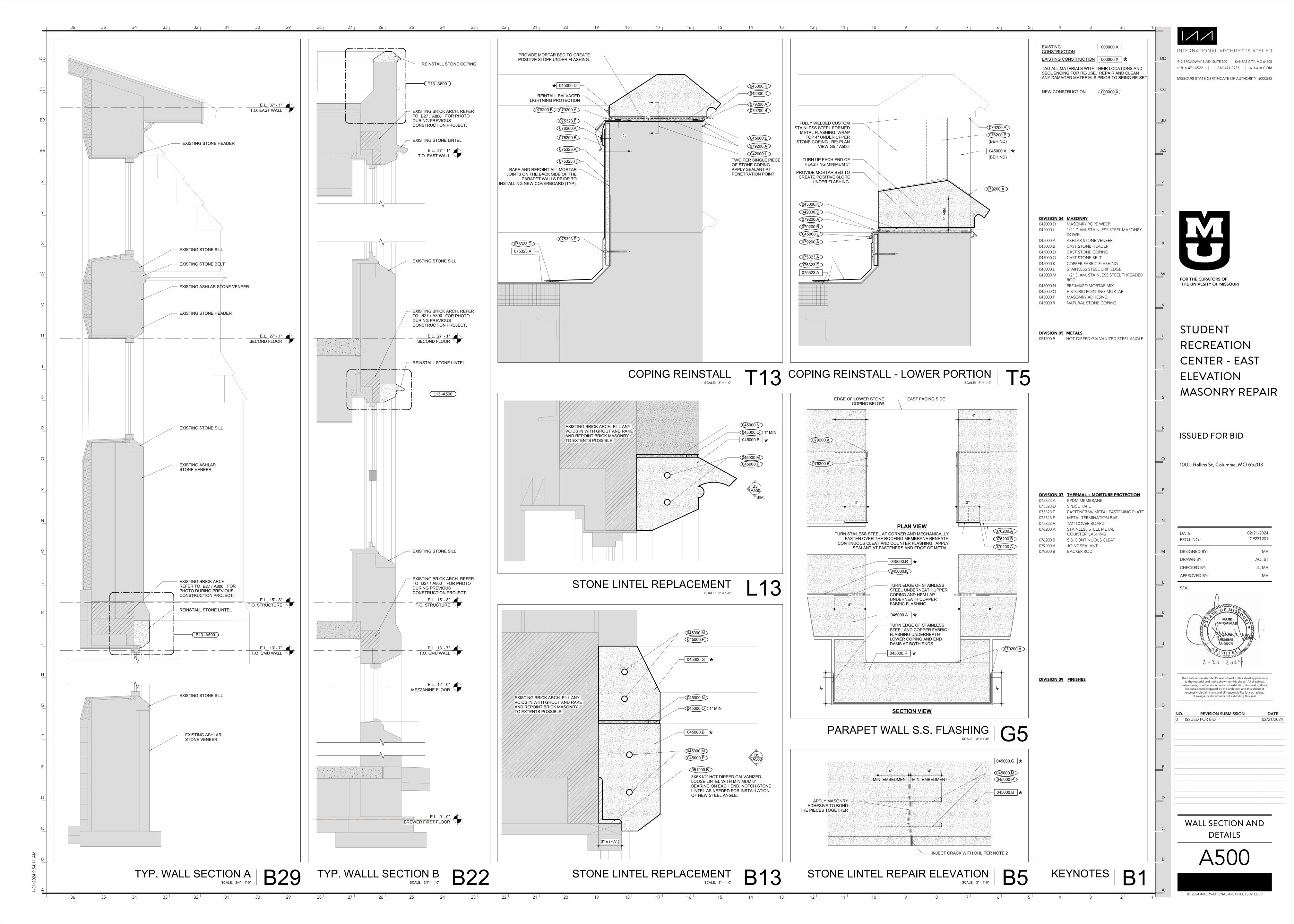


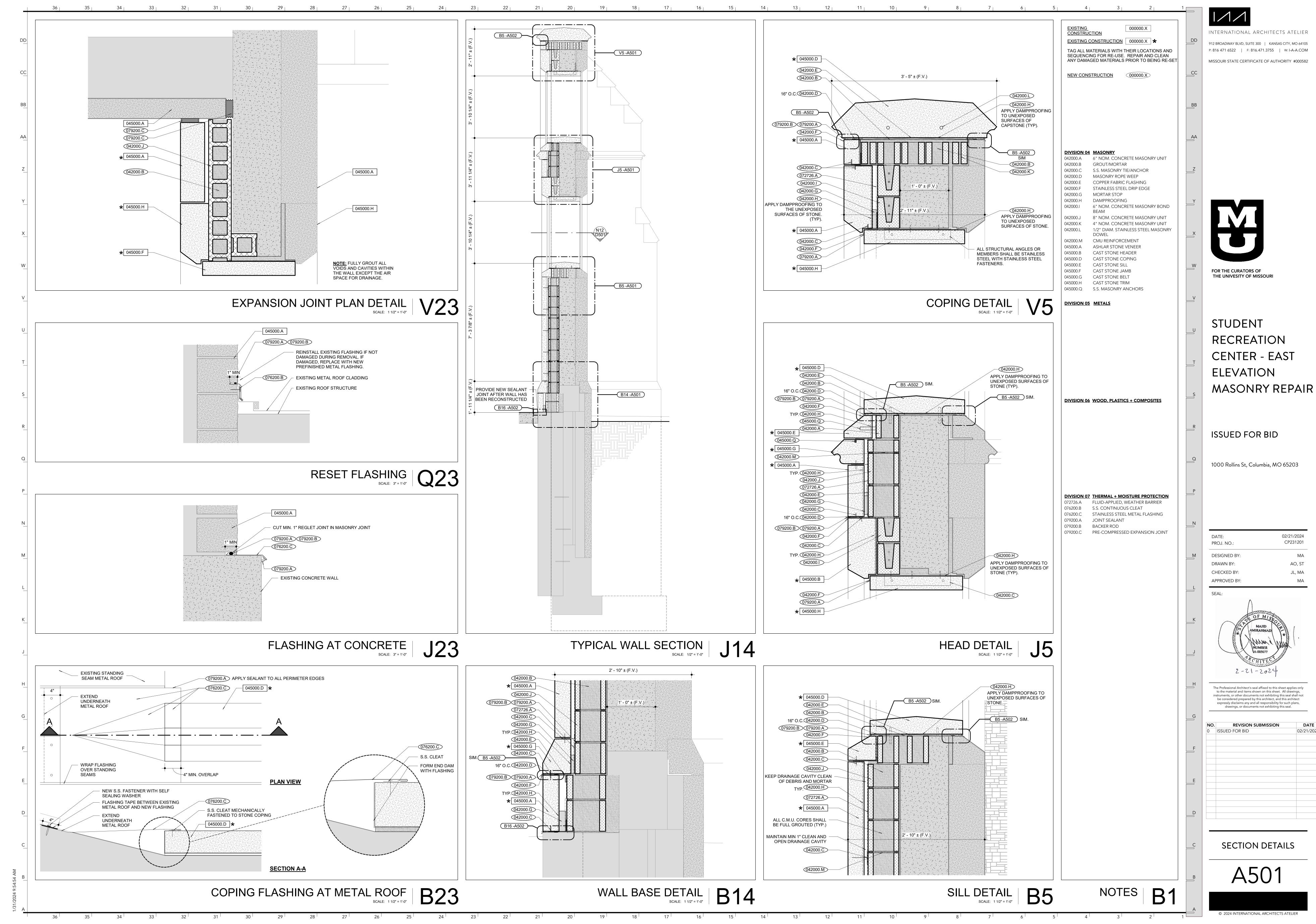
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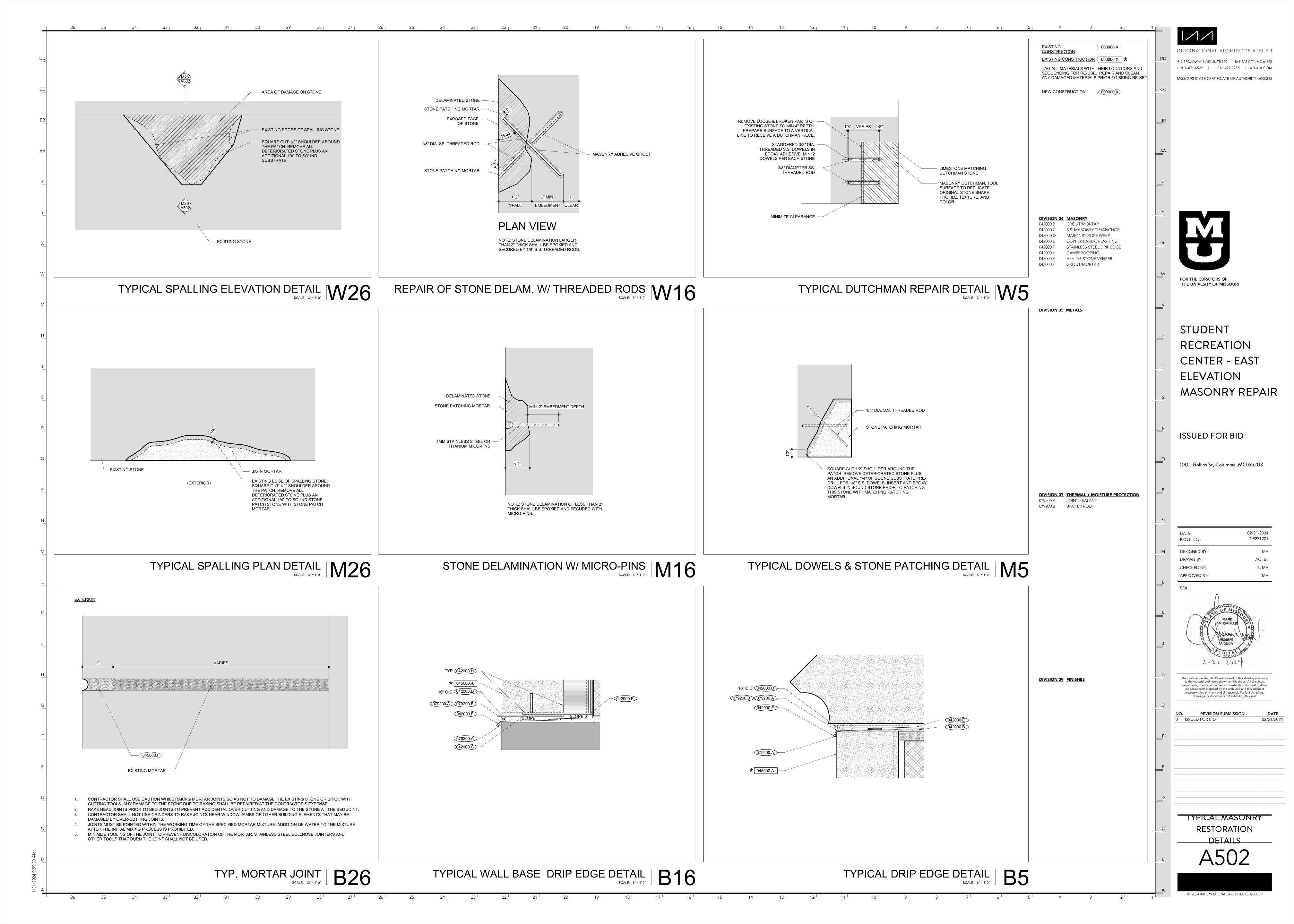
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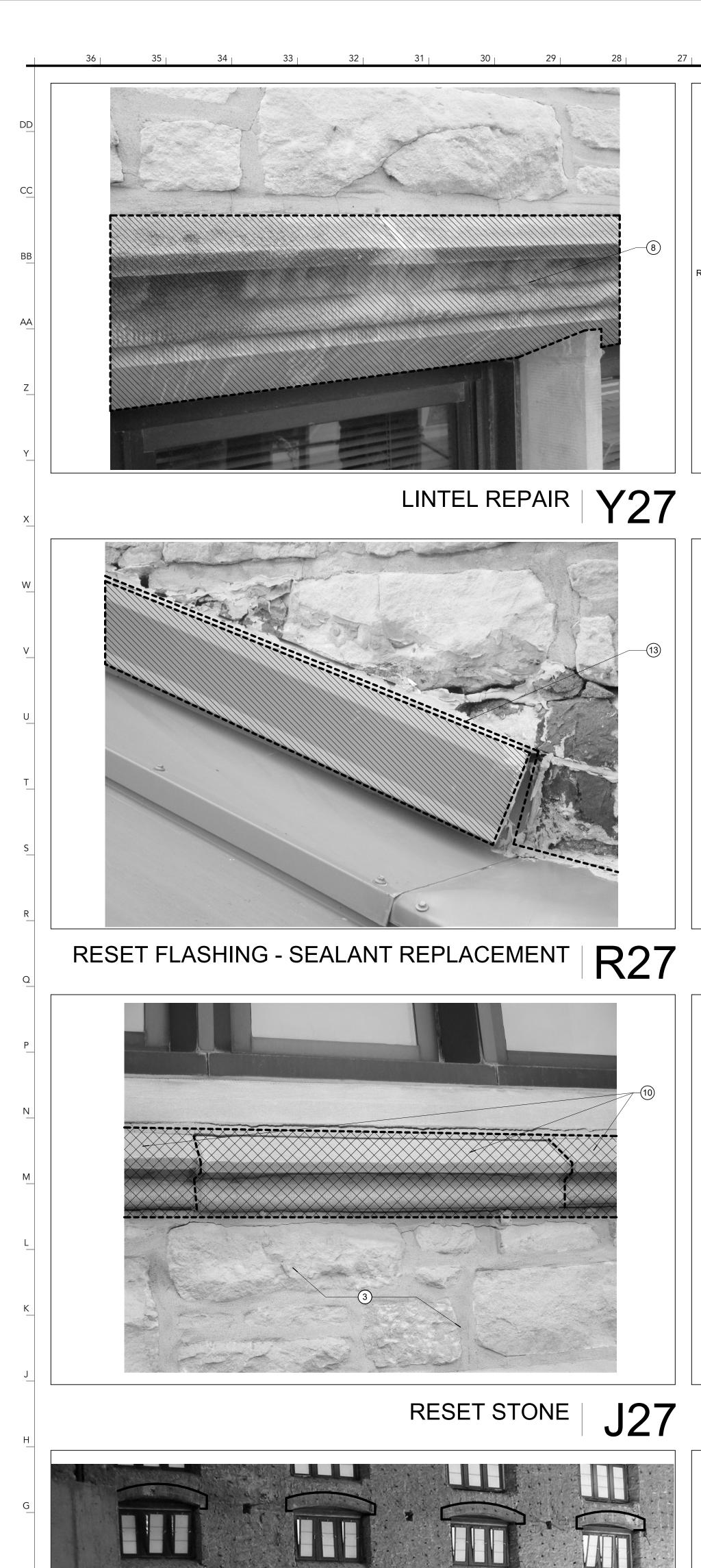


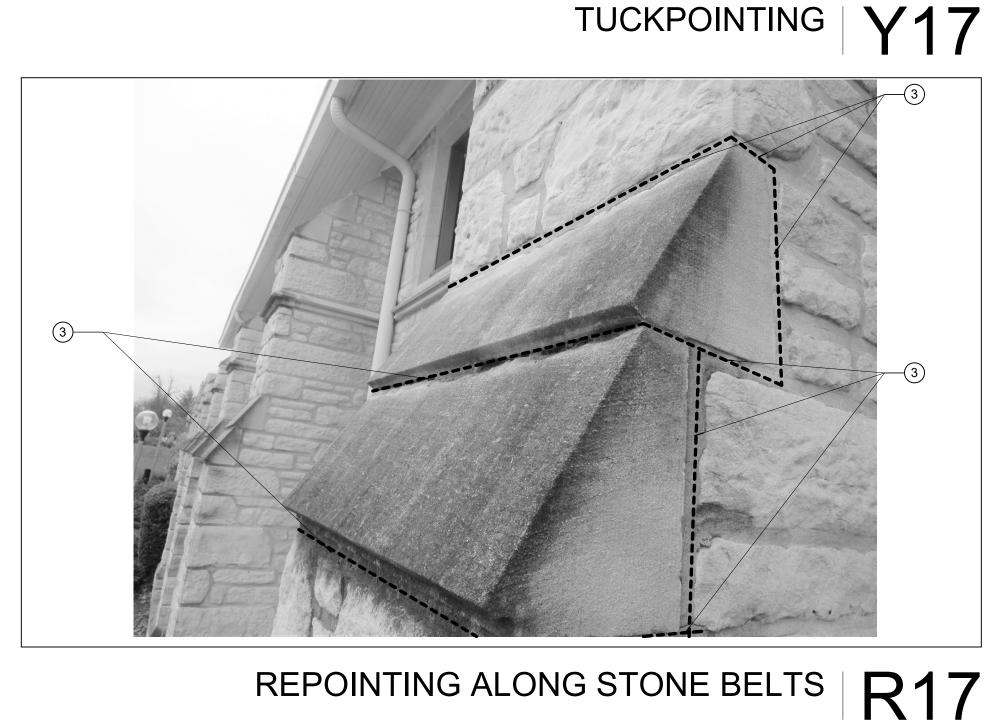




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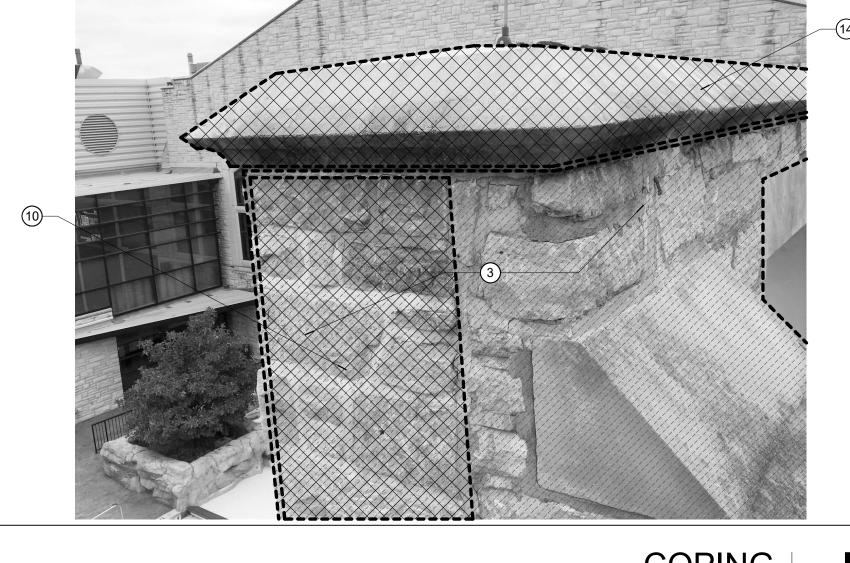


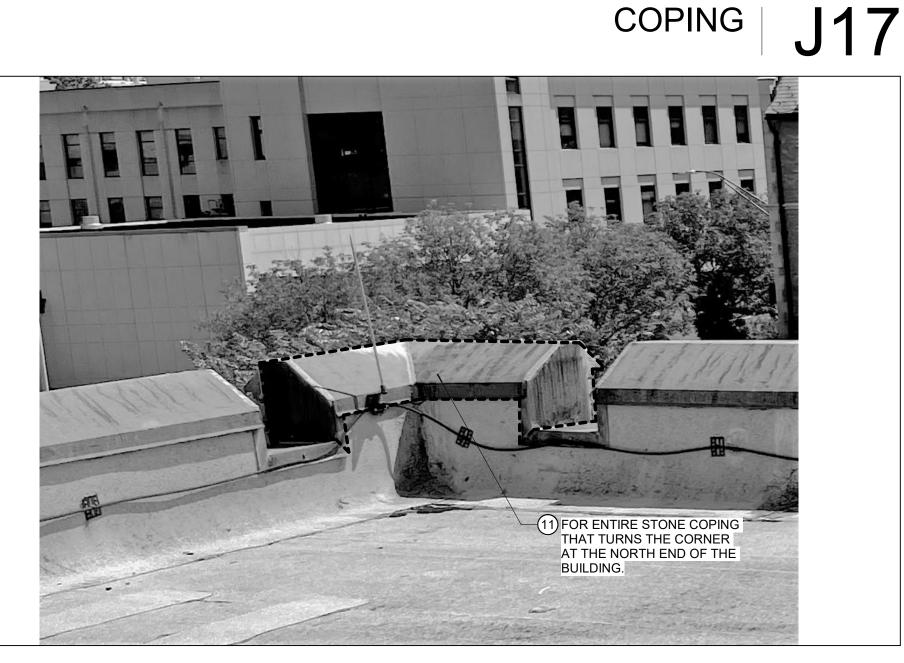


STONES AS NEEDED TO REMOVE

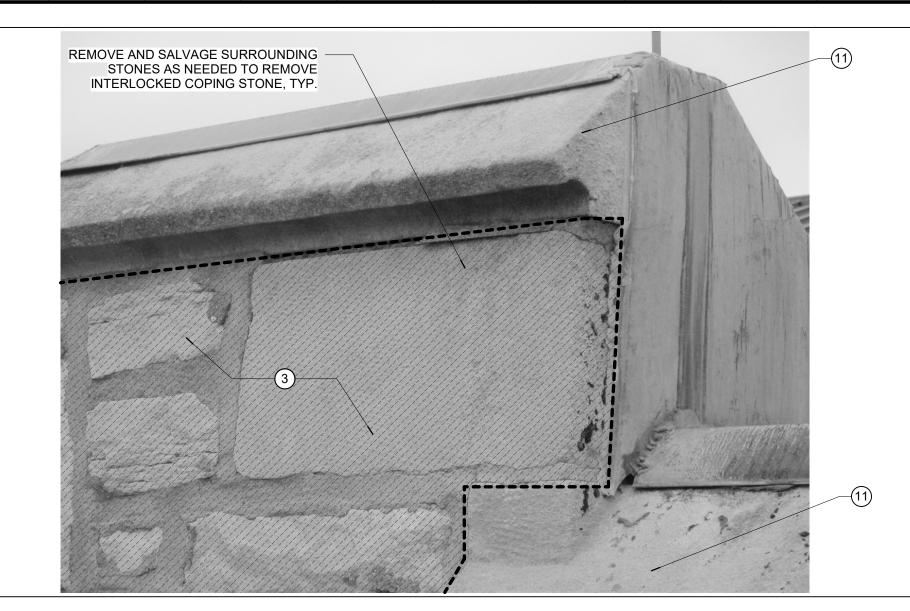
INTERLOCKED COPING STONE, TYP.



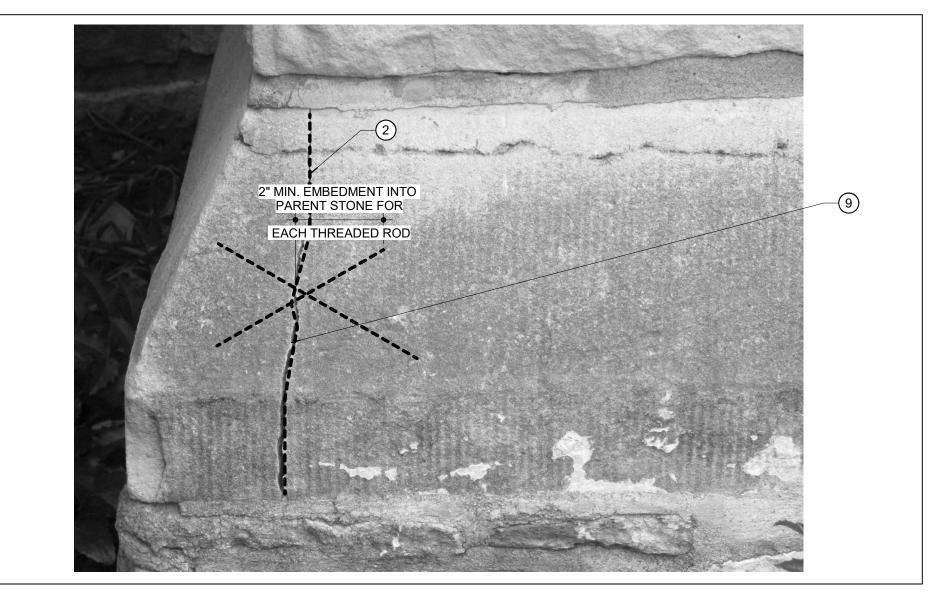




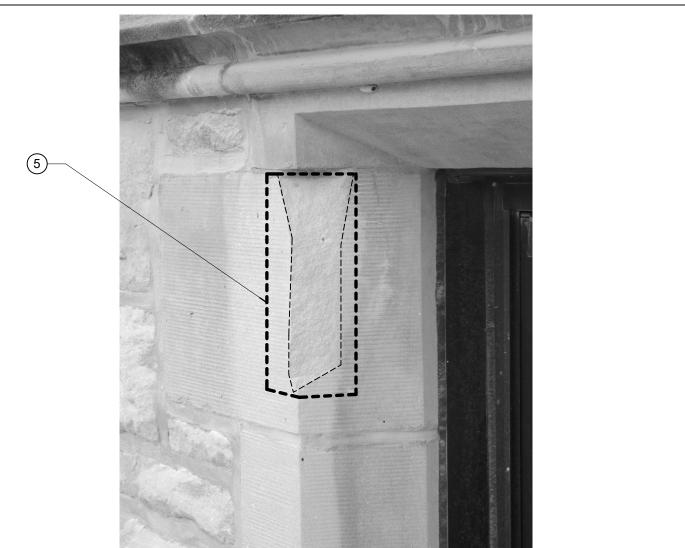




COPING, REMOVE CAP, CLEAN TAR | \\7



PILASTER BASE REPAIR | R7





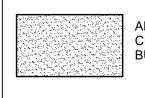
GENERAL MASONRY NOTES:

FLOOR LEVEL.

- PROTECT ALL VEGETATION, GROUND COVER, TREES, AND EXISTING ROOF DURING CONSTRUCTION.
 - CONTRACTOR SHALL PROTECT ALL LIGHT FIXTURES, SECURITY CAMERALS, HOSE BIBBS, AND OTHER EXISTING ITEMS WITHIN LIMITS OF CONSTRUCTION. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE. CAULK AROUND SURFACE-MOUNTED FIXTURES, TYPICAL.
- CONTRACTOR SHALL CLEAN ALL STONE AND BRICK MASONRY SURFACES, INCLUDING LEDGES, SILLS, RECESSES, AND ENTRANCES WITHIN THE CONSTRUCTION LIMITS WITH SPECIFIED CLEANING PRODUCTS. CLEAN HEAVILY SOILED AREAS PRIOR TO THE APPLICATION OF NEW POINTING MORTAR. MASONRY CLEANING SHALL BE

PERFORMED IN ORDER OF THE HIGHEST FLOOR LEVEL TO THE LOWEST

- CLEAN ALL TAR RESIDUE LEFT FROM PREVIOUS STRUCTURE.
- INSPECT ALL EXISTING SEALANT JOINTS WITHIN CONSTRUCTION LIMITS AND REPLACE ANY FAILED SEALANT JOINTS WITH NEW BACKER ROD
- BEFORE ANY RAKING OR REPOINTING OF MORTAR JOINTS AT LINTELS, CONTRACTOR SHALL PROVIDE TEMPORARY SHIMMING FOR LINTELS TO PREVENT STONE DISPLACEMENT.
- CONTRACTOR SHALL PROTECT ALL OPEN, RAKED JOINTS DURING ADVERSE WEATHER CONDITIONS IN WHICH RAINWATER COULD INFILTRATE THE JOINT. RAKED JOINTS MUST BE PROTECTED WITH BACKER ROD AND PLASTIC COVER.
- ALL MORTAR JOINTS ON THE HORIZONTAL SURFACES SHALL BE RAKED TO A MINIMUM OF 1" DEPTH. FILL VOIDS AND CAVITIES WITH MORTAR AND INSTALL BACKER ROD AND SEALANT TO MATCH MORTAR COLOR. RUB MASONRY SAND TO FRESH SEALANT JOINT TO SIMULATE MORTAR
- YPICAL REPOINTING: CONTRACTOR SHALL RAKE AND RE-POINT ALL IOINTS IN AREAS INDICATED TO A MINIMUM OF 1.5 TIMES THE WIDTH OF THE JOINT. FILL ANY VOIDS AND CAVITIES PRIOR TO TUCK POINTING THE JOINTS WITH HISTORIC MORTAR MIX.
- REPOINTING AT VOIDS ≤ 2": AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST UP TO 2" FROM THE SURFACE OF MASONRY, POINT WITH HISTORIC POINTING MORTAR 1" FROM FACE OF MASONRY. POINT WITH PRE-MIXED MORTAR AN ADDITIONAL 1" BEYOND HISTORIC POINTING
- OF THE MASONRY, INSERT VOID INJECTION GROUT UP TO 1" FROM THE SURFACE OF THE MASONRY. POINT WITH HISTORIC POINTING MORTAR FOR THE FINAL 1" TO THE SURFACE OF THE MASONRY.



AREA OF SEVERE SOILING AND ALGAE GROWTH SHALL BE CLEANED IN ADDITION & PRIOR TO 100% CLEANING OF THE BUILDING FACADES.

MASONRY RESTORATION KEYNOTES

- EXPANSION JOINT
 CUT STONE TO MIN. 6" DEPTH. PROVIDE A MIN. 1-1/2" EXPANSION JOINT. INFILL THE JOINT WITH PRE-COMPRESSED EXPANSION JOINT FILLER.
- CRACK INJECTION
 ALL FRACTURES OR CRACKS THAT ARE LESS THAN OR EQUAL TO 1/8" SHALL BE INJECTED WITH DISPERSED HYDRATED LINE (DHL). IF A CAVITY IS TOO DEEP TO BE FILLED USING DHL, AN APPLICATION OF NHL SHALL BE USED TO TOP OVER THE OPENING. DHL SHALL BE CUSTOM MATCHED
- RAKE ALL MORTAR JOINTS TO A MINIMUM OF 1.5 TIMES THE WIDTH OF THE JOINT BUT NOT LESS THAN MINIMUM 1" WHICH EVER IS GREATER, AND TUCK POINT WITH MATCHING HISTORICAL POINTING MORTAR.
- STONE PATCH PREPARE SPALLING STONE PER DETAILS W26 / A502 AND M26 / A502 PATCH WITH HISTORIC PATCHING MATERIAL TO MATCH EXISTING STONE
- <u>DUTCHMAN</u> CUT AND PREPARE STONE TO RECEIVE DUTCHMAN REPAIR. RE: W5 / A502

EDGE OF THE STONE UNIT. RE: M16 / A502

- MICRO-PIN REPAIR
 USE MICRO-PINS FOR LOCATIONS OF DETACHED STONE WHERE THE
 THICKNESS OF THE SPALL IS LESS THAN OR EQUAL TO 2". USE 4 MM STAINLESS STEEL OR TITANIUM SURGICAL BONE SCREWS INSERTED BY HAND USING A HEX KEY. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. SCREW HEADS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE
- 1/8" THREADED ROD REPAIR
 ANCHOR 1/8" THREADED RODS INTO PILOT HOLES USING MASONRY
 ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: W16 / A502
- ARCH BEYOND AND INSPECT BRICK FOR ANY DAMAGE, DISPLACEMENT, OR CRACKING IN NEED OF REPAIRS. FILL ANY VOIDS IN BACKUP WALL WITH GROUT AND RAKE AN REPOINT PORTION OF BRICK MASONRY TO EXTENTS POSSIBLE. BROKEN PIECES OF STONE SHALL BE PINNED TOGETHER WITH 3/4" THREADED RODS AND THE CRACK SHALL BE PATCHED. INSTALL NEW HOT-DIPPED GALVANIZED STEEL LOOSE LINTEL PRIOR TO RESETTING STONE. RE: SHEET A500 FOR DETAILS.
- 3/8" THREADED ROD REPAIR
 ANCHOR 3/8" THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. PINS SHALL BE SPACED A MINIMUM OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: W16 / A502
- RAKE MORTAR JOINTS AROUND THE DISPLACED STONE. RESET STONE TO ITS ORIGINAL LOCATION AND TUCK POINT MORTAR JOINT AROUND THE STONE.
- CONTRACTOR SHALL PATCH ALL STONE COPINGS AT ALL FASTENER LOCATIONS FROM REMOVAL OF EXISTING CONTINUOUS CLEAT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. PATCH ROOFING MEMBRANE AND REINSTALL LIGHTNING PROTECTION AFTER MASONRY RESTORATION IS COMPLETE. RE: T13 / A500
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL STAINLESS STEEL CAP FLASHING OVER CONCRETE LEDGE PER DETAIL: J23 / A501
- REMOVE AND RESET FLASHING IN A NEW REGLET JOINT AND APPLY NEW SEALANT TO ACHIEVE A WATERTIGHT CONDITION. REMOVE ALL OLD SEALANT AND RAKE AND REPOINT ANY DAMAGED MORTAR JOINTS IN THE SURROUNDING ASHLAR STONE. RE: Q23 / A501
- RESET COPING AFTER WEST ELEVATION OF WALL IS REBUILT. REPLACE FLASHING AT COPING WITH NEW COPPER FABRIC FLASHING AND STAINLESS STEEL DRIP EDGE. REINSTALL LIGHTNING PROTECTION AFTER MASONRY RESTORATION IS COMPLETE. RE: V5 / A501
- OWNER TO CLEAN OUT DEBRIS FROM DRAIN. CONTRACTOR TO REPLACE DRAIN STRAINER WITH NEW DOME STRAINER THAT PREVENTS DEBRIS FROM BLOCKING THE DRAIN. SEAL ANY CRACKS IN CONCRETE
- (16) SAWCUT 3/4" DEPTH ALONG CRACK AND INSTALL NEW SEALANT JOINT.
- INSTALL NEW SEALANT AROUND THRU-WALL SCUPPER.

SURROUNDING DRAIN.

- REINSTALL SALVAGED LIGHT FIXTURE IN SAME LOCATION AND INSTALL NEW SEALANT JOINT AROUND LIGHT FIXTURE.
- ALL SEALANT JOINTS FOR WINDOW UNIT EXCEPT AT PERIMETER MASONRY OPENING SHALL BE REPLACED.
- RAKE AND CLEAN MORTAR JOINT BETWEEN STONE AND CONCRETE. PREPARE JOINT AND INSTALL PRE-COMPRESSED EXPANSION JOINT.

FOR THE CURATORS OF THE UNIVESITY OF MISSOURI

INTERNATIONAL ARCHITECTS ATELIER

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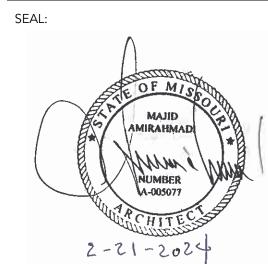
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STUDENT RECREATION **CENTER - EAST ELEVATION** MASONRY REPAIR

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NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR BID	02/21/2024
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MASONRY RESTORATION PHOTOS

INTERIOR CONSTRUCTION PHOTO FROM 2003

COPING STONE @ NORTH CORNER | B17

EXPANSION JOINT

NOTES

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