FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

CP201091: UNIVERSITY OF MISSOURI - COLUMBIA
ELLIS LIBRARY WINDOW REPLACEMENT AND MASONRY RESTORATION

INTERNATIONAL ARCHITECTS ATELIER

WINDOW REPLACEMENT AND MASONRY RESTORATION
NOTE: CONTRACTOR SHALL PROTECT AUDITORIUM SEATS DURING WINDOW RESTORATION.

BASE BID - WINDOW TO BE RESTORED
BASE BID - WINDOW TO BE REPLACED

PROTECT EXISTING AIRPLINTS - ALL AREA
PROTECT EXISTING PARTITIONS - ALL AREA
PROTECT EXISTING RADIATOR ENCLOSURE - ALL AREA

INDICATES FULL HEIGHT DUST & SECURE CORRIDOR
INDICATES EXISTING CONDITIONS NOT IN CONTRACT (N.I.C.)

NOTICE: CONTRACTOR SHALL COMPLETE THE INSTALLATION OF THE RABBED EDGE GLASS, IF THE GLASS HAS BEEN RECOMMENDED IN A REPORT OF THE TECHNICAL COMMITTEE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DETERIOATING GLASS, INCLUDING STICKING, DULLING OR STAINS.

CONTRACTOR SHALL PROTECT EXISTING MASONRY CLEANING OF THIS PART OF THE SOUTH ELEVATION.

CONTRACTOR SHALL COMPLETE THE INSTALLATION OF THE RABBED EDGE GLASS, IF THE GLASS HAS BEEN RECOMMENDED IN A REPORT OF THE TECHNICAL COMMITTEE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DETERIOATING GLASS, INCLUDING STICKING, DULLING OR STAINS.
FULL HEIGHT 3/4" PLYWOOD DUST & SECURE PROTECTION ENCLOSURE TO BE PROVIDED DURING WINDOW REPLACEMENT.

± 8' - 10" M1

G003

2' - 0"

PROVIDE TEMPORARY REINFORCED POLYETHYLENE CONSTRUCTION WEATHER BARRIER ENCLOSURE OVER ARCH WINDOW UNDER CONSTRUCTION. TEMPORARY FASTEN ENCLOSURE TO MORTAR JOINTS.

REMOVE RADIATOR GRILL AND REINSTALL AFTER WINDOW REPLACEMENT.

PROVIDE SECURE ACCESS DOOR TO CONSTRUCTION ZONE.

FILL VOIDS BETWEEN TEMP. ENCLOSURE WITH EXPANDABLE FOAM TO PREVENT DUST AND DEBRIS FROM ENTERING LIBRARY INTERIOR.

CONTRACTOR TO PROVIDE MIN. AMOUNT OF SPACE REQUIRED FOR CONSTRUCTION.

3/4" PLYWOOD ± 3' - 0"

± 4' - 0"

PROVIDE DUST PARTITION TO SPAN FLOOR TO CEILING. SIMILAR TO ZIP WALL SYSTEM WITH MAGNETIC DOOR.

± 15' - 0" F.V.

WEATHER ENCLOSURE BARRIER OVER WINDOW.

DIMENSIONAL LUMBER, TYP. 3/4" PLYWOOD BACKING, TYP. SEAL AROUND THE ENCLOSURE TO PREVENT RAIN AND WATER TO ENTER THE BUILDING.

REINFORCED POLYETHYLENE CONSTRUCTION WEATHER BARRIER.

NOTE: PATCH AND REPAIR DAMAGED PLASTER, WOOD TRIM AND WINDOW SILLS AFTER REMOVAL OF TEMP. ENCLOSURE AND PLASTER EXISTING PAINT DAMAGED BY NEW CONSTRUCTION SHALL BE REPAINTED TO THE NEAREST CORNER.

FILL VOIDS BETWEEN TEMP. ENCLOSURE WITH EXPANDABLE FOAM TO PREVENT DUST AND DEBRIS FROM ENTERING LIBRARY INTERIOR.
1. REMOVE ALL EXISTING SCREENS AT NON-OPERABLE WINDOWS AND DISPOSE.

LEGEND:

XXX WINDOW NUMBER
X WINDOW TYPE

NOT INCLUDED IN THIS CONTRACT WINDOW TO BE RESTORED
WINDOW TO BE REPLACED

ISSUED FOR BID

ELLIS LIBRARY
WINDOW REPLACEMENT AND
MASONRY RESTORATION

FOR THE PROTECTION OF THE
PROPERTY OF UNIVERSITY
OF MISSOURI

THE PROFESSIONAL ARCHITECT'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO
THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS,
INSTRUMENTS, OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE
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MAJID AMIRAHMADI - ARCHITECT

MO#: A-5077

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APPROVED BY:

DRAWN BY:

SEAL:
NOTE: FIELD VERIFY ALL DIMENSIONS

EXTERIOR INTERIOR

NOTE: FIELD VERIFY ALL DIMENSIONS
1. Remove and reset keystones per detail.

2. Cut stone to min. 6" depth. Provide a min. 1-1/2" expansion joint and caulk joint around the stone.

3. Cut and reset stone to receive & clean repair pieces. Min. 1" depth. Patches shall be made with custom matched patching mortar. Mortar joint below. Reset lead covered capitals. Infill joint with mortar to 1" from surface of stone with custom matched patching mortar.

4. Repair prior to installing new sealant joints at existing metal flashings.

5. Protect metal grill during the construction. Protect conduit & etc. within the construction zone during the construction.

6. Use micro-pins for locations of detached stone where the thickness of the spall is greater than 2", 3/8" all along.

7. Prepare spalling stone per detail.

8. Contractors shall remove all existing caulk and sealant joints. Typical for all restored windows and joints around window frames and install new backer rod and sealant joints. Typical for all restored windows and masonry and window restoration. Reinstall after masonry restoration.

9. Remove dirt and mulch to permit masonry cleaning.

10. For locations of delaminated stone where the thickness of the spall is greater than 2", 1/8" all along.

11. For locations of delaminated stone where the thickness of the spall is greater than 2", 3/8" all along.

12. Masonry raking, pointing and cleaning shall be performed prior to the masonry restoration and replacement. Contractors shall remove masonry cleaning andisNull restoration and replacement.

13. Contractors shall clean all stone surfaces, including masonry joints. (Typ.)

14. Clean stained stone at window head.

15. Remove entire sealant and mortar joint above column capitals. Infill joint with mortar to 1" from surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

16. Contractors shall remove all sealant joints around metal flashings.

17. Contractors shall clean all stone surfaces, including masonry joints. (Typ.)

18. Remove and reset keystones per detail.

19. Modernize door frame and window trim to match existing.


21. All masonry joints on the horizontal surfaces shall be patched.

22. Actual masonry cleaning construction limits to min. of 1" depth. Fill any voids and clean repair pieces. Min. 1" depth. Patches shall be made with custom matched patching mortar. Mortar joint below. Reset lead covered capitals. Infill joint with mortar to min. 1" from the surface of stone with custom matched patching mortar.

23. All mortar joints on the horizontal surfaces shall be patched.

24. Contractors shall remove all existing caulk and sealant joints. Typical for all restored windows and joints around window frames and install new backer rod and sealant joints. Typical for all restored windows and masonry and window restoration. Reinstall after masonry restoration.

25. All masonry joints on the horizontal surfaces shall be patched.

26. Contractors shall remove all existing caulk and sealant joints. Typical for all restored windows and joints around window frames and install new backer rod and sealant joints. Typical for all restored windows and masonry and window restoration. Reinstall after masonry restoration.

27. Clean stained stone at window head.

28. Remove entire sealant and mortar joint above column capitals. Infill joint with mortar to min. 1" from the surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

29. Remove sealant and mortar joint above column capitals. Infill joint with mortar to 1" from surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

30. Interior masonry cleaning construction limits to min. of 1" depth. Fill any voids and clean repair pieces. Min. 1" depth. Patches shall be made with custom matched patching mortar. Mortar joint below. Reset lead covered capitals. Infill joint with mortar to min. 1" from the surface of stone with custom matched patching mortar.

31. Contractors shall remove all sealant and mortar joints around metal flashings. (Typ.)

32. Clean stained stone at window head.

33. Remove entire sealant and mortar joint above column capitals. Infill joint with mortar to 1" from surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

34. Remove sealant and mortar joint above column capitals. Infill joint with mortar to 1" from surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

35. Contractors shall remove all existing caulk and sealant joints. Typical for all restored windows and joints around window frames and install new backer rod and sealant joints. Typical for all restored windows and masonry and window restoration. Reinstall after masonry restoration.

36. Contractors shall remove all existing caulk and sealant joints. Typical for all restored windows and joints around window frames and install new backer rod and sealant joints. Typical for all restored windows and masonry and window restoration. Reinstall after masonry restoration.

37. Clean stained stone at window head.

38. Remove entire sealant and mortar joint above column capitals. Infill joint with mortar to min. 1" from the surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

39. Remove sealant and mortar joint above column capitals. Infill joint with mortar to 1" from surface of stone with custom matched patching mortar. Masonry and window restoration. Reinstall after masonry restoration.

40. Contractors shall remove all existing caulk and sealant joints. Typical for all restored windows and joints around window frames and install new backer rod and sealant joints. Typical for all restored windows and masonry and window restoration. Reinstall after masonry restoration.
MASONRY RESTORATION

1. CONTRACTOR SHALL CLEAN ALL STONE SURFACES, INCLUDING JOINTS AROUND WINDOW FRAMES AND INSTALL NEW BACKER ROD AND WINDOW RESTORATION IS COMPLETED PRIOR TO TUCK POINTING THE JOINTS WITH HISTORIC MORTAR MIX.
2. CONTRACTOR SHALL PROTECT LIGHT FIXTURES, SECURITY CONDUIT & ETC. WITHIN THE CONSTRUCTION ZONE DURING CONSTRUCTION.
3. CONTRACTOR SHALL REMOVE ENTIRE SEALANT JOINT/TAR AND REPLACE VALUES PRIOR TO TUCK POINTING THE JOINTS WITH HISTORIC MORTAR MIX.
4. CONTRACTOR SHALL CLEAN STAINED STONE AT WINDOW HEAD.
5. CUT AND PREPARE STONE TO RECEIVE DUTCHMAN REPAIR JOINT. INFILL THE JOINT WITH PRE-COMPRESSED EXPANSION JOINTER FILLER.
7. PROJECT METAUS SHALL BE CLEANED IN ADDITION & PRIOR TO 100% CLEANING SPECIFICATION. MASONRY RAKING, POINTING AND CLEANING SHALL BE PERFORMED PRIOR TO WINDOW WELL COVERS PRIOR TO CLEANING SPECIFICATION.
8. CONTRACTOR SHALL PROTECT SECURITY CAMERAS, LIGHT FIXTURES, HOSE BIBBS, AND INSTALL BACKER ROD AND SEALANT TO MATCH MORTAR COLOR COULD BE USED.
9. IF A CAVITY IS TOO DEEP TO BE FILLED USING DHL, AN OPENING. DHL SHALL BE CUSTOM MATCHED TO LIMESTONE.
10. FOR LOCATIONS OF DELAMINATED STONE WHERE THE THICKNESS OF THE SPALL IS GREATER THAN 2", 1/8" ALL PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" BETWEEN PINS.
11. REMOVE LEAD COVERED JOINT AND RAKE AND TUCK POINT TO MIN. OF 1" DEPTH. FILL VOIDS AND CAVITIES WITH MORTAR

MASONRY RESTORATION KEYNOTES

- REMOVE AND RESET KEYSTONES PER DETAIL /B7 A521
- REMOVE ENTIRE EXISTING SEALANT JOINT/TAR AND REPLACE VALUES PRIOR TO TUCK POINTING THE JOINTS WITH HISTORIC MORTAR MIX.
- CONTRACTOR SHALL REMOVE ALL WINDOW WELL COVERS PRIOR TO MASONRY RAKING, POINTING AND CLEANING SHALL BE PERFORMED.
MASONRY
THERMAL + MOISTURE PROTECTION

ALL HORIZONTAL JOINTS, JOINTS & INSTALL SEALANT AT RAKE ALL EXISTING MORTAR

L14 SOFT JOINT REPLACEMENT
SOUND SUBSTRATE. PREDETERIORATED STONE DAMAGED SECTION OF DRILL HOLES FOR S.S. DOWELS PRIOR TO

L22 SPALL AT COLUMN
B22 TYPICAL DRAIN SCUPPER
B29 STEP FLASHING
B14 TYPICAL DRAIN SCUPPER
B7 SPALLING PATCH
L17 A520
L27 A520
L29 NOT USED
5. Replace windows as needed.  Replace pane.

4. Remove existing window trim and replace with new trim.  Refer to spec. section 080532.

3. Patch all nail holes, dents and imperfections on wood.

2. Add new backer rod and sealant at all window perimeters.

1. Remove sealant at all window perimeters.

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INTERIOR WINDOW RESTORATION NOTES

9. Replace rotted or warped wood sill trim with new.  Refer to spec. section 080532.

8. Repair cracked wood sash. Refer to spec. section 080532.


6. Install new wood muntin to match profile on existing.

5. Remove and replace section of rusted window frames prior to priming, painting or staining.

4. Secure loose trim.

3. Sand and clean rusted members prior to priming and painting.  Refer to spec. section 080531.

2. Rotted wood - fill with wood epoxy.  Refer to spec. section 080532.

1. Cracked glass - replace pane.

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EXTerior WINDOW RESTORATION NOTES

9. Replace rotted or warped wood sill trim with new.  Refer to spec. section 080532.

8. Repair cracked wood sash. Refer to spec. section 080532.


6. Install new wood muntin to match profile on existing.

5. Remove and replace section of rusted window frames prior to priming, painting or staining.

4. Secure loose trim.

3. Sand and clean rusted members prior to priming and painting.  Refer to spec. section 080531.

2. Rotted wood - fill with wood epoxy.  Refer to spec. section 080532.

1. Cracked glass - replace pane.

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WINDOW REPLACEMENT

• Window replacement as per specified.

WINDOW RESTORATION

• Window restoration as per specified.

MASONRY RESTORATION

• Masonry restoration as per specified.

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017. Refer to alternate list for additional information.

The Exception of the interior of windows 013, 014, 015, 016, and 017 shall be restored per specifications, with all existing interior and exterior windows within the fourth floor casement window to be made inoperable.  All single or double hung windows to be made operable.

Remove all existing window screens.  Remove all existing glazing putty on all restored windows.  Field measure prior to fabrication.  Remove all existing window well covers prior to masonry and window restoration.  Reinstall after masonry and painting.  Refer to spec. section 080531.

Remove all existing window well covers prior to masonry and window restoration.  Reinstall after masonry and painting.  Refer to spec. section 080532.

The elevations are graphic representations of window frames prior to priming, painting or staining.  The window restoration is completed.
NOT INCLUDED IN THIS CONTRACT

GENERAL WINDOW RESTORATION NOTES

1. REMOVE SEALANT AT ALL WINDOW PERIMETERS.
2. ADD NEW BACKER ROD AND SEALANT AT ALL WINDOW PERIMETERS.
3. PATCH ALL NAIL HOLES, DENTS AND IMPERFECTIONS ON WOOD
4. REMOVE WINDOW WELL COVERS PRIOR TO MASONRY AND WINDOW
5. SECURE LOOSE TRIM
6. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND
7. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC.

EXTERIOR WINDOW RESTORATION NOTES

1. CRACKED GLASS - REPLACE PANE
2. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND
3. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC.
4. REMOVE AND REPLACE SECTION OF RUSTED WINDOW
5. REMOVE AND REPLACE SECTION OF RUSTED WINDOW
6. MATCH LINE B B
7. WINDOW TO BE RESTORED
8. WINDOW TO BE REPLACED

INTERIOR WINDOW RESTORATION NOTES

1. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC.
2. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND
3. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC.
4. REMOVE WINDOW WELL COVERS PRIOR TO MASONRY AND WINDOW
5. SECURE LOOSE TRIM
6. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND
7. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC.
8. WINDOW TO BE REPAIRED
9. REPLACE ROTTED OR WARPED WOOD SILL TRIM WITH NEW

MASONRY RESTORATION

1. REMOVE ALL EXISTING WINDOW SCREENS.
2. REMOVE ALL EXISTING GLAZING PUTTY ON ALL RESTORED WINDOWS
3. REMOVE ALL EXISTING GLAZING PUTTY ON ALL RESTORED WINDOWS
4. REMOVE ALL EXISTING GLAZING PUTTY ON ALL RESTORED WINDOWS
5. REMOVE AND REPLACE SECTION OF RUSTED WINDOW
6. MATCH LINE B B
7. WINDOW TO BE RESTORED
8. WINDOW TO BE REPLACED
9. WINDOW TO BE REPAIRED
WEATHERquam's Replacement

1. REMOVE SEALANT AT ALL WINDOW PERIMETERS.
2. ADD NEW BACKER ROD AND SEALANT AT ALL WINDOW PERIMETERS.
3. PATCH ALL NAIL HOLES, DENTS AND IMPERFECTIONS ON WOOD WINDOW FRAMES PRIOR TO PRIMING, PAINTING OR STAINING.
4. SECURE LOOSE TRIM
5. REMOVE AND REPLACE SECTION OF RUSTED WINDOW FRAME.
6. INSTALL NEW WOOD MUNTIN TO MATCH PROFILE ON EXISTING WINDOW FRAME.
7. REPAIR DETERIORATED WOOD WINDOW SASH. RE: V17/A230.
8. REPLACE ROTTED OR WARPED WOOD SILL TRIM WITH NEW WINDOW SILL TO MATCH EXISTING PROFILE. RE: B27/A230. REFER TO SPEC. SECTION 080532.
9. REPLACE ROTTED OR WARPED WOOD SILL TRIM WITH NEW WINDOW SILL TO MATCH EXISTING PROFILE. RE: B27/A230. REFER TO SPEC. SECTION 080532.

GENERAL WINDOW RESTORATION NOTES

EXTERIOR WINDOW RESTORATION NOTES

INTERIOR WINDOW RESTORATION NOTES

LEGEND:

N.I.C.: NEXT INTERIOR COVER
G2: SECOND LEVEL WINDOW
C6: CENTER WINDOW
013: WINDOW NUMBER
F1-N: WINDOW TYPE
B2: FIRST STORY WINDOW
C7: CENTER WINDOW
D4-N: WINDOW TYPE
F1-N: WINDOW TYPE
B3: THIRD STORY WINDOW
C5: CENTER WINDOW
A230: WINDOW NUMBER

MISSOURI STATE CERTIFICATE OF AUTHORITY  #000582
912 BROADWAY BLVD, SUITE 300    |    KANSAS CITY, MO 64105
1020 LOWRY STREET
ELLIS LIBRARY
COLUMBIA, MO 65201

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1 ISSUED FOR BID 02/10/2020
INTERIOR WINDOW RESTORATION NOTES

1. CRACKED GLASS - REPLACE PANE
2. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC. SECTION 080532
3. SECURE LOOSE TRIM
4. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND PAINTING. REFER TO SPEC. SECTION 080531.
5. REMOVE AND REPLACE SECTION OF RUSTED WINDOW FRAME. REFER TO SPEC. SECTION 080531.
6. INSTALL NEW WOOD MUNTIN TO MATCH PROFILE ON EXISTING WINDOW. REFER TO SPEC. SECTION 080532.
7. REPAIR DETERIORATED WOOD WINDOW SASH. RE: V17/A230. REFER TO SPEC. SECTION 080532.
8. REPAIR CRACKED WOOD SASH. REFER TO SPEC. SECTION 080532.
9. REPLACE ROTTED OR WARPED WOOD SILL TRIM WITH NEW SILL TO MATCH EXISTING PROFILE. RE: B27/A230. REFER TO SPEC. SECTION 080532.

GENERAL WINDOW RESTORATION NOTES

1. REMOVE SEALANT AT ALL WINDOW PERIMETERS.
2. ADD NEW BACKER ROD AND SEALANT AT ALL WINDOW PERIMETERS.
3. PATCH ALL NAIL HOLES, DENTS AND IMPERFECTIONS ON WOOD WINDOW FRAMES PRIOR TO PRIMING, PAINTING OR STAINING.
4. THE ELEVATIONS ARE GRAPHIC REPRESENTATIONS OF WINDOW LOCATIONS AND SHOULD NOT BE SCALED. ALL WINDOWS SHALL BE FIELD MEASURED PRIOR TO FABRICATION.

EXTERIOR WINDOW RESTORATION NOTES

1. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC. SECTION 080532.
2. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND PAINTING. REFER TO SPEC. SECTION 080531.
3. MISSING TRIM PIECE. REFER TP SPEC. SECTION 080532.
4. REMOVE WINDOW WELL COVERS PRIOR TO MASONRY AND WINDOW AND MASONRY RESTORATION. REINSTALL AFTER MASONRY AND WINDOW RESTORATION IS COMPLETED.
5. REMOVE ALL EXISTING GLAZING PUTTY ON ALL RESTORED WINDOWS AND REPLACE WITH NEW GLAZING PUTTY.
6. REMOVE ALL EXISTING WINDOW SCREENS.
7. ALL SINGLE OR DOUBLE HUNG WINDOWS TO BE MADE OPERABLE.
8. ALL FOURTH FLOOR CASEMENT WINDOW TO BE MADE INOPERABLE WITH FASTENER OR TACK WELD.
9. ALL EXISTING INTERIOR AND EXTERIOR WINDOWS WITHIN THE CONSTRUCTION LIMIT SHALL BE RESTORED PER SPECIFICATIONS, WITH THE EXCEPTION OF THE INTERIOR OF WINDOWS 013, 014, 015, 016, AND 017. REFER TO ALTERNATE LIST FOR ADDITIONAL INFORMATION.

LEGEND:

- WINDOW NUMBER
- WINDOW TYPE
- WINDOW TO BE RESTORED
- WINDOW TO BE REPLACED
INTERIOR WINDOW RESTORATION NOTES

1. CRACKED GLASS - REPLACE PANE
2. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC. SECTION 080532
3. SECURE LOOSE TRIM
4. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND PAINTING. REFER TO SPEC. SECTION 080531.
5. REMOVE AND REPLACE SECTION OF RUSTED WINDOW FRAME. REFER TO SPEC. SECTION 080531.
6. INSTALL NEW WOOD MUNTIN TO MATCH PROFILE ON EXISTING WINDOW. REFER TO SPEC. SECTION 080532.
7. REPAIR DETERIORATED WOOD WINDOW SASH. RE: V17/A230. REFER TO SPEC. SECTION 080532.
8. REPAIR CRACKED WOOD SASH. REFER TO SPEC. SECTION 080532.
9. REPLACE ROTTED OR WARPED WOOD SILL TRIM WITH NEW SILL TO MATCH EXISTING PROFILE. RE: B27/A230. REFER TO SPEC. SECTION 080532.

GENERAL WINDOW RESTORATION NOTES

1. REMOVE SEALANT AT ALL WINDOW PERIMETERS.
2. ADD NEW BACKER ROD AND SEALANT AT ALL WINDOW PERIMETERS.
3. PATCH ALL NAIL HOLES, DENTS AND IMPERFECTIONS ON WOOD WINDOW FRAMES PRIOR TO PRIMING, PAINTING OR STAINING.

EXTERIOR WINDOW RESTORATION NOTES

1. ROTTED WOOD - FILL WITH WOOD EPOXY. REFER TO SPEC. SECTION 080532.
2. SAND AND CLEAN RUSTED MEMBERS PRIOR TO PRIMING AND PAINTING. REFER TO SPEC. SECTION 080531.
3. MISSING TRIM PIECE. REFER TO SPEC. SECTION 080532.
4. REMOVE WINDOW WELL COVERS PRIOR TO MASONRY AND WINDOW AND MASONRY RESTORATION. REINSTALL AFTER MASONRY AND WINDOW RESTORATION IS COMPLETED.

REMOVE ALL EXISTING GLAZING PUTTY ON ALL RESTORED WINDOWS AND REPLACE WITH NEW GLAZING PUTTY.

REMOVE ALL EXISTING WINDOW SCREENS.

ALL SINGLE OR DOUBLE HUNG WINDOWS TO BE MADE OPERABLE.

ALL FOURTH FLOOR CASEMENT WINDOW TO BE MADE INOPERABLE WITH FASTENER OR TACK WELD.

ALL EXISTING INTERIOR AND EXTERIOR WINDOWS WITHIN THE CONSTRUCTION LIMIT SHALL BE RESTORED PER SPECIFICATIONS, WITH THE EXCEPTION OF THE INTERIOR OF WINDOWS 013, 014, 015, 016, AND 017. REFER TO ALTERNATE LIST FOR ADDITIONAL INFORMATION.

REMOVE SECTION OF WOOD SASH AND REPLACE WITH MATCHING WOOD SPECIES, GRADE, FINISH, AND PROFILE. REMOVE AND REINSTALL HARDWARE AS NECESSARY FOR REPLACEMENT.
THERMAL + MOISTURE PROTECTION

REFER TO MASONRY KEYNOTES

EXISTING STONE

EXPOSED FACE OF STONE

PLAN VIEW

NOTE: STONE DELAMINATION MUST BE REMOVED UP TO 1" OF STONE SUBSTRATE PRIOR TO BEING PATCHED. TO PREPARE THE AREA FOR PATCHING, SQUARE CUT 1/2" SHOULDER AROUND THE EXISTING EDGES OF SPALLING STONE. REMOVE ALL SPALLING AND PRIOR TO PATCHING.

MATCHING HISTORIC MORTAR. PATCH SUBSTRATE. PATCH THE AREA WITH ADDITIONAL 1/4" OF SOUND MASONRY ANCHOR, PLUS AN DETERIORATED STONE AROUND THE PATCH. REMOVE DETERIORATED STONE PLUS AN AREA OF DAMAGE BOTH AT THE SURFACE TO REPLICATE MASONRY DUTCHMAN, TOOL LINE TO RECEIVE A DUTCHMAN PIECE.

EXISTING STONE TO MIN 4" DEPTH.

DOWELS & STONE PATCHING DETAIL

REPAIR OF STONE DELAMINATION WITH MICRO-PINS

REPAIR OF STONE DELAM. W/ THREADED RODS

TYPICAL VERTICAL EXPANSION JOINT DETAIL

TYPICAL SPALLING PLAN DETAIL

TYPICAL SPALLING ELEVATION DETAIL

TYPICAL DUTCHMAN REPAIR DETAIL

MAJOR AMIRAHMADI - ARCHITECT

ISSUED FOR BID

COLUMBIA, MO 65201

MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105

RESTORATION DETAILS

NO. REVISION SUBMISSION DATE

SEAL:

CHECKED BY:

DRAWN BY:

DESIGNED BY:

PROJ. NO.:

DATE:

INSTRUMENTS, OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS ARCHITECT, AND THIS ARCHITECT EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE MATERIAL AND ITEMS SHOWN ON THIS SHEET. ALL DRAWINGS, DOCUMENTS NOT EXHIBITING THIS SEAL.
STONES AFTER WATERPROOFING, COPPER FABRIC, AND FLASHING IS INSTALLED. REMOVE STONE AND EXAMINE THE SURFACE OF THE EXISTING CONCRETE BEYOND.

N7 - A521

045000.D

045000.F

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

KEYSTONE RESET SECTION

045000.D

045000.F

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

KEYSTONE RESET ELEVATION

045000.D

045000.F

KEYNOTES

040342.H FLUID-APPLIED WATERPROOFING

040342.G COPPER FABRIC FLASHING

040342.I MORTAR
### General Notes:
- **Restoration of Windows:**
  - Contract: Contractor is responsible for exterior windows.
- **General:**
  - 4 - None
  - 1 - None
  - 1" Insulating Glass Unit - Low-E
- **Window Schedule:**
  - Removing existing screens.
  - Existing electric roller shade: remove and reinstall after work is completed.

### Window Schedule

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