FOR: THE CURATORS OF THE UNIVERSITY OF MISSOURI

VARIous LOCATIONS - ROOF REPLACEMENT

JOHNSTON, WOLPERS, GILLETT & BINGHAM
COLUMBIA, BOONE COUNTY, MISSOURI 65211

DATE: JANUARY 31, 2020
PROJECT NO.: CP200411

CODES AND STANDARDS

INDEX OF DRAWINGS

NOTE: A COPY OF THIS SHEET MUST BE DISTRIBUTED TO THE UNIVERSITY OF MISSOURI, COLUMBIA CAMPUS, AT THE UNIVERSITY, TO THE OFFICE OF BUILDING SERVICES, TO THE UNIVERSITY ARCHIVES, AND TO THE UNIVERSITY OF MISSOURI, ADMINISTRATION BUILDING, AT THE COLUMBIA CAMPUS.

UNIVERSITY OF MISSOURI - COLUMBIA SITE MAP
DESTRUCTION: JOHNSTON RESIDENCE HALL
1. REMOVE EXISTING SEALANT FROM ALL STONE COPING JOINTS

RENOVATION: JOHNSTON RESIDENCE HALL
- PRIME ALL PREPARED STONE COPING JOINTS WITH APPROVED PRIMER
- INSTALL CLOSED CELL POLYETHYLENE BACKER ROD INTO PRIMED STONE COPING JOINTS. COMPRESS 30%
- APPLY DOW 791 DOW SEALANT TO ALL STONE COPING JOINTS. TOOL SMOOTH.
- APPLY A SAND FINISH TO TOOLED SEALANT.
- APPROXIMATELY 1,084 LINEAL FEET OF SEALANT APPLICATION.
DEMOLITION: WOLPERS RESIDENCE HALL
1. REMOVE ALL EXISTING SEALANT IN JOINTS BELOW COPING AND IN JOINTS BETWEEN COPING STONES.

RENOVATION: WOLPERS RESIDENCE HALL
1. GRIND ALL STONE COPING JOINTS
2. REMOVE WICKS
3. INSTALL NEW CLOSED CELL POLYETHYLENE BACKER ROD
4. CAULK WITH 1 PART SEALANT - SAND FINISH
5. APPROXIMATELY 1,000 LINEAL FEET OF SEALANT APPLICATION.
DEMOLITION: GILLET RESIDENCE HALL
1) REMOVE ALL EXISTING SEALANT IN JOINTS BELOW COPING
   AND IN JOINTS BETWEEN COPING STONES.

RENOVATION: GILLET RESIDENCE HALL
- GRIND ALL STONE COPING JOINTS
- REMOVE WICKS
- INSTALL NEW CLOSED CELL POLYETHYLENE BACKER ROD
- CAULK WITH 1 PART SEALANT - SAND FINISH
- APPROXIMATELY 3,525 LINEAL FEET OF SEALANT APPLICATION

RENOVATION ROOF PLAN

CLOSED CELL FOAM BACKER ROD - COMPRESSED 33%
APPLY ELASTOMERIC SEALANT TO ALL STONE COPING JOINTS - TOOL SMOOTH
APPLY ELASTOMERIC SEALANT EXISTING METAL RECEIVER
EXISTING COUNTERFLASHING METAL-DO NOT DISTURB

COPING JOINT
COPING ON WALL JOINT

SCALE: 1" = 4"-0"
### BINGHAM ROOF AREA

<table>
<thead>
<tr>
<th>Roof Section</th>
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<tr>
<td>1</td>
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<tr>
<td>9</td>
<td>600</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15,556</strong></td>
</tr>
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</table>

### ROOF CONSTRUCTION – BINGHAM RES LIFE:

1. CONCRETE, VB, 5" EPS, EPDM
2. CONCRETE, VB, 3" EPS, EPDM
3. CONCRETE, VB, 1.5" INSULATION, 2 PLY MOD & GRANUL.
4. CONCRETE, VB, 4.5" INSULATION, 2 PLY MOD & GRANUL.
5. CONCRETE, VB, 3" INSULATION, 3 PLY MOD & GRANUL.
6. CONCRETE, VB, 3" INSULATION, 2 PLY MOD & GRANUL.
7. CONCRETE, VB, 3" INSULATION, 2 PLY MOD & GRANUL.
8. CONCRETE, VB, 1.5" INSULATION, 2 PLY MOD & GRANUL.
9. METAL, ZONOLITE SLOPED, 2.5" INSULATION, 2 PLY MOD & GRANUL.
10. METAL, ZONOLITE SLOPED, 2.5" INSULATION, 2 PLY MOD & GRANUL.
11. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
12. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
13. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
14. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
15. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
16. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
17. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.
18. CONCRETE, VB, 3.5" INSULATION, 2 PLY MOD & GRANUL.

### DEMO NOTES:

1. REMOVE BUILT UP ROOF ASSEMBLY TO CONCRETE DECK.
2. REMOVE VAPOR BARRIER TO LIGHTWEIGHT CONCRETE SUBSTRATE.
3. REMOVE EPDM SINGLE-PLY ROOF ASSEMBLY TO CONCRETE DECK.
4. REMOVE ALL ROOFING RELATED FLASHINGS.
5. REMOVE ALL ASSOCIATED SHEET METAL DETAILS.
6. EXISTING ROOF DRAINS TO REMAIN, REMOVE STRAINER AND CLAMPING RING FOR REINSTALLATION.
7. EXISTING CURB MOUNTED EQUIPMENT TO REMAIN, REMOVE SURROUNDING FLASHINGS.
8. EXISTING PLUMBING HOLES TO REMAIN, REMOVE ALL ASSOCIATED FLASHING.
9. REMOVE EPDM FLASHING ON STRUCTURAL COLUMNS ABOVE COPPER TRIM.
10. ROOF 1 – DOOR THRESHOLD TO REMAIN IN PLACE.
11. ROOF 1 – STRUCTURAL SUPPORT TO REMAIN ON ROOF AREA.
12. REMOVE SHEET METAL COUNTER FLASHING FROM MECHANICAL UNIT AND SET ASIDE FOR REINSTALLATION.
13. REMOVE THROUGHWALL SCUPPER PICTURE FRAME FROM EXTERIOR PARAPET.
14. SCUPPER INSERTS TO REMAIN.
15. REMOVE SHEET METAL EXPANSION JOINT COVERS.
16. REMOVE SHEET METAL COPINGS.
17. W-6 – REDECKER UNDER COPING TO REMAIN, DO NOT DISTURB.
18. W-5 – REMOVE ALL EXISTING SEALANT IN COPING JOINTS.
19. W-5 – REMOVE SURFACE MOUNTED COUNTERFLASHING.
20. W-5 – REDECKER ABOVE FLASHING TO REMAIN.
21. W-4 – SURFACE MOUNTED COUNTERFLASHING TO BE REMOVED.
22. W-6 – REMOVE FLASHING BELOW REDECKER METAL.
23. W-6 – REMOVE ALL SEALANT IN JOINTS BETWEEN COPINGS.

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**Legend:**
- **Roof Deck**: Premium Roofing Systems
- **Roof System**: Roofing Systems
- **Roof Cap**: Roofing Cap
- **Roof Membrane**: Roofing Membrane
- **Roof Insulator**: Roof Insulator