

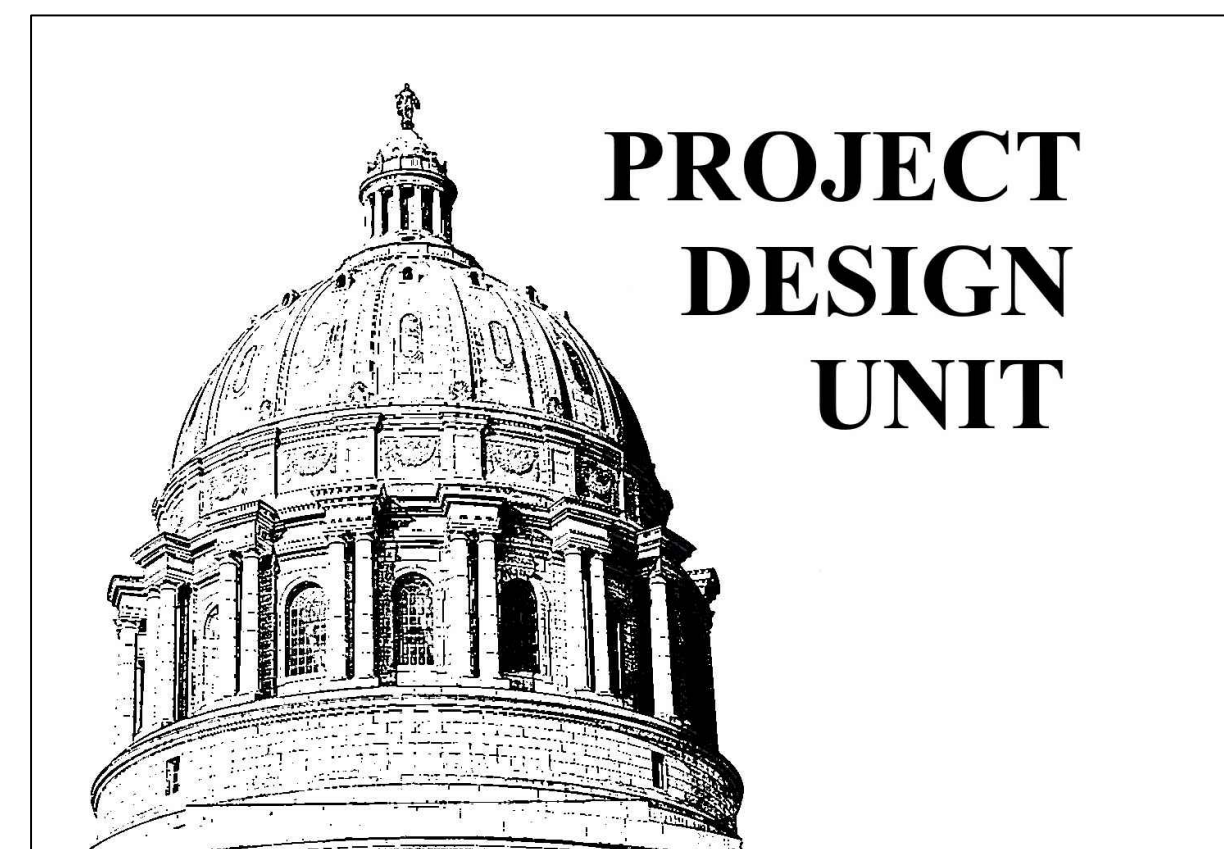
VOLUME 3

REPLACE HVAC, STRUCTURAL REPAIRS, & REPLACE ROOF

GEORGE WASHINGTON CARVER
STATE OFFICE BUILDING
JEFFERSON CITY, MISSOURI

OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR
OFFICE OF ADMINISTRATION

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION



DESIGNER: STATE OF MISSOURI - OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT DESIGN
AND CONSTRUCTION: 301 W. HIGH STREET,
JEFFERSON CITY, MO. 65102

PROJECT NUMBER: O2440-01

SITE NUMBER: 1010

ASSET NUMBER: 3101010001

SHEET LIST:
G-001 - COVERSHEET
A-100 - EXISTING ROOF PLAN
A-101 - ROOF PLAN
A-102 - ELEVATIONS
A-103 - DETAILS

SHEET NUMBER:

G-001

1 OF 5 SHEETS
JUNE 14, 2024



Brad M. Schaefer - Architect
MO# A-2009027294

BID DOCUMENTS

Office of Administration

Division of Facilities Management
Design and Construction
Project Design Unit

Office of Administration

Division of Facilities Management
Design and Construction

PROJECT:
Replace HVAC, Structural Repairs,
and Replace Roof - Volume 3

LOCATION:
George Washington Carver
State Office Building
1616 Missouri Boulevard
Jefferson City, MO 65109

PROJECT # O2440-01
SITE # 1010
ASSET # 3101010001

ISSUE DATE: 06/14/2024

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CAD DWG FILE: O2440-01

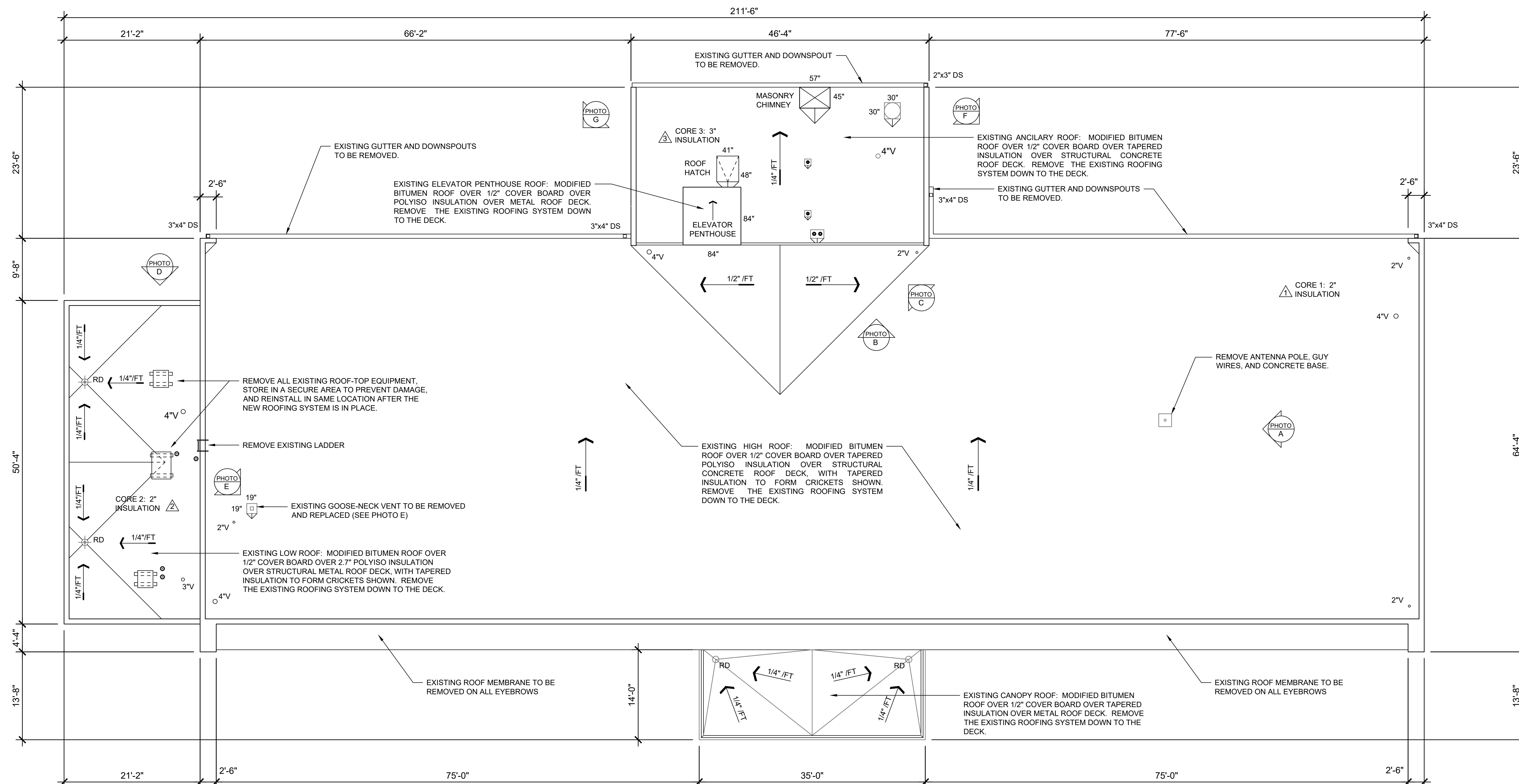
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SHEET TITLE:
VOLUME 3
EXISTING ROOF PLAN

SHEET NUMBER:

A100 2 OF 5 SHEETS

14 June 2024



ABBREVIATIONS:
DS - DOWNSPOUT
FT - FOOT
RD - ROOF DRAIN
V - VENT



1 EXISTING ROOF PLAN

1/8"=1'-0"

NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND SLOPES



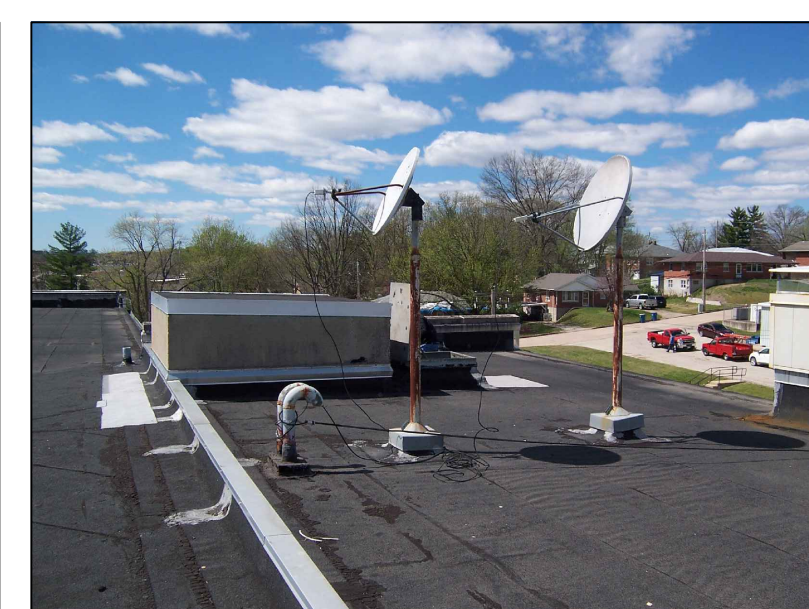
A PHOTO
NOT TO SCALE

ANTENNA POLE, GUY WIRES, AND CONCRETE BASE TO BE REMOVED.



B PHOTO
NOT TO SCALE

MASONRY CHIMNEY AND VENTILATOR TO REMAIN.



C PHOTO
NOT TO SCALE

ROOF DIVIDER WALL, SATELLITE DISH SUPPORTS, ELEVATOR PENTHOUSE, AND ROOF HATCH.



D PHOTO
NOT TO SCALE

LOW ROOF WITH EQUIPMENT AND EXISTING ROOF LADDER.



E PHOTO
NOT TO SCALE

EXISTING GOOSE-NECK VENT TO BE REPLACED.



F PHOTO
NOT TO SCALE

ROOF AND GUTTERS ON EAST END OF BUILDING.



G PHOTO
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ROOF AND GUTTERS ON WEST END OF BUILDING.



Brad M. Schaefer - Architect
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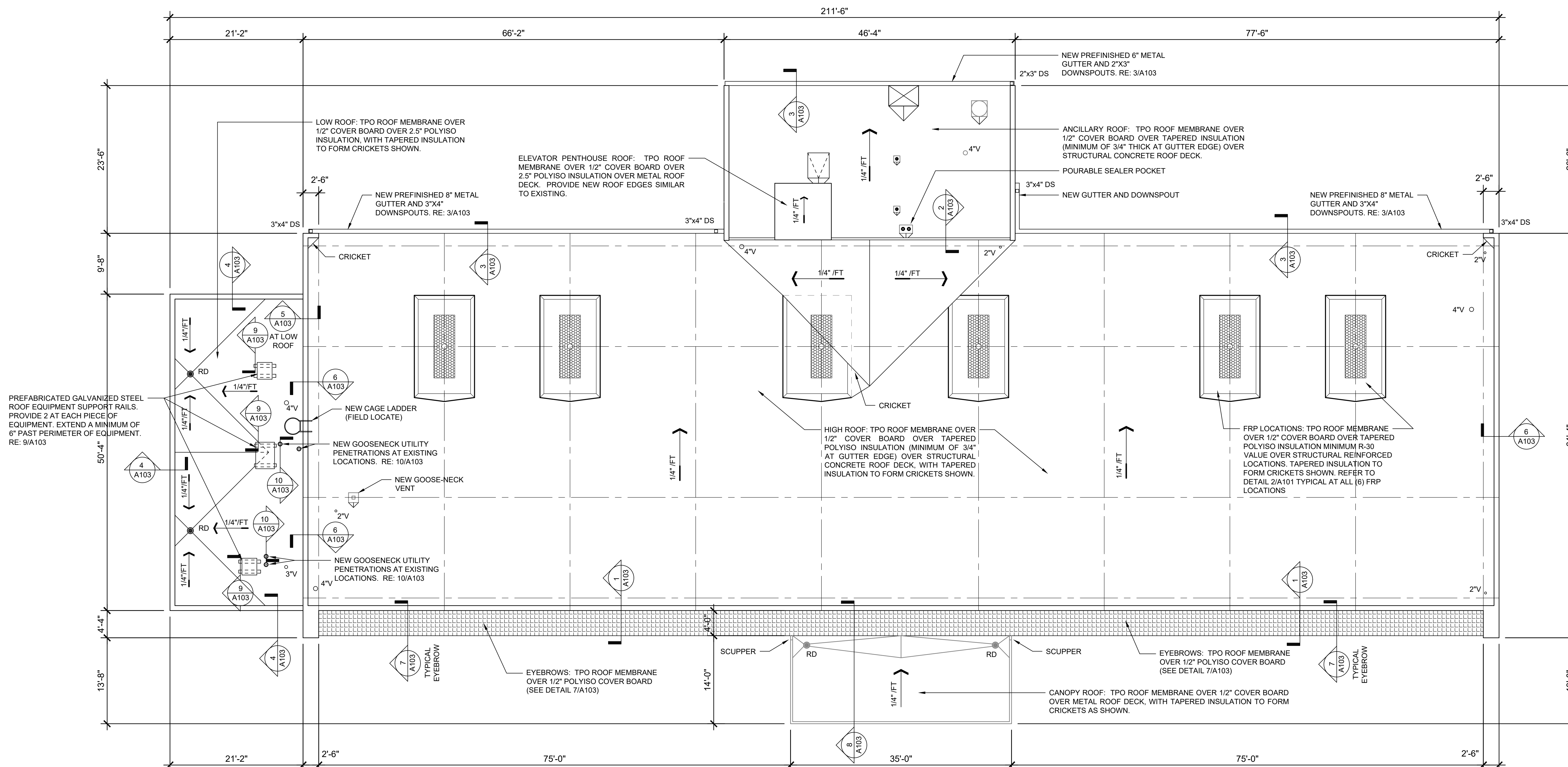
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VOLUME 3
ROOF PLAN

SHEET NUMBER:

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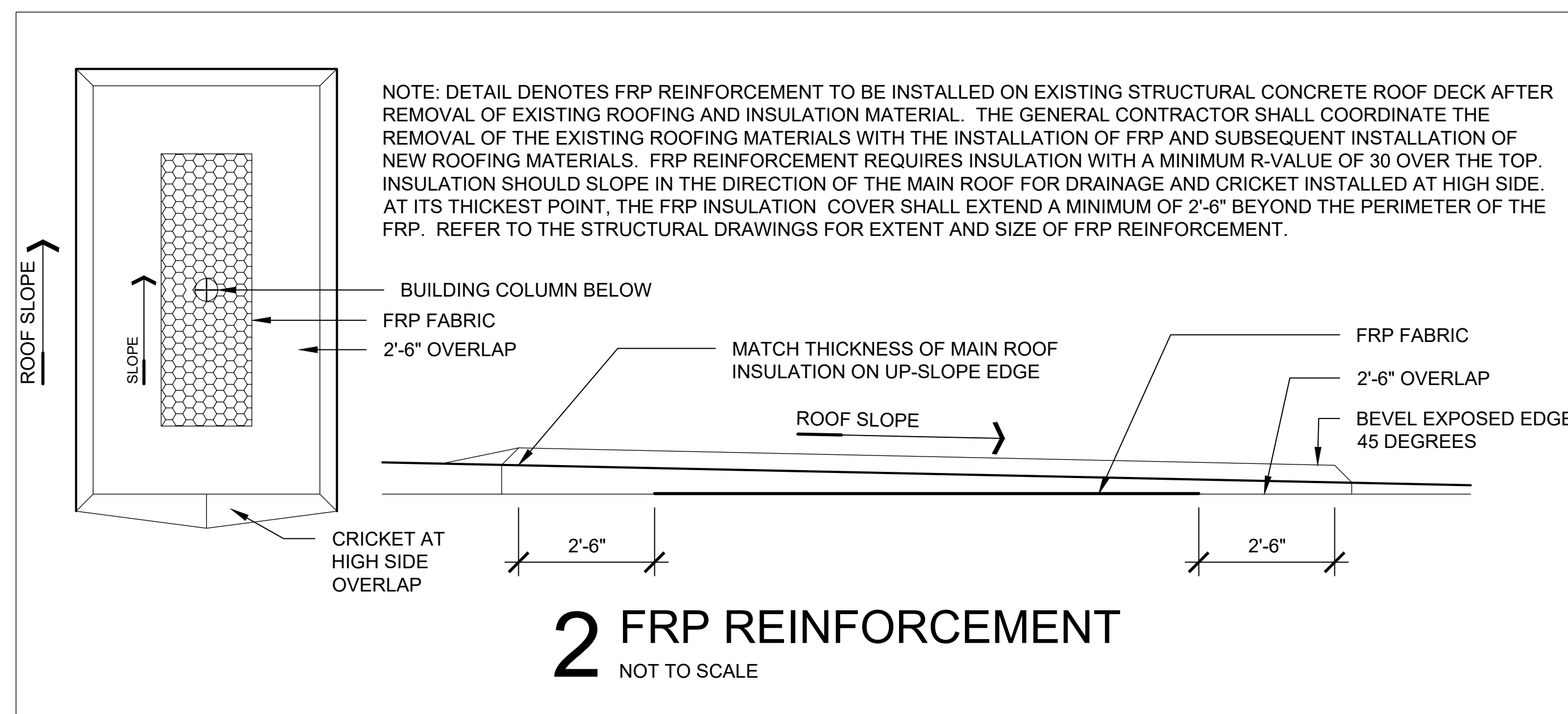


1 ROOF PLAN
1/8"=1'-0"
NORTH

- NOTES:**
- FIELD VERIFY ALL EXISTING DIMENSIONS AND SLOPES.
 - VERIFY SIZE AND THICKNESS OF ALL NEW MATERIALS TO BE USED.
 - FIELD VERIFY ALL EXISTING CONDITIONS TO ENSURE PROPER COMPLETION OF THE NEW WORK.
 - REMOVE AND DISPOSE OF EXISTING MATERIALS SHOWN TO BE REMOVED.
 - EXTEND EXISTING VENTS AS REQUIRED TO ACCOMMODATE NEW ROOF INSULATION THICKNESS.
 - BUILD UP EXISTING CURBS AS REQUIRED TO ACCOMMODATE NEW ROOF INSULATION THICKNESS.
 - REPLACE ANY DETERIORATED EXISTING TREATED WOOD BLOCKING AS REQUIRED.
 - REPLACE GUTTERS WITH NEW GUTTERS THE SAME SIZE AND PROFILE AS EXISTING.
 - REPLACE DOWNSPOUTS WITH NEW DOWNSPOUTS THE SAME SIZE AND PROFILE AS EXISTING.
 - REPLACE EXISTING 6x6 TREATED WOOD SLEEPERS FOR ROOFTOP EQUIPMENT SUPPORT AS REQUIRED (SEE DETAIL 9/A103).
 - FLASH PLUMBING VENTS, AND ANY OTHER ROOF PENETRATIONS, AS REQUIRED TO PROVIDE A WATER-TIGHT SEAL.
 - FLASH ROOF AT EDGES, VERTICAL WALLS, AND COPINGS AS REQUIRED TO PROVIDE A WATER-TIGHT SEAL.
 - INSTALL TPO RETROFIT ROOF DRAINS AT ALL EXISTING ROOF DRAIN LOCATIONS.
 - PROVIDE ALL MATERIALS AND ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION.
 - INSTALLATION OF ALL NEW MATERIALS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - CONSTRUCT NEW WORK SUCH THAT IT BLENDS SEAMLESSLY WITH EXISTING CONDITIONS.
 - DO NOT IMPEDE THE OPERATION OF THE FACILITY IN ANY MANNER WHILE CONSTRUCTION IS UNDERWAY.
 - STORE MATERIALS ONLY IN APPROVED AREAS ON THE SITE.
 - THOROUGHLY CLEAN ROOFS AND SITE UPON COMPLETION OF ROOFING WORK. PICK UP AND PROPERLY DISPOSE OF ALL FASTENERS, DEBRIS, AND EXTRA MATERIAL NOT MEANT TO BE LEFT WITH THE OWNER.
 - REPAIR ANY DAMAGE MADE TO THE BUILDINGS AND GROUNDS BY CONSTRUCTION ACTIVITIES.
 - PROVIDE ROOF PIPING SURFACE MOUNTED SUPPORTS AT ANY EXPOSED ROOF PIPING. ROOF SUPPORTS SHALL BE SURFACE MOUNTED WITH CHANNEL MOUNTED CLIPS. LOCATE SUPPORTS AT MINIMUM OF 5'-0" SPACING AND AT CORNERS OF PIPING CONNECTIONS.
 - INSULATE ALL REFRIGERANT PIPES WITH 0.75 INCH THICK FLEXIBLE ELASTOMERIC CELLULAR INSULATION THAT COMPLIES WITH ASTM C534 GRADE 1. INSTALL ALUMINUM JACKET TO ANY EXTERIOR REFRIGERATE PIPE.

ABBREVIATIONS:
FRP - FIBER REINFORCED POLYMER
DS - DOWNSPOUT
FT - FOOT
RD - ROOF DRAIN
V - VENT

- SCOPE OF WORK (INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING):**
- REMOVE EXISTING ROOF LADDER
 - REMOVE EXISTING ROOF-TOP EQUIPMENT.
 - REMOVE EXISTING ROOFING AND INSULATION MATERIAL DOWN TO STRUCTURAL DECK ON AREAS SHOWN.
 - REMOVE EXISTING FLASHINGS AND TRIM. SALVAGE AS REQUIRED.
 - REMOVE EXISTING GUTTERS AND DOWNSPOUTS.
 - PREPARE ROOF AS REQUIRED TO RECEIVE NEW ROOF SYSTEM.
 - INSTALL BLOCKING, CONSTRUCT DIVIDER WALL, EXTEND CURBS, AND EXTEND VENTS AS REQUIRED FOR NEW WORK.
 - COORDINATE NEW ROOFING WITH INSTALLATION OF FRP REINFORCEMENT AS DEFINED IN VOLUME 2 OF THE PROJECT.
 - INSTALL NEW INSULATION, COVER BOARD, AND TPO MEMBRANE.
 - INSTALL NEW FLASHINGS AND TRIM. REINSTALL EXISTING FLASHINGS AND TRIM WHERE SHOWN.
 - INSTALL NEW GUTTERS AND DOWNSPOUTS.
 - INSTALL TPO RETROFIT ROOF DRAINS
 - RESEAL ALL JOINTS IN EXISTING STONE COPING.
 - REINSTALL ROOF-TOP EQUIPMENT.
 - INSTALL NEW CAGE LADDER.
 - INSTALL INSULATION ON EXISTING REFRIGERANT PIPING.





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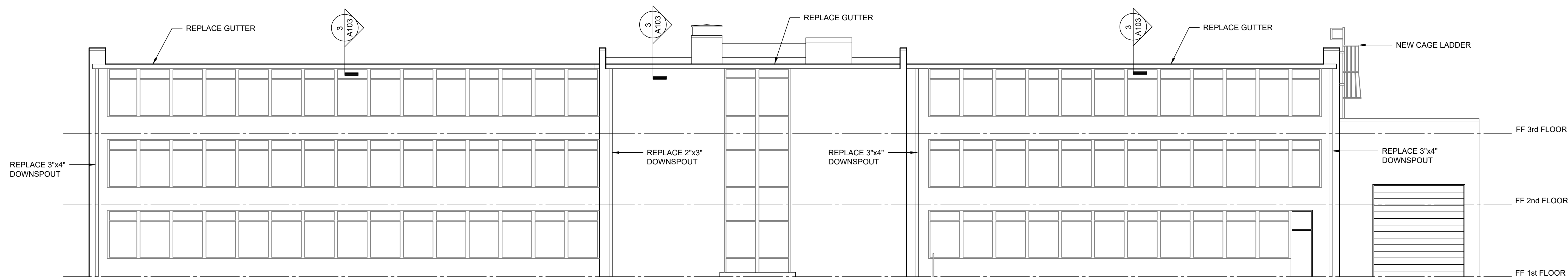
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SHEET TITLE:
**VOLUME 3
ELEVATIONS**

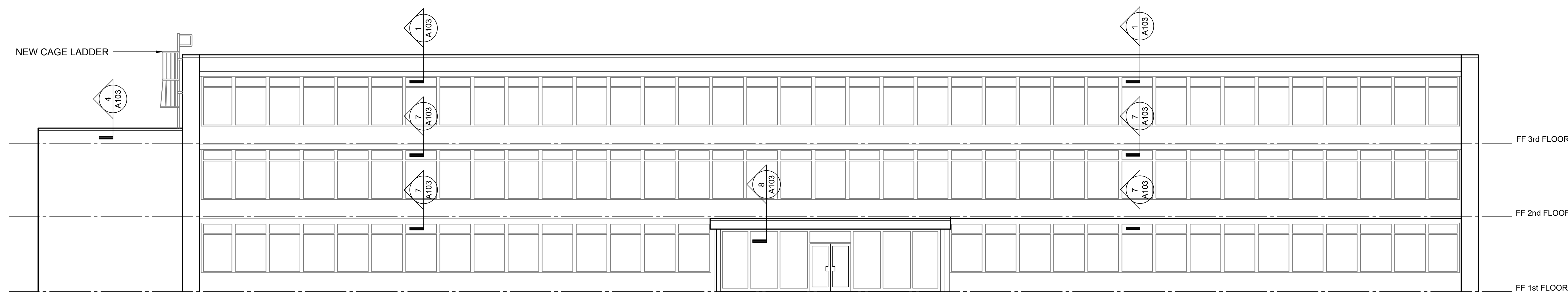
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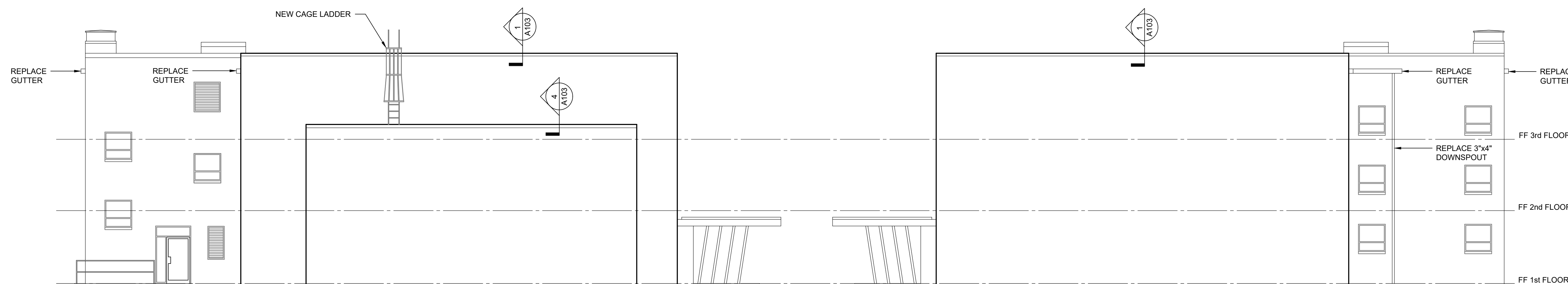
14 June 2024



1 NORTH ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 WEST ELEVATION
1/8" = 1'-0"

4 EAST ELEVATION
1/8" = 1'-0"



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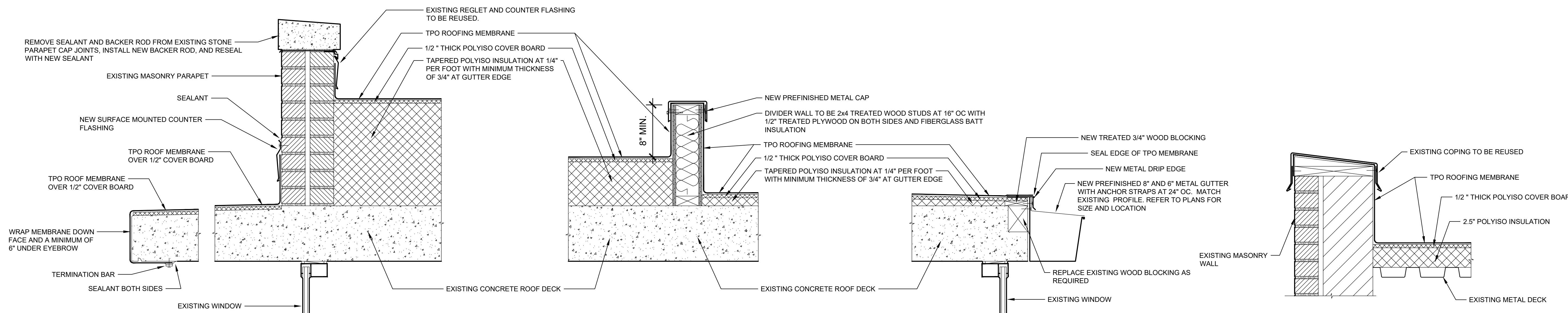
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**VOLUME 3
DETAILS**

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A103 5 OF 5 SHEETS

14 June 2024

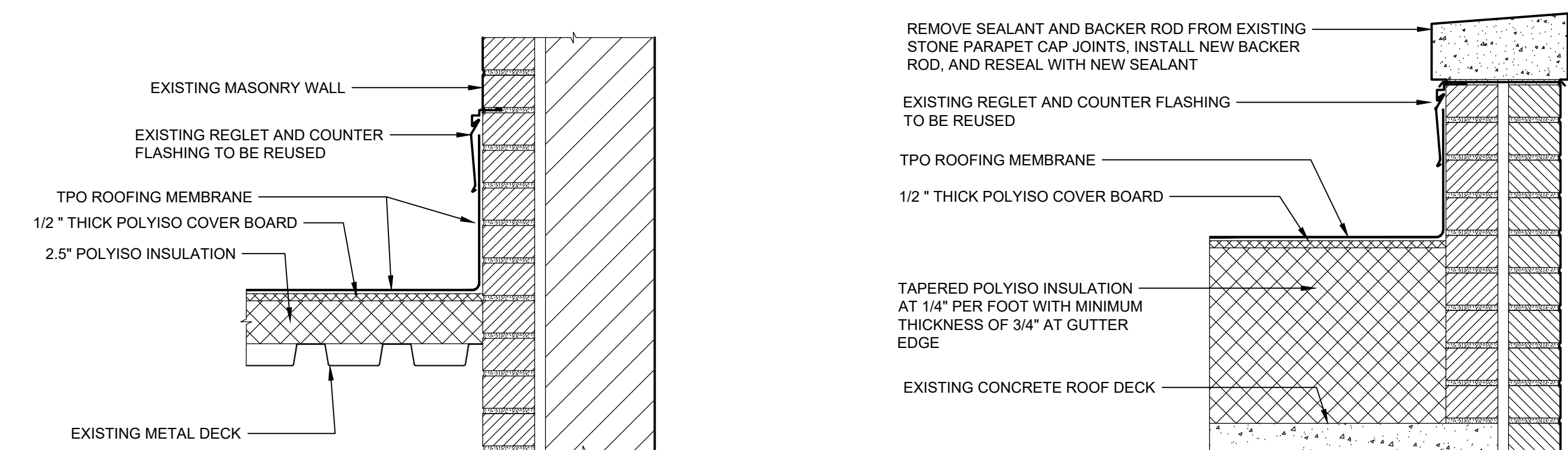


1 TYPICAL FRONT PARAPET DETAIL
1 1/2"=1'-0"

2 TYPICAL ROOF DIVIDER DETAIL
1 1/2"=1'-0"

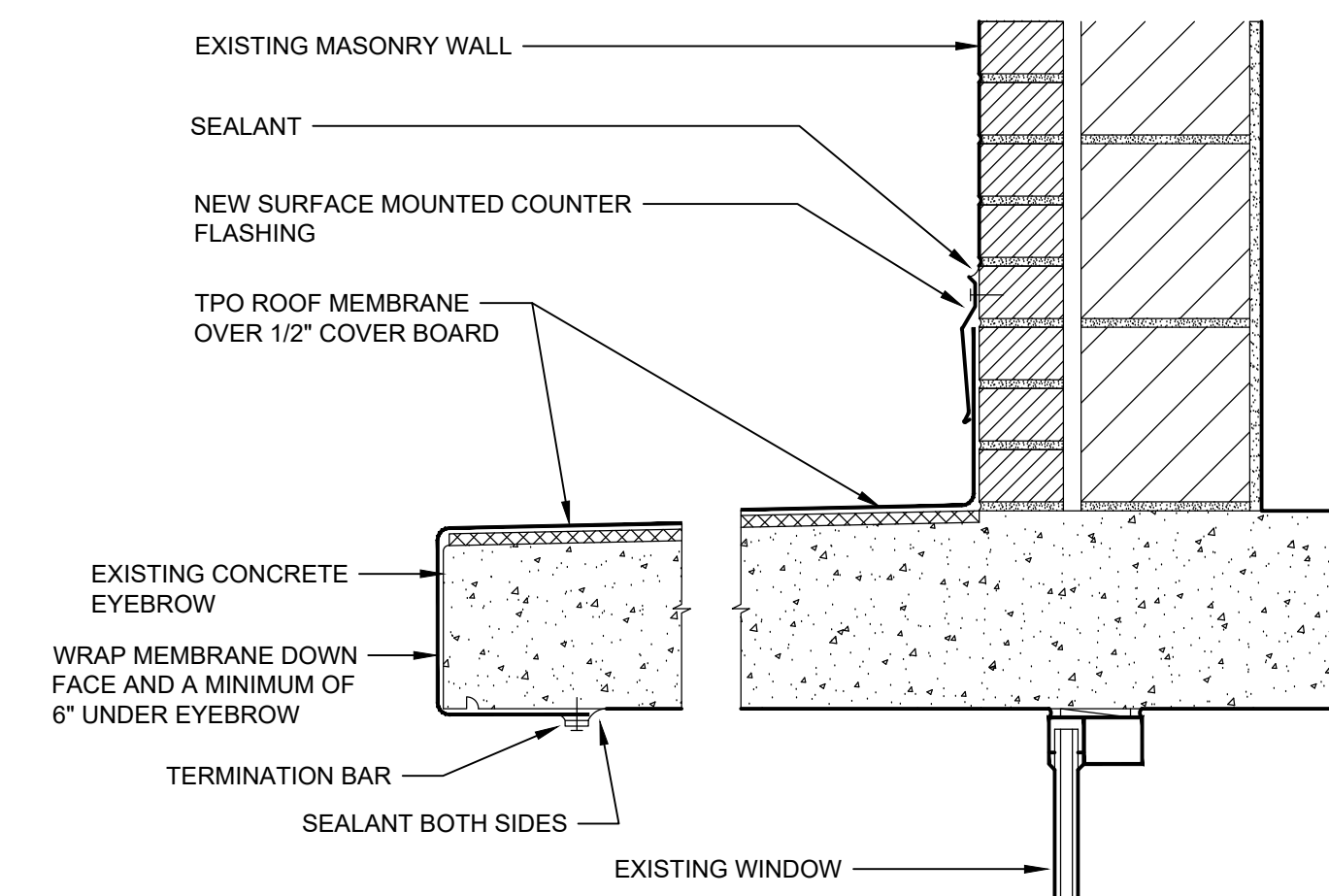
3 TYPICAL GUTTER DETAIL
1 1/2"=1'-0"

4 TYPICAL LOW PARAPET DETAIL
1 1/2"=1'-0"



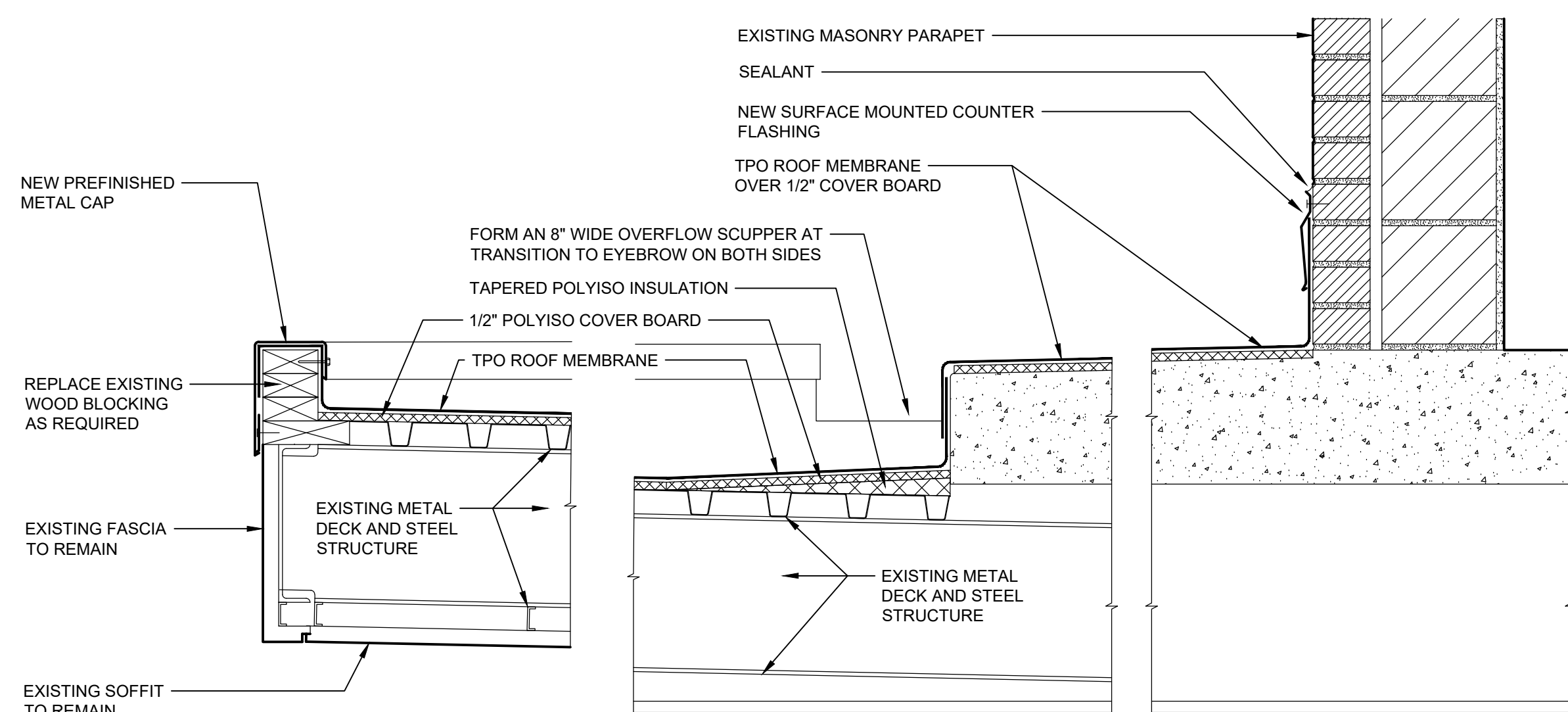
5 TYPICAL VERTICAL WALL DETAIL
1 1/2"=1'-0"

6 TYPICAL HIGH PARAPET DETAIL
1 1/2"=1'-0"

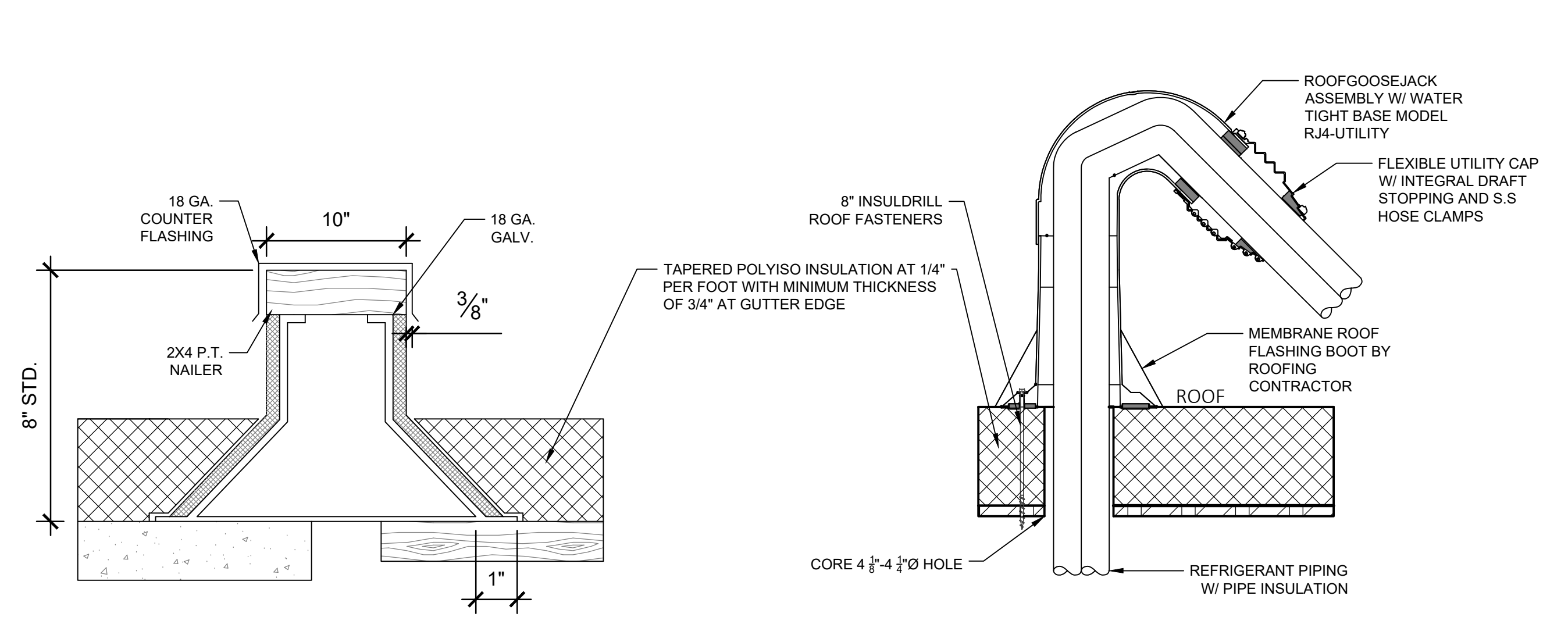


NOTE: TYPICAL EYEBROW DETAIL AT FLOORS TWO AND THREE ON THE SOUTH ELEVATION OF THE BUILDING

7 TYPICAL EYEBROW DETAIL
1 1/2"=1'-0"



8 CANOPY DETAIL
1 1/2"=1'-0"



9 EQUIPMENT SUPPORT DETAIL
N.T.S.

10 ROOF PIPE PENETRATION DETAIL
N.T.S.