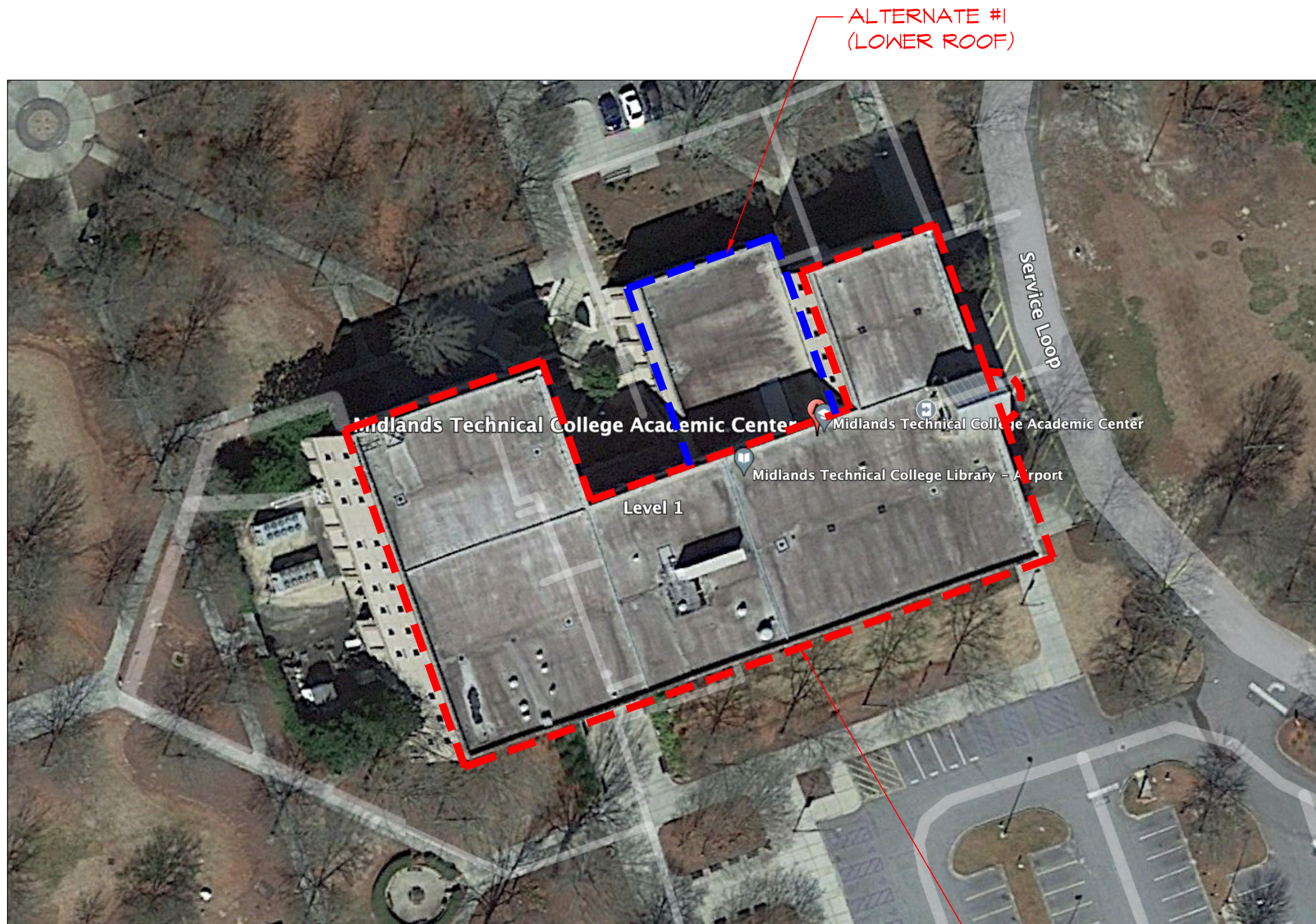


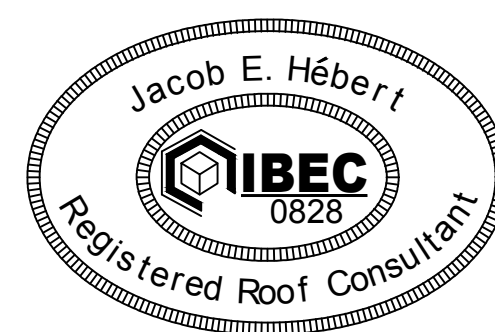
Midlands Technical College Airport Campus Academic Center Re-Roof Project SC State Project #H59-N271-PD



SITE OVERVIEW
SCALE: N.T.S.

ALTERNATE #1
(LOWER ROOF)

BASE BID WORK
(UPPER ROOF AND
ENTRANCE ROOF)



GENERAL REQUIREMENTS:

1. Install new roof system and flashings per manufacturer's requirements.
2. Dispose of all removed materials properly per OSHA, and EPA regulations.
3. Examine the existing substrate to verify that conditions are satisfactory to receive the new roof system.
4. Before application of the roof, contractor shall identify any areas of the deck or existing roof system that ponds water or does not have positive drainage. These low areas shall be built-up by installing tapered insulation. Filling "bird-baths" with asphalt or other materials that will re-soften will not be permitted. These areas are solely the responsibility of the contractor to identify and provide positive drainage.
5. Contractor shall notify the consultant of any areas that are unsuitable before proceeding with the new installation or of any extra work.
6. Verify that the existing wood blocking is acceptable to accept new metal, blocking, etc. and install new yellow grade exterior pine wood blocking as necessary for new details. Fasteners to be corrosion resistant (stainless steel or hot dipped galvanized) and installed not less than 3" from the end of the wood and spaced 12" on center (staggered if wider than 6"); spacing shall be a minimum of 6" centers on corner regions of the building. Fasteners to resist a vertical load of 200 lbs./ft.
7. Deck pull out shall meet uplift requirements. Verify with roofing manufacturer and provide test results when requested.
8. Temporary waterproof tie-ins shall be installed daily regardless of the weather predictions. The roofing contractor shall provide and be responsible for maintaining overnight and temporary weather protections at all times. Protect all roofing and building components during all phases of work.
9. This drawing has been prepared on basis of observation at the site and is intended to present an essentially accurate indication of physical conditions at the site. Contractor is responsible for verifying existing dimensions, job conditions, quantities and installation compatibility. No evaluation of structural integrity, load bearing capacity of roof deck and supporting elements included in scope of work covered by these drawings.
10. Edge metals must fall under Roofing Manufacturer's Warranty.
11. Clean Project site and work areas daily. Debris from roofing work shall be removed from the premises and disposed of at the end of each working day and upon completion of the work to the satisfaction of the Building Owner. The existing roof shall be left in good, clean condition. No sharp objects, and other debris shall remain on top of the membrane once it has been installed.
12. Contractor shall locate all electrical conduit and take necessary precautions to avoid damaging conduits when installing screws through the deck or working around conduit on the roof. If conduit or junctions are damaged by the contractor, the contractor must contact Owner approved electrician for repairs.
13. All mechanical and electrical work required as part of this project should be included in bids. Including raising units to achieve the proper flashing heights.

DRAWING LEGEND

- CV = COVER PAGE / GENERAL NOTES
- A1 = ROOF SYSTEM NOTES
- A2 = ROOF PLAN
- A3 = DETAILS



NOTES:
THE DRAWING WILL ONLY
BE TO SCALE WHEN PRINTED
ON 18x24 SHEET SIZE.

CONTRACTOR IS RESPONSIBLE
FOR VERIFICATION OF CONDITIONS

Midlands Technical College - Airport Campus
1260 Lexington Dr.
Columbia, SC

COVER SHEET

DRN BY: JEH
DATE: 01-10-24
REVISION: -
SCALE: AS NOTED
DRAWING NO:
CV

SCOPE OF WORK:

BASE BID: Upper Roof and Building Entrance Roof.

1. Sweep the gravel surfacing from the existing BUR roofing system to the existing roof plies removing all loose rock.
2. Remove all dirt, dust, and debris from the existing BUR roofing system.
3. Remove all existing parapet wall and roof curb modified bitumen flashings.
4. Install new ½" slope crickets at roof drains where specified.
5. Mechanically attached ½" HD Polyisocyanurate cover board over entire roof surface.
6. Fully adhere .060 mil specified PVC single ply membrane to the ½" HD polyisocyanurate cover board.
7. Install new .060 mil specified PVC single ply membrane parapet wall and roof curb flashings.
8. Install retrofit roof drains at the existing roof drain locations.
9. Remove the existing chain link fencing and repair the roof deck as needed.
10. Raise the flashing height at the existing wall panels as specified.
11. Remove the existing sealant and caulk the parapet wall concrete coping cap joints.
12. Clean and seal the concrete coping caps.
13. Remove the security line conduit fasteners and clamps, perform work on the parapet wall coping cap as specified, and reinstall the conduit with new fasteners and clamps.
14. Install new 24-gauge Kynar galvanized wall flashings, counter flashings, curb flashings and roof area divider caps.
15. Install new expansion joint as specified.
16. Provide manufactures 20-year No Dollar Limit roof warranty.
17. Provide contractors 2-year labor warranty.

SCOPE OF WORK:

ALTERNATE BID: Lower Roof ADD.

1. Sweep the gravel surfacing from the existing BUR roofing system to the existing roof plies removing all loose rock.
2. Remove all dirt, dust, and debris from the existing BUR roofing system.
3. Remove all existing parapet wall and roof curb modified bitumen flashings.
4. Install new ½" slope crickets at roof drains where specified.
5. Mechanically attached ½" HD Polyisocyanurate cover board over entire roof surface.
6. Fully adhere .060 mil specified PVC single ply membrane to the ½" HD polyisocyanurate cover board.
7. Install new .060 mil specified PVC single ply membrane parapet wall and roof curb flashings.
8. Install retrofit roof drains at the existing roof drain locations.
9. Remove the existing sealant and caulk the parapet wall concrete coping cap joints.
10. Clean and seal the concrete coping caps.
11. Remove the security line conduit fasteners and clamps, perform work on the parapet wall coping cap as specified, and reinstall the conduit with new fasteners and clamps.
12. Install new 24-gauge Kynar galvanized wall flashings, counter flashings, and curb flashings.
13. Provide manufactures 20-year No Dollar Limit roof warranty.
14. Provide contractors 2-year labor warranty.



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Chattanooga, TN 37421
WWW.BMCUSA.NET

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GENERAL NOTES

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SCALE: AS NOTED
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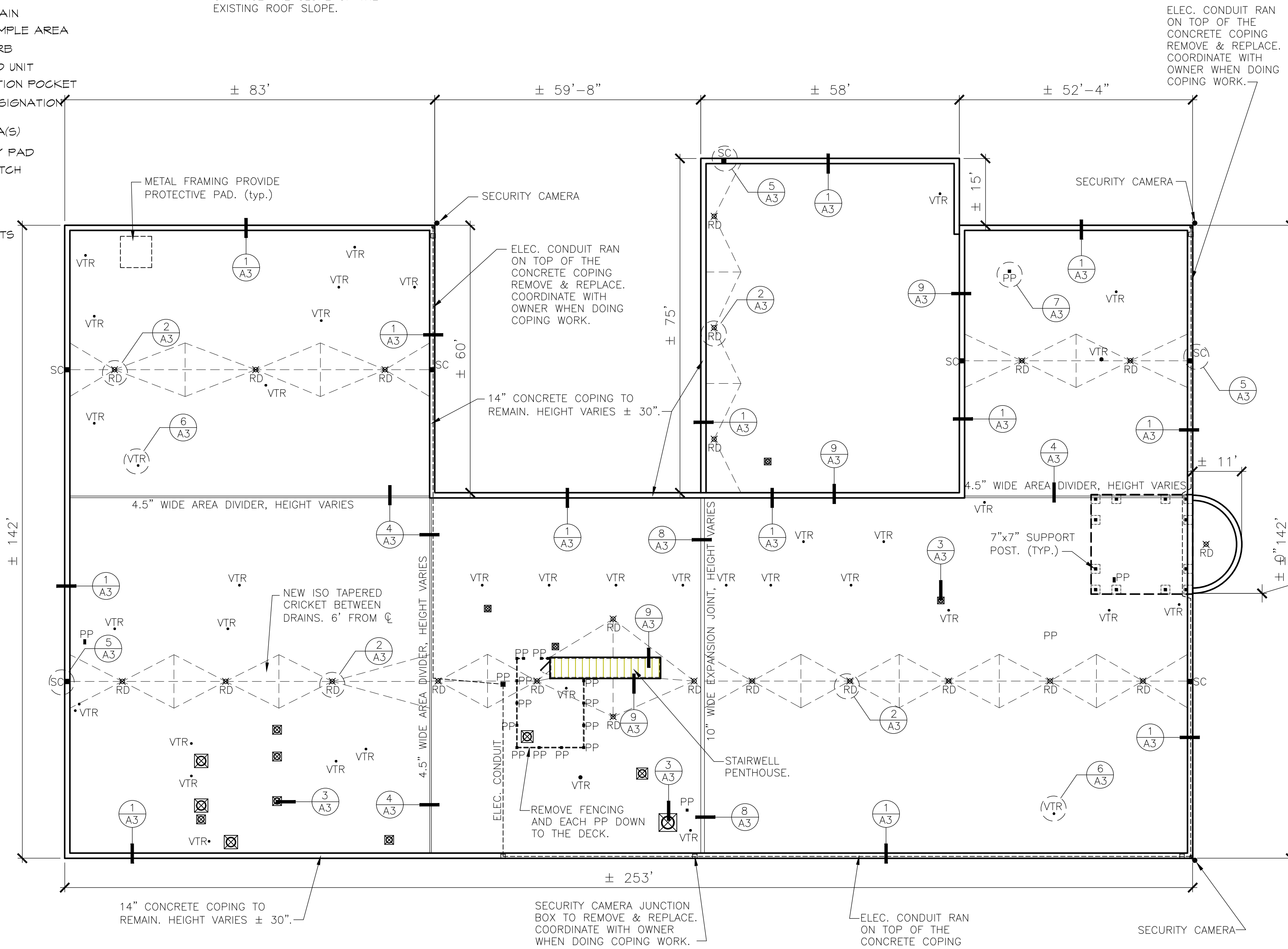
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LEGEND

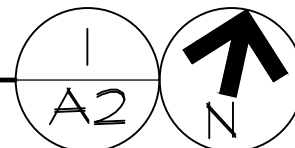
- ===== PARAPET WALL
- ROOF EDGE
- ~~~~~ EXPANSION JOINT
- PIPING ON SUPPORTS
- VENT PIPE
- ⊗ VENT STACK
- ⊗ ROOF DRAIN
- ⊗ CORE SAMPLE AREA
- ⊗ ROOF CURB
- ⊗ ELEVATED UNIT
- ⊗ PENETRATION POCKET
- 01B AREA DESIGNATION
- ▨ WET AREA(S)
- ▨ WALKWAY PAD
- ▨ ROOF HATCH
- ▨ LADDER
- ▨ STAIRS
- ▨ SKY LIGHTS

NOTES:

1. PROVIDE ELECTRICAL CONDUIT SUPPORT WHEN CONDUIT IS ON THE ROOF SURFACE.
2. INSTALL WALKPADS AT ALL UNITS AND ACCESS POINTS.
3. INSTALL NEW TAPERED CRICKETS BETWEEN EACH DRAIN AT A RATE OF TWICE THE SLOPE OF THE EXISTING ROOF SLOPE.



ROOF PLAN
SCALE: 1/16" = 1'-0"



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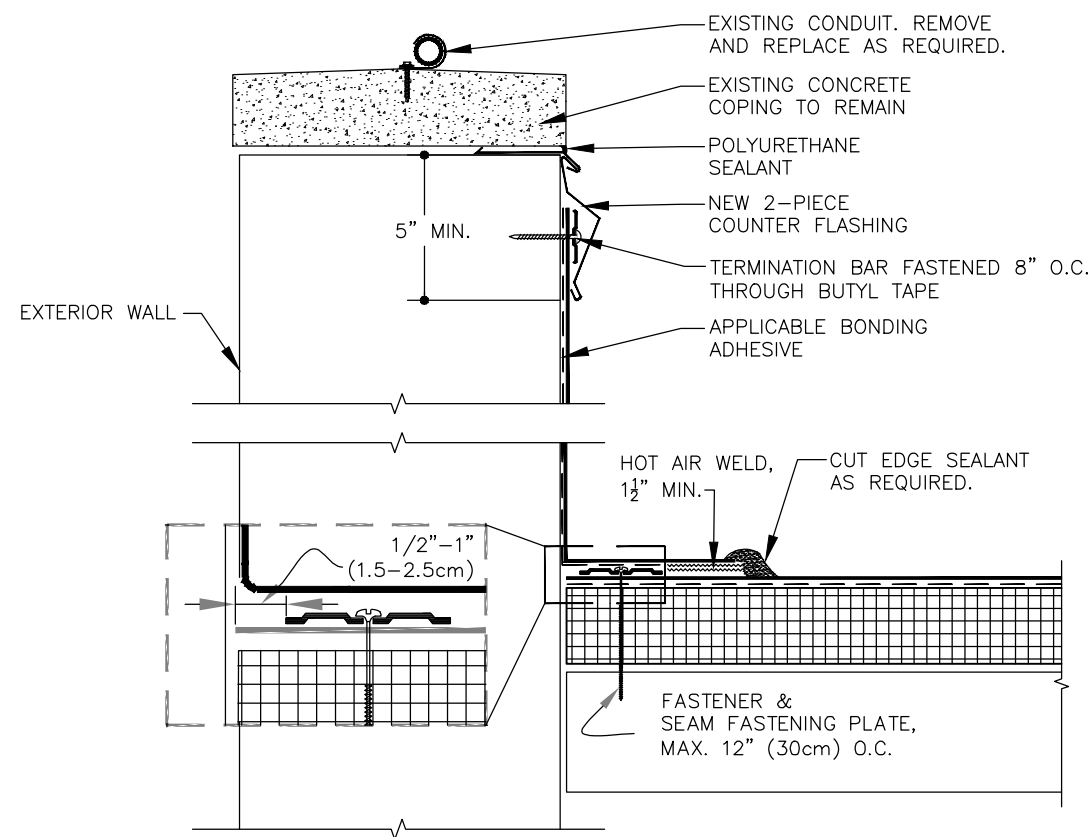
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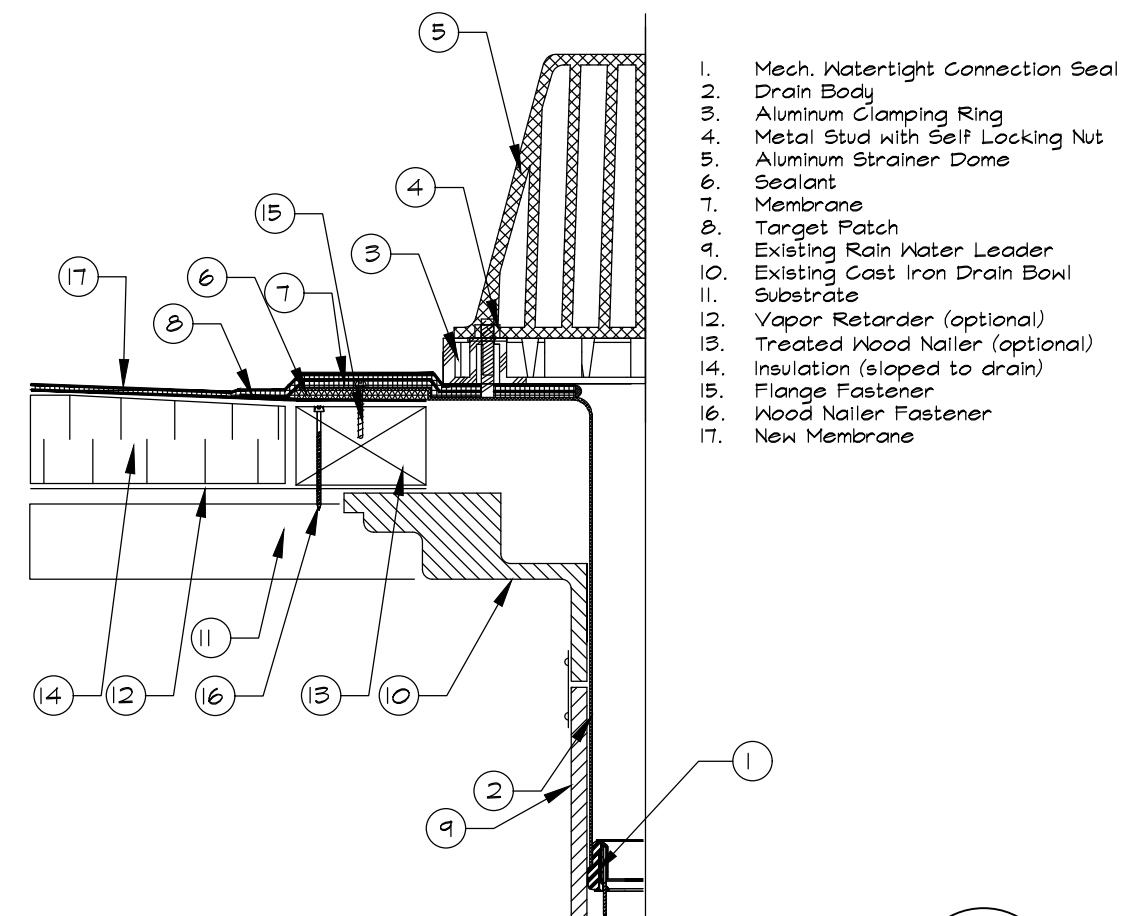
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ROOF PLAN

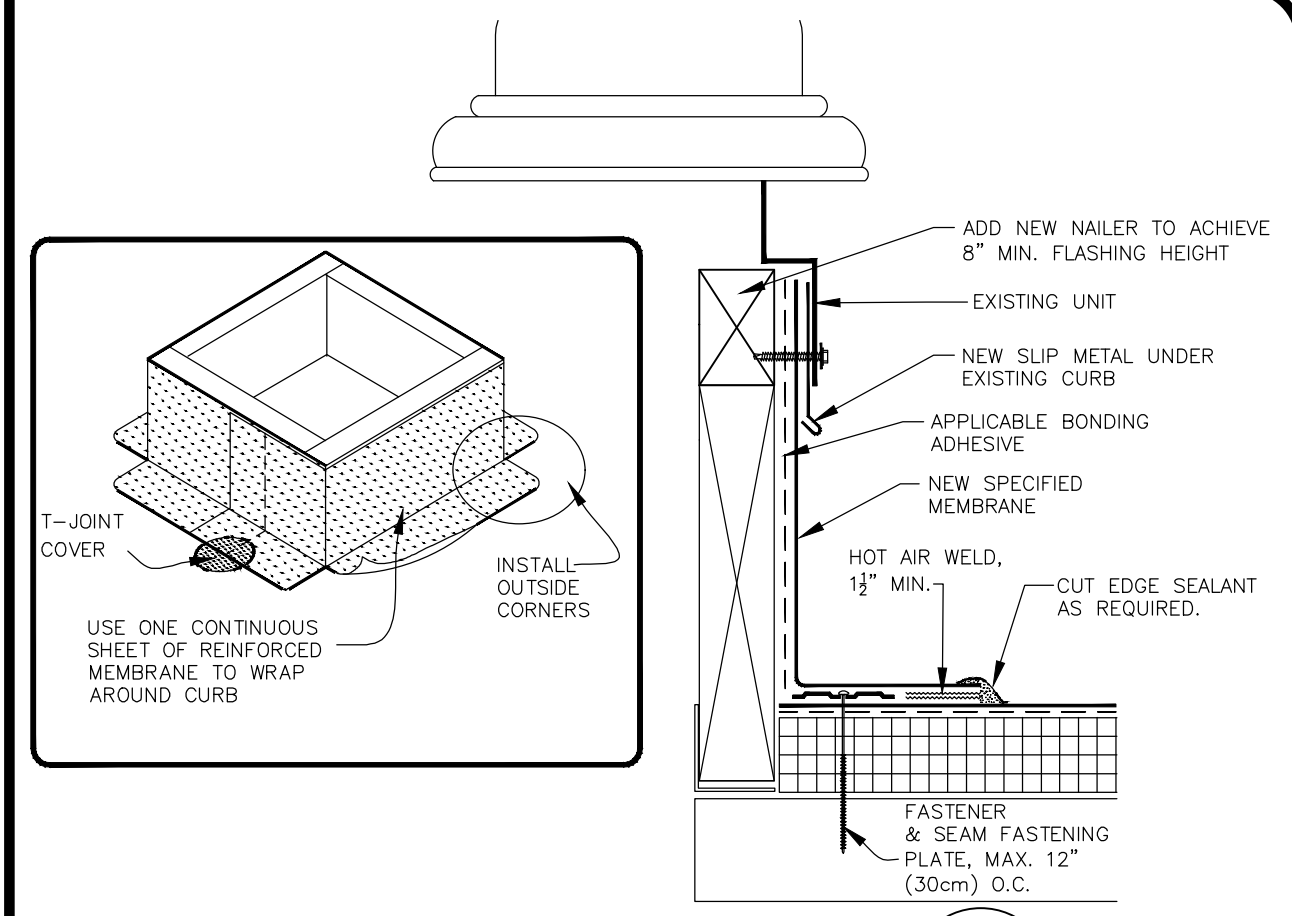
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DATE: 01-10-24
REVISION: -
SCALE: AS NOTED
DRAWING NO:
A2



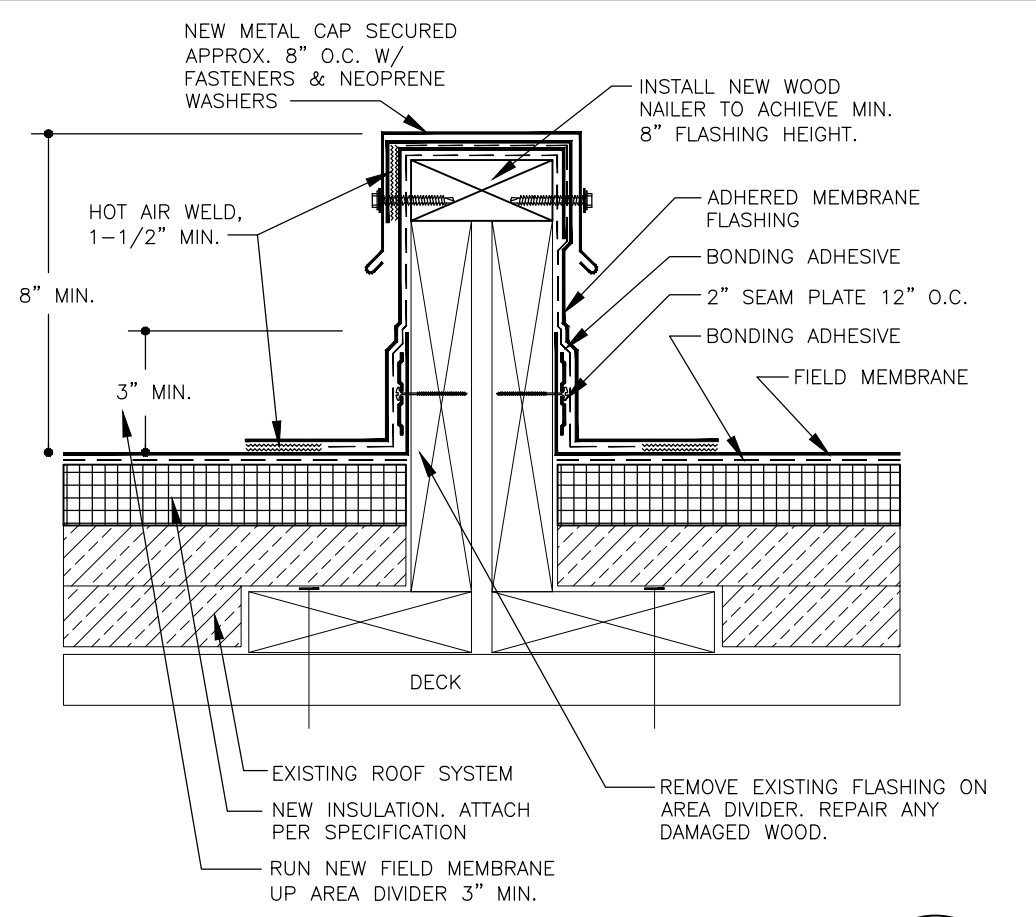
PARAPET DETAIL 1
SCALE: N.T.S. A3



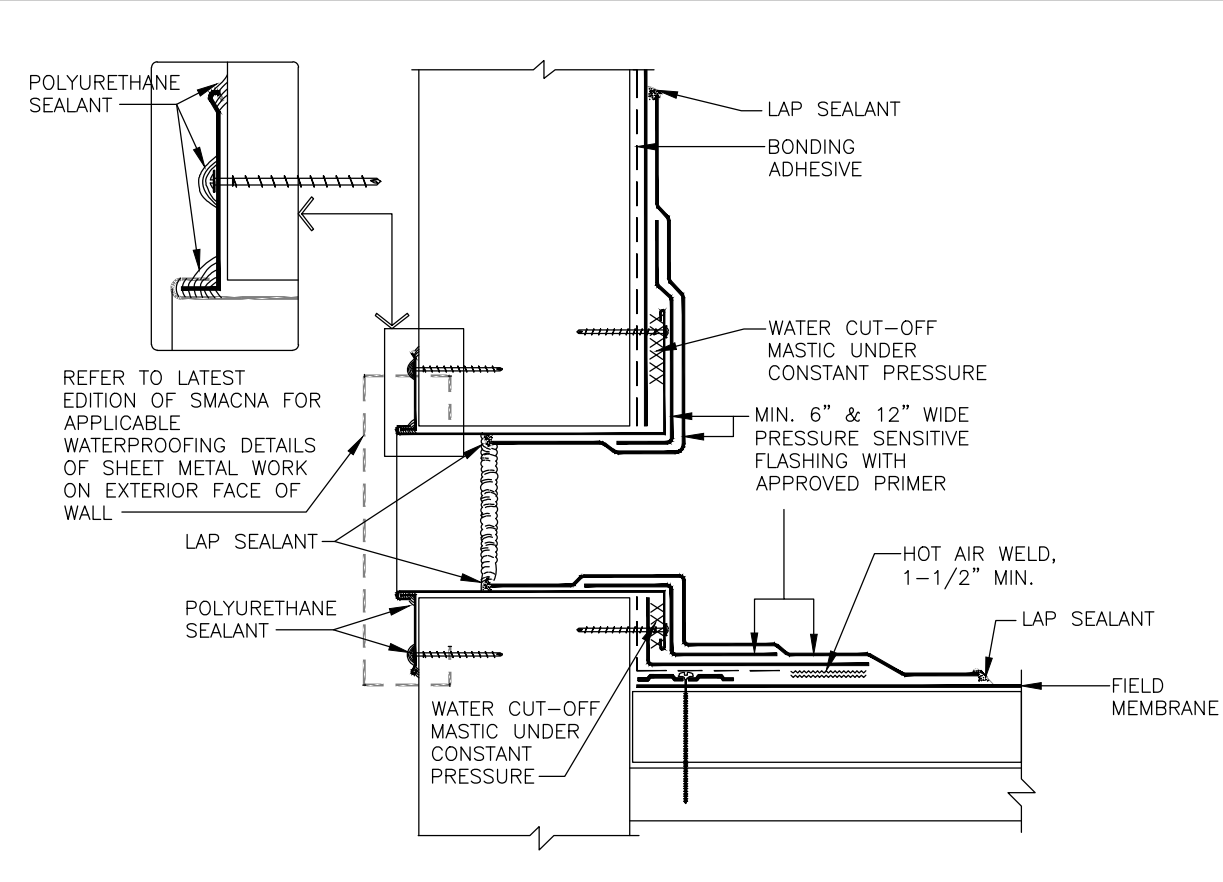
DRAIN INSERT DETAIL 2
SCALE: N.T.S. A3



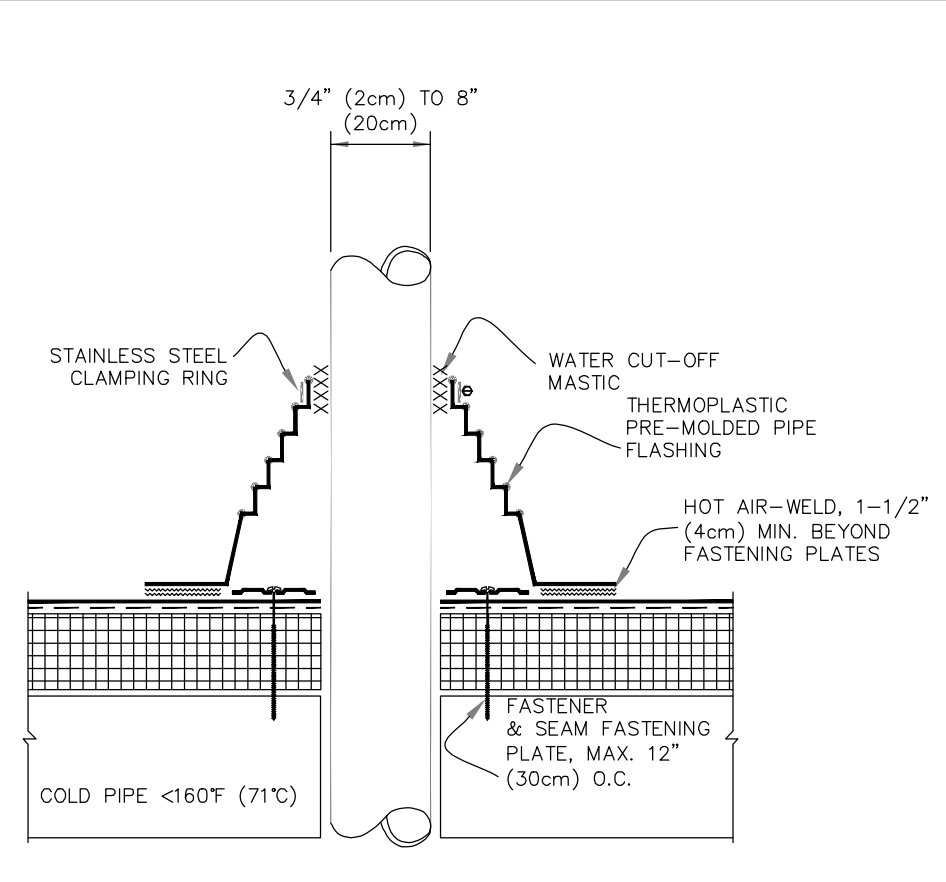
CURB DETAIL 3
SCALE: N.T.S. A3



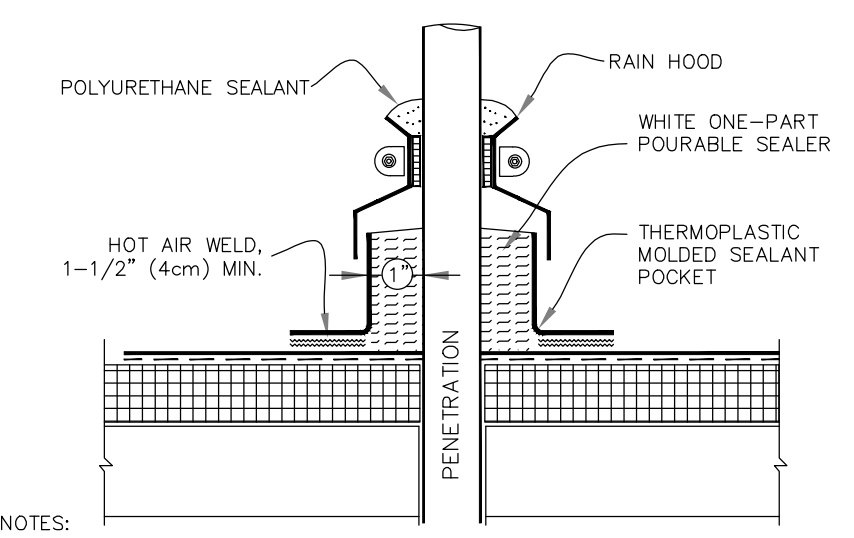
AREA DIVIDER 4
SCALE: N.T.S. A3



SCUPPER DETAIL 9
SCALE: N.T.S. A3

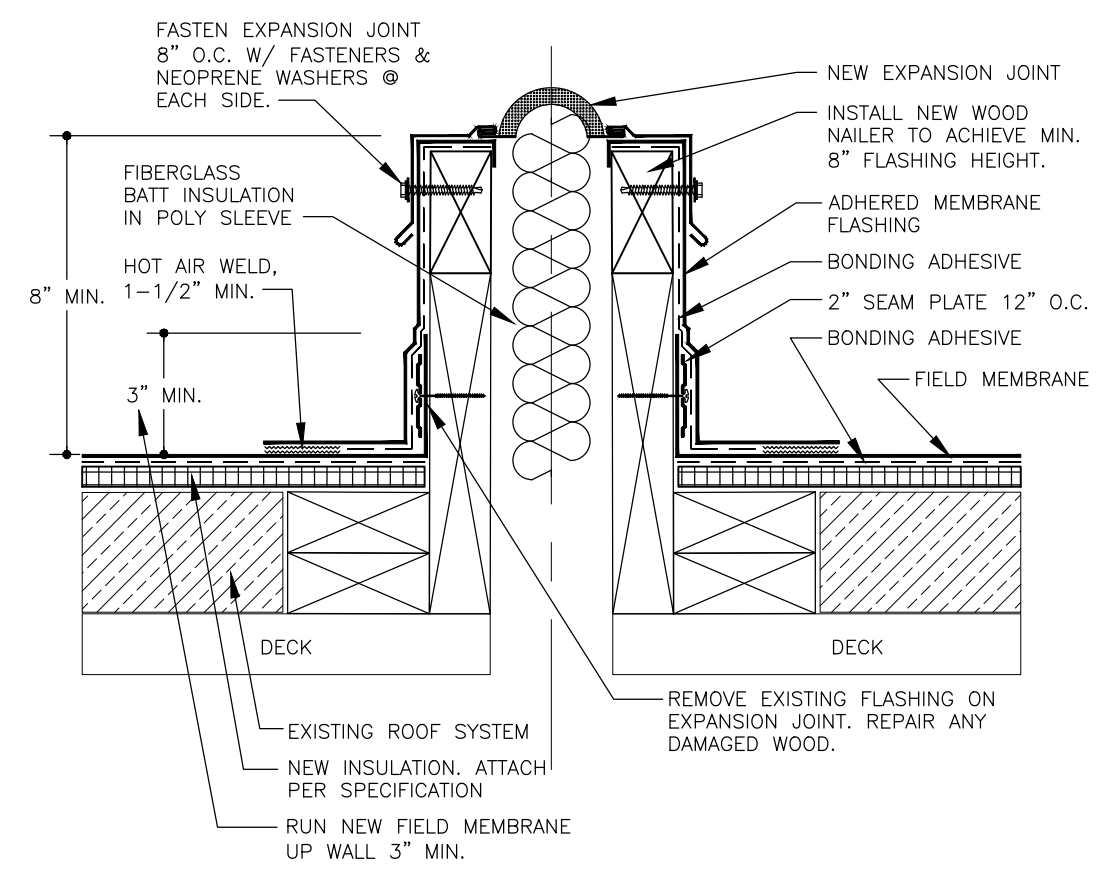


VTR DETAIL 6
SCALE: N.T.S. A3

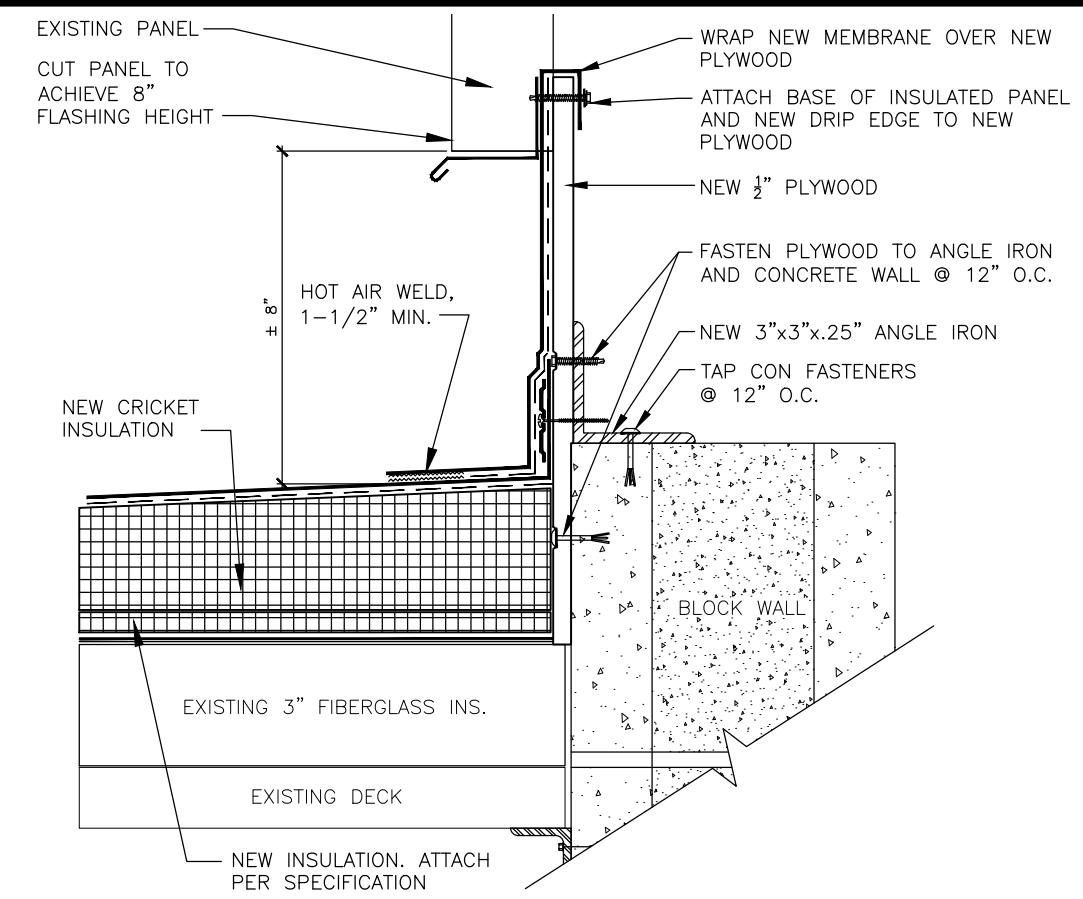


NOTES:
1. TEMPERATURE OF PIPE MUST NOT EXCEED 160° F (71° C).
2. WHEN USING TPO MOLDED SEALANT POCKET, TPO PRIMER MUST BE APPLIED TO ALL INSIDE SURFACES AND PENETRATIONS PRIOR TO FILLING WITH SEALANT. WHEN USING PVC MOLDED SEALANT POCKET, CLEAN THE POCKET WITH PVC CLEANER, APPLY TPO PRIMER TO PENETRATION(S) ONLY.
3. FILL POCKET COMPLETELY WITH WHITE ONE-PART POURABLE SEALER UNTIL RIM IS COVERED WITH SEALANT; ENSURE ALL VOIDS ARE FILLED.

PITCH PAN DETAIL 7
SCALE: N.T.S. A3



EXPANSION JOINT 8
SCALE: N.T.S. A3



PENTHOUSE WALL 9
SCALE: N.T.S. A3

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ROOF PLAN DETAILS

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A3