

# ROOF REPLACEMENT

## BECKEMEYER ELEMENTARY SCHOOL

### HILLSBORO CUSD No. 3

### HILLSBORO, MONTGOMERY COUNTY, ILLINOIS

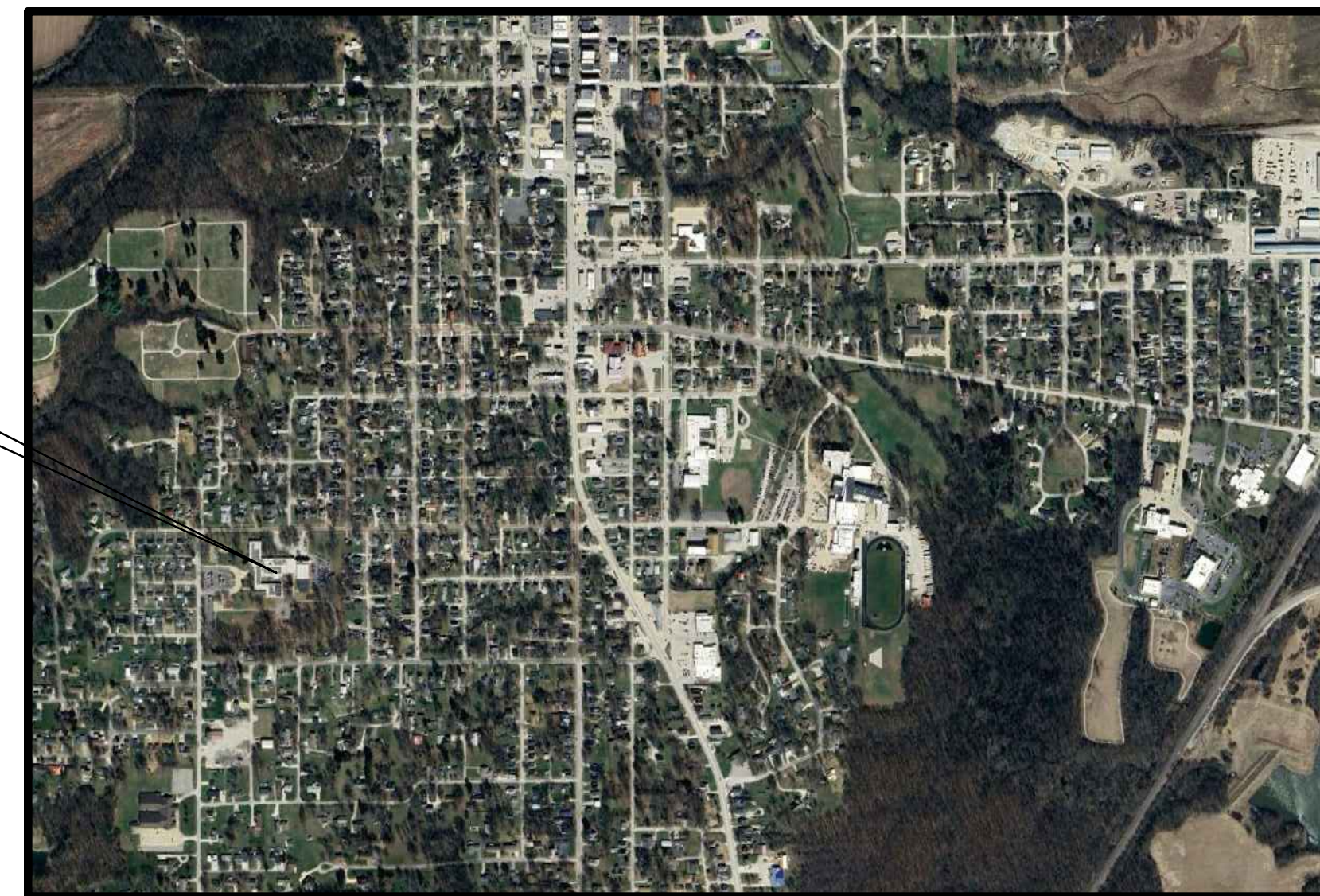
ARCHITECT / ENGINEER :



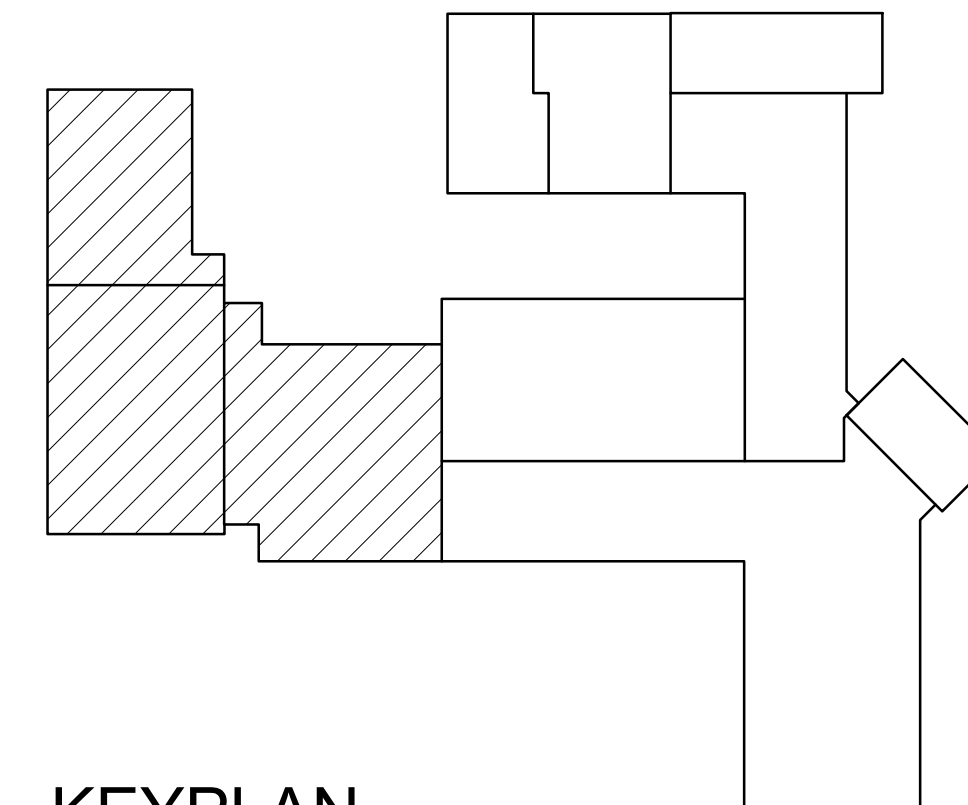
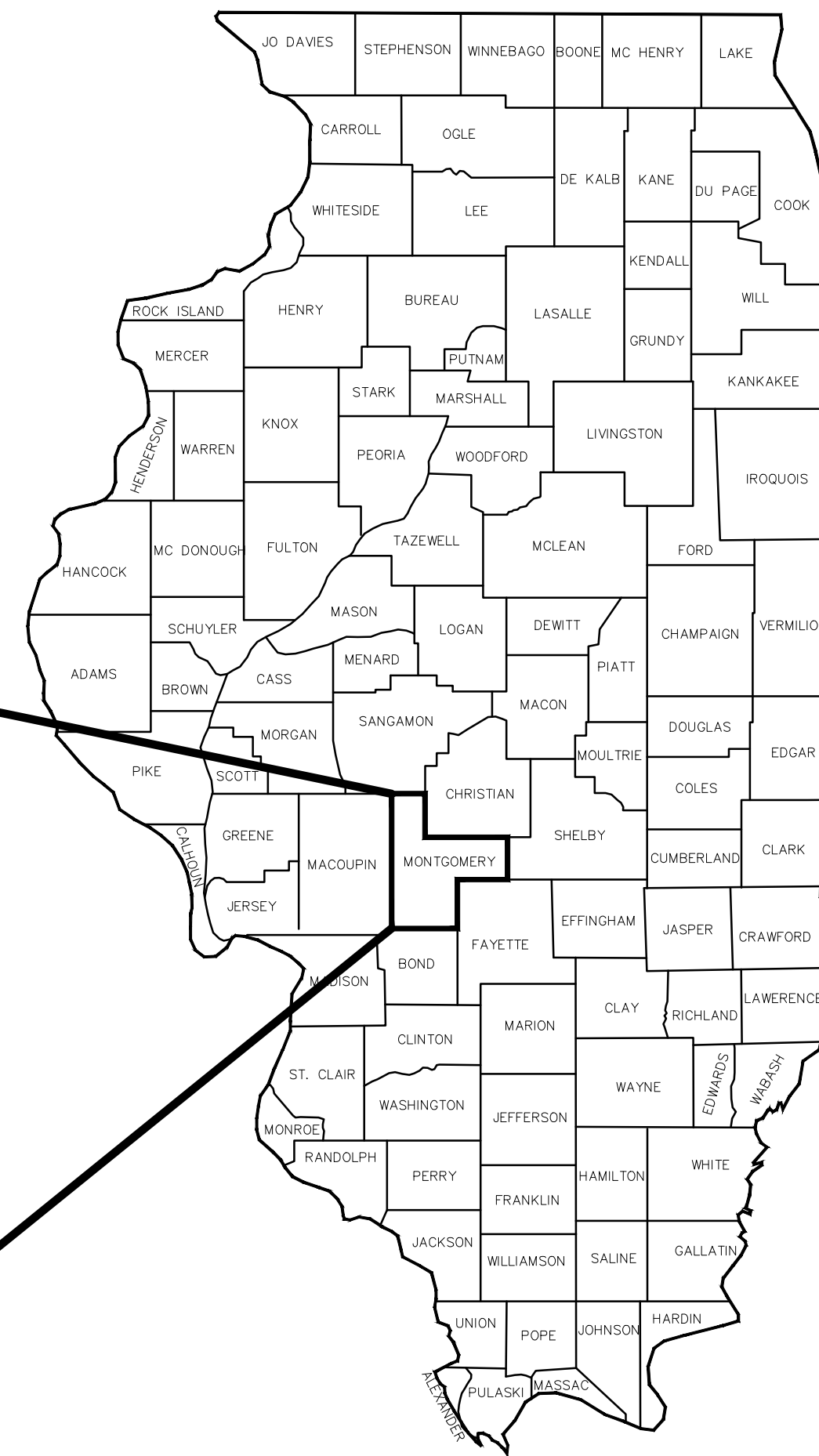
**Hurst-Rosche, Inc.**  
 PROFESSIONAL DESIGN NUMBER: 184-000298  
 1400 E. TREMONT STREET  
 HILLSBORO, IL  
 PH: 217.532.3959  
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 MARION, IL  
 SPRINGFIELD, IL  
 ARNOLD, MO  
 NASHVILLE, TN

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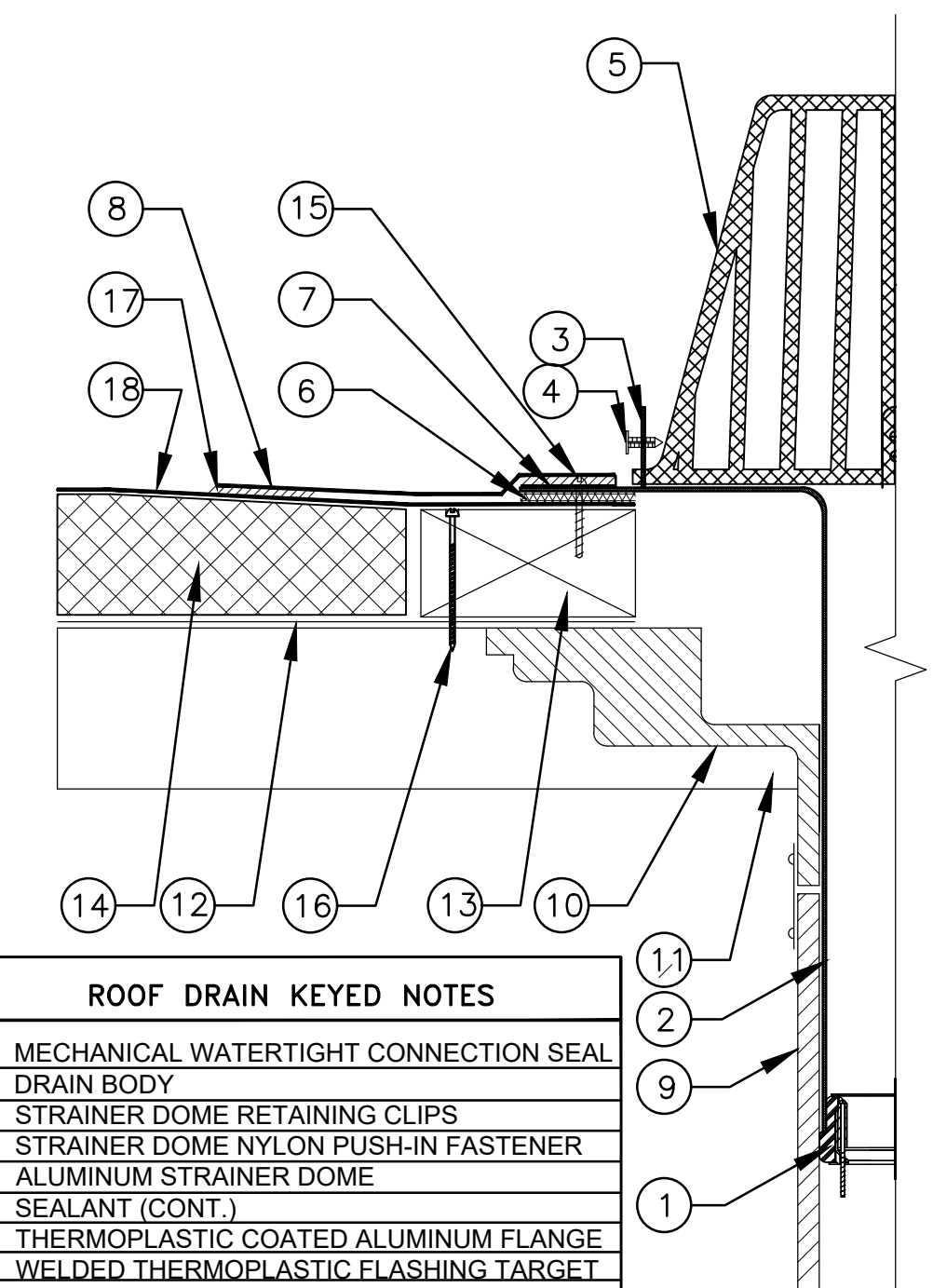
SITE LOCATION



AREA LOCATION MAP



KEYPLAN



ROOF DRAIN KEYED NOTES	
1.	MECHANICAL WATERTIGHT CONNECTION SEAL
2.	DRAIN BODY
3.	STRAINER DOME RETAINING CLIPS
4.	STRAINER DOME NYLON PUSH-IN FASTENER
5.	ALUMINUM STRAINER DOME
6.	SEALANT (CONT.)
7.	THERMOPLASTIC COATED ALUMINUM FLANGE
8.	WELDED THERMOPLASTIC FLASHING TARGET
9.	EXISTING RAIN WATER LEADER
10.	EXISTING CAST IRON DRAIN BOWL
11.	EXISTING SUBSTRATE
12.	AIR & VAPOR BARRIER BASE SHEET
13.	TREATED WOOD NAILER
14.	INSULATION (SLOPED TO DRAIN)
15.	FLANGE FASTENER
16.	WOOD NAILER FASTENER
17.	HOT AIR WELD
18.	FIELD MEMBRANE

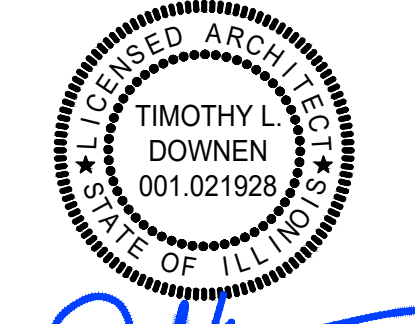
**1**  
 G-101 TYP. RETROFIT ROOF DRAIN  
 SCALE: NONE

DATE: 3-16-2026



Hurst-Rosche, Inc.  
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SIGNATURE

03-16-2026

DATE

11-30-2026

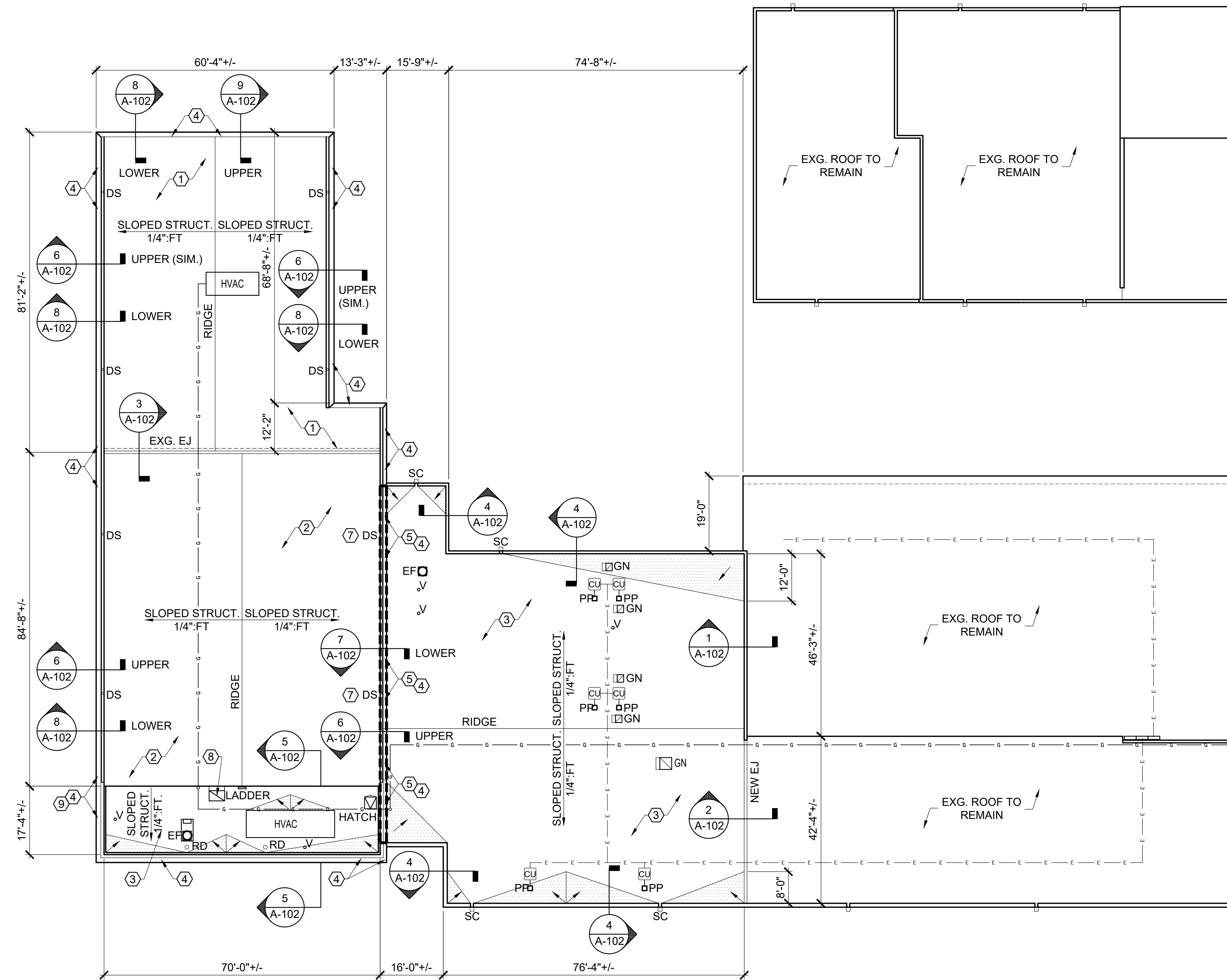
LICENSE EXPIRES

GENERAL NOTES:

1. THE CONDITION OF THE EXG. ROOF ASSEMBLY INCLUDING ROOF COVERING, SUBSTRATE & DECKING IS UNKNOWN & MAY BE DAMAGED OR DETERIORATED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THE BUILDING, OCCUPANTS, & WORKERS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS & COMPLY WITH ALL APPLICABLE REGULATIONS INCLUDING OSHA SAFETY REGULATIONS FOR ROOFING OPERATIONS.
2. ALL EXG. FINISHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL IN MATERIAL & APPEARANCE TO THAT WHICH EXISTED BEFORE CONSTRUCTION.
3. ALL REFUSE & DEBRIS SHALL BE REMOVED FROM THE SITE & LEGALLY DISPOSED OF BY THE CONTRACTOR.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXG. DIMENSIONS & CONDITIONS & MAKE MINOR ADJUSTMENTS AS NECESSARY. DIMENSIONS ON DRAWINGS ARE FOR GENERAL INFORMATION ONLY. PRIOR TO SUBMITTING BID PROPOSAL, THE CONTRACTOR SHALL THOROUGHLY SURVEY THE FACILITY TO VERIFY EXG. CONDITIONS & DIMENSIONS, AND DETERMINE ALL MATERIALS, LABOR, & INCIDENTALS NEEDED FOR COMPLETION OF THE WORK & TO PROVIDE THE SPECIFIED ROOF SYSTEM WARRANTY.
5. DIRECTIONAL ARROWS AS INDICATED ON THE ROOF PLAN ARE INTENDED AS A GENERIC REPRESENTATION OF THE GENERAL DIRECTION OF ROOF SURFACE SLOPE.
6. PROTECT EXG. UTILITIES DURING CONSTRUCTION. FLASH ALL UTILITY, CONDUIT, & PIPING PENETRATIONS IN ACCORD. W/ THE ROOF MANUFACTURER'S PUBLISHED INSTRUCTIONS. FIELD VERIFY SIZE & QUANTITY.
7. MAINTAINING DRAINAGE - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE THE WORK. DAMAGE RESULTING FROM IMPROPER MAINTENANCE OF DRAINAGE SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL NOTIFY OWNER AND A/E PRIOR TO USE OF ANY SCAFFOLDING, LIFTS, SWING STAGES, ETC. USE OF SUCH MATERIALS AND EQUIPMENT SHALL MEET ALL FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS AND ORDINANCES.
9. CONTRACTOR SHALL COORD. ALL WORK WITH OWNER, A/E, & OTHER TRADES THROUGHOUT THE PROJECT.
10. PERFORM WORK IN ACCORDANCE W/ NRCA ROOFING & WATERPROOFING MANUAL, LATEST EDITION.
11. ALL PIPE VENTS SHALL EXTEND A MIN. OF 12" ABOVE THE ROOF SURFACE - EXTEND EXIST. VENTS AS REQ'D.
12. MEMBRANE COATED DRIP EDGE COLOR WILL NOT BE WHITE. SUBMIT SAMPLES OF ALL OF MANUFACTURER'S STANDARD AND SPECIAL COLORS FOR SELECTION BY A/E.

KEYED NOTES: (#)

1. REMOVE & DISPOSE OF EXIST. ROOF SYSTEM INCLUDING EPDM MEMBRANE, (2) TWO LAYERS OF 2" RIGID INSULATION AND ALL RELATED FLASHINGS. EXIST. METAL DECK TO REMAIN. REPLACE SOUND BATT STRIPS IN FLUTES OF EXIST. METAL DECK. PROVIDE AND INSTALL ROOF SYSTEM R1 AS DETAILED ON A-102.
2. REMOVE & DISPOSE OF EXIST. ROOF SYSTEM INCLUDING PIB MEMBRANE, SINGLE LAYER OF 1-1/2" RIGID INSULATION AND ALL RELATED FLASHINGS. EXIST. TECTUM DECK TO REMAIN. PROVIDE AND INSTALL ROOF SYSTEM R2 AS DETAILED ON A-102.
3. REMOVE & DISPOSE OF EXIST. ROOF SYSTEM INCLUDING PIB MEMBRANE, SINGLE LAYER OF 1-1/2" RIGID INSULATION AND ALL RELATED FLASHINGS. EXIST. LIGHTWEIGHT AND METAL DECK TO REMAIN. PROVIDE AND INSTALL ROOF SYSTEM R3 AS DETAILED ON A-102.
4. REMOVE & DISPOSE OF EXIST. ASPHALT SHINGLES, TAR PAPER, SOFFITS AND ALL RELATED FLASHINGS AT EXIST. MANSARD ROOF SECTIONS (APPROX. 22'-0" IN HEIGHT) - EXIST. 3/4" PLYWOOD SHEATHING AND 2X FRAMING TO REMAIN (SEE KEYED NOTE #5). PROVIDE AND INSTALL 30# TAR PAPER, VENTED SOFFITS, ALL FLASHINGS DETAILED AND CORRUGATED THROUGH-FASTENED METAL PANELS (BASE BID) OR STANDING SEAM METAL PANELS (ALTERNATE BID #1).
5. IN ADDITION TO THE DEMOLITION WORK INCLUDED IN KEYED NOTE #4, REMOVE & DISPOSE OF EXIST. HORIZONTAL WOOD FRAMING AND 18" OF VERTICAL WOOD FRAMING AT BOTTOM OF MANSARD STRUCTURE DUE TO THE THICKER NEW ROOF ASSEMBLY. IN ADDITION TO THE NEW WORK INCLUDED IN KEYED NOTE #4, PROVIDE AND INSTALL NEW HORIZONTAL WOOD FRAMING AND BLOCKING AS INDICATED IN DETAIL 7/A-102.
6. NOT USED.
7. ALTER OUTLET OF STRUCTURAL STEEL TUBE DOWNSPOUTS DUE TO NEW THICKER ROOF SYSTEM AT THIS LOCATION. PLACE MEMBRANE WALKPAD BELOW DOWNSPOUT OUTLET.
8. SALVAGE EXIST. ROOF CURB MOUNTED DUCT WORK. EXTEND EXIST. CURB TO ENSURE TOP IS 8" MIN. ABOVE SURFACE OF MEMBRANE, MODIFY AND REINSTALL DUCT WORK.
9. RE-FLASH ROOF OF EXIST. EXTERIOR WALK-IN COOLER / FREEZER INTO NEW MANSARD ROOF SYSTEM.

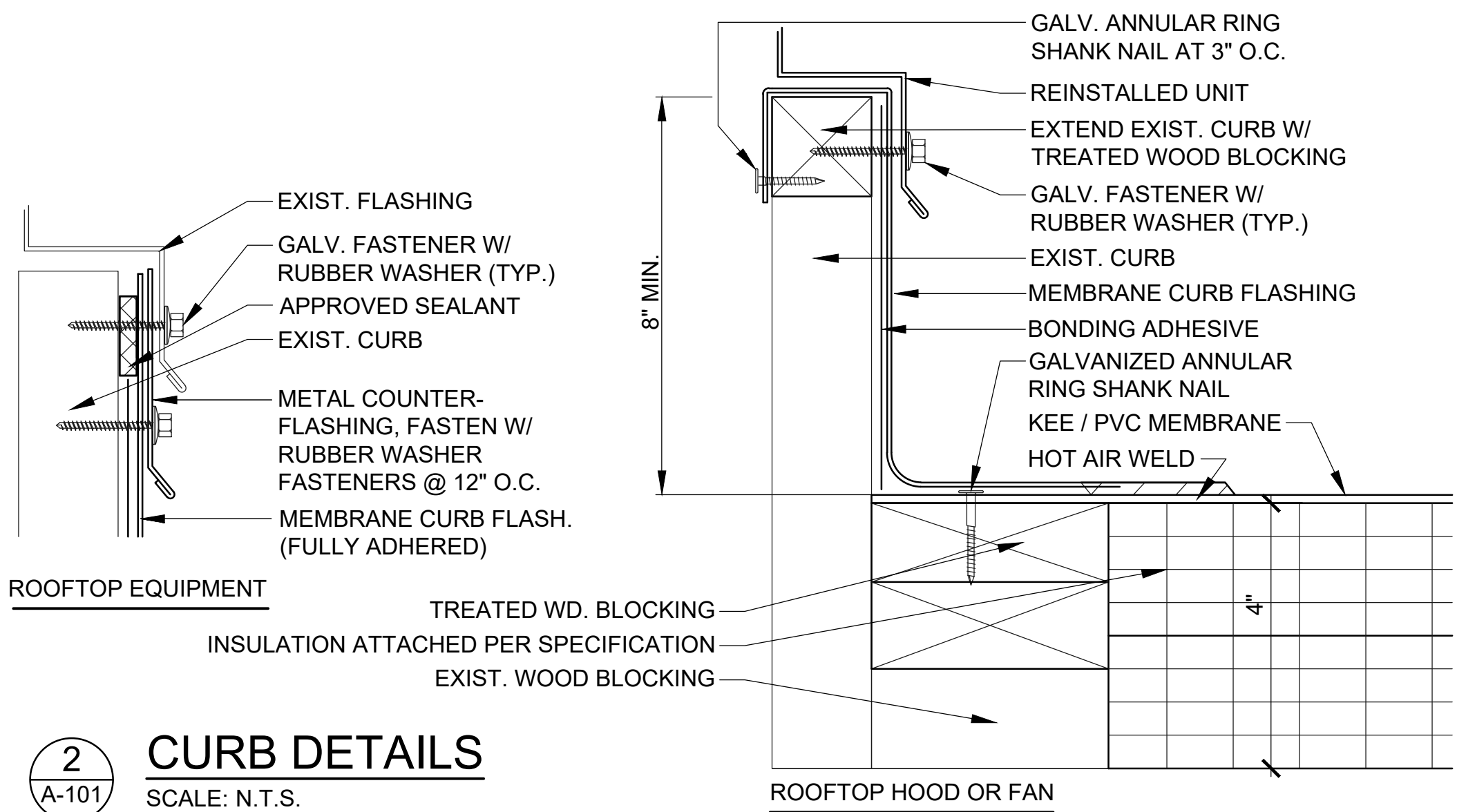


1 ROOF REPLACEMENT PLAN  
SCALE: 1/16" = 1'-0"

LEGEND:

V	EXIST. VENT THRU ROOF. SEE 11 & 12/A-102.
EF	REMOVE EXIST. CURB MOUNTED EXHAUST FAN, EXTEND EXIST. CURB A MIN. OF 2-1/2" TO ENSURE FAN IS 8" MIN. ABOVE SURFACE OF MEMBRANE, REINSTALL EXIST. FAN. SEE 2/A-101.
DS	EXIST. DOWNSPOUT TO REMAIN UNLESS OTHERWISE INDICATED BY KEYED NOTE 7.
GN	REMOVE EXIST. CURB MOUNTED GOOSENECK VENT, EXTEND EXIST. CURB A MIN. OF 2-1/2" TO ENSURE VENT IS 8" MIN. ABOVE SURFACE OF MEMBRANE, REINSTALL GOOSENECK VENT. SEE 2/A-101.
SC	EXIST. SCUPPER, CONDUCTOR HEAD & DOWNSPOUT TO REMAIN. PROVIDE WELDABLE METAL SCUPPER SLEEVE AND DOWNSPOUT & MEMBRANE FLASHING IN ACCORD. W/ THE ROOF MANUFACTURER'S INSTRUCTIONS. SHEET METAL COPING CAP OF ADJACENT PARAPET SHALL TURN DOWN INTO SCUPPER OPENING.
HVAC	EXIST. HVAC UNIT TO REMAIN IN PLACE. PROVIDE & INSTALL SLIP FLASHING AT EXG. CURB. PROVIDE AND INSTALL NEW SLIP-RESISTANT WALK PADS AT PERIMETER OF EQUIP.
CU	EXIST. CONDENSING UNIT. RE-SET UNITS ON NEW RUBBER MEMBRANE SLIP SHEET AND NEW WOOD SLEEPERS SIMILAR TO EXIST. RE-ATTACH ANY ELECTRICAL DISCONNECTS TO NEW WOOD SLEEPERS. PROVIDE AND INSTALL NEW SLIP-RESISTANT WALK PADS AT PERIMETER OF AND UNDER EQUIP.

— g —	EXIST. GAS PIPING TO REMAIN. PREP, PRIME & PAINT ALL PIPING IN AREAS TO RECEIVE NEW ROOFING. COLOR TO BE SAFETY YELLOW. REPLACE EXIST. WOOD PIPE SUPPORTS W/ NEW RUBBER PIPE SUPPORTS (OMG PIPEGUARD SUPPORTS OR APPROVED EQUAL).
— e —	EXIST. ELECTRICAL CONDUIT TO REMAIN. REPLACE EXIST. WOOD PIPE SUPPORTS WITH NEW RUBBER PIPE SUPPORTS (OMG PIPEGUARD SUPPORTS OR APPROVED EQUAL).
LADDER	EXIST. ROOF ACCESS LADDER - PROVIDE AND INSTALL NEW SLIP-RESISTANT WALK PADS AT TOP AND BOTTOM OF LADDER.
RD	EXIST. ROOF DRAIN TO RECEIVE RETRO-FIT ROOF DRAIN. SEE DETAIL 1/G-101.
PP	REMOVE EXIST. PIPE PORTAL, EXTEND EXIST. CURB A MIN. OF 2-1/2" TO ENSURE PORTAL IS 8" MIN. ABOVE SURFACE OF MEMBRANE. PROVIDE AND INSTALL NEW PIPE PORTAL AND ADJUST LINE SETS AS NECESSARY.
HATCH	REMOVE EXIST. ROOF HATCH, EXTEND EXIST. CURB A MIN. OF 2-1/2" TO ENSURE HATCH IS 8" MIN. ABOVE SURFACE OF MEMBRANE, REINSTALL EXIST. ROOF HATCH. SEE 2/A-101. PROVIDE AND INSTALL NEW SLIP-RESISTANT WALK PADS AT ACCESS SIDE OF HATCH.
	PROVIDE & INSTALL 1/4"-12" TAPERED INSULATION AT ALL CRICKET AND SADDLE LOCATIONS AT ALL LOCATIONS INDICATED ON ROOF PLAN AND AS REQUIRED BY FIELD CONDITIONS TO PROVIDE POSITIVE SLOPE TO DRAINS AND SCUPPERS. CONSTRUCT TAPERED INSUL. SUMP AT ROOF DRAINS IN ACCORD. W/ MANUFACTURER'S PUBLISHED INSTRUCTIONS.



2 CURB DETAILS  
SCALE: N.T.S.

ROOF REPLACEMENT  
BECKEMEYER ELEMENTARY SCHOOL  
HILLSBORO CUSD NO. 3  
HILLSBORO, MONTGOMERY COUNTY, IL, 62049

MK.	DATE	DESCRIPTION

DATE: 03-16-2026  
PROJECT NO: 150-1375  
DESIGN: TLD DRAWN: BJV CHECK: TLD

ROOF PLAN

A-101

