

- 1) INSTALLATION OF A NEW MEMBRANE ROOF SYSTEM FOR THE ENTIRE STRUCTURE
- 2) RENOVATION OF EXISTING ROOFING SYSTEM.
- 3) DEMOLITION OF EXISTING ABANDONED MECHANICAL/ ELECTRICAL ITEMS.
- 4) REMOVAL OF EXISTING SKY LIGHTS.
- 5) REMOVAL OF EXISTING PRECAST WALL CAP AND REPLACEMENT WITH METAL CAP.
- 6) STRUCTURAL DECKING INFILL OF REMOVED ITEMS.
- 7) MISCELLANEOUS WORK AS INDICATED ON PLANS TO PROVIDE A COMPLETE INSTALLATION.

DRAWING LIST

C-0.0 PROJECT COVER SHEET
A-1.1 ROOF PLAN
A-1.2 ROOF DETAILS
A-1.3 ROOF DETAILS
A-1.4 ROOF NOTES + DETAILS
ME-1.0 ROOF MECHANICAL/ELECTRICAL
DEMO PLAN

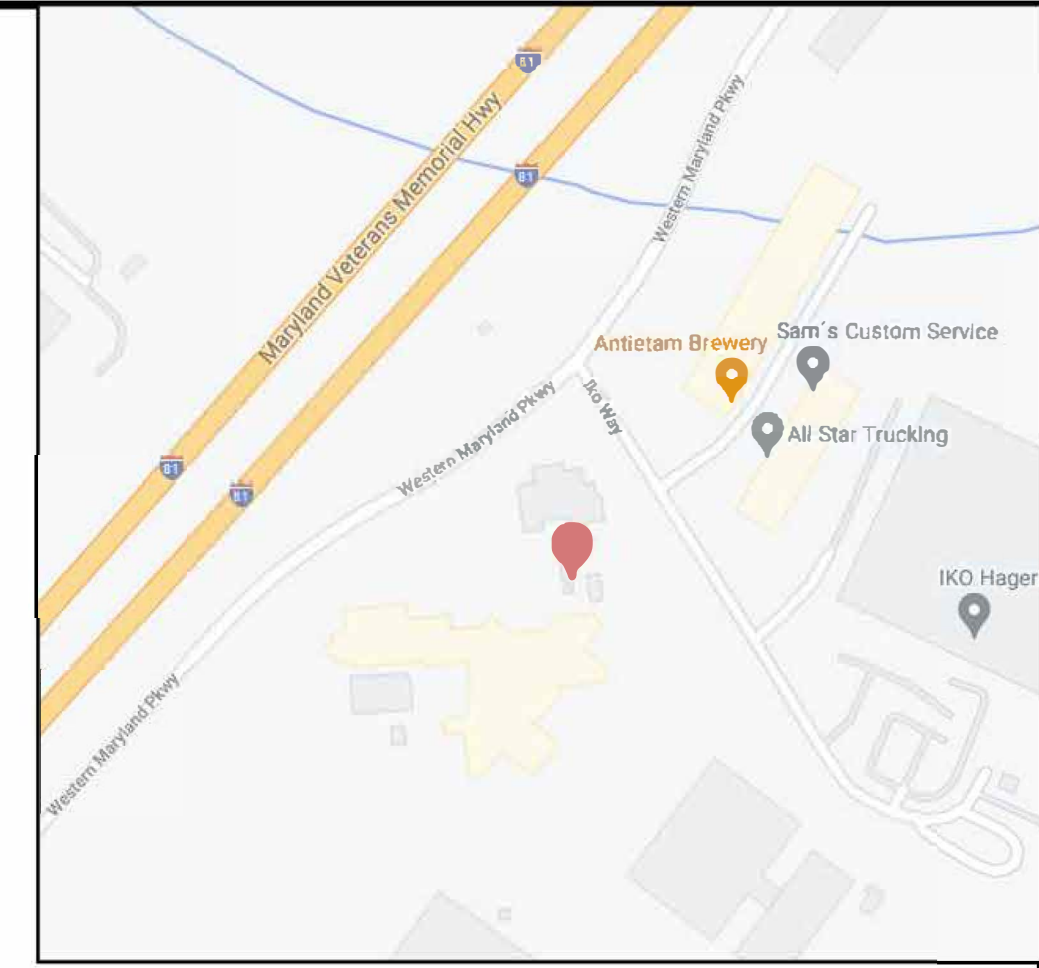
WASHINGTON COUNTY MARYLAND
BOARD OF COUNTY COMMISSIONERS
145 IKO WAY, ROOF REPLACEMENT
PROJECT #PUR-1557



BOARD OF COUNTY COMMISSIONERS:

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VICINITY MAP

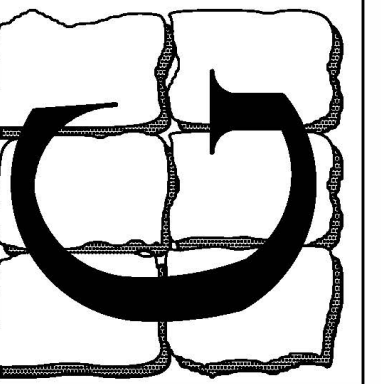
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L.S. GRIM CONSULTING ENGINEERS
PRIME CONSULTANT AND DESIGNER OF
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BFM ARCHITECTS
ARCHITECTURAL CONSULTANT

MATONAK AND ASSOCIATES
STRUCTURAL CONSULTANT

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145 KO WAY
HAGERSTOWN MD, 21740
ROOF REPLACEMENT
PROJECT COVER SHEET

Professional Certification

I certify that these documents
were prepared or approved by
me, and that I am a duly
licensed engineer under the
laws of the State of Maryland
License Number: 14401
Expiration Date: 4/21/2023

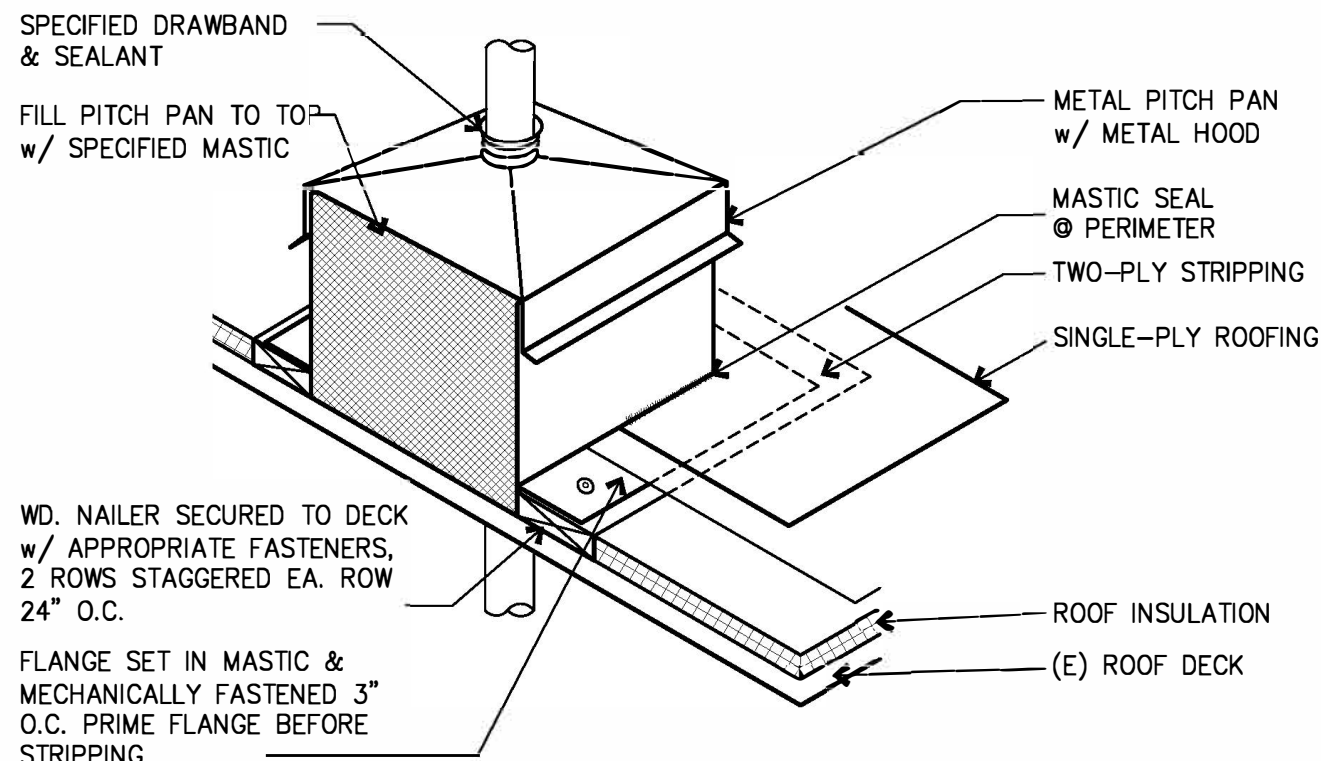
LESLIE SCOTT GRIM, P.E.
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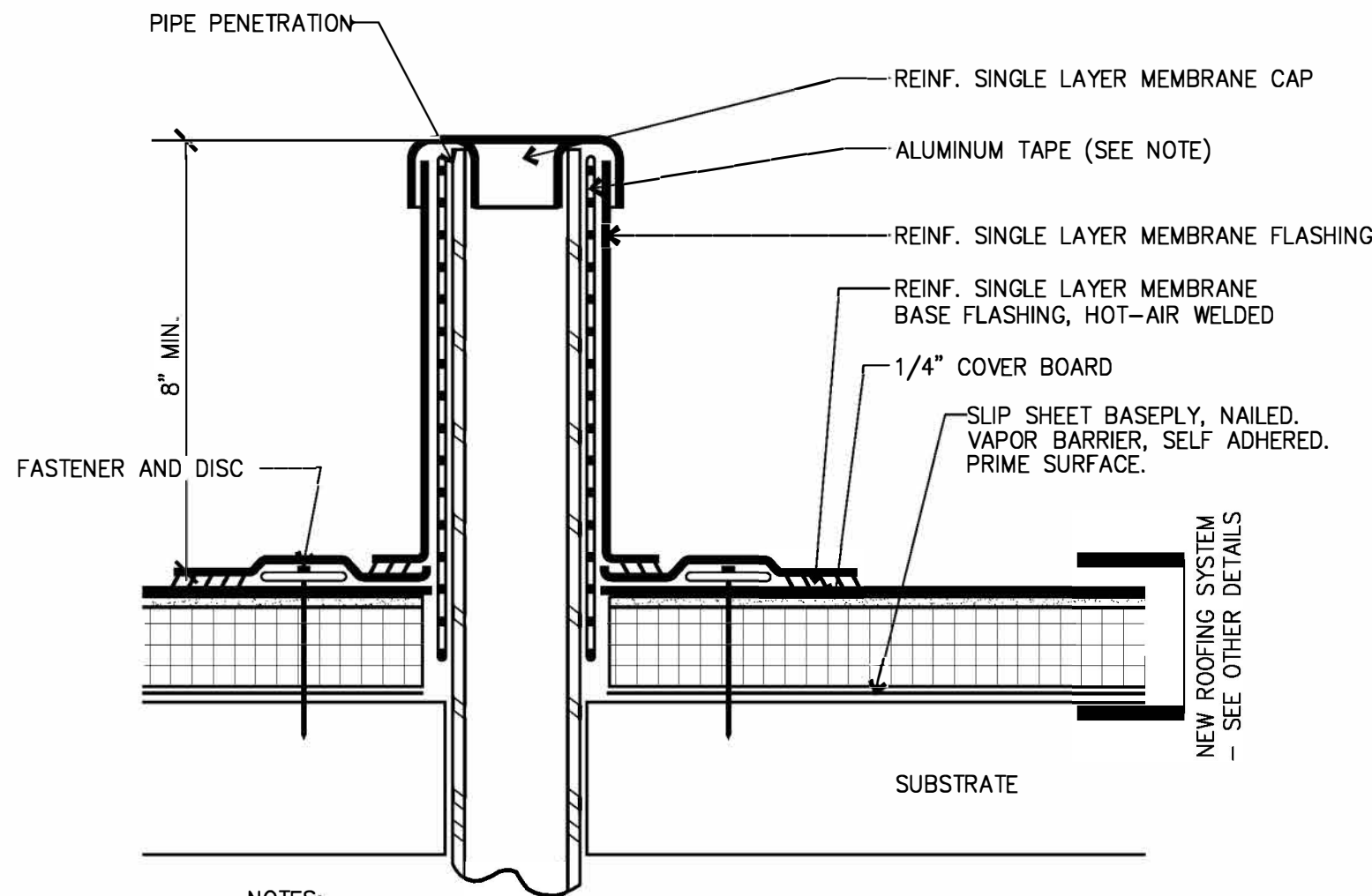
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1 OF 6 SHEETS
DATE: JUNE 14, 2022

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JUNE 14, 2022

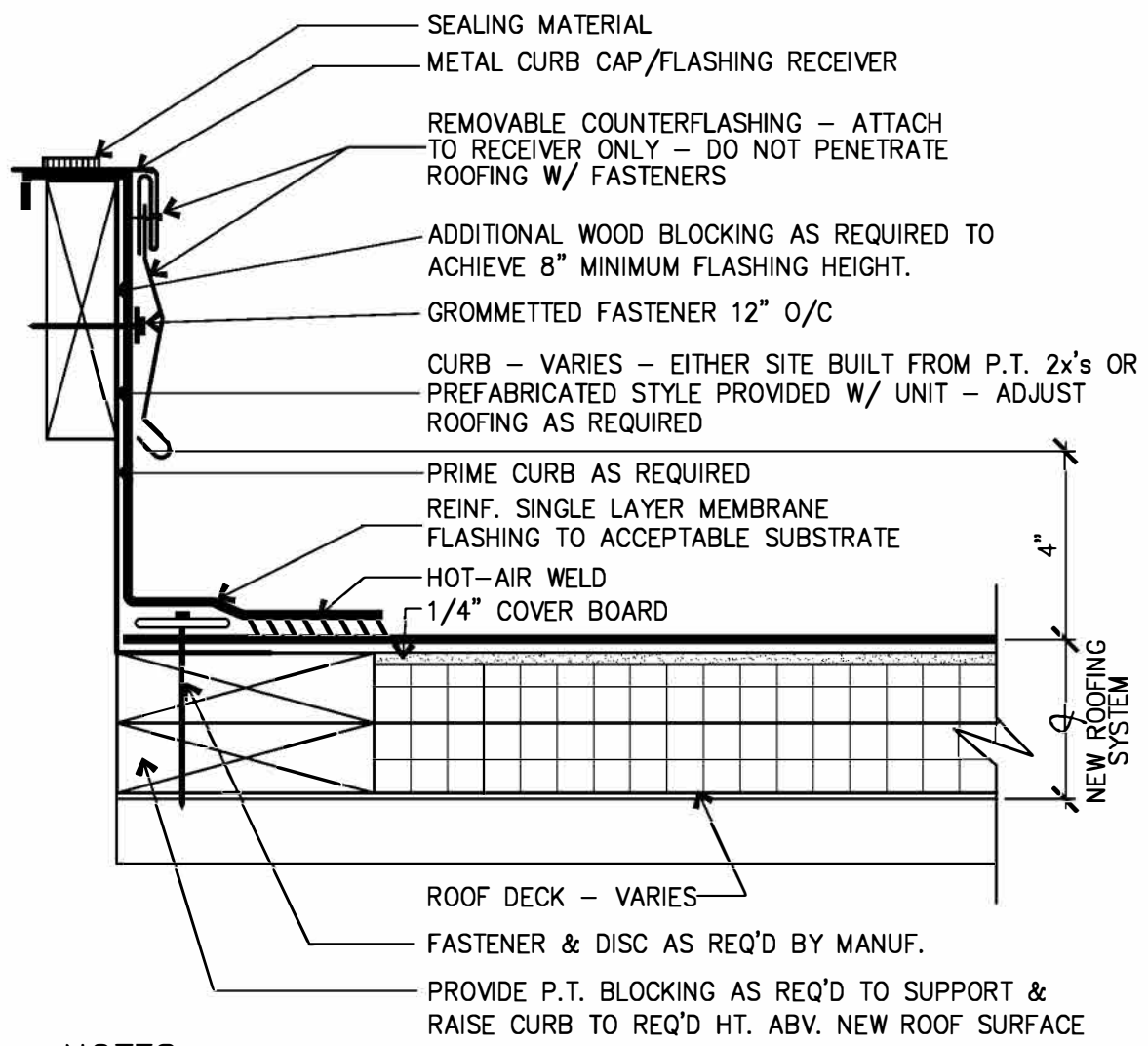


26 PITCH POCKET w/ GROUT
3" = 1'-0"



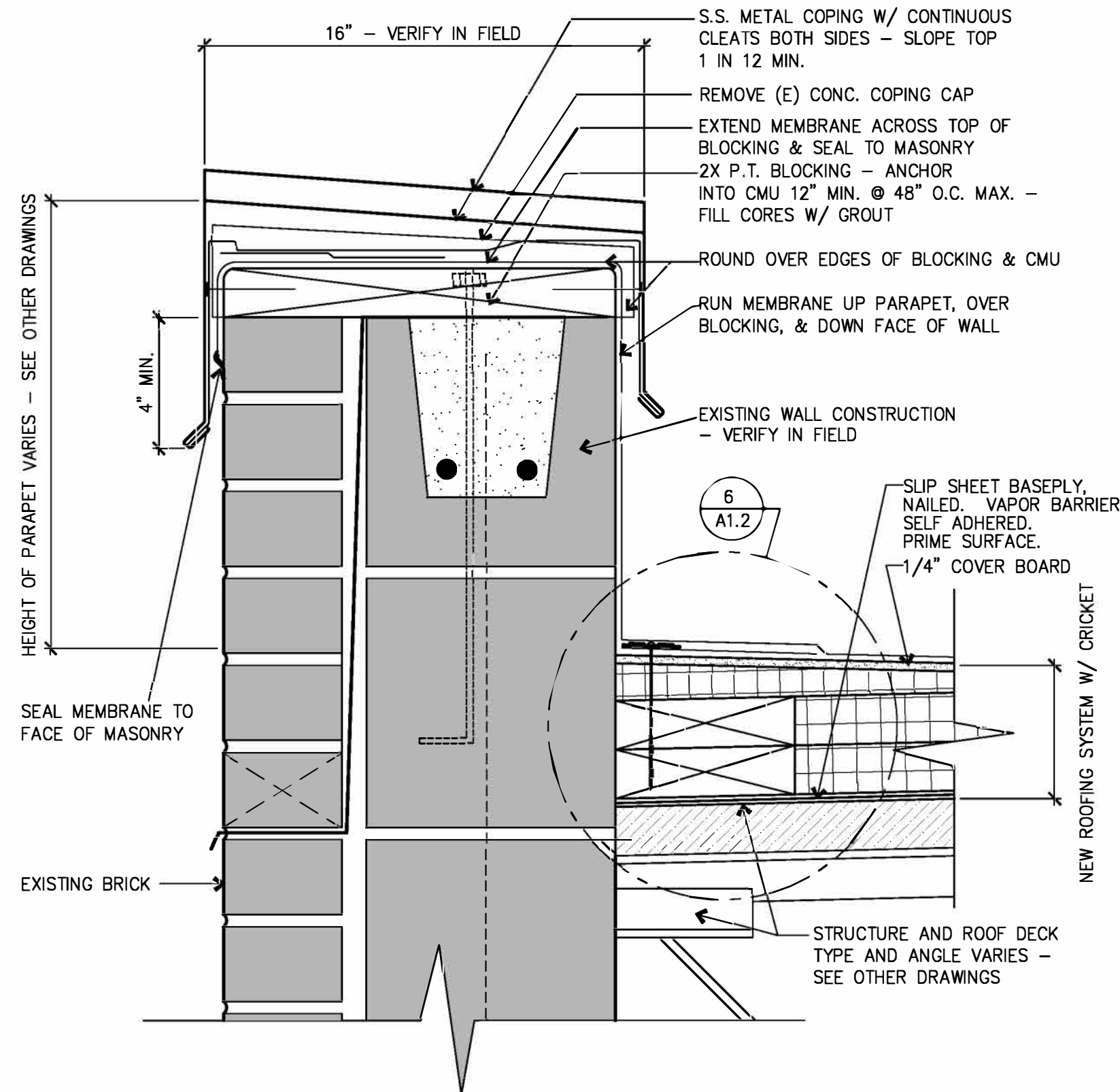
NOTES:
1. ALUMINUM TAPE IS REQUIRED IF PENETRATION IS CONTAMINATED.

23 VENT STACK FLASHING
NO SCALE

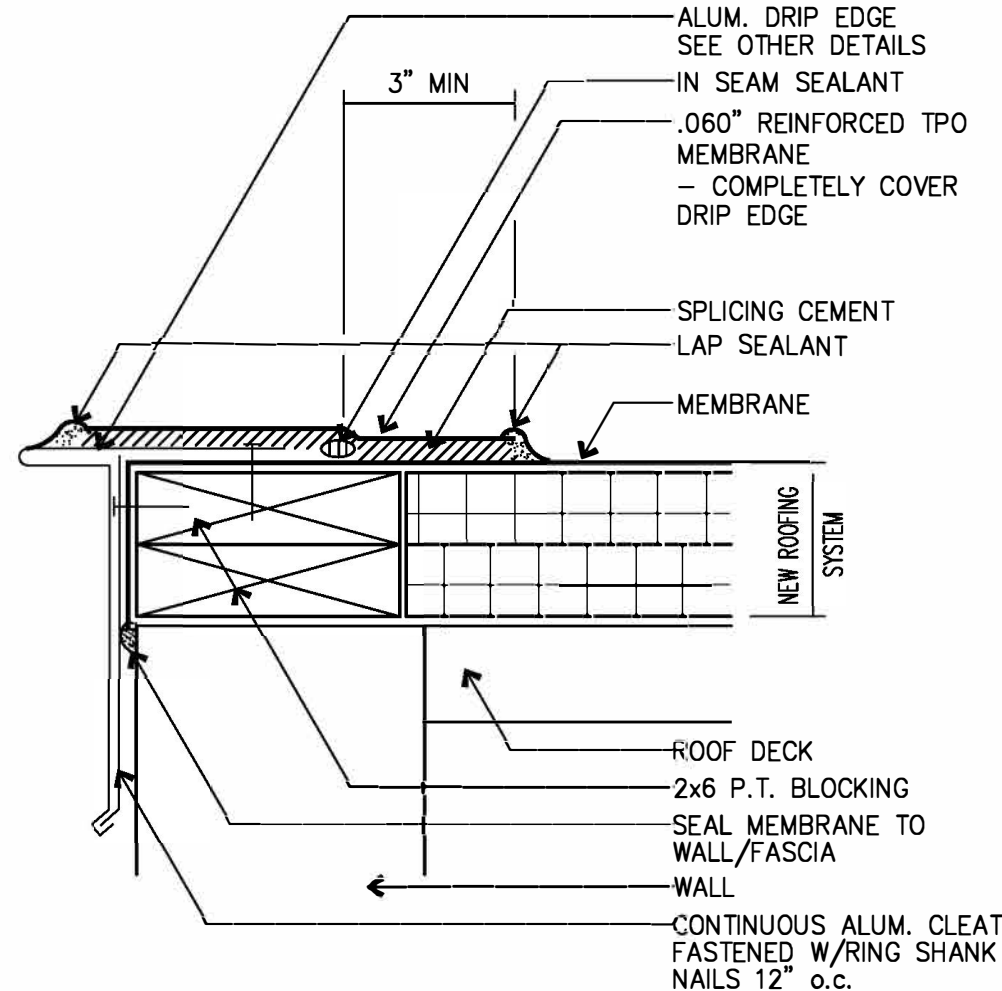


NOTES:
1. MAKE ALL LINE, PIPE, DUCT, & CONDUIT PENETRATIONS INSIDE THE CURB (INCLUDING CONDUITS FOR CONVENIENCE OUTLETS).
2. THIS DETAIL SHOWS THE CURB RESTING ON THE BLOCKING.

22 FLASHING AT CURBS
3" = 1'-0"

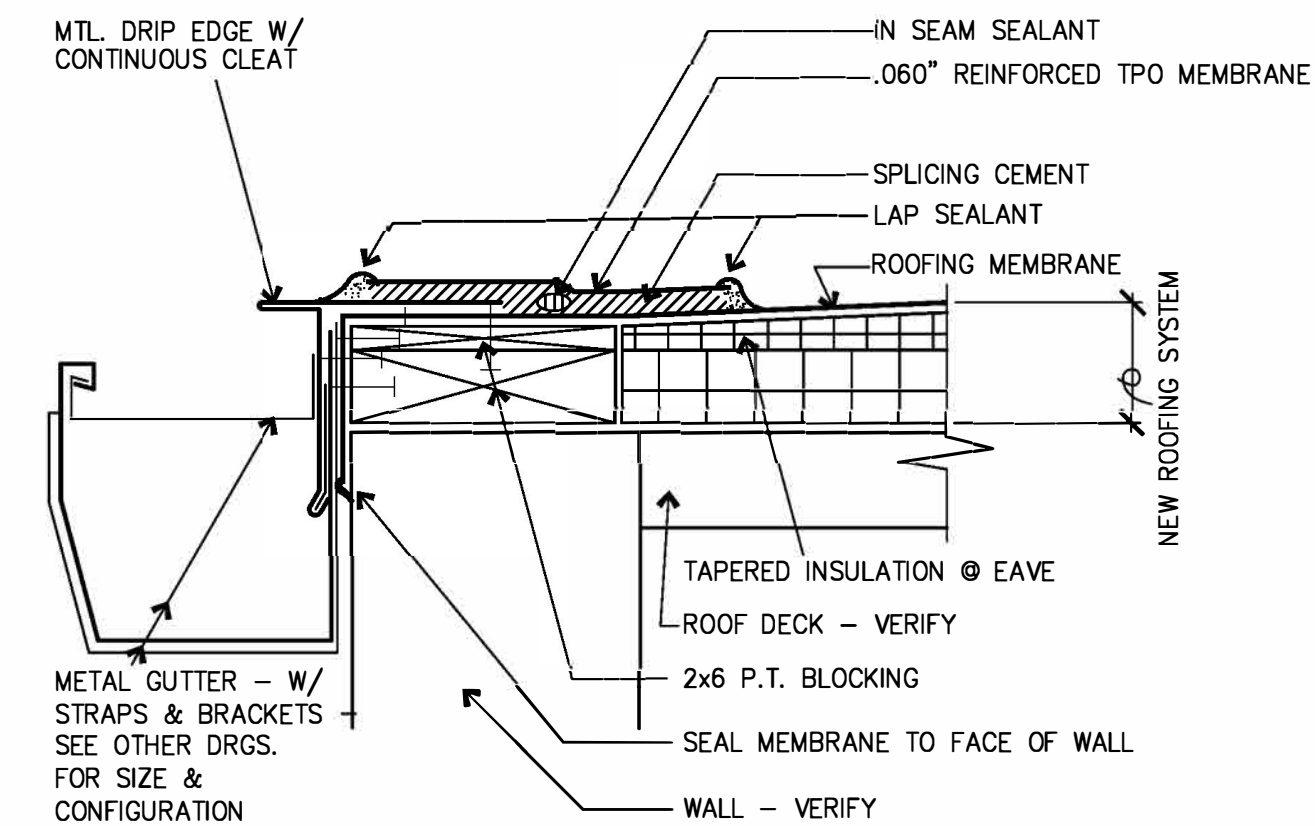


D PARAPET DETAIL SECTION
3" = 1'-0"



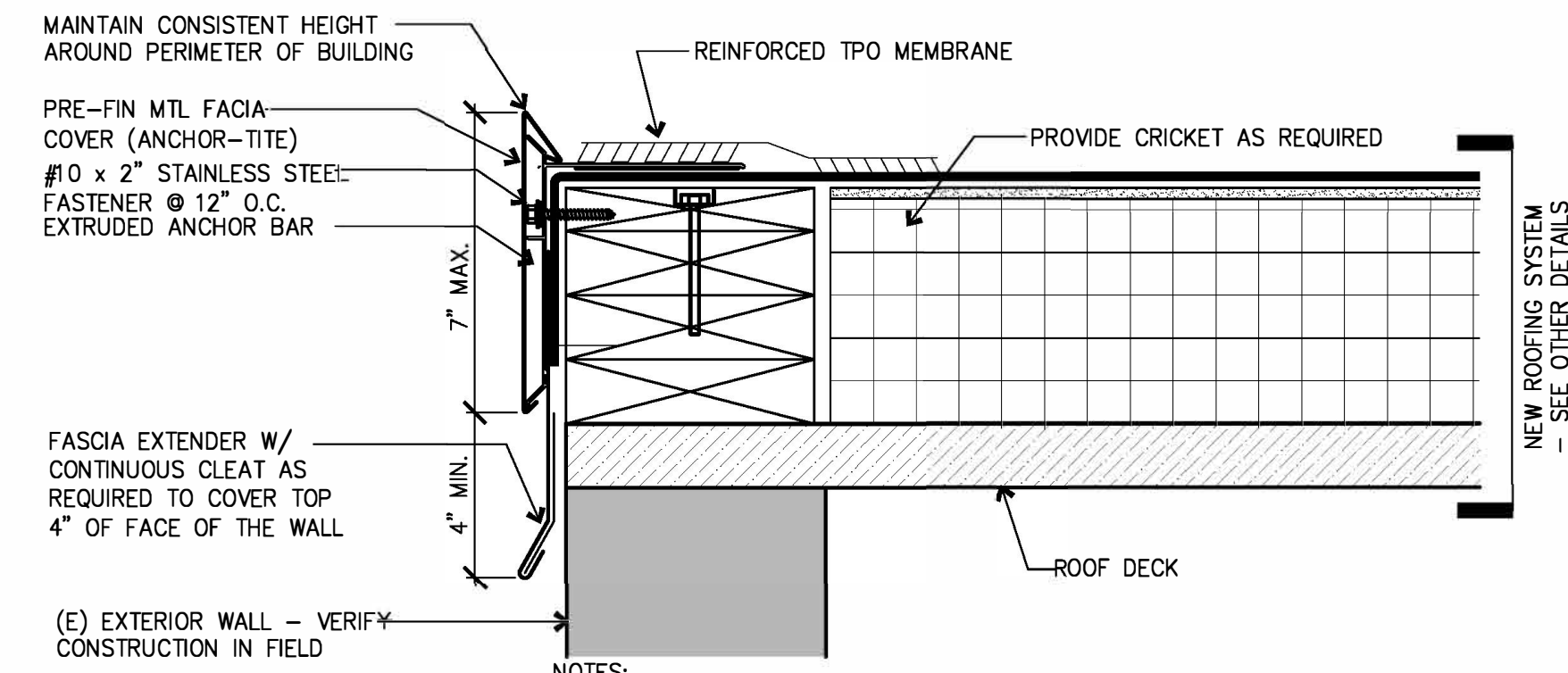
NOTE: REMOVE EXISTING ROOFING & METAL ROOF EDGE.

C MTL DRIP EDGE
3" = 1'-0"



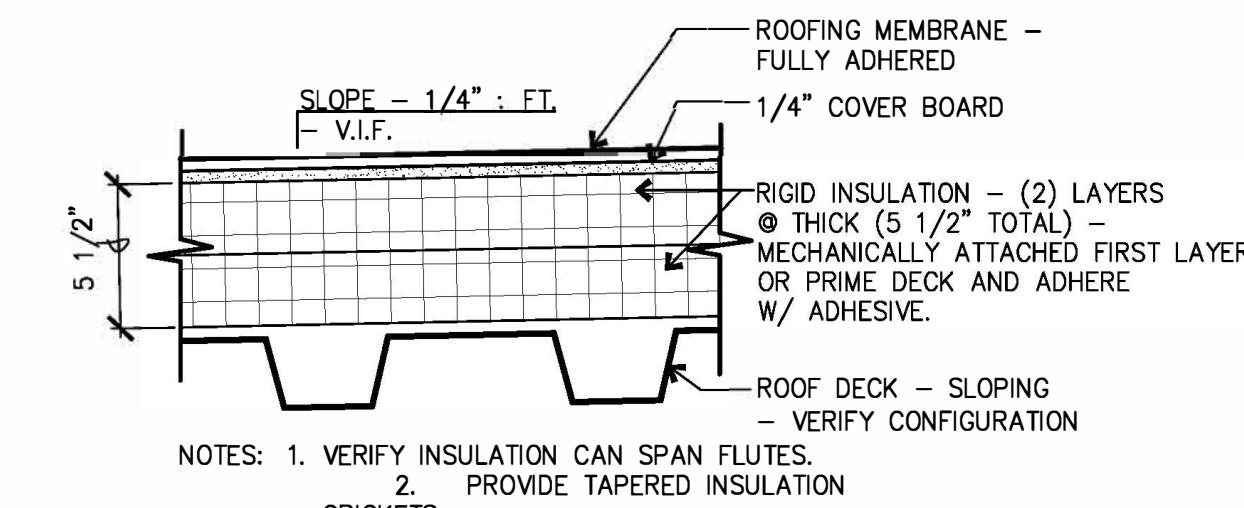
NOTES:
1. REMOVE EXISTING ROOFING & METAL ROOF EDGE WHERE PRESENT.
2. ROOF MAY SLOPE OR NOT. MODIFY DETAIL AS REQUIRED.
3. PROVIDE 2 FT. OF TAPERED INSULATION (1/2" PER FT.) @ THE EAVE TO INCREASE THE SLOPE (GREATER THAN 1/2 IN. PER FT.) & TO PROVIDE BETTER DRAINAGE TO THE GUTTER. REDUCE BASE INSULATION THICKNESS AS REQUIRED @ EAVE.

B MTL DRIP EDGE w/ GUTTER
3" = 1'-0"



NOTES:
1. NAILERS SHALL BE SECURELY ANCHORED TO THE DECK TO RESIST A MINIMUM FORCE OF 200 POUNDS PER LINEAR FOOT. FOLLOW FACTORY MUTUAL LOSS

A MTL. GRAVEL STOP ROOF EDGE TYPE 'A'
N.T.S.



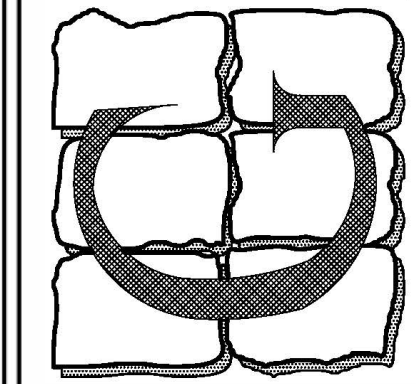
NOTES:
1. VERIFY INSULATION CAN SPAN FLUTES.
2. PROVIDE TAPERED INSULATION

1 MEMBRANE ROOF - SLOPED DECK
3" = 1'-0"
3" = 1'-0"
SCALE
FEET



21-035

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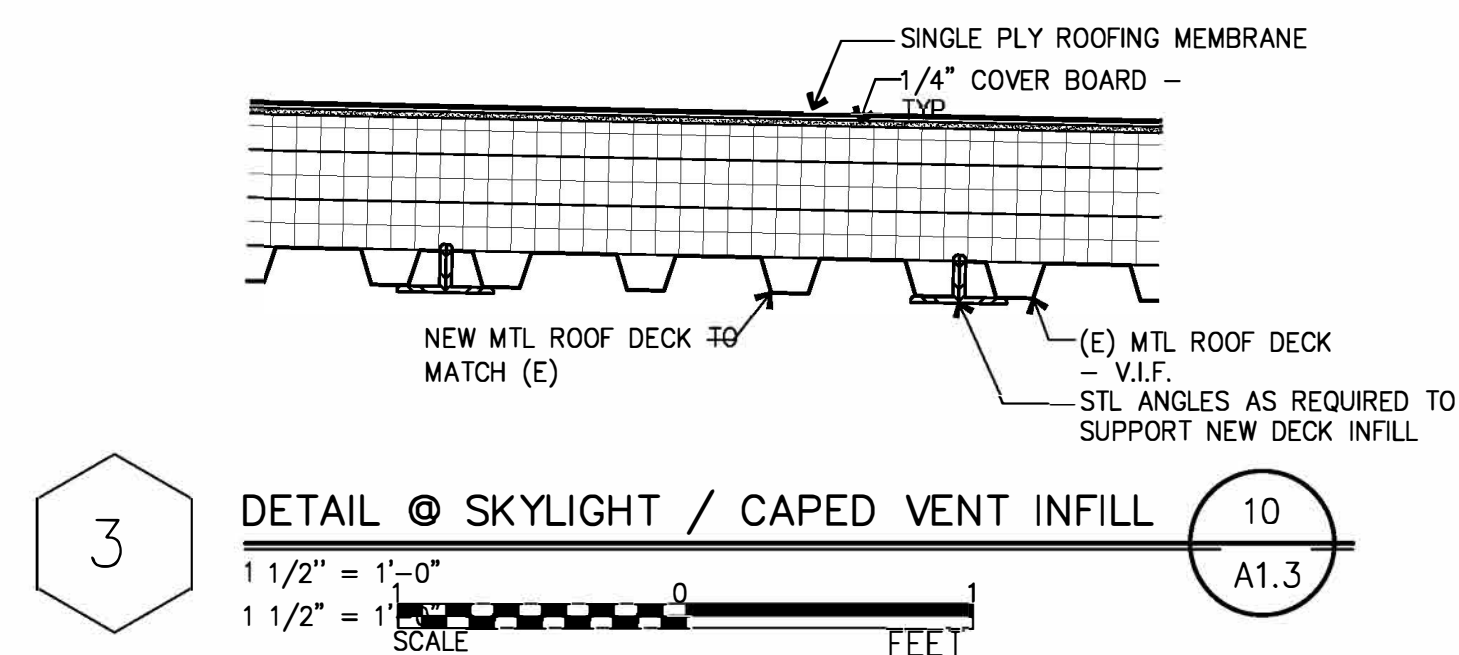
145 KO WAY
HAGERSTOWN MD, 21740
ROOF REPLACEMENT
ROOF DETAILS

Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number: 14401
Expiration Date: 4/30/2028

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REV.	DATE	COMMENT
1	6-14-22	BID SET

DRAWN BY: CMJ
A-1.2
3 OF 6 SHEETS
DATE: JUNE 14, 2022



NOTES APPLY TO ALL ROOF PLANS & TO OTHER DRAWINGS AS NOTED.

ROOFING DEMO NOTES –

- A. REMOVE (E) ROOFING MEMBRANE & INSULATION DOWN TO (E) DECK.
- B. INSPECT (E) DECK – REPLACE ANY & ALL DAMAGED SECTIONS; PATCH & REPAIR AT UNUSED OPENINGS & REPAIR VAPOR BARRIER.
- C. PROTECT ALL (E) EQUIPMENT & FINISHES TO REMAIN.
- D. PROTECT ALL BUILDING EXITS & PATHWAYS BELOW FROM CONSTRUCTION DEBRIS DURING WORK.
- E. REMOVE ALL WASTE DAILY FROM SITE OR PLACE INTO OWNER APPROVED CONTAINERS.

ROOFING NOTES –

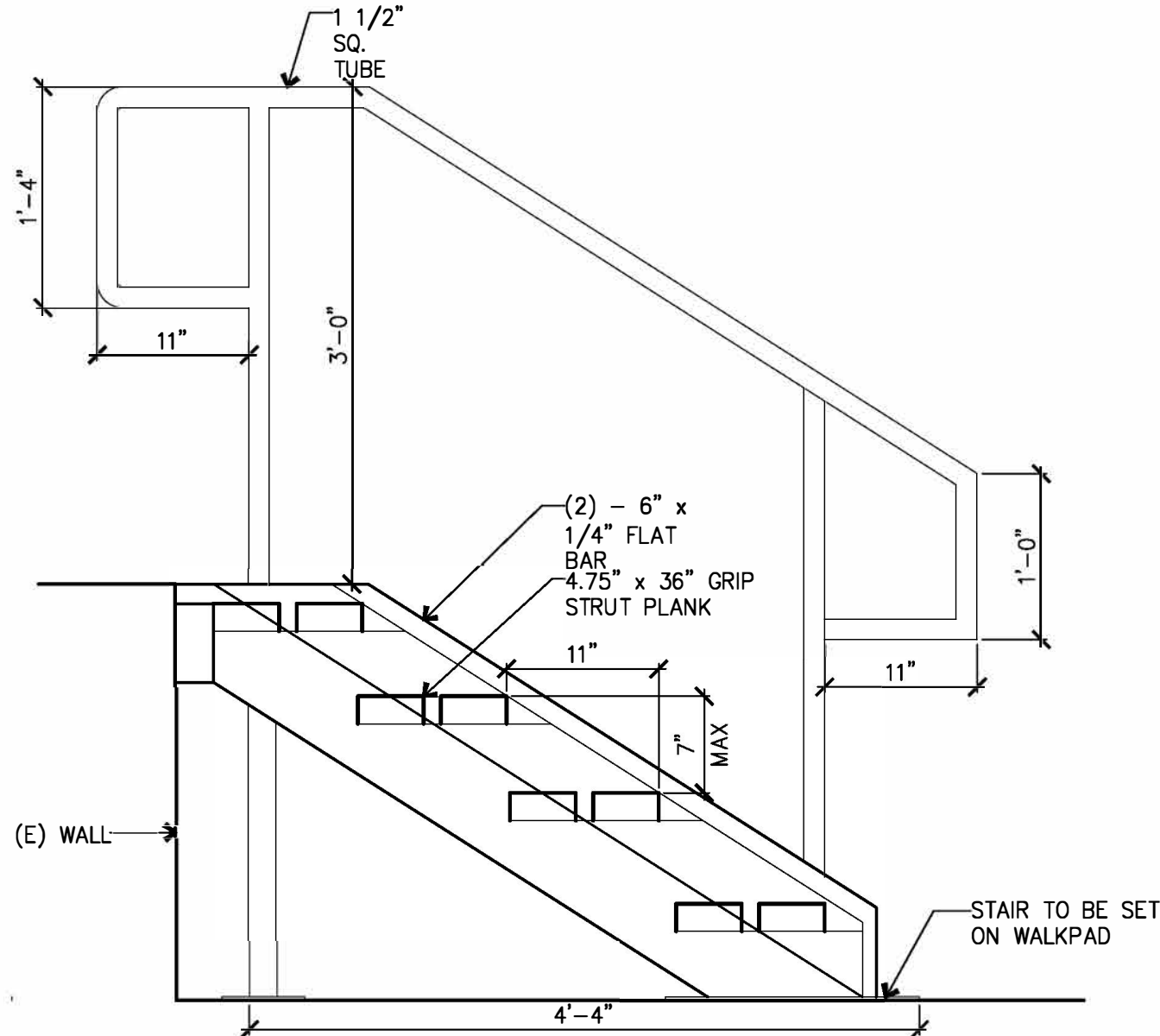
- A. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD.& NOTE ANY INACCURACIES ON AS–BUILTS.
- B. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY DEVICES FOR PROTECTION OF EMPLOYEES, PROPERTY & BUILDING OCCUPANTS. CONTRACTOR TO PROTECT ALL EGRESS POINTS OF THE BUILDING & ACCESS ROUTES. COORDINATE WITH OWNER ON STAGING AREAS FOR MATERIALS & EQUIPMENT, DUMPSTER SETUP LOCATIONS, SECURITY REQUIREMENTS.
- C. CONTRACTOR SHALL VERIFY WITH OWNER FOR REMOVAL OF ANY OUTDATED OR UNUSED ROOF MOUNTED OR ROOF EDGE EQUIPMENT, INCLUDING BUT NOT LIMITED TO ANTENNAS, SATELLITE DISHES, SECURITY CAMERAS, WEATHER STATIONS, CURBS & FANS ETC. COORDINATE WITH OWNER FOR DISCONNECTION , DISPOSAL, AND IF STILL IN USE REINSTALLATIONS & RECONNECTION OF SAID ITEM.
- D. CONTRACTOR SHALL PROVIDE ALL MECHANICAL, ELECTRICAL OR PLUMBING WORK TO DISCONNECTION, REMOVE OR REINSTALLATION OF EQUIPMENTS AS REQUIRED. COORDINATE WITH OWNER’S PROCEDURES FOR WORK ON EXISTING EQUIPMENT
- E. ROOF ELEVATIONS – BENCHMARK IS ONLY INTENDED TO CONVEY APPROXIMATE HEIGHT CHANGES BETWEEN ROOF AREAS AND HAVE NO SPECIFIC REFERENCE POINT TO A SPECIFIC ROOF AREA.
- F. PROJECT SHALL BE PHASED DUE TO BUILDING BEING OCCUPIED. CONTRACTOR SHALL COORDINATE w/ ADMIN, TO SCHEDULE.
- G. PROTECT EXISTING INTERIOR FINISHES PARTICULARLY WHERE EXISTING CEILINGS ARE EXPOSED ROOF DECK. PROTECT AREAS BELOW PER SPEC SECTION.
- H. REMOVE ANY HAZARDOUS MATERIALS DUE TO ROOF REPLACEMENT WORK INCLUDING FLASHING, PIPE, INSULATION, CEILING TILES ETC. PROVIDE INDUSTRIAL HYGIENIST DURING REMOVAL TO MONITOR & TEST FOR CLEARANCE.
- I. ALL WORK RELATED TO THE ROOFING SYSTEMS SHALL BE PERFORMED BY THE APPLICATOR QUALIFIED TO INSTALL ROOFING WITH THE SPECIFIED WARRANTIES.
- J. COORDINATE ROOFING WITH OTHER WORK, ESPECIALLY MECHANICAL, PLUMBING, AND ELECTRICAL.
- K. LOCATIONS OF ROOF TOP EQUIPMENT SHOWN ARE APPROXIMATE. COORDINATE WITH ACTUAL FIELD CONDITIONS. VERIFY IN THE FIELD. PROVIDE ROOFING AS REQUIRED TO ACCOMMODATE THE EQUIPMENT INSTALLED.
- L. BLOCKING – PROVIDE ALL NEW PRESSURE TREATED – 2 x 6 MIN. BLOCKING, UNLESS NOTED OTHERWISE. PROVIDE STAINLESS STEEL FASTENERS.
- M. REMOVE EXISTING ROOF AND ALL ASSOCIATED FLASHING, BLOCKING, ETC... AND DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS.

NEW SINGLE–PLY ROOFING

- 1. CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND CLEAN ASPHALT RELATED PRODUCTS (NEW OR EXISTING) FROM ALL ADJ. SURFACES PRIOR TO FINAL INSPECTION.
- 2. PROVIDE ADEQUATE PROTECTION OF ALL ROOF DECKS DURING EXPOSURE.
- 3. NOT USED
- 4. TRIM ANY TREES THAT OVERHANG ROOF BACK BEYOND EDGE OF ROOF LINE.
- 5. PROVIDE STAINLESS STEEL FITTINGS AT ALL CONDENSERS.
- 6. ALL WORK TO BE IN ACCORDANCE WITH IBC 1507.13, 1511 & ASTM E108
- 7. THE ENTIRE NEW ROOFING SYSTEM (INCLUDING FLASHINGS, TRIM, & ROOF WORK RELATED TO MECHANICAL, PLUMBING, AND ELECTRICAL) SHALL BE COVERED BY THE APPLICABLE SPECIFIED WARRANTY.
- 8. ROOF SLOPES– PROVIDE FINISHED SLOPE AS NOTED ON THE ROOF PLAN. (1/4" PER 1'–0")
- 9. SLOPING DECK SINGLE–PLY ROOF SYSTEM– REFER TO DETAIL 1/A1.2
- 10. LEVEL DECK SINGLE–PLY ROOF SYSTEM – REFER TO DETAIL 1/A1.2. PROVIDE TAPERED INSULATION OVER BASE INSULATION FOR A MINIMUM 1/4 in. PER FT. SLOPE. (U.N.O.)
- 11. CRICKETS, BACK SLOPES, & SADDLES – PROVIDE TAPERED INSULATION CRICKETS WITH A MINIMUM BACK SLOPE TWICE MAIN SLOPE. CONFIGURE AS SHOWN ON THE ROOF PLAN TO DIRECT WATER TO THE ROOF DRAINS OR SCUPPERS. WHERE POSSIBLE, CRICKETS HAVE BEEN SIZED IN MODULES OF FOUR (4) FOOT WIDTHS. PROVIDE TAPERED EDGE STRIPS OF THE SAME SLOPE AS THE TAPERED INSULATION AS REQUIRED TO MAKE A SMOOTH TRANSITION FROM THE CRICKET TO THE ROOF SURFACE (NO VERTICAL JOGS).
- 12. BASE FLASHING FOR THIS PROJECT WILL BE SINGLE PLY MEMBRANE.
 - VERIFY THAT THE SINGLE–PLY MEMBRANE IS SUITED FOR INSTALLATION IN CONTACT WITH ASPHALT BASED PRODUCTS.
 - APPLY THE SINGLE–PLY MEMBRANE BASE FLASHING TO THE CURB SURFACE W/ THE WHITE SIDE OUT.
 - STRIP OVER ALL SPLICES.
 - MEMBRANE FLASHING ADHERED DIRECTLY TO MASONRY WALLS – VERIFY THIS IS ACCEPTABLE TO THE ROOFING MANUFACTURER FOR THE WARRANTY SPECIFIED. (IF NOT, NOTIFY THE ARCHITECT OF THE MANUFACTURER’S REQUIREMENTS.) CLEAN & SMOOTH THE MASONRY (ESP. @ THE JOINTS). SECURE & ADHERE THE MEMBRANE PER THE MANUFACTURER’S REQUIREMENTS
 - EXTEND THE SINGLE–PLY MEMBRANE BASE FLASHING ABOVE THE NEW CANT AS FAR AS ALLOWED BY THE ROOFING MANUFACTURER. IF THE HEIGHT OF THE BASE FLASHING MUST EXCEED THE FLASHING MANUFACTURER’S RECOMMENDED LIMITS, INTERRUPT THE FLASHING MEMBRANE & PROVIDE A TERMINATION BAR & SURFACE MOUNTED METAL APRON/COUNTER FLASHING. PROVIDE ADDITIONAL MEMBRANE ABOVE, LAPPING OVER THE COUNTER FLASHING, AND EXTENDING OVER THE PARAPET AS DESCRIBED BELOW. SECURE PER THE MANUFACTURER’S RECOMMENDATIONS.
- 13. NEW ROOF EDGE –
 - SEE DETAILS FOR GENERAL CONFIGURATION.
 - ROOF EDGE IS TO BE HELD AT CONSTANT HEIGHT/ELEVATION AT EACH ROOF DETERMINED BY MAXIMUM THICKNESS OF TAPERED INSULATION.
 - PROVIDE NEW TAPERED INSULATION BACK SLOPE OR TAPERED EDGE STRIPS AS REQUIRED TO BRING THE ROOF SURFACE FLUSH w/ THE TOP OF WD. BLOCKING.
 - EXTEND THE NEW MEMBRANE BASE FLASHING OVER BLOCKING & DOWN FACE OF WALL. SEAL TO VERTICAL SURFACE.
- 14. PARAPETS & COPING (TYPICAL)
 - MAKE ADJUSTMENTS TO THE FOLLOWING BASED ON THE HEIGHT OF THE PARAPET AND THE ROOFING MFR’S. RECOMMENDATIONS.
 - SEE DETAILS FOR FLASHING @ THE BASE OF THE WALL.
 - EXTEND ROOFING PLIES ABOVE THE TOP OF THE CANT A MINIMUM OF 4” OR AS REQUIRED BY THE WARRANTY.
 - PROVIDE SINGLE–PLY MEMBRANE BASE FLASHING EXTENDING UP THE BACK SIDE, OVER THE TOP, & DOWN THE FACE OF THE PARAPET PER DETAILS. SECURE PER THE FLASHING MANUFACTURER’S RECOMMENDATIONS. SEAL THE FLASHING TO THE CURB BELOW THE BLOCKING & COVER WITH THE COPING.
 - PROVIDE METAL COPING INCLUDING CONTINUOUS CLEATS (BOTH SIDES) & P.T. BLOCKING PER DETAILS. PROVIDE BUTT JOINTS IN COPING w/ BLIND SPLICE PLATES. PROVIDE FOR EXPANSION & CONTRACTION PER THE SMACNA MANUAL (LATEST EDITION).
- 15. EXPANSION JOINT – DECK TO DECK – RAISED WOOD CURB –
 - SEE ROOF PLAN FOR LOCATION.
 - PROVIDE ROOFING INCLUDING AN EXPANSION JOINT COVER & P.T. WOOD CURBS PER DETAILS. VERIFY TOP OF BASE FLASHING IS 10” MIN. ABOVE THE NEW ROOF SURFACE.
 - PROVIDE THIS EXPANSION JOINT FOR THE ROOFING EVEN IF NOT REQUIRED FOR BUILDING EXPANSION/CONTRACTION.
- 16. ROOFING @ VERTICAL NON–LOAD BEARING WALL– PROVIDE EXPANSION JOINT STYLE DETAIL. CONDITIONS ABOVE THE CANT VARY. VERIFY & COORDINATE.
- 17. ROOFING @ VERTICAL LOAD BEARING WALL (WHERE ROOF DECK IS SUPPORTED BY WALL)– PROVIDE ROOFING PER DETAILS. CONDITIONS ABOVE THE CANT VARY. VERIFY & COORDINATE. VERIFY TOP OF SINGLE PLY MEMBRANE IS 10” MIN. ABOVE THE NEW ROOF SURFACE.
- 18. EXPANSION JOINT – DECK TO WALL STYLE AT MASONRY WALL–
 - SEE ROOF PLAN FOR LOCATION
 - NOTE THAT SURFACE LEVELS MAY VARY SIGNIFICANTLY IN HEIGHT
 - PROVIDE A DECK TO WALL EXP. JT. (incl. MTL COVER) PER DETAILS
- 19. EXPANSION JOINT – DECK TO DECK – RAISED WOOD CURB–
 - SEE ROOF PLAN FOR LOCATION
 - PROVIDE ROOFING INCLUDING AN EXPANSION JOINT COVER & P.T. WOOD CURBS PER DETAILS. VERIFY TOP OF BASE FLASHING IS 10” ABOVE NEW ROOF SURFACE
 - PROVIDE THIS EXPANSION JOINT FOR THE ROOFING EVEN IF NOT REQUIRED FOR BUILDING EXPANSION/CONTRACTION
- 20. REPLACEMENT ROOF DRAIN AND SUMP – REDUCE THE INSULATION THICKNESS AS REQUIRED TO PROVIDE A 2’ X 2’ SUMP COMPOSED OF TAPERED INSULATION & TAPERED EDGE STRIPS. COORDINATE W/ PLUMBING.
- 21. HEIGHT ABOVE ROOF SURFACE FOR TERMINATION OF BASE FLASHING AT WALLS & AT CURB MOUNTED AND OTHER ROOFTOP EQUIPMENT SHALL BE 10” MINIMUM & AS REQUIRED FOR THE WARRANTY SPECIFIED FROM THE TOP OF THE NEW ROOF SURFACE TO THE TOP OF THE FLASHING. SET CURB HEIGHTS ACCORDINGLY.
- 22. CURB MOUNTED ROOF TOP EQUIPMENT – COORDINATE WITH MECHANICAL SUB AS NEEDED. MAKE ALL LINE, PIPE, DUCT, & CONDUIT PENETRATIONS INSIDE THE CURB (INCLUDING CONDUITS FOR CONVENIENCE OUTLETS). IF THAT IS NOT POSSIBLE, PROVIDE DUCT CURBS, GOOSENECKS, AND PENETRATION POCKETS AS REQUIRED. (SEE OTHER ROOF NOTES.) ON THE UPHILL SIDE(S) OF THE CURB, PROVIDE CRICKETS WITH A MINIMUM BACK SLOPE TWICE THE MAIN SLOPE (EVEN IF NOT SHOWN). AT CONDENSATE LINES DRAINING ONTO THE ROOF SURFACE, PROVIDE CONC. SPLASH BLOCKS.
- 23. COLD ROUND VENTS OR PIPES THROUGH THE ROOF – VERIFY TOP IS 10” MINIMUM ABOVE THE NEW ROOF SURFACE. EXTEND AS REQUIRED. SEAL LEAD FLASHING TO INSIDE OF PIPE.
- 24. GOOSENECKS – MAKE ALL LINE, WIRE, CONDUIT, ETC... PENETRATIONS OUTSIDE OF CURBS THROUGH GOOSENECKS IF AT ALL POSSIBLE. MOUNT GOOSENECKS ON CURBS. COORDINATE W/ MECHANICAL &

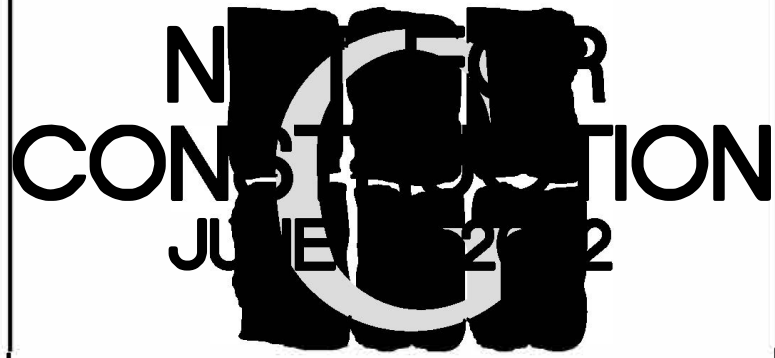
ELECTRICAL.

- 25. PIPE PORTALS & CURBS – FOR PIPE CONNECTIONS PROVIDE PIPE PORTALS (INCLUDING COVERS & CAPS) MOUNTED ON CURBS. COORDINATE WITH MECHANICAL AND PLUMBING.
- 26. PENETRATION POCKETS – ONLY WHERE GOOSENECKS OR PIPE PORTALS ARE IMPOSSIBLE, PROVIDE SEALER POCKETS W/ HOODS PER DETAILS. REVIEW THESE SITUATIONS WITH THE OWNER AND ARCHITECT.
- 27. ROOF LADDER – NOT USED
- 28. WALK PADS – LOCATE AS FOLLOW. PROVIDE w/ CONNECTIONS ACROSS ROOF AREAS AS NEEDED COORDINATE IN FIELD w/ OWNER. COORDINATE PADS WITH ROOF SLOPES AND CRICKETS. LOCATE PADS TO ALLOW FOR FLOW OF WATER DOWN SLOPE ESPECIALLY AT VALLEYS. INTERRUPT PADS ON AN ANGLE AT VALLEYS. NOTIFY ARCHITECT IF WALKWAY LAYOUT SHOWN IMPEDES WATER FLOW & MAKE ADJUSTMENTS AS REQUIRED. PROVIDE EXTRA PADS AT BOTH SIDES OF EXPANSION JOINT, & ROOF HATCH, RTU, & EQUIPMENT AS SHOWN.
- 29. TERMINATION ALONG A VERTICAL EDGE – PROVIDE PER MANUFACTURER’S DETAIL. PROVIDE MTL. RECEIVER/COUNTERFLASHING (incl. BACKER ROD & SEALANT) TO COVER THE TERMINATION. INSULATION & COUNTERFLASHING SHALL NOT EXCEED HEIGHT OF EXISTING THRU WALL FLASHING. VERIFY & COORDINATE IN FIELD. MODIFY TAPERED INSULATION, CRICKET OR SLOPE ACCORDINGLY. NOTIFY OWNER/ARCHITECT OF POTENTIAL CONFLICTS.
- 30. ROOF HATCH – EXTEND EXIST. LADDER AS REQ'D FOR NEW ROOF HATCH CURB. SEE DTL 1/A1.3 FOR HATCH DTL
- 31. RAIL MOUNTED ROOF TOP EQUIPMENT ON CURB STYLE RAILS SITTING DIRECTLY ON ROOF DECK – PROVIDE ROOFING SIMILAR TO ROOF NOTE 11. PROVIDE PENETRATION POCKETS AND DUCT CURBS AS REQ'D. PROVIDE CONC. SPLASH BLOCKS AT CONDENSATE LINES DRAINING ONTO ROOF SURFACE
- 32. THROUGH WALL OVERFLOW SCUPPER – MINIMUM DIMENSION OF THE OPENING SHALL BE 4”. LOCATE THE SCUPPER 5” MAXIMUM ABOVE THE LOW POINT OF THE ROOF. PROVIDE WITH METAL LINER, P.T. BLOCKING, & ROOFING PER DTL 15/A1.3. THE SCUPPERS ARE INTENDED TO DISCHARGE DOWN THE FACE OF THE WALL.
- 33. NEW DRIP EDGE & GUTTER – PROVIDE 2 FT. OF TAPERED INSULATION (@ 1/2 IN. PER FT.) TO INCREASE THE SLOPE AT THE EAVE. REDUCE THE BASE INSULATION AS REQUIRED @ EAVE. PROVIDE ROOFING & DRIP EDGE PER DTL 14/A1.3. LAP THE MEMBRANE OVER ANY FASCIA MATERIAL & SEAL. STRIP OVER THE ROOF EDGE. SEAL OVER ANY ATTACHMENT POINTS.



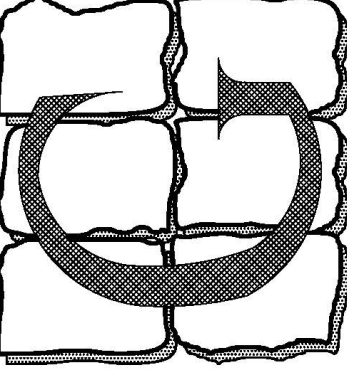
SECT DETAIL @ ROOF STEPS

1" = 1'-0"
1" = 1'-14"
SCALE 0 1 2 FEET



21-035

L.S. GRIM, INC.
Consulting Engineers



145 KO WAY
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ROOF REPLACEMENT

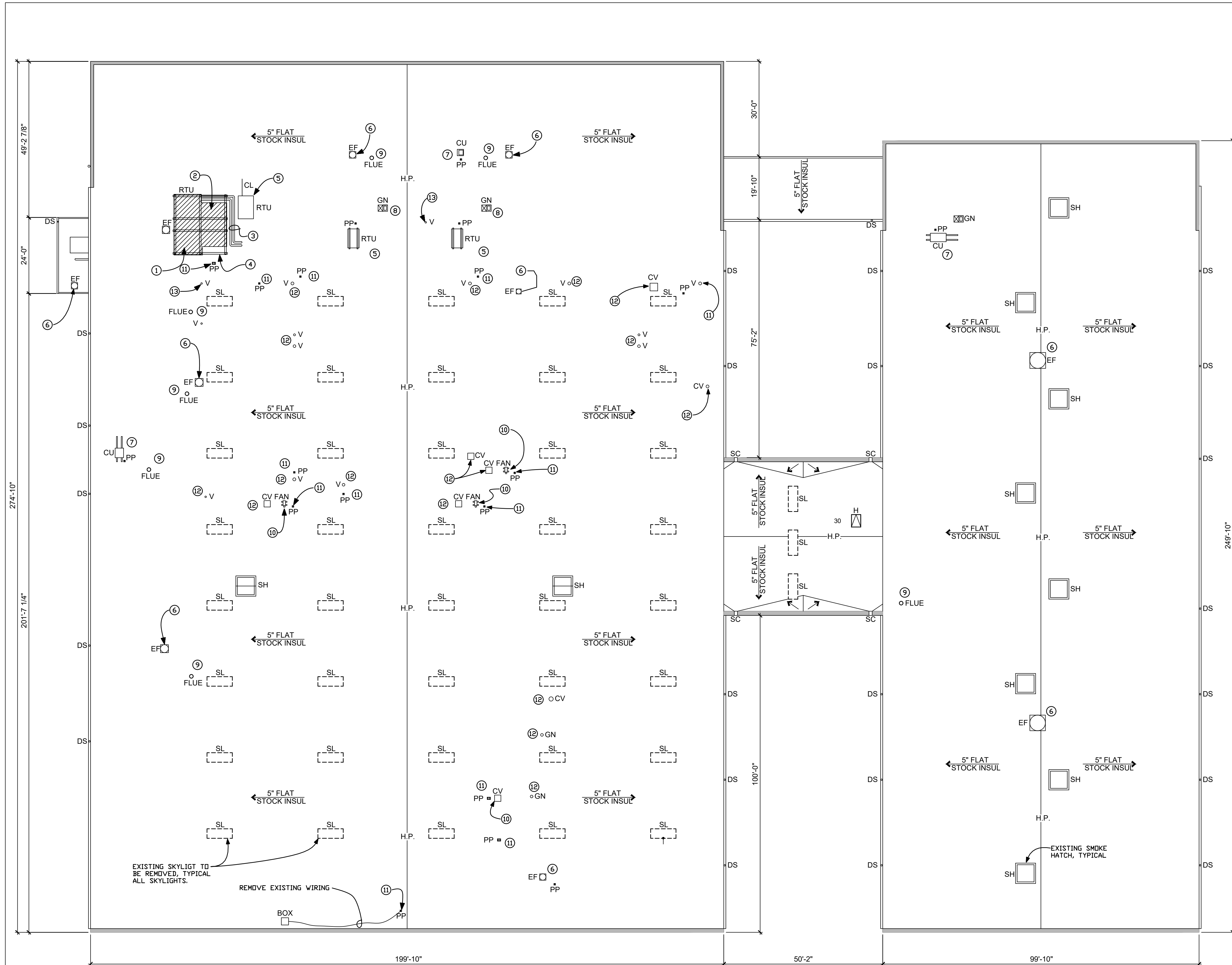
Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number: 14401
Expiration Date: 4/30/2028

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WV. PROF. ENG. NO. 10784

COMMIT
BID SET
DATE
8-14-22

1
A1.4

A-1.4
5 OF 6 SHEETS
DATE: JUNE 14, 2022



MECHANICAL/ ELECTRICAL DEMOLITION GENERAL NOTES:

- 1) REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND PROJECT REQUIREMENTS.
- 2) ALL EXISTING "CAPPED" DUCTS THROUGH ROOF SHALL BE REMOVED IN ENTIRETY TO BELOW THE ROOF.
- 3) ALL EXISTING ELECTRICAL CONDUITS THROUGH ROOF WHICH HAVE BEEN ABANDONED SHALL BE REMOVED ENTIRELY BELOW THE ROOF AND MAKE SAFE.

MECHANICAL/ ELECTRICAL PLAN KEYED NOTES:

- 1 REMOVE EXISTING CONDENSING UNIT KRAK MODEL# KACVK-8312M-MC IN ENTIRETY. REMOVE PIPING DOWN THROUGH ROOF TO CONNECTION POINT OF UNIT BELOW. REMOVE POWER WIRING IN ENTIRETY TO JUNCTION BOX ON CEILING BELOW.
- 2 REMOVE EXISTING CONDENSING UNIT KRAK MODEL# FCVZ-6410M IN ENTIRETY. REMOVE PIPING DOWN THROUGH ROOF TO CONNECTION POINT OF UNIT BELOW. REMOVE POWER WIRING IN ENTIRETY TO JUNCTION BOX ON CEILING BELOW.
- 3 REMOVE WATER AND REFRIGERANT PIPING DOWN THROUGH ROOF TO CONNECTION POINT OF UNIT BELOW.
- 4 EXISTING ABOVE ROOF SUPPORT STEEL SHALL REMAIN FOR FUTURE REUSE.
- 5 EXISTING ROOFTOP UNIT TO REMAIN.
- 6 EXISTING EXHAUST FAN TO REMAIN.
- 7 EXISTING CONDENSING UNIT TO REMAIN.
- 8 EXISTING GOOSENECK TO REMAIN.
- 9 EXISTING FLUE TO REMAIN.
- 10 EXISTING UTILITY FAN TO BE REMOVED.
- 11 TYPICAL ABANDONED ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE REMOVED BELOW ROOF, MAKE SAFE.
- 12 EXISTING CAPPED DUCT REMOVE TO BELOW ROOF BACK TO EQUIPMENT CONNECTION.
- 13 PLUMBING VENT TO REMAIN.

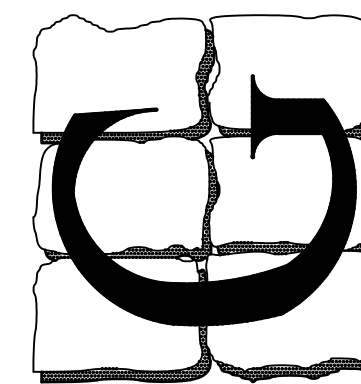
NOTE:
MECHANICAL/ ELECTRICAL DEMOLITION WORK IS TO ACCOMMODATE THE INSTALLATION OF A NEW ROOFING SYSTEM. ANY ABANDONED MECHANICAL/ ELECTRICAL ITEMS ON OR THROUGH THE ROOF SHALL BE REMOVED TO ACCOMMODATE THE INSTALLATION OF THE NEW ROOFING SYSTEM.

ROOF MECHANICAL/ ELECTRICAL DEMOLITION PLAN
SCALE 1/8"=1'-0"

NOT FOR
CONSTRUCTION
JUNE 14, 2022

21-035

L.S. GRIM, INC.
Consulting Engineers



145 KO WAY
HAGERSTOWN MD, 21740
ROOF REPLACEMENT
MECHANICAL/ ELECTRICAL DEMO PLAN

Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland
License Number: 14401
Expiration Date: 4/21/2023

LESLIE SCOTT GRIM, P.E.
CO. PROF. ENG. NO. PE0050461
DC. PROF. ENG. NO. PE90201
DE. PROF. ENG. NO. 19513
GA. PROF. ENG. NO. PE032582
HI. PROF. ENG. NO. PE15943
MD. PROF. ENG. NO. 14401
NE. PROF. ENG. NO. 033364
NJ. PROF. ENG. NO. 38497
NY. PROF. ENG. NO. 075414
PA. PROF. ENG. NO. PE032636E
VA. PROF. ENG. NO. 023240
WV. PROF. ENG. NO. 10764

REV.	DATE	COMMENT
	6-14-22	BID SET

DRAWN BY: LBG

ME-1.0
6 OF 6 SHEETS
DATE: JUNE 14, 2022