RMS & FRMS GYMS, WHHS BLDG Y & HCPS C.O. ROOF REPLACEMENTS

HENDERSON COUNTY PUBLIC SCHOOLS

CONTACTS

OWNER REPRESENTATIVE

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MARK LUSK ARCHITECTURE PLLC 128 WOODBURN DRIVE SWANNANOA. NC 28778 828,808,9757

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NORTH CAROLINA BUILDING CODE SUMMARY

- 1. PER N.C.G.S. 143-138(b15): BUILDINGS CONSTRUCTED BEFORE 2012 ARE EXCLUDED FROM THE CURRENT CODE AND ARE SUBJECT TO THE 2009 NC ENERGY CONSERVATION CODE. R-VALUE MIN. SHALL BE R-15, FOR CLIMATE ZONE 4 (NON-MARINE)
- 2. NC ENERGY CONSERVATION CODE 503.1 EXCEPTION 2.e: REROOF SHALL NOT BE LESS THAN THE CONDITIONS/DESIGN PRIOR TO ROOF REPLACEMENT
- 3. 1511.1 EXCEPTIONS 1&2: REPLACEMENT SHALL NOT BE REQUIRED TO MEET THE SLOPE REQUIREMENT OF 1/2" PER FOOT OR PROVIDE SECONDARY DRAINS OR SCUPPERS
- 4. 1511.3.1.1 EXCEPTIONS 3: ROOF RECOVERING SHALL NOT BE PERMITTED OVER WATER SOAKED ROOFING OR OVER 2 OR MORE ROOF APPLICATIONS

NOTES:

- 1. RMS GYM APPROXIMATE ROOF SQUARE FOOTAGE: 9,837 SF
- 2. FRMS GYM APPROXIMATE ROOF SQUARE FOOTAGE: 9,837 SF
- 3. WHHS BLDG Y APPROXIMATE ROOF SQUARE FOOTAGE: 9.500 SF
- 4. CONTROL OFFICE APPROXIMATE ROOF SQUARE FOOTAGE: 8,912 SF

ABBREVIATIONS:

- 1. REPLACE= REMOVE EXISTING AND PROVIDE AS SHOWN AND SPECIFIED
- 2. MB= MODIFIED BITUMEN
- 3. RD= ROOF DRAIN
- 4. CMU= CONCRETE MASONRY UNITS
- 5. CWFD= CEMENTITIOUS WOOD FIBER DECK
- 6. POLYISO= POLYISOCYANURATE
- 7. DS= DOWNSPOUT

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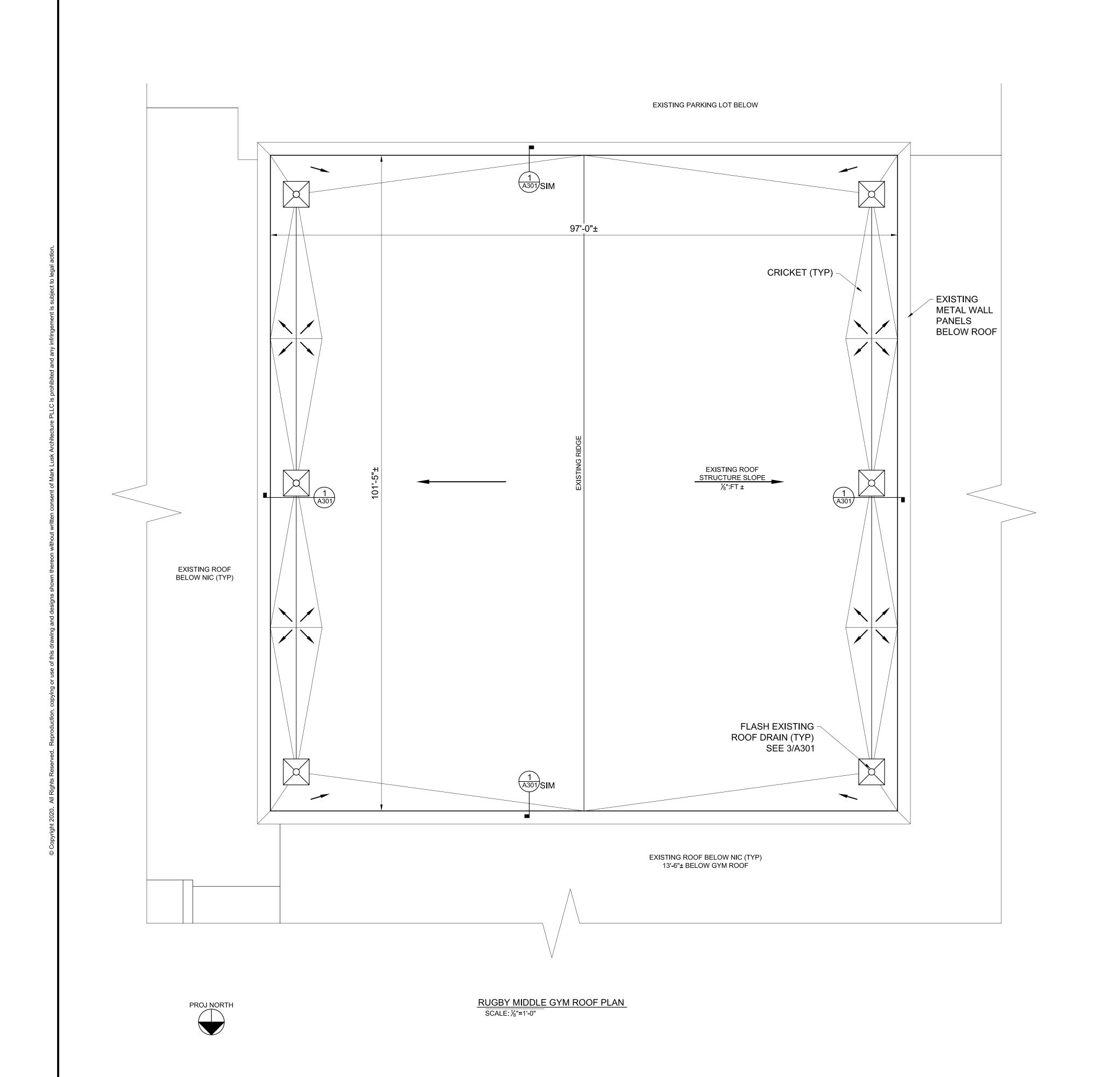
RMS & FRMS GYMS, WHHS BLDG Y & HCPS C.O. ROOF REPLACEMENTS

Project Number: 20004 Checked:

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COVER SHEET

T101



ROOFING NOTES

1. EXISTING ROOFING COMPONENTS:

MODIFIED BITUMEN
MECHANICALLY ATTACHED 1½" POLYISO INSULATION
BUILT-UP ROOFING
30# FELT
CWFD- 3" THICK

BASE BID

2. DEMOLITION: REMOVE EXISTING MODIFIED BITUMEN & POLYISO INSULATION. REMOVE EXISTING ROOFING SYSTEM COMPONENTS INCLUDING FLASHING. EXISTING B.U. ROOFING SHALL REMAIN.

3. PROVIDE FULLY ADHERED 60 MIL TPO MEMBRANE ROOFING SYSTEM, AND 2.6" POLYISO INSULATION OVER EXISTING BUILT-UP ROOFING. ATTACH INSULATION THROUGH INTO EXISTING CWFD.

ALTERNATE NO.1

2. DEMOLITION: REMOVE EXISTING MODIFIED BITUMEN. REMOVE EXISTING ROOFING SYSTEM COMPONENTS INCLUDING FLASHING. EXISTING B.U. ROOFING & POLYISO INSULATION SHALL REMAIN.

3. PROVIDE FULLY ADHERED 60 MIL TPO MEMBRANE ROOFING SYSTEM, AND $\frac{1}{2}$ " HD BOARD OVER EXISTING POLYISO INSULATION. ATTACH INSULATION THROUGH INTO EXISTING CWFD.

GENERAL NOTES

1. EXISTING WOOD NAILER SHALL REMAIN UNLESS DETERMINED TO BE DAMAGED BY OWNER. REMOVAL AND REPLACEMENT SHALL BE PERFORMED AT UNIT PRICE.

2. VERIFY DIMENSIONS, QUANTITIES, SIZES, AND OTHER EXISTING CONDITIONS PRIOR TO DEMOLITION WORK. DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.

3. CRICKETS SHALL SLOPE AT $\frac{1}{2}$ " PER FOOT.

4. SITE ACCESS, STAGING AND SCHEDULE TO BE COORDINATED WITH PRINCIPAL.

5. PROVIDE 18-8 OR 304 STAINLESS STEEL FASTENERS WHERE IN CONTACT WITH PRESSURE TREATED WOOD.

6. CONTRACTOR SHALL TAKE MEASURES TO PROTECT EXISTING ROOFING NIC AND SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DURING WORK TO PROVIDE WARRANTY REPAIR.

7. CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH THE AHJ. COSTS FOR PERMITS SHALL BE INCLUDED IN WORK. PROVIDE INSPECTION DOCUMENTS TO THE OWNER.

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RUGBY MIDDLE SCHOOL GYM ROOF PLAN



128 WOODBURN DR

GYMS, WHHS BLDG Y & HCPS C.O. ROOF **REPLACEMENTS**

Date: 6/22/20

PLANS

ROOFING NOTES

1. EXISTING ROOFING COMPONENTS:

MECHANICALLY ATTACHED SPM SYSTEM
MECHANICALLY ATTACHED ½" UNDERLAYMENT BOARD
1½" POLYISO INSULATION
BUILT-UP ROOFING
CWFD- 3" THICK

- 2. DEMOLITION: REMOVE EXISTING SPM & UNDERLAYMENT BOARD. REMOVE EXISTING ROOFING SYSTEM COMPONENTS INCLUDING FLASHING. EXISTING B.U. ROOFING & POLYISO INSULATION SHALL REMAIN.
- 3. PROVIDE FULLY ADHERED 60 MIL TPO MEMBRANE ROOFING SYSTEM, AND ½" UNDERLAYMENT BOARD OVER EXISTING POLYISO INSULATION ATTACH INSULATION THROUGH INTO EXISTING CWFD.

GENERAL NOTES

1. EXISTING WOOD NAILER SHALL REMAIN UNLESS DETERMINED TO BE DAMAGED BY OWNER. REMOVAL AND REPLACEMENT SHALL BE PERFORMED AT UNIT PRICE.

- 2. VERIFY DIMENSIONS, QUANTITIES, SIZES, AND OTHER EXISTING CONDITIONS PRIOR TO DEMOLITION WORK. DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.
- 3. CRICKETS SHALL SLOPE AT $\frac{1}{2}$ " PER FOOT.
- 4. SITE ACCESS, STAGING AND SCHEDULE TO BE COORDINATED WITH PRINCIPAL.
- 5. PROVIDE 18-8 OR 304 STAINLESS STEEL FASTENERS WHERE IN CONTACT WITH PRESSURE TREATED WOOD.
- 6. CONTRACTOR SHALL TAKE MEASURES TO PROTECT EXISTING ROOFING NIC AND SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DURING WORK TO PROVIDE WARRANTY REPAIR.
- 7. CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH THE AHJ. COSTS FOR PERMITS SHALL BE INCLUDED IN WORK. PROVIDE INSPECTION DOCUMENTS TO THE OWNER.

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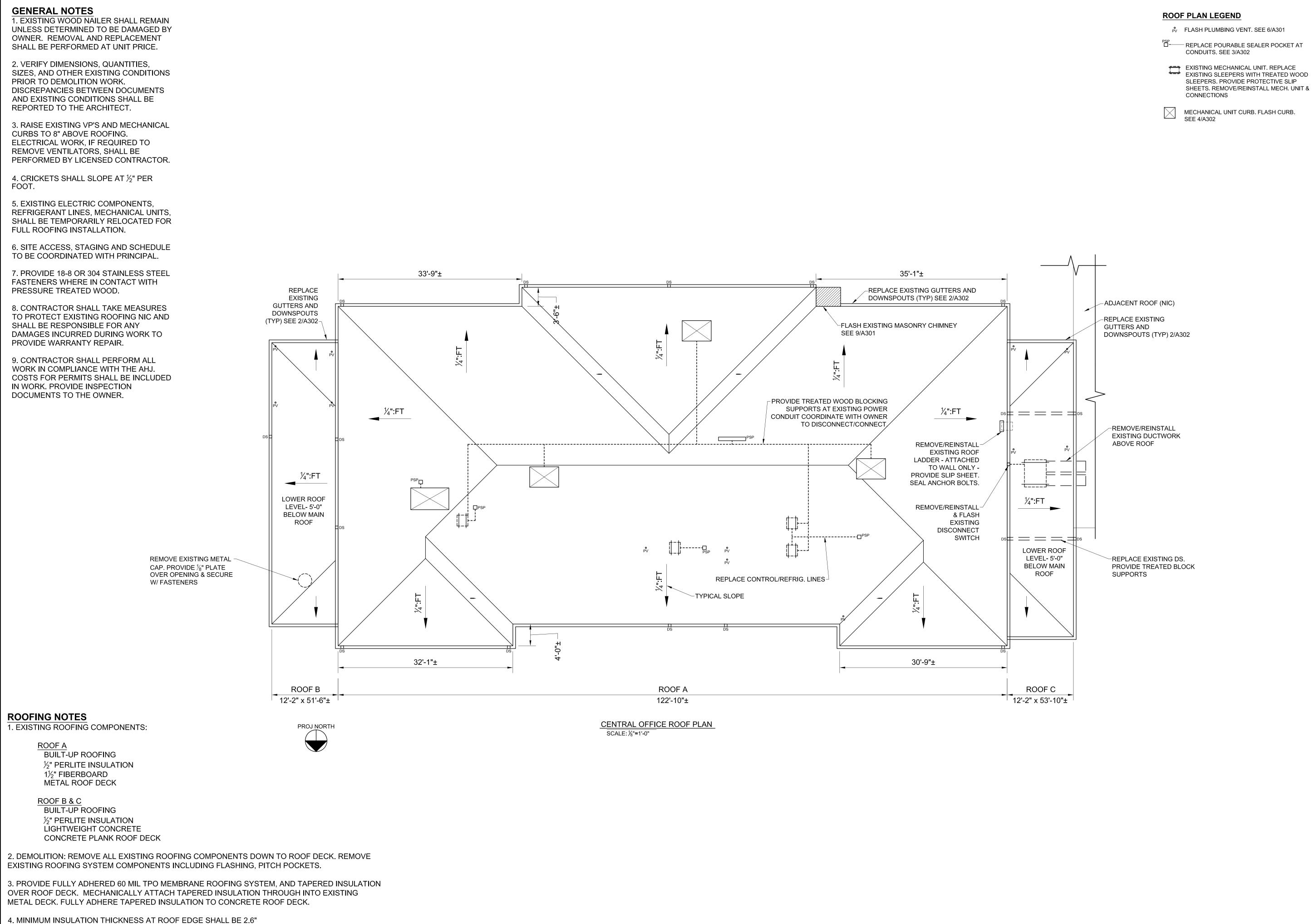
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FLAT ROCK MIDDLE SCHOOL GYM ROOF PLAN



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Project Number: 20004
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Revisions:

CENTRAL OFFICE ROOF PLAN



1. EXISTING WOOD NAILER SHALL REMAIN UNLESS DETERMINED TO BE DAMAGED BY OWNER. REMOVAL AND REPLACEMENT SHALL BE PERFORMED AT UNIT PRICE.

2. VERIFY DIMENSIONS, QUANTITIES, SIZES, AND OTHER EXISTING CONDITIONS PRIOR TO DEMOLITION WORK. DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.

3. RAISE EXISTING VP'S AND MECHANICAL CURBS TO 8" ABOVE ROOFING. ELECTRICAL WORK, IF REQUIRED TO REMOVE VENTILATORS, SHALL BE PERFORMED BY LICENSED CONTRACTOR.

4. CRICKETS SHALL SLOPE AT ½" PER FOOT.

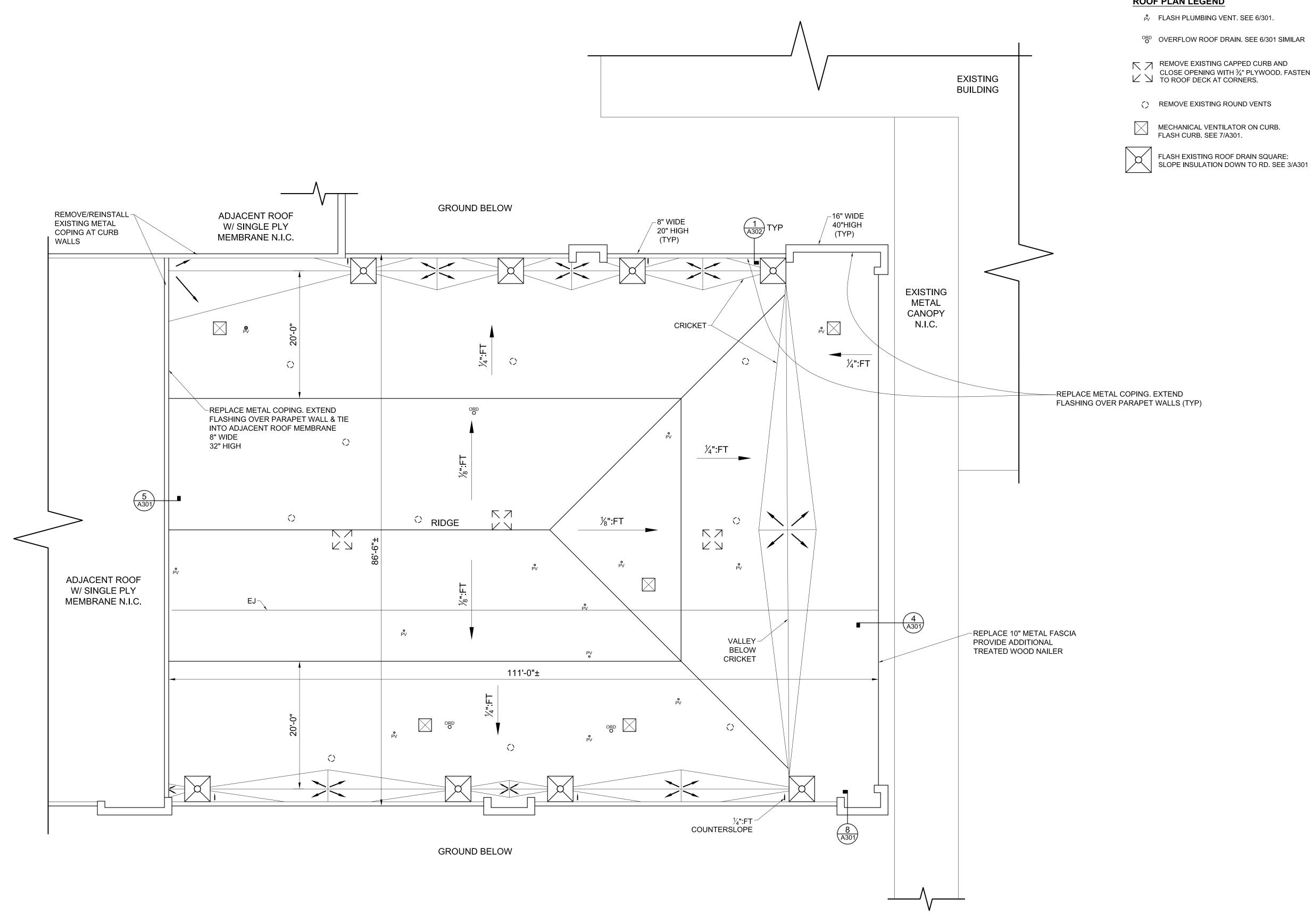
5. EXISTING ELECTRIC COMPONENTS, REFRIGERANT LINES, MECHANICAL UNITS, SHALL BE TEMPORARILY RELOCATED FOR FULL ROOFING INSTALLATION.

6. SITE ACCESS, STAGING AND SCHEDULE TO BE COORDINATED WITH PRINCIPAL.

7. PROVIDE 18-8 OR 304 STAINLESS STEEL FASTENERS WHERE IN CONTACT WITH PRESSURE TREATED WOOD.

8. CONTRACTOR SHALL TAKE MEASURES TO PROTECT EXISTING ROOFING NIC AND SHALL BE RESPONSIBLE FOR ANY DAMAGES INCURRED DURING WORK TO PROVIDE WARRANTY REPAIR.

9. CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH THE AHJ. COSTS FOR PERMITS SHALL BE INCLUDED IN WORK. PROVIDE INSPECTION DOCUMENTS TO THE OWNER.



ROOFING NOTES

1. EXISTING ROOFING COMPONENTS:

FULLY ADHERED SPM MEMBRANE ½" UNDERLAYMENT BOARD BUILT-UP ROOFING 3/4" PERLITE INSULATION VAPOR BARRIER CWFD

2. DEMOLITION: REMOVE ALL EXISTING ROOFING COMPONENTS DOWN TO VAPOR BARRIER. REMOVE EXISTING ROOFING SYSTEM COMPONENTS INCLUDING TERMINATION BARS, FLASHING. THE EXISTING VAPOR BARRIER SHALL REMAIN.

3. PROVIDE FULLY ADHERED 60 MIL TPO MEMBRANE ROOFING SYSTEM, AND TAPERED INSULATION OVER EXISTING VAPOR BARRIER. ATTACH TAPERED INSULATION THROUGH INTO EXISTING CWFD.

4. MINIMUM INSULATION THICKNESS AT RD'S & VALLEY'S SHALL BE 2.6"

BUILDING Y ROOF PLAN- WEST HENDERSON HIGH

SCALE: 1/8"=1'-0"

ROOF PLAN LEGEND

ORD OVERFLOW ROOF DRAIN. SEE 6/301 SIMILAR

REMOVE EXISTING CAPPED CURB AND CLOSE OPENING WITH ¾" PLYWOOD. FASTEN TO ROOF DECK AT CORNERS.

() REMOVE EXISTING ROUND VENTS

FLASH EXISTING ROOF DRAIN SQUARE:



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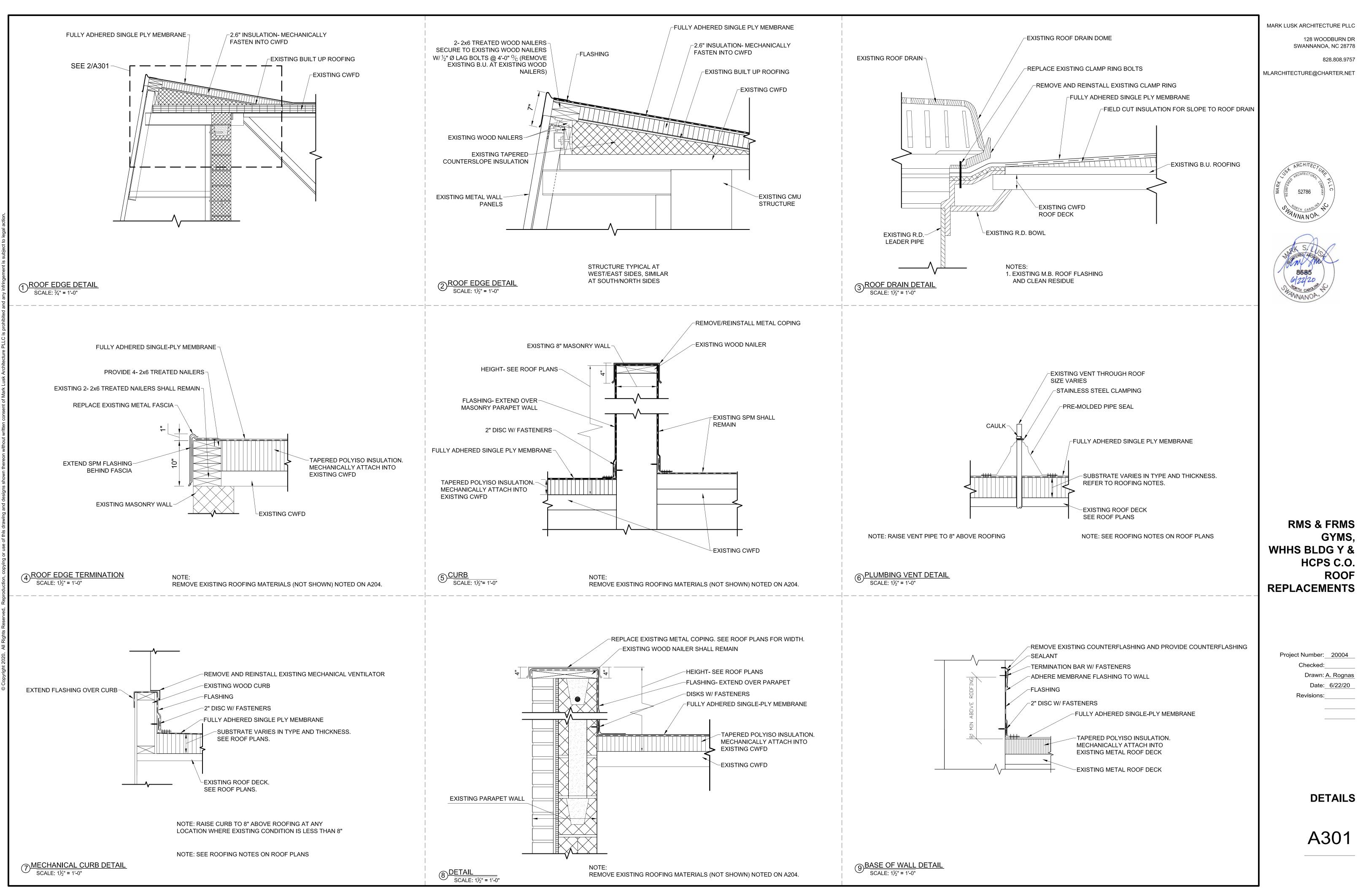


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BUILDING Y ROOF PLAN-WEST HENDERSON HIGH



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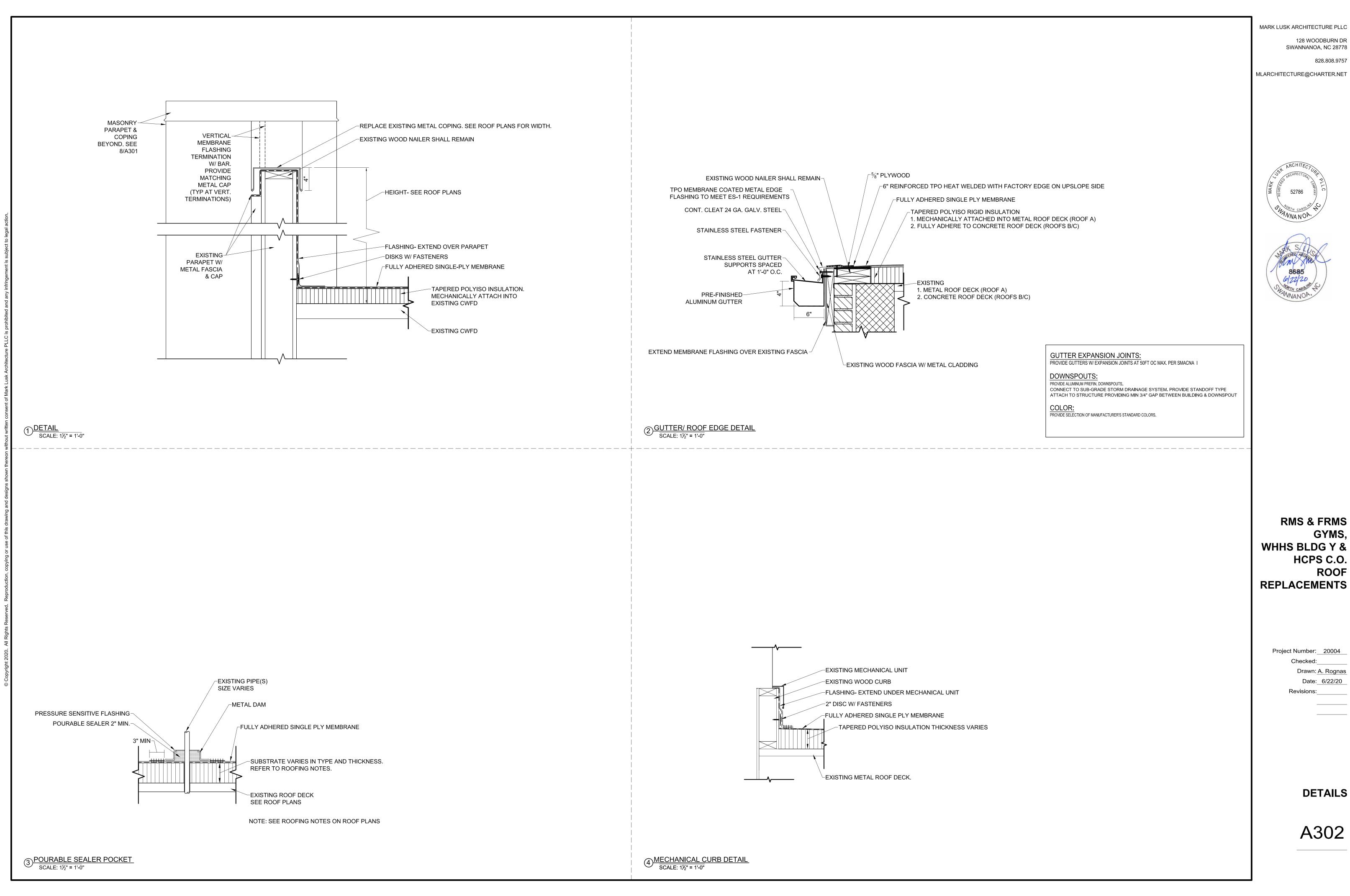
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DETAILS





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