HCPS GUTTER/DS REPLACEMENT AT EHHS, HMS, & FES

OWNER

HENDERSON COUNTY
HENDERSON COUNTY PUBLIC SCHOOLS

CONTACTS

OWNER REPRESENTATIVE

BRYAN RHODES
HENDERSON COUNTY
100 N. KING ST.
HENDERSONVILLE, NC 28792

MARTIN BALLARD
HENDERSON COUNTY PUBLIC SCHOOLS
246 EDUCATION DRIVE
FLAT ROCK, NC 28731

BRIAN CANTRELL
HENDERSON COUNTY PUBLIC SCHOOLS
246 EDUCATION DRIVE
FLAT ROCK, NC 28731

ARCHITECT

MARK LUSK ARCHITECTURE PLLC
128 WOODBURN DRIVE
SWANNANOA, NC 28778
828.808.9757

LIST OF DRAWINGS	
T101	COVER SHEET
ARCHITECTURAL	
A201	EAST HENDERSON HIGH GUTTER REPLACEMENTS
A202	HENDERSONVILLE MIDDLE GUTTER REPLACEMENTS
A203	FLETCHER ELEMENTARY GUTTER REPLACEMENTS
A301	DETAILS

NOTES:
1. EHHS NEW GYM APPROXIMATE ROOF SQUARE FOOTAGE: 23,280 SF
2. EHHS OFFICE APPROXIMATE ROOF SQUARE FOOTAGE: 10,550 SF
3. HENDERSONVILLE MIDDLE SCHOOL APPROXIMATE ROOF SQUARE FOOTAGE: 79,320 SF
4. FLETCHER ELEMENTARY SCHOOL APPROXIMATE ROOF SQUARE FOOTAGE: 63,940 SF

ABBREVIATIONS:
1. REPLACE= REMOVE EXISTING AND PROVIDE AS SHOWN AND SPECIFIED
2. RD= ROOF DRAIN
3. CMU= CONCRETE MASONRY UNITS
4. CWFD= CEMENTITIOUS WOOD FIBER DECK
5. POLYISO= POLYISOCYANURATE
6. DS= DOWNSPOUT
7. AFG= ABOVE FINISH GRADE
8. AFR= ABOVE FINISH ROOF

HCPS GUTTER/DS REPLACEMENT AT EHHS, HMS, & FES

Project Number: 23003
Checked:
Drawn: A. Rognas
Date: 9/5/23
Revisions:

COVER SHEET

T101

NOTES

1. REMOVE EXISTING GUTTERS AND DOWNSPOUTS

2. DOWNSPOUTS SHALL:
   - TRANSITION AND TERMINATE INTO EXISTING 6"Ø PIPE AT 7'-4"± AFG.
   - TERMINATE W/ ELBOW WHERE LOCATED ABOVE EXISTING METAL ROOF

3. REPLACEMENT DOWNSPOUTS SHALL:
   - BE INSTALLED AT SAME LOCATIONS AS EXISTING
   - MATCH EXISTING TRANSITION BELOW METAL FASCIA AT BRICK VENEER AND AT 6"Ø PIPE

4. DIMENSIONS & HEIGHTS ARE APPROXIMATE

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

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

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.

8. DETAILS - SEE 1/ A301, 2/A301

EHHS NEW GYM ROOF/GUTTER PLAN
SCALE: 1/16"=1'-0"

DS
EAVE@9'± ABOVE ROOF
EAVE@ 16'±AFG
EAVE@ 26'±AFG
EAVE@5'± ABOVE ROOF
EAVE@36'±AFG (TYP)
16'-0"±
90'-0"±
16'-0"±
24'-0"±
EXISTING METAL ROOF SLOPE (TYP)
RIDGE
131'-0"±
ADJACENT ROOF
EAVE@5'± ABOVE ROOF
EAVE@ 26'±AFG
4x6 DOWNSPOUT (TYP)
7Wx6D GUTTER (TYP)
PROJECT NORTH

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

DS
EAVE@ 12'±AFG
111'-0"±
6Wx5D GUTTER (TYP)
4x6 DOWNSPOUT (TYP)
EXISTING METAL ROOF SLOPE (TYP)
RIDGE
VALLEY
VALLEY
RIDGE
ADJACENT ROOF
44'-0"±
14'-0"±
11'-0"±
ADJACENT ROOF
PROJECT NORTH

52786
MARK S. LUSK
8689
4/5/23
SWANNANOA, NC

GUTTER EXPANSION JOINTS:
GUTTERS SHALL BE BOX STYLE SEAMLESS 0.032" ALUMINUM W/ EXPANSION JOINTS AT 50FT OC MAX. HANGERS SHALL BE 1½" WIDE 0.063" THICK 3105 ALLOY ALUMINUM AT 18" O/C, PER SMACNA

DOWNSPOUTS:
PROVIDE NEW 0.032" ALUMINUM PREFIN. DOWNSPOUTS. CONNECT TO SUB-GRADE STORM DRAINAGE SYSTEM. PROVIDE STANDOFF TYPE ATTACH TO STRUCTURE PROVIDING MIN 3/4" GAP BETWEEN BUILDING & DOWNSPOUT

COLOR:
PROVIDE SELECTION OF MANUFACTURER'S STANDARD COLORS.- MATCH EXISTING METAL ROOFING

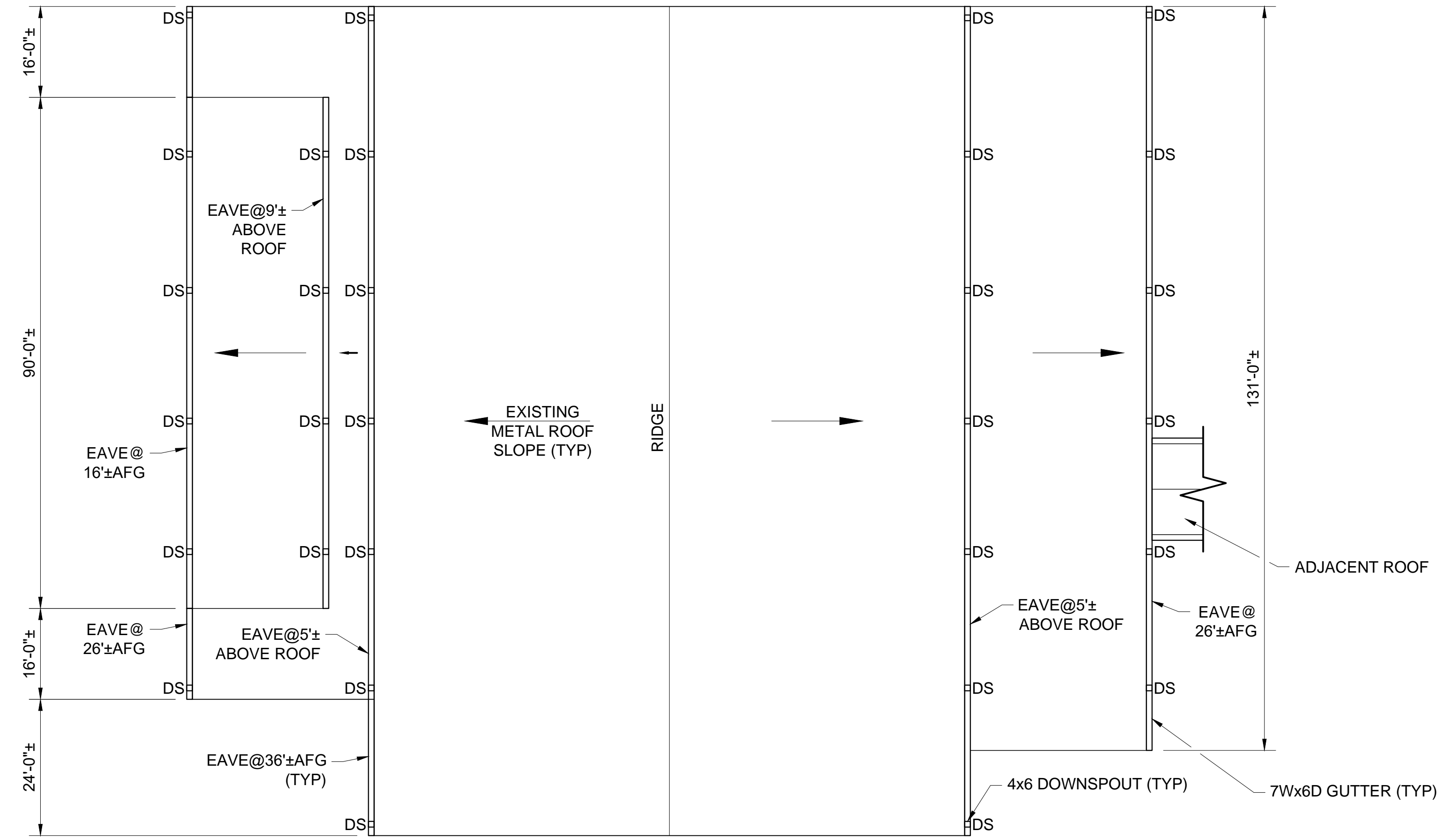THIS SHEET BASE BID

HCPS GUTTER/DS REPLACEMENT AT EHHS, HMS, & FES

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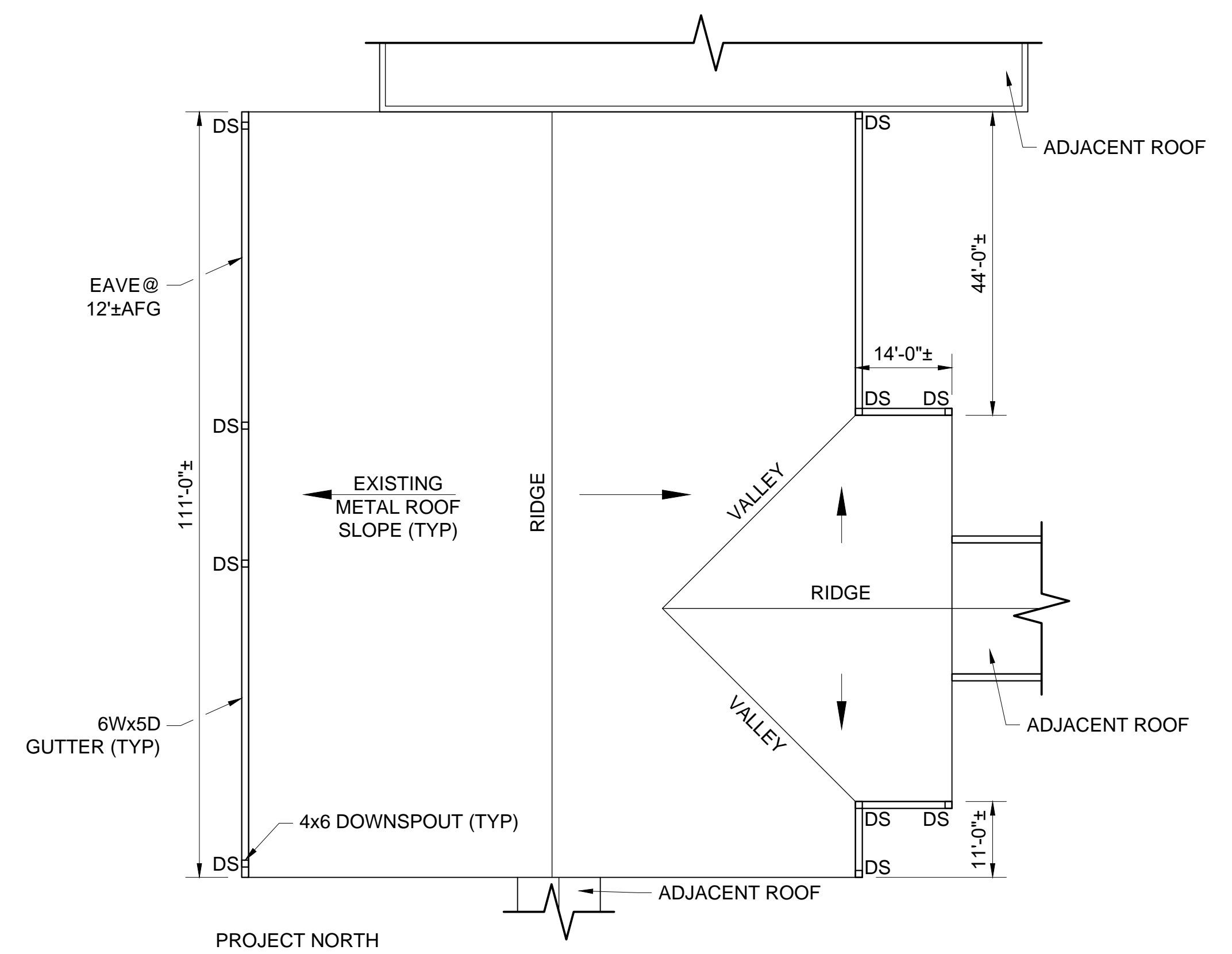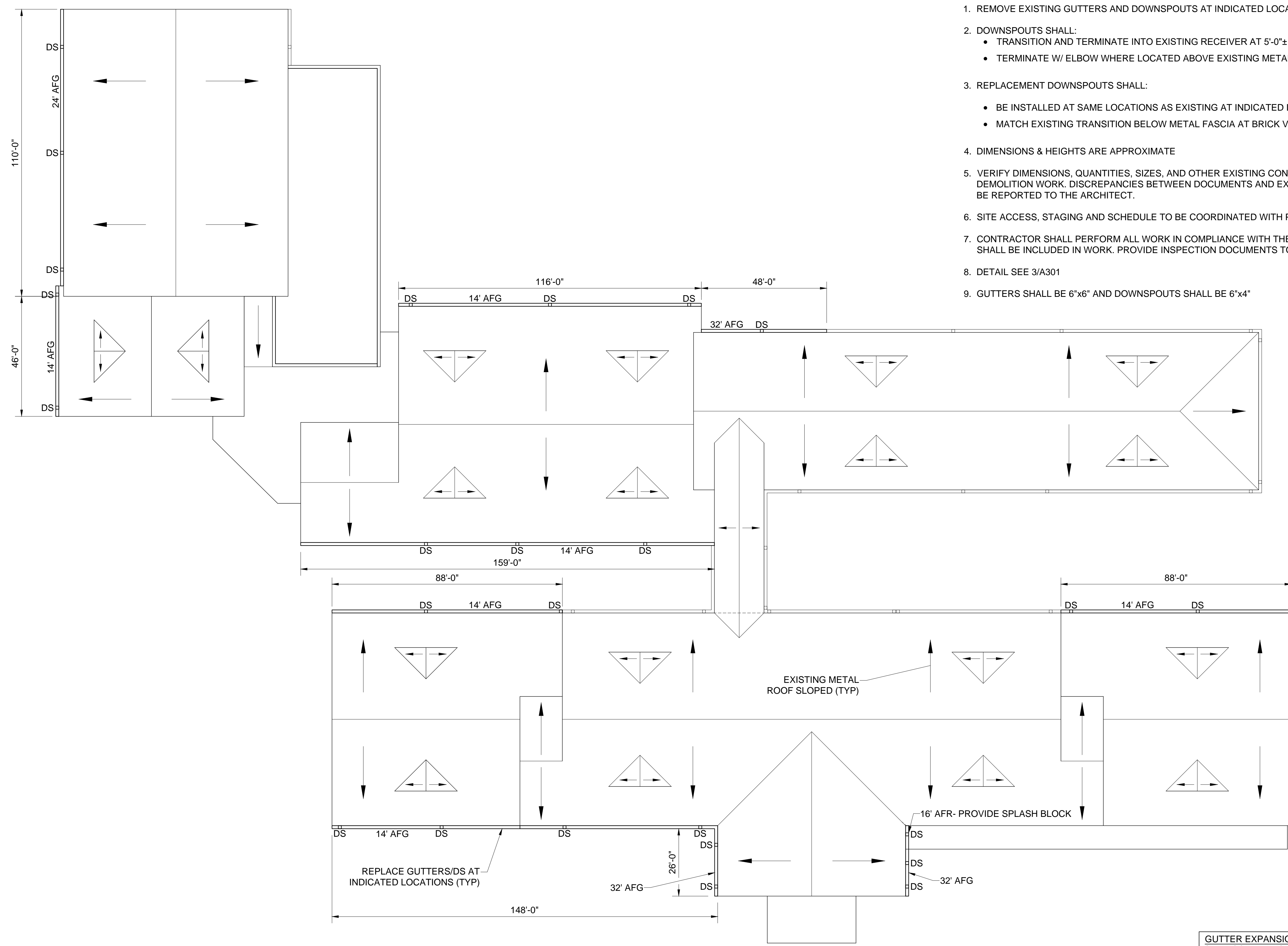Date: 9/5/23
Revisions:

EAST HENDERSON HIGH GUTTER REPLACEMENTS

A201

NOTES

1. REMOVE EXISTING GUTTERS AND DOWNSPOUTS AT INDICATED LOCATIONS

2. DOWNSPOUTS SHALL:
   - TRANSITION AND TERMINATE INTO EXISTING RECEIVER AT 5'-0"± AFG.
   - TERMINATE W/ ELBOW WHERE LOCATED ABOVE EXISTING METAL ROOF

3. REPLACEMENT DOWNSPOUTS SHALL:
   - BE INSTALLED AT SAME LOCATIONS AS EXISTING AT INDICATED LOCATIONS
   - MATCH EXISTING TRANSITION BELOW METAL FASCIA AT BRICK VENEER

4. DIMENSIONS & HEIGHTS ARE APPROXIMATE

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

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

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.

8. DETAIL SEE 3/A301

9. GUTTERS SHALL BE 6"x6" AND DOWNSPOUTS SHALL BE 6"x4"

EXISTING METAL ROOF SLOPED (TYP)

16' AFR- PROVIDE SPLASH BLOCK

REPLACE GUTTERS/DS AT INDICATED LOCATIONS (TYP)

PROJECT NORTH

HENDERSONVILLE MIDDLE GUTTER REPLACEMENTS
SCALE: 1"=20'-0"

THIS SHEET BASE BID

GUTTER EXPANSION JOINTS:
GUTTERS SHALL BE BOX STYLE SEAMLESS 0.032" ALUMINUM W/ EXPANSION JOINTS AT 50FT OC MAX. HANGERS SHALL BE 1½" WIDE 0.063" THICK 3105 ALLOY ALUMINUM AT 18" O/C, PER SMACNA

DOWNSPOUTS:
PROVIDE NEW 0.032" AL ALUMINUM PREFIN, DOWNSPOUTS. CONNECT TO SUB-GRADE STORM DRAINAGE SYSTEM. PROVIDE STANDOFF TYPE ATTACH TO STRUCTURE PROVIDING MIN 3/4" GAP BETWEEN BUILDING & DOWNSPOUT

COLOR:
PROVIDE SELECTION OF MANUFACTURER'S STANDARD COLORS.- MATCH EXISTING METAL ROOFING
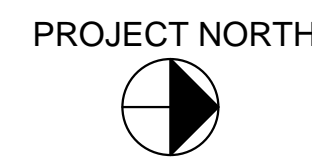
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HENDERSONVILLE MIDDLE GUTTER REPLACEMENTS

A202

NOTES

1. REMOVE EXISTING GUTTERS AND DOWNSPOUTS

2. DOWNSPOUTS SHALL:
   - TRANSITION AND TERMINATE INTO EXISTING 6"x4" BOOT AT GRADE.
   - TERMINATE W/ ELBOW WHERE LOCATED ABOVE EXISTING METAL ROOF

3. REPLACEMENT DOWNSPOUTS SHALL:
   - BE INSTALLED AT SAME LOCATIONS AS EXISTING
   - MATCH EXISTING TRANSITION BELOW METAL FASCIA AT BRICK VENEER AND AT 6"x4" BOOT
   - SECURE DOWNSPOUTS TO WALL:
     - 3 STRAPS MIN. @ 2 STORIES
     - 2 STRAPS MIN. @ OTHER LOCATIONS

4. GUTTERS ARE 12' AFG EXCEPT AS NOTED. HEIGHTS ARE APPROX.

5. DIMENSIONS & HEIGHTS ARE APPROXIMATE

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

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

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

9. DETAIL SEE 3/A301

10. GUTTERS SHALL BE 6"x6" AND DOWNSPOUTS SHALL BE 6"x4"

Dimensions and annotations (plan)

- 104'-0"
- 69'-0"
- 83'-0"
- 40'-0"
- 105'-0"
- 118'-0"
- 77'-0"
- 219'-0"
- 24' AFG
- 8' AFR
- VARIES
- 24' AFG
- EXISTING METAL ROOF SLOPE (TYP)
- 4' AFR
- 4' AFR
- 11'-0"
- 61'-0"
- 8' AFR
- 4' AFR
- 53'-0"
- 24' AFG
- 24' AFG
- 24' AFG
- 27'-0"
- 24' AFG
- 77'-0"
- 71'-0"
- 55'-0"
- 22'-0"
- 83'-0"
- 40'-0"

PROJECT NORTH

FLETCHER ELEMENTARY GUTTER REPLACEMENTS
SCALE: 1/16" = 1'-0"

THIS SHEET IS ALTERNATE NO. 1

52786
MARK LUSK ARCHITECTURE PLLC
REGISTERED ARCHITECTURE COMPANY
NORTH CAROLINA
SWANNANOA, NC

8685
MARK S. LUSK
4/5/23
NORTH CAROLINA
SWANNANOA, NC

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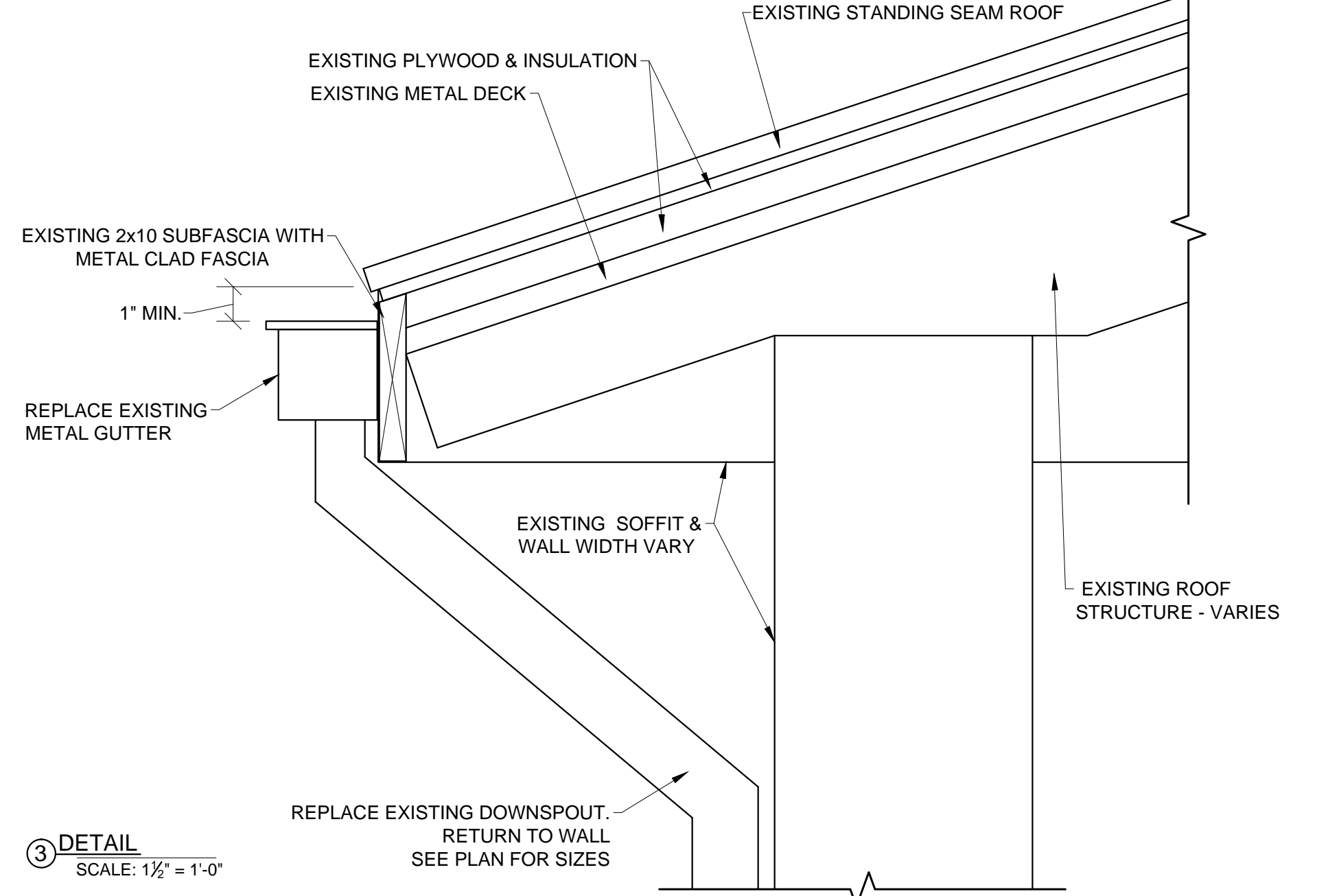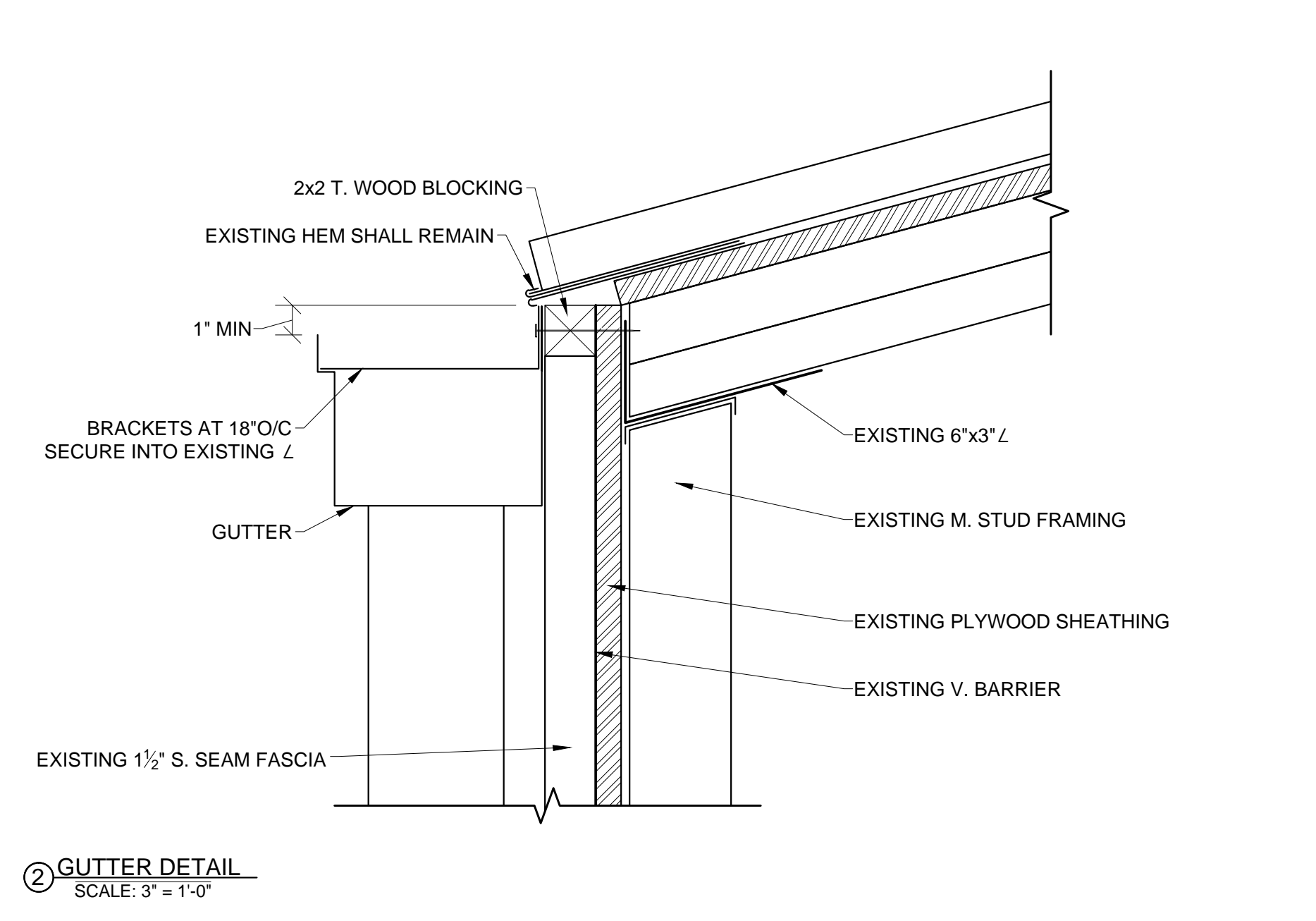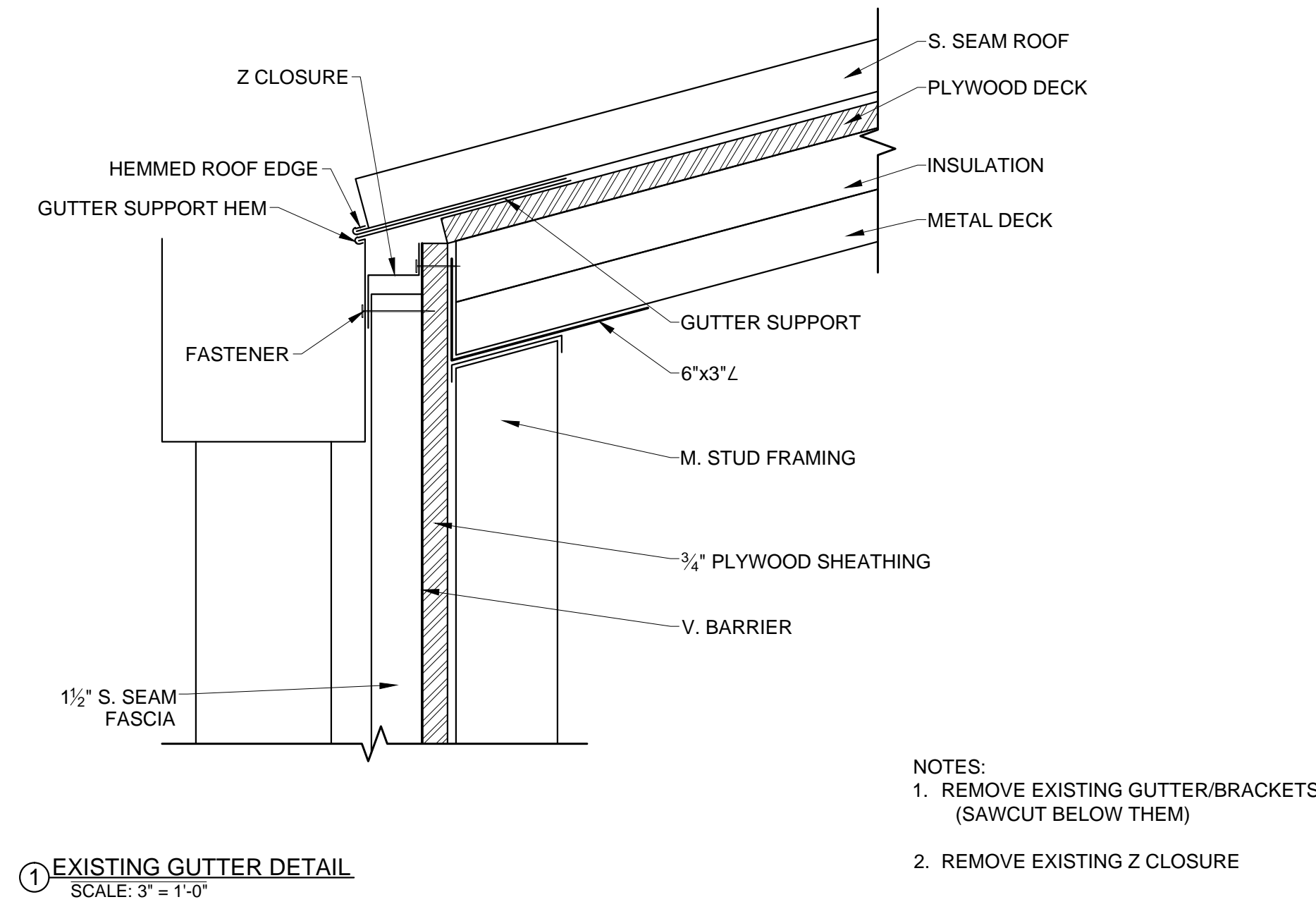
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PROVIDE NEW 0.032" ALUMINUM PREFIN. DOWNSPOUTS. CONNECT TO SUB-GRADE STORM DRAINAGE SYSTEM. PROVIDE STANDOFF TYPE ATTACH TO STRUCTURE PROVIDING MIN 3/4" GAP BETWEEN BUILDING & DOWNSPOUT
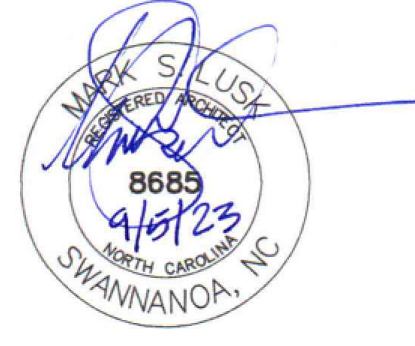
COLOR:
PROVIDE SELECTION OF MANUFACTURER'S STANDARD COLORS.- MATCH EXISTING METAL ROOFING

A203

DS (typical downspout markers throughout plan)

Detail 1 — Existing Gutter Detail

S. SEAM ROOF
Z CLOSURE
PLYWOOD DECK
HEMMED ROOF EDGE
INSULATION
GUTTER SUPPORT HEM
METAL DECK
FASTENER
GUTTER SUPPORT
6"x3"∠
M. STUD FRAMING
¾" PLYWOOD SHEATHING
V. BARRIER
1½" S. SEAM FASCIA

NOTES:
1. REMOVE EXISTING GUTTER/BRACKETS (SAWCUT BELOW THEM)
2. REMOVE EXISTING Z CLOSURE

1 — EXISTING GUTTER DETAIL
SCALE: 3" = 1'-0"

Detail 2 — Gutter Detail

2x2 T. WOOD BLOCKING
EXISTING HEM SHALL REMAIN
1" MIN.
BRACKETS AT 18"O/C SECURE INTO EXISTING ∠
GUTTER
EXISTING 6"x3"∠
EXISTING M. STUD FRAMING
EXISTING PLYWOOD SHEATHING
EXISTING V. BARRIER
EXISTING 1½" S. SEAM FASCIA

2 — GUTTER DETAIL
SCALE: 3" = 1'-0"

Detail 3 — Detail

EXISTING STANDING SEAM ROOF
EXISTING PLYWOOD & INSULATION
EXISTING METAL DECK
EXISTING 2x10 SUBFASCIA WITH METAL CLAD FASCIA
1" MIN.
REPLACE EXISTING METAL GUTTER
EXISTING SOFFIT & WALL WIDTH VARY
EXISTING ROOF STRUCTURE - VARIES
REPLACE EXISTING DOWNSPOUT. RETURN TO WALL SEE PLAN FOR SIZES

3 — DETAIL
SCALE: 1½" = 1'-0"

MARK LUSK ARCHITECTURE PLLC
REGISTERED ARCHITECTURE COMPANY
52786
NORTH CAROLINA
SWANNANOA, NC

MARK S. LUSK
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SWANNANOA, NC
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DETAILS

A301