GENERAL ROOF, METALS & SIDING NOTES

A. VALLEY FLASHING: .040 ALUMINUM.
B. STANDING SEAM METAL ROOF: .040 ALUMINUM IN DUTCH SEAM 11" WIDE (ATAS) OR EQUAL.
C. DRIP EDGES: .050 ALUMINUM.
D. ALL OTHER ROOF METALS (GUTTERS, DOWNSPOUTS, HEAD WALL AND MISC. FLASHINGS, FASCIA, SOFFIT, CRICKET, ETC.): .032 ALUMINUM (U.O.N.).
E. ALL ALUMINUM TO HAVE KYNAR FINISH. METAL ROOFING, RIDGE CAP, AND VALLEY FLASHING TO BE ATAS COLOR "COPPERTONE". ALL OTHER METALS (DRIP EDGES, GUTTERS, BRACKETS, DOWNSPOUTS, HEAD WALL FLASHING, CRICKETS, ETC.) TO BE ATAS COLOR "SIERRA TAN".
F. FIBER CEMENT TRIMS: JAMES HARDIE, FINISH "SMOOTH", COLOR "KHAKI BROWN" TO MATCH EXISTING.

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DS1: INDICATES EXISTING DOWNSPOUT

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R1. OPEN METAL VALLEY AT DORMERS, SEE 5/A15
R2. OPEN METAL VALLEY AT MAIN ROOF, SEE 5/A15 (SIM.)
R3. FORMED HIP (RIDGE) SHINGLE
R4. VENTED METAL RIDGE CAP AT DORMERS, SEE 3/A15
R5. VENTED METAL RIDGE CAP AT MAIN ROOF, SEE 4/A15
R6. REMOVE 3" FIBER CEMENT BASE TRIM, CUT SIDING, AND INSTALL NEW TRIM AT HIGHER ELEVATION. REMOVE AND REPLACE 8" HIGH STEPPED SIDEWALL FLASHING. REINSTALL OR REPLACE SIDING AS REQUIRED.
R7. INSTALL STANDING SEAM ROOF BELOW.
R8. 6" K-STYLE GUTTER AND BRACKET, TYP. UNDAMAGED MATERIALS MAY BE REINSTALLED.
R9. OMITTED
R10. AT HEAD WALL OF ALL DORMERS: CUT AND REMOVE BOTTOM PORTION OF SIDING. REMOVE AND INSTALL NEW HEAD WALL FLASHING. FLASHING TO RUN 8" UP WALL. SET SHINGLE IN ROOF CEMENT ON TOP OF SLOPED PORTION OF FLASHING.
R11. PROVIDE NEW FLASHINGS AT MEP PENETRATIONS. VERIFY QUANTITY AND LOCATION OF PENETRATIONS IN FIELD.

GENERAL ROOF DEMOLITION NOTES

A. REMOVE ENTIRE FIBERGLASS SHINGLE ROOFING SYSTEM INCLUDING SHINGLES, UNDERLAYMENTS, EXPOSED VALLEY FLASHINGS, EAVE DRIP EDGE METALS AND RAKE DRIP EDGE METAL. REMOVE PLUMBING VENT PIPE FLASHINGS AND BOILER COMBUSTION AIR/ VENT PIPE FLASHINGS. SELF-ADHERING ICE AND WATER SHIELD MAY REMAIN IN PLACE.
B. REMOVE ALL GUTTERS AND BRACKETS AT EAVES OF FIBERGLASS ROOFS. GUTTERS AND BRACKETS THAT ARE NOT DENTED OR OTHERWISE DAMAGED DURING REMOVAL MAY BE REUSED.
C. REMOVE ENTIRE STANDING SEAM METAL ROOFING SYSTEM AT ALL DORMERS. THIS INCLUDES UNDERLAYMENTS, FLASHINGS, EAVE DRIP EDGE METALS AND RAKE DRIP EDGE METAL. SELF-ADHERING ICE AND WATER SHIELD MAY REMAIN IN PLACE.

GENERAL ROOF CONSTRUCTION NOTES

A. THIS IS A REMEDIATION PROJECT; EVERY UNIQUE DETAIL AND CONDITION CANNOT BE SPECIFICALLY ADDRESSED IN THESE DRAWINGS. CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE, WATERTIGHT, AESTHETICALLY PLEASING INSTALLATION. THE WORDS "PROVIDE" OR "INSTALL" WHEN USED THROUGHOUT THESE DOCUMENTS MEANS "SUPPLY AND INSTALL".
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C. PROVIDE 36" WIDE ICE AND WATER SHIELD ABOVE NEW 3/4" PLYWOOD AT EAVES, RAKES, AND VALLEYS AT MAIN ROOF. PROVIDE NEW FIBERGLASS SHINGLES, ROOF METALS, AND EAVE/RIDGE VENTING PER DETAILS.
D. PROVIDE HIGH TEMPERATURE ICE AND WATER SHIELD ABOVE NEW 3/4" PLYWOOD TO COVER ALL DORMERS. PROVIDE NEW STANDING SEAM METAL ROOF, METAL ACCESSORIES, UNDERLAYMENTS, AND EAVE/RIDGE VENTING PER DETAILS.
E. REINSTALL ALL GUTTERS AND BRACKETS HIGHER ON FASCIA TO COMPENSATE FOR 2-1/4" OF ADDITIONAL ROOF THICKNESS. PROVIDE LONGER ELBOWS/CONNECTORS TO CONNECT GUTTERS TO EXISTING DOWNSPOUTS TO REMAIN. PAINT EXISTING FIBER CEMENT FASCIA AS REQUIRED. CONSULT WITH ARCHITECT PRIOR TO PAINTING.

ICE & WATER SHIELD NOTE

A. WHERE "ICE & WATER SHIELD" IS CALLED OUT, PROVIDE GAF WEATHERWATCH.
B. WHERE "HIGH TEMP. ICE & WATER SHIELD" IS CALLED OUT, PROVIDE GAF STORMGUARD.

SPECIFICATIONS

ROUGH CARPENTRY

A. ROOF SHEATHING SHALL BE APA RATED PLYWOOD SHEATHING, 23/32" THICK, 48/24 SPAN RATING. PLYWOOD SHALL MEET STRUCTURAL I AND II C-C EXTERIOR APA REQUIREMENTS. ALL PLYWOOD TO HAVE EXTERIOR GLUE.
B. NAIL PLYWOOD WITH 10d AT 6" O.C. AT EDGES AND INTERMEDIATE FRAMING WITH 1-1/2" MINIMUM PENETRATION.

FIBERGLASS SHINGLES AND ROOF METALS

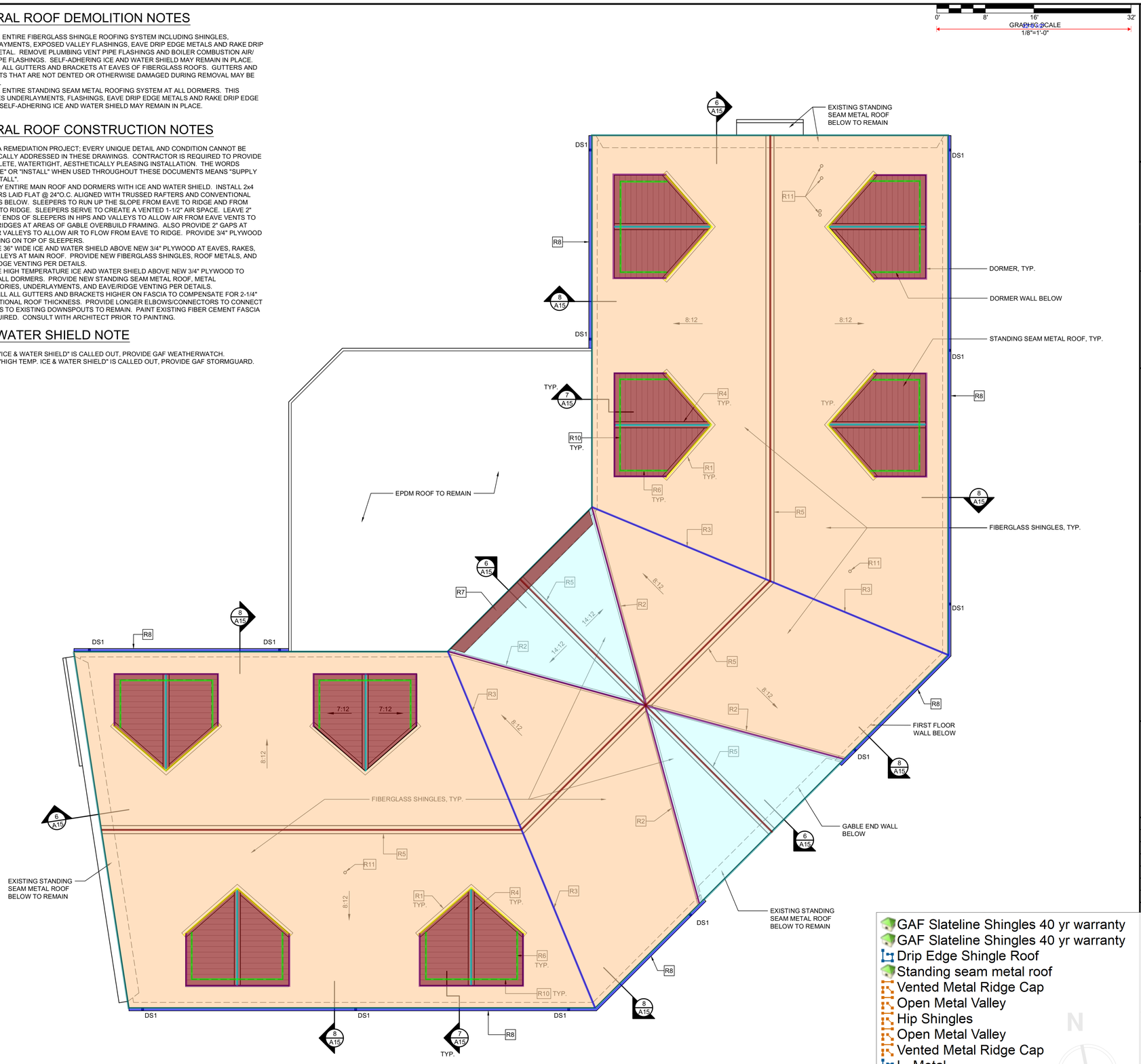
A. PROVIDE GAF SLATELINE SHINGLES. COLOR: WEATHERED SLATE. PROVIDE MATCHING HIP (RIDGE) SHINGLES. SHINGLES TO BE INSTALLED ON MANUFACTURER'S SYNTHETIC UNDERLAYMENT REQUIRED TO OBTAIN SPECIFIED WARRANTEES. PROVIDE ICE AND WATER SHIELD (SELF-ADHERING SHEET UNDERLAYMENT) WHERE NOTED. PROVIDE HIGH-TEMP ICE AND WATER SHIELD WHERE LAPPING UNDER STANDING SEAM ROOFING. .
B. PROVIDE ROOF METALS, GUTTERS, DOWNSPOUTS, FLASHING, ETC. IN MATERIALS AND FINISH AS INDICATED ON DRAWINGS. INSTALL ALL METALS PER SMACNA STANDARDS. ROOF METALS MAY BE PROVIDED BY STANDING SEAM ROOF MANUFACTURER.
C. PROJECT LOCATION HAS A 115 MPH BASIC WIND SPEED. ALL INSTALLATION DETAILS AND WARRANTEES MUST MEET THIS CRITERIA.
D. WARRANTEE: PROVIDE 40 YEAR MANUFACTURING DEFECTS WARRANTEE (FIRST 20 YEARS NON-PRORATED) IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE SHINGLES.
E. WARRANTEE: PROVIDE MANUFACTURER'S WIND SPEED WARRANTEE THAT SHINGLES WILL RESIST BLOW-OFF OR DAMAGE CAUSED BY WIND SPEEDS UP TO 115 MPH FOR 15 YEARS.
F. WARRANTEE: PROVIDE MANUFACTURER'S ALGAE DISCOLORATION WARRANTEE FOR 10 YEARS.
G. WARRANTEE: PROVIDE 5 YEAR ROOF INSTALLER'S WARRANTEE STATING THAT ROOFER WILL, AT HIS OWN COST AND EXPENSE, MAKE OR CAUSE TO BE MADE SUCH REPAIRS TO OR REPLACEMENTS OF SAID WORK AS ARE NECESSARY TO CORRECT FAULTY AND DEFECTIVE WORK AND AS ARE NECESSARY TO MAINTAIN SAID WORK IN WATERTIGHT CONDITION.

STANDING SEAM ROOFING AND ROOF METALS

A. PROVIDE FACTORY FORMED METAL ROOF PANELS: STANDING SEAM WITH HIDDEN FASTENERS.
   1. PANELS FORMED WITH INTEGRAL RIBS AT PANEL EDGES AND FLAT PAN BETWEEN RIBS; DESIGNED FOR SEQUENTIAL INSTALLATION BY MECHANICALLY ATTACHING PANELS TO SUPPORTS USING CONCEALED CLIPS LOCATED UNDER ONE SIDE OF PANEL AND LAPPING AND INTERCONNECTING SIDE EDGES OF ADJACENT PANELS.
   2. BASIS OF DESIGN: ATAS DUTCH SEAM MRD110, SMOOTH TEXTURE, 11" PAN COVERAGE, 1-1/2' SEAM HEIGHT.
   3. PANELS TO HAVE CLASS A FIRE RATING.
   4. PROVIDE MATERIALS, GAGES AND KYNAR FINISH AS INDICATED ON DRAWINGS.
C. PROVIDE ROOF METALS, GUTTERS, DOWNSPOUTS, FLASHING, ETC. PROVIDE MATERIALS, GAGES AND KYNAR FINISH AS INDICATED ON DRAWINGS.
D. PROVIDE SELF-ADHERING, HIGH-TEMPERATURE SHEET UNDERLAYMENT (ICE AND WATER) TESTED PER ASTM D1970 WHERE NOTED IN DRAWINGS. BASIS OF DESIGN: GAF STORM GUARD.
E. PROVIDE ASPHALT FREE FELT UNDERLAYMENT THROUGHOUT. BASIS OF DESIGN: ATAS ATA-GUARD.
F. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE SHEET METAL ROOFING ASSEMBLY INCLUDING TRIM, COPINGS, FASCIA, CORNER UNITS, RIDGE CLOSURES, CLIPS, FLASHINGS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS. MATCH MATERIAL AND FINISH OF SHEET METAL ROOFING UNLESS OTHERWISE INDICATED.
G. COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" AND NRCA WATERPROOFING MANUAL AND MANUFACTURER'S INSTALLATION GUIDELINES.
H. ALL FASTENERS MUST COMPLY WITH MANUFACTURER'S REQUIREMENTS. ANY EXPOSED FASTENERS MUST HAVE HEADS MATCHING COLOR OF SHEET METAL ROOFING.
I. PROJECT LOCATION HAS A 115 MPH BASIC WIND SPEED. ALL INSTALLATION DETAILS (CLIPS, FASTENERS, CLIP SPACING, ETC.) AND WARRANTEES MUST MEET THIS CRITERIA.
J. WARRANTEE: PROVIDE FINISH WARRANTEE FOR 30 YEARS.
K. WARRANTEE: PROVIDE 5 YEAR ROOF INSTALLER'S WARRANTEE STATING THAT ROOFER WILL, AT HIS OWN COST AND EXPENSE, MAKE OR CAUSE TO BE MADE SUCH REPAIRS TO OR REPLACEMENTS OF SAID WORK AS ARE NECESSARY TO CORRECT FAULTY AND DEFECTIVE WORK AND AS ARE NECESSARY TO MAINTAIN SAID WORK IN WATERTIGHT CONDITION.

FIBER CEMENT SIDING/TRIMS

A. ALL FIBER CEMENT TO BE HZ5 BY JAMES HARDIE.
B. COMPLY WITH MANUFACTURER'S FASTENING REQUIREMENTS IN CURRENT ESR REPORT FOR A 115 MPH BASIC WIND SPEED.
C. INSTALLATION TO BE IN CONFORMANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING PROVIDING FLASHING TO BACK UP BUTT JOINTS AND ALL SEALANT RECOMMENDATIONS.
D. WARRANTEE: PROVIDE MANUFACTURER'S LABOR AND MATERIAL WARRANTEE FOR FINISH DEFECTS FOR 15 YEARS.
E. WARRANTEE: PROVIDE MANUFACTURER'S LIMITED PRODUCT WARRANTEE FOR MANUFACTURERS MATERIAL AND WORKMANSHIP AS FOLLOWS:
   1. SIDING, SOFFIT, PANELS: 30 YEARS
   2. TRIMS: 15 YEARS



2 **ROOF PLAN**
Scale: 1/8"=1'-0"

GAF Slateline Shingles 40 yr warranty	10962.0 SQ FT
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Drip Edge Shingle Roof	519.5 FT
Standing seam metal roof	2014.8 SQ FT
Vented Metal Ridge Cap	128.6 FT
Open Metal Valley	179.5 FT
Hip Shingles	140.7 FT
Open Metal Valley	143.7 FT
Vented Metal Ridge Cap	260.0 FT
L- Metal	246.6 FT
6" K-Style Gutter and bracket	283.8 FT
Metal Roof Drip Edge	274.7 FT

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SEAL/SIGNATURE BLOCK

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DATE: 4/6/20	JOB NO. 1613

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ROOF PLAN -REPLACEMENT

A14

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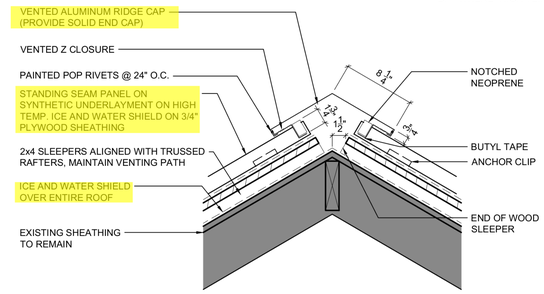
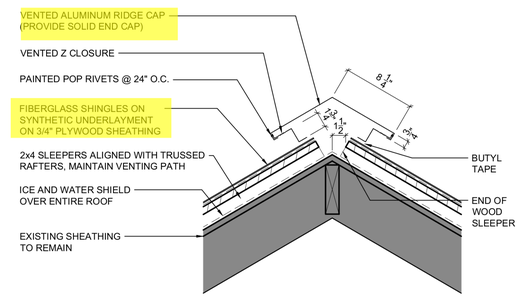
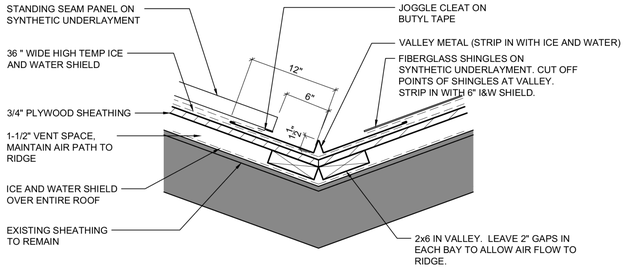


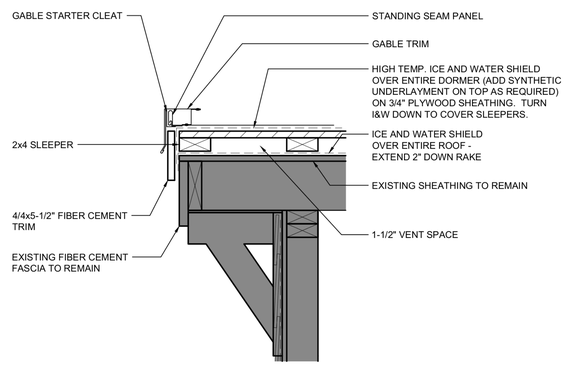
3 VENTED RIDGE CAP
Scale: 1 1/2"=1'-0"



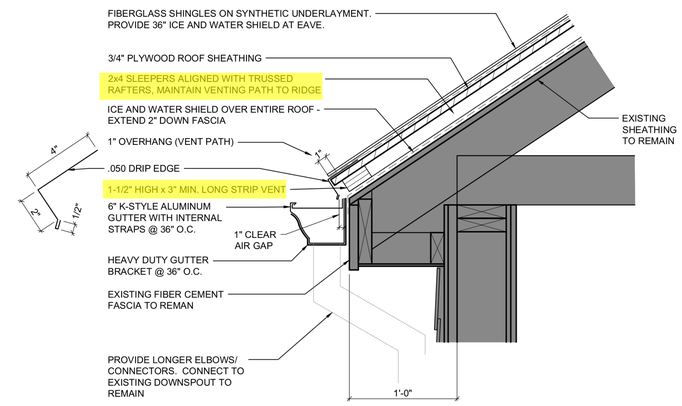
4 VENTED RIDGE CAP
Scale: 1 1/2"=1'-0"



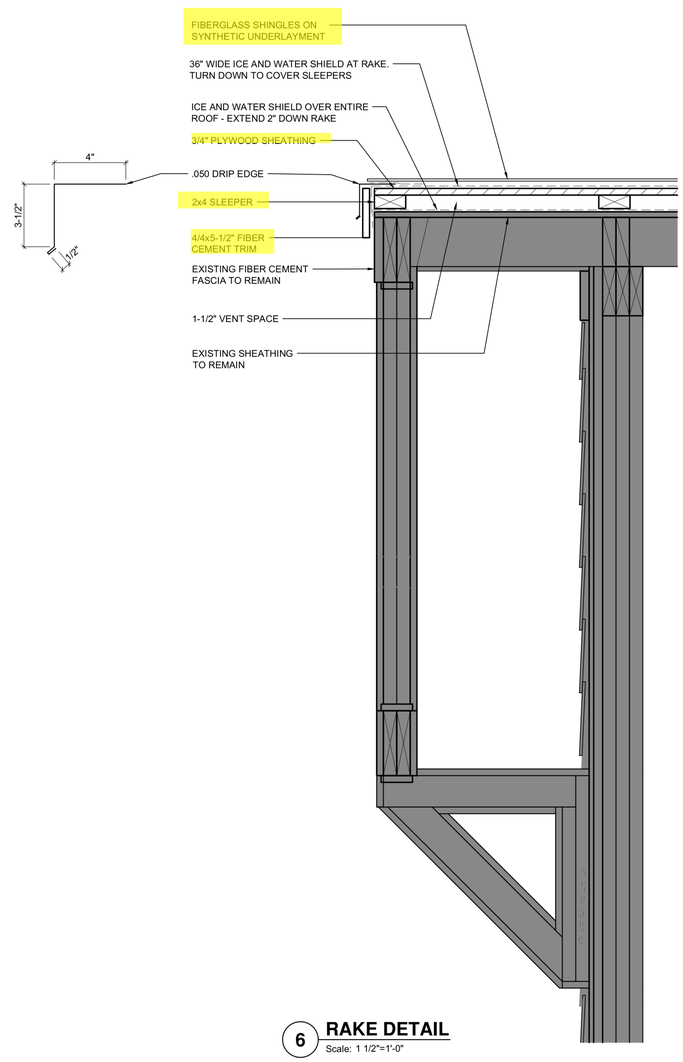
5 EXPOSED VALLEY
Scale: 1 1/2"=1'-0"



7 DORMER GABLE END
Scale: 1 1/2"=1'-0"



8 EAVE DETAIL
Scale: 1 1/2"=1'-0"



6 RAKE DETAIL
Scale: 1 1/2"=1'-0"

LEGEND

EXISTING CONSTRUCTION TO REMAIN

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N

ROOF DETAILS -REPLACEMENT-

A15