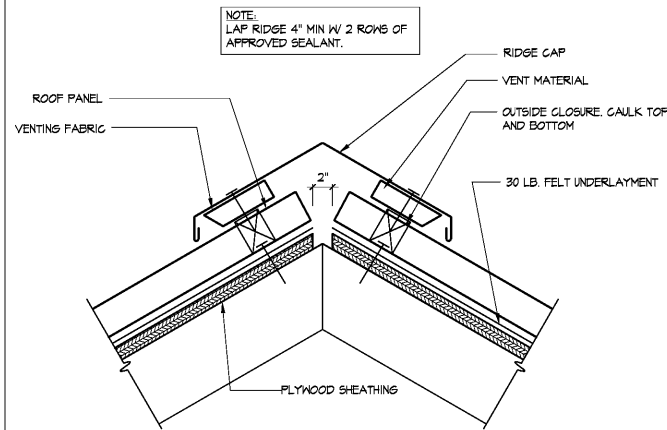
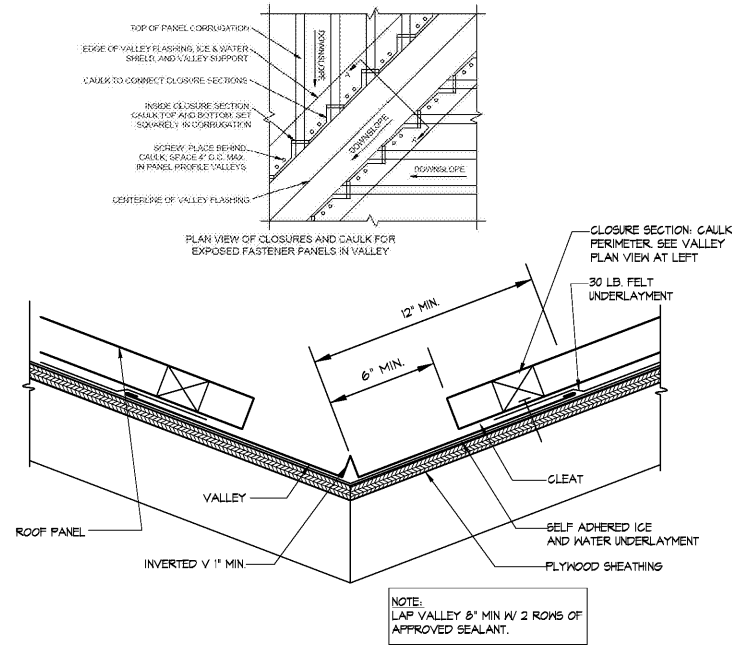


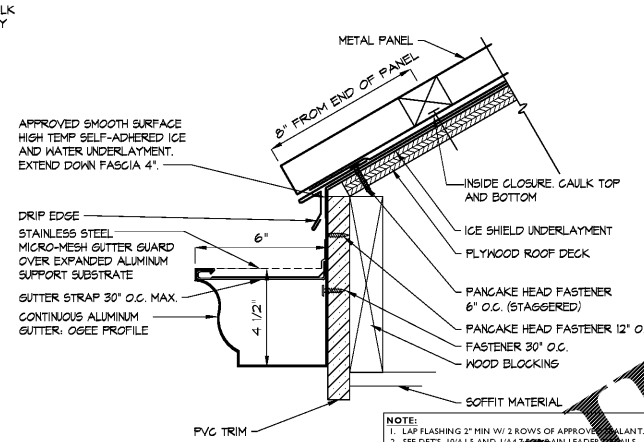
P:\CLIENT FILES\Strickland Brothers Oil Change\20-127-000-SB-GemCap-Graham, NC\06-CD's-20-127-Graham\A-1.3 ROOF PLAN.dwg, Plotted By: wworntsoff, Plotted: Jun 09, 2020 - 9:03am



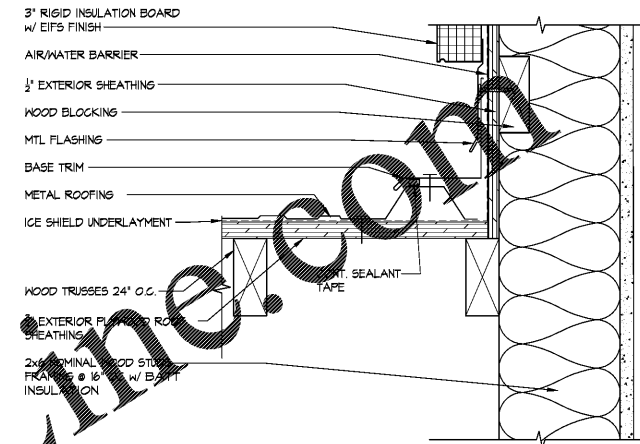
2 VENTED RIDGE
SCALE: NTS



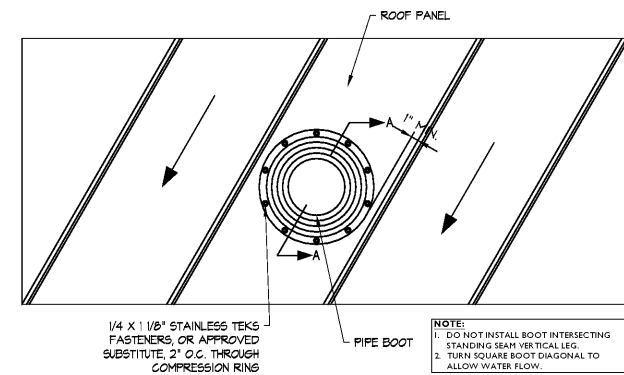
3 VALLEY
SCALE: NTS



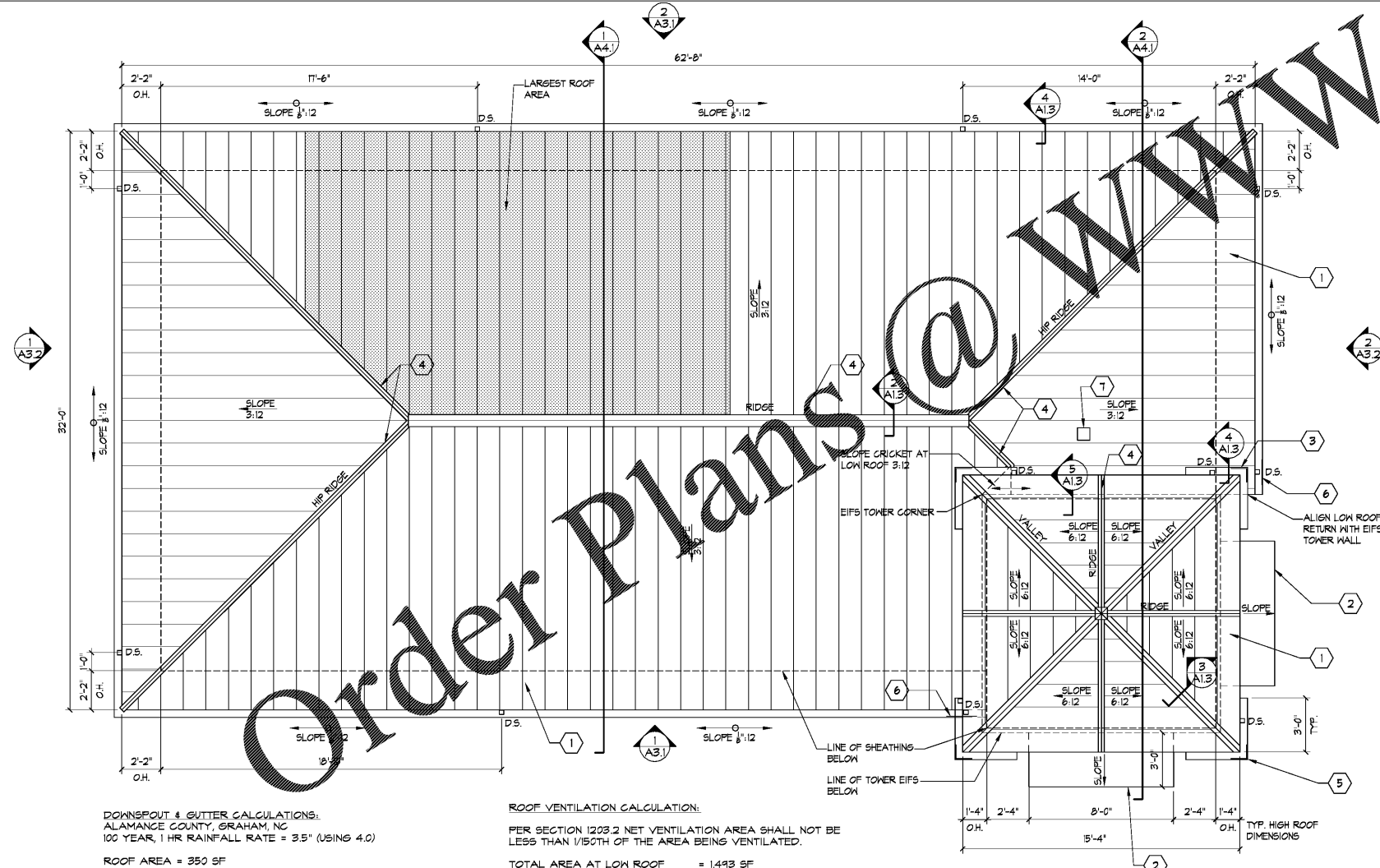
4 FASCIA AT GUTTER
SCALE: NTS



5 ROOF TO WALL DETAIL
SCALE: 3" = 1'-0"



6 PIPE BOOT
SCALE: NTS



1 ROOF PLAN
SCALE: 1/4" = 1'-0"

DOWNSPOUT & GUTTER CALCULATIONS:
ALAMANCE COUNTY, GRAHAM, NC
100 YEAR, 1 HR RAINFALL RATE = 3.5" (USING 4.0)

ROOF AREA = 350 SF

DOWNSPOUTS:
ESTIMATED RAINFALL = 4" INCHES PER HOUR
TABLE 1106.2(2):
A 3"x4" DOWNSPOUT = 3,300 SF > 350 SF

GUTTERS:
ESTIMATED RAINFALL = 4" INCHES PER HOUR
TABLE 1106.6:
A 4" DIA. SEMI-CIRCLE GUTTER AT 1% SLOPE = 510 SF > 350 SF

ROOF VENTILATION CALCULATION:

PER SECTION 1203.2 NET VENTILATION AREA SHALL NOT BE LESS THAN 1/150TH OF THE AREA BEING VENTILATED.

TOTAL AREA AT LOW ROOF = 1493 SF
1493 SF x 1/150 = 10.0 SF REQUIRED
86 LF RIDGE & HIP VENT X 2" = 14.3 SF PROVIDED
SOFFIT VENTS: 0.5 SF EVERY 2 LF (144 LF) = 37 SF PROVIDED

TOTAL AREA AT HIGH ROOF = 600 SF
600 SF x 1/150 = 4.0 SF REQUIRED
24 LF RIDGE VENT X 2" = 4.0 SF PROVIDED
SOFFIT VENTS: 0.5 SF EVERY 2 LF (50 LF) = 12.5 SF PROVIDED

ROOF PLAN KEY NOTES:

- 1 METAL R-PANEL ROOFING. COLOR TO MATCH BERRIDGE CHARCOAL GRAY. GUTTERS AND DOWNSPOUTS TO MATCH ROOFING COLOR.
- 2 FABRIC AND METAL FRAMED ANNING BY FRENCH ANNING & SCREEN CO. INC (601-422-132-TOM WALLACE) OR OWNER APPROVED EQUAL. PROVIDE ALUMINUM TUBE FRAMES WITH FABRIC COLOR TO MATCH METAL ROOFING COLOR. PROVIDE MATCHING HEAD FLASHING. ANNING VENDOR TO DESIGN AND PERMIT SEPARATELY.
- 3 PROVIDE EAVE GUTTER SLOPED MIN. 1/8" PER FOOT TO DOWNSPOUTS.
- 4 PROVIDE CONT. RIDGE OR HIP VENT.
- 5 PROVIDE 8"x8" CORNER GUTTER BAFFLE 3" ABOVE GUTTER TOP EDGE TO PREVENT ROOF DRAINAGE OVERFLOW AT VALLEYS.
- 6 PROVIDE 12" LONG GUTTER BAFFLE 3" ABOVE TOP EDGE TO PREVENT ROOF DRAINAGE OVERFLOW AT TOWER WALL.
- 7 TOILET EXHAUST VENT. COORDINATE WITH MECH. DRWS. MATCH ROOF COLOR AND SEAL ALL PENETRATIONS WATER TIGHT PER ROOFING MFRS. RECOMMENDATIONS.

THE ARCHITECT/ENGINEER DOES NOT DEFINE THE SCOPE OF INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS, OR VENDORS. ANY SHEET NUMBERING SYSTEM USED WHICH IDENTIFIES DISCIPLINES IS SOLELY TO SEPARATE ARCHITECT'S AND ENGINEER'S SCOPE. IT DOES NOT DEFINE A SUBCONTRACTOR'S SCOPE OF WORK. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, CODES OR CONSTRUCTION SEQUENCING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING. NO CONSIDERATION WILL BE GIVEN TO REQUESTS FOR CHANGE ORDERS FOR FAILURE TO OBTAIN AND REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS, OR FOR FAILURE TO SEEK INTERPRETATION FROM ARCHITECT FOR DISCREPANCIES.



STRICKLAND BROTHERS
10 MINUTE OIL CHANGE
810 SOUTH MAIN STREET
GRAHAM, NC



ISSUE DATE: 6/5/20
REVISION 1: ---
REVISION 2: ---
REVISION 3: ---
REVISION 4: ---
PROJECT #: 20-127
CONTENT: ROOF PLAN & DETAILS
PROJECT ARCHITECT: ECE
DRAWN BY: VW
CADD FILE NAME: 20-127.CDS4.1.3

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Sheet

A-1.3

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