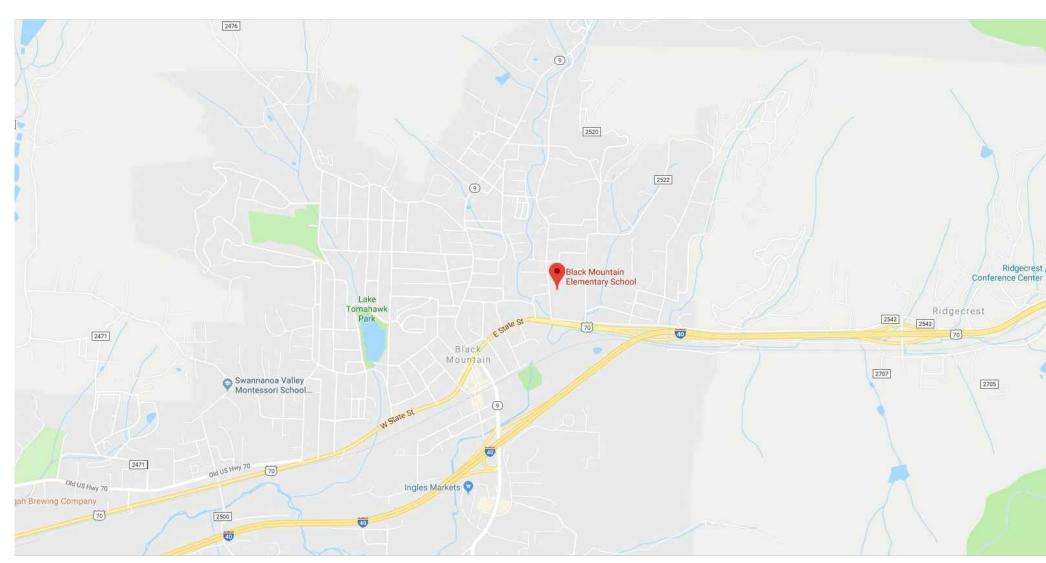
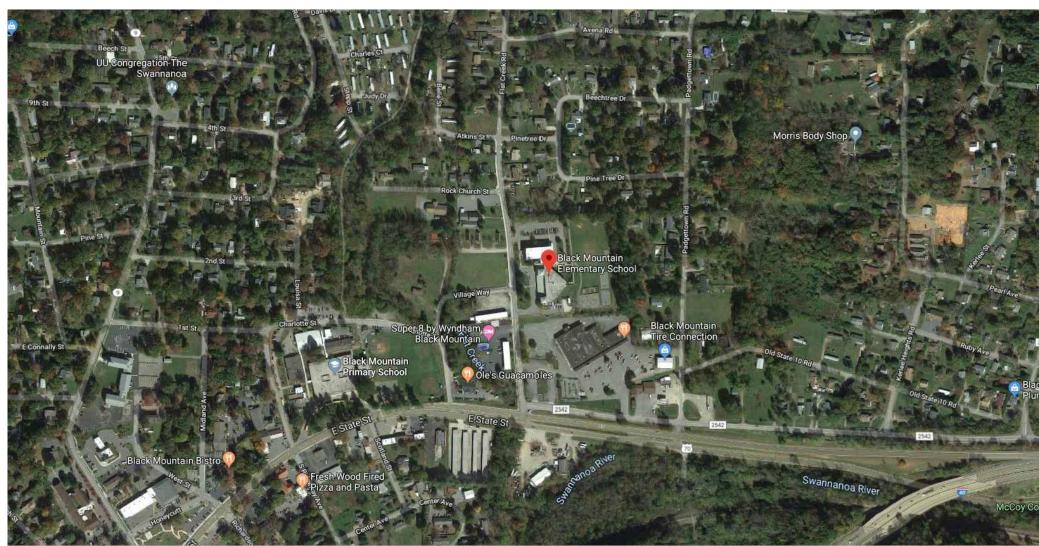


Project Location



VICINITY MAP



LOCATION MAP

Black Mountain Elementary Metal Retrofit Roof Recover Project

Buncombe County Schools

100 Flat Creek Road Black Mountain, NC 28711

Abbreviatio	ns
MAX. MAXIN MIN. MINIMU N.I.C NOT IN O.C. ON CE TYP. TYPICA SIM. SIMILA	JM I CONTRACT NTER AL
Details / Ele	vations / Sections Identifier
Details / Ele	vations / Sections Identifier ELEVATION/DETAIL/SECTION LABEL SHEET SHOWN ON SHADING IDENTIFIES EXISTING

Index of Drawings	- lerracon
GeneralG-101Cover SheetG-102Appendix BArchitecturalA-101Roof PlanA-201DetailsA-202Details	Consulting Engineers and Scientists 2701 Westport Road Charlotte, North Carolina p: 704.509.1777 Project No. FH196034 Terracon NC License No.: F-0869 terracon.com ENGINEER STATE LICENSE SEAL
	Buncombe County Schools Buncombe County Schools Black Mountain Elementary Metal Retrofit Roof Becover Project I Too Flat Creek Road 100 Flat Creek Road Black Mountain, NC 2871
CLIENT	O7.10.2019 ISSUE FOR: SCHEMATIC DOCUMENTS NOT FOR CONSTRUCTION ADDENDUM: No: DATE: DESCRIPTION:
 BUNCOMBE COUNTY SCHOOLS 175 Bingham Road Asheville, North Carolina 28806 ENGINEERING CONSULTANT TERRACON CONSULTANTS, INC. 2701 Westport Road PROJECT CONTACT: Jeff H. Poe Jr., PE, MSCE, RRC Project Engineer/Facilities e: jeff.poe@terracon.com p: 704.594.8939 	PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: IMM APR REVIEWER: TERRACON'S PROJECT NUMBER: FH196034 SHEET TITLE: COVER SHEET
TECCONSULTING Engineers and Scientists	sheet number:

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL ROOF PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)	NO CHANGE
Name of Project:Black Mountain Elementary Metal Retrofit Roof Recover Project Address:100 Flat Creek Road, Black Mountain, NC ZipCode:28711	Structural frame, including columns, girders, trusses
Proposed Use: N/A Owner or Authorized Agent: BUNCOMBE COUNTY SCHOOLS Owned By: BUNCOMBE COUNTY SCHOOLS Odd City/County Private State Code Enforcement Jurisdiction: City	DESIGN LOADS: Wind Uplift Reactance (T BASIC WIND SPEED 12 EXPOSURE CATEGORY B
LEAD DESIGN PROFESSIONAL: DESIGN FIRM*	DESIGN PRESSURE (PSF) FIELD PERIMETER PERIMETER WIDTH CORNER CORNER DIMENSION
LICENSE # 045268 TELEPHONE # 704.509.1777 E-MAIL jeff.poe@terracon.com 2018 EDITION OF NC CODE FOR: □ Roof Replacement ■ Roof Recover-Level 1 Alteration □ Roof Repair CONSTRUCTED: (date) 1999	DEAD LOADS: EXISTING ROOF LOAD REPLACEMENT ROOF L NET LOAD CHANGE SNOW LOAD:20_
RECOVER: (date) N/A BASIC BUILDING DATA Construction Type: I-A II-A IV V-A (check all that apply) I-B II-B III-B V-B Mixed construction: No Yes Types N/A Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D Standpipes: No Yes Class I II III Wet Dry Fire District: No Yes 30 Solution Soluti	ENERGY REQUIREMENTS: THE FOLLOWING DATA SHALL BE CONSIL CAROLINA ENERGY CONSERVATION CODE PORTIONS OF THE PROJECT INFORMATIC COST FOR THE STANDARD REFERENCE Climate Zone: 3 Method of Compliance: Prescriptive (El Performance (El
OCCUPANCY: Assembly Business Educational Factory F-1 and F-2 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional Mercantile Residential R-1 R-2 R-3 R-4 Storage S-1 S-2	Prescriptive (A: Performance (A: Performance (A: THERMAL ENVELOPE ROOF/CEILING ASSEMBLY (EACH AS DESCRIPTION OF ASSEMBL U-VALUE OF TOTAL ASSEM R-VALUE OF INSULATION: SKYLIGHTS IN EACH ASSEM U-VALUE OF SKYLIGHT: N TOTAL SQUARE FOOTAGE (
Utility and Miscellaneous 🗌 Parking Garage. Repair Garage	EXISTING SYSTEM CALCULATION: NO CHANGES TO DRAINAGE AREAS MODIFICATION TO EXISTING SYSTEM: CURRENTLY DRAINS OVER EAVES. NEW
	NEW (WHERE NONE EXISTS) SECONDAR

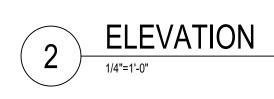
FIRE PROTECTION RE	QUIREMENTS	
FIRE SEPARATION DISTANCE. (FEET)	DETAIL # AND SHEET	DESIGN # FOR RATED ASSEMBLY
N/A	N/A	N/A
STRUCTURAL D	ESIGN	
(This section to be duplicated for 120 MPH (ASCE-7-10) B SF): 34 PSF 52 PSF 73 PSF 4 x 4 FT	each distinct roof are	a)
AD 2 Ibs PSF F LOAD 2.6 Ibs PSF 2.6 Ibs PSF		
<u>0</u> PSF		
ENERGY SUMM	IARY	
NSIDERED MINIMUM AND ANY SPECIAL ATTR DDE SHALL ALSO BE PROVIDED. EACH DES ATION FOR THE PLAN DATA SHEET. IF PER SE DESIGN VS ANNUAL ENERGY COST FOR	IGNER SHALL FURNISH THE F FORMANCE METHOD, STATE T	REQUIRED
4 5		
: (Energy Code) R–20 (Energy Code) R–20 (ASHRAE 90.1) (ASHRAE 90.1)		
ASSEMBLY) IBLY: NEW METAL ROOF, NEW 4 INCHES F EXISTING METAL ROOF, 3 INCHES BA SEMBLY: .038 IN: 26 ISEMBLY: N/A : N/A	POLYSIOCYANRATE INSULATION, TT INSULATION	
E OF SKYLIGHTS IN EACH ASSEMBLY: N/A	SQ.FT.	

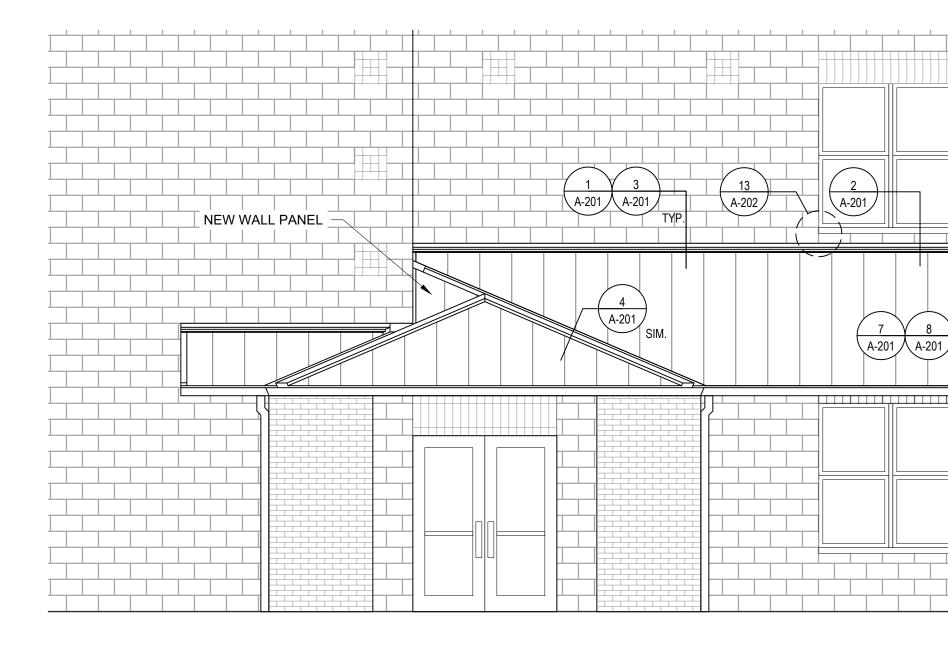
ROOF DRAINAGE SYSTEM DESIGN CALACULATION/SIZING

W GUTTERS AND DOWNSPOUTS WILL BE ADDED TO EAVES

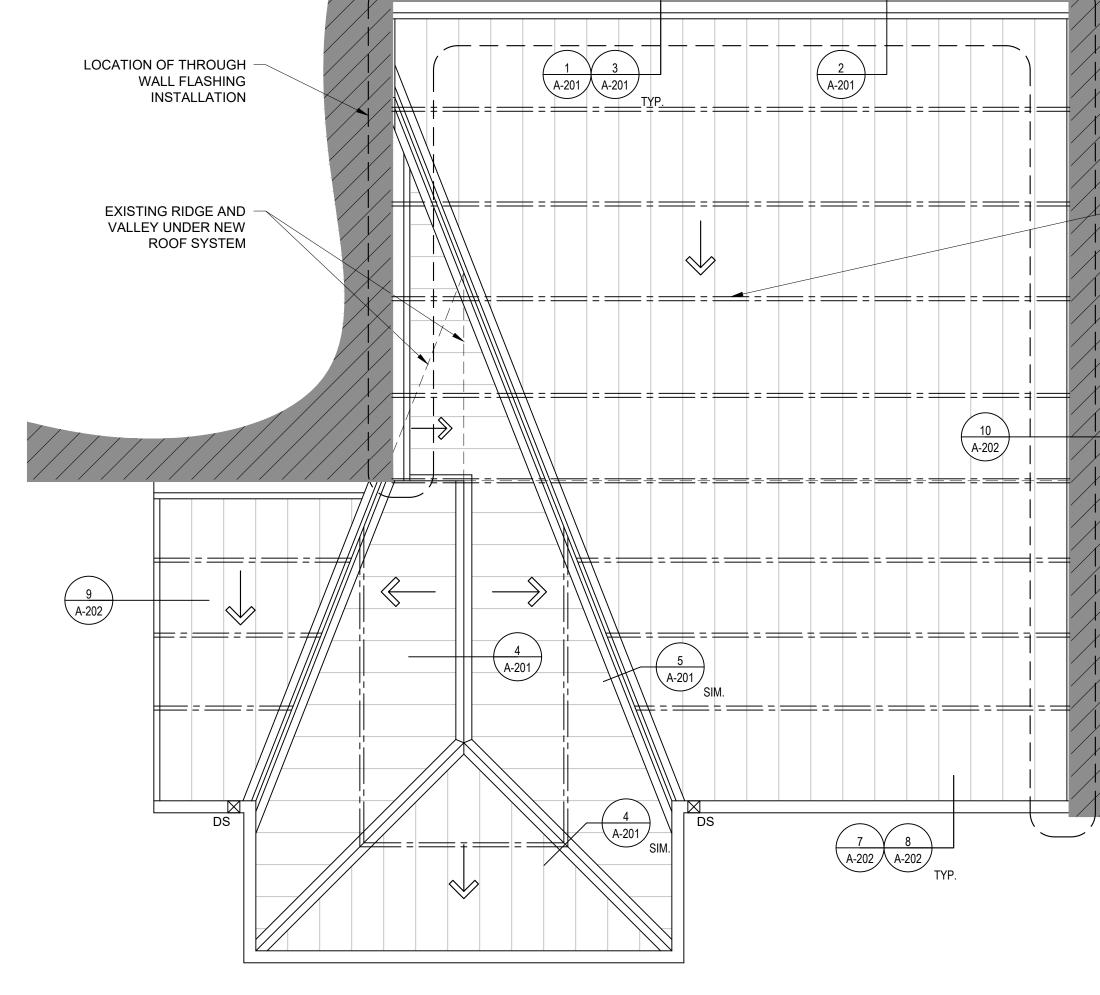
RY SYSTEM: NOT APPLICABLE

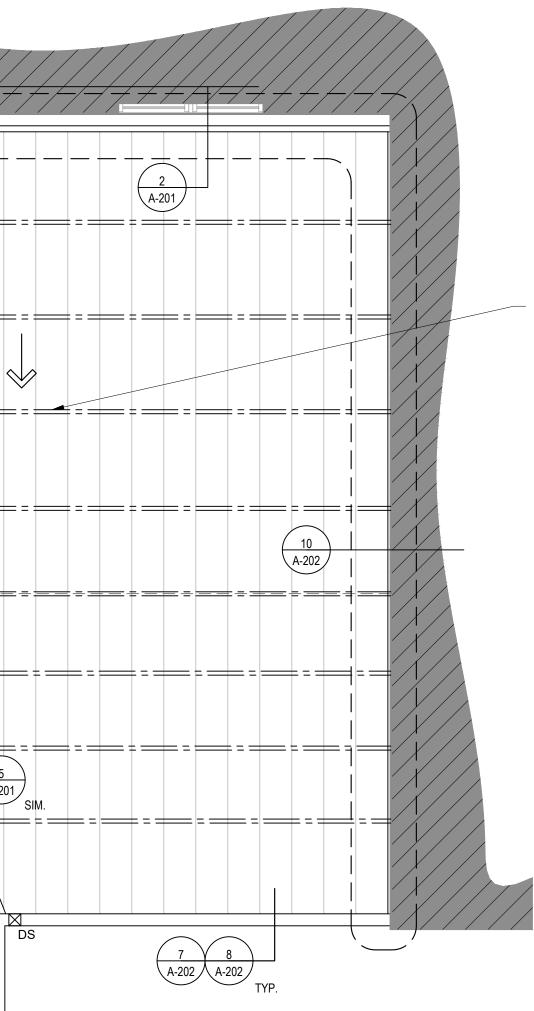
Consulting Engineers and Scientists Consulting Engineers and Scientists 2701 Westport Road Charlotte, North Carolina p: 704.509.1777 Project No. FH196034 Terracon NC License No.: F-0869 terracon.com
SEAL MARCARO SEAL O45268 MARCARO NO.0 SEAL MARCARO N. N. N. N. N. N. N. N. N. N.
PROJECT NAME AND ADDRESS:
Buncombe County Schools Back Mountain Elementary Metal Retrofit Roof Recover Project In Freier Roof Back Mountain, NC 2871
07.10.2019
ISSUE FOR: SCHEMATIC DOCUMENTS NOT FOR CONSTRUCTION
ADDENDUM: No.: DATE: DESCRIPTION:
PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: IMM APR REVIEWER:
TERRACON'S PROJECT NUMBER: FH196034
SHEET TITLE: APPENDIX B
sheet number: G-102







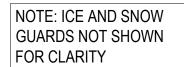




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0 2'

LOCATION OF PURLINS BELOW



- 1 VIII 211177

