

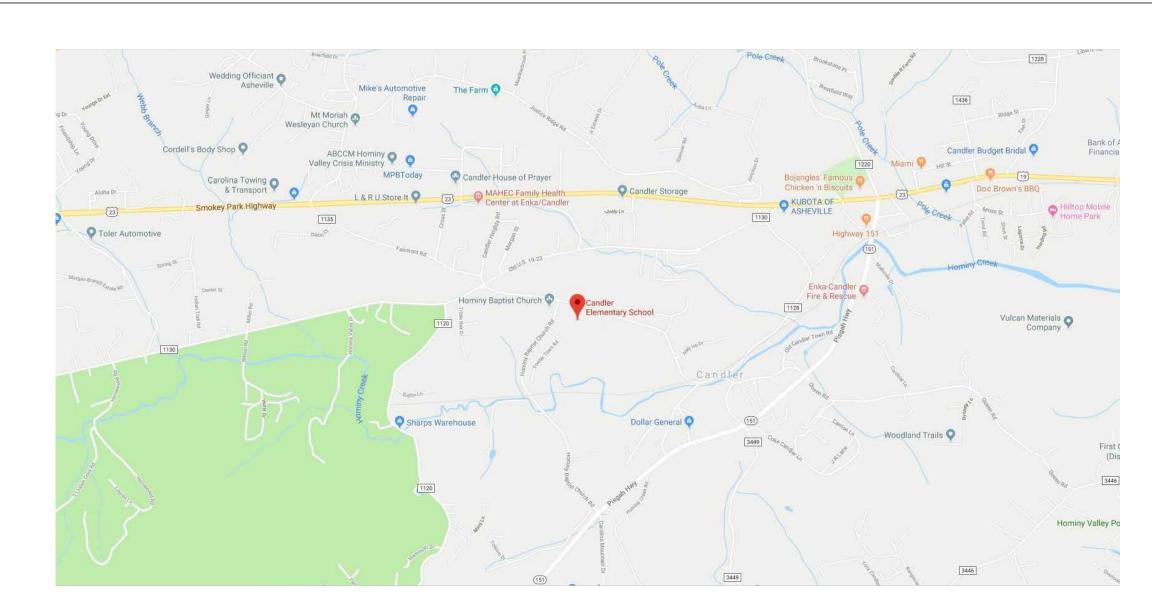
CANDLER ELEMENTARY SCHOOL - PHASE 1

PARTIAL ROOF REPLACEMENT PROJECT

BUNCOMBE COUNTY SCHOOLS

121 Candler School Road Candler, NC 28715

Project Location



VICINITY MAP

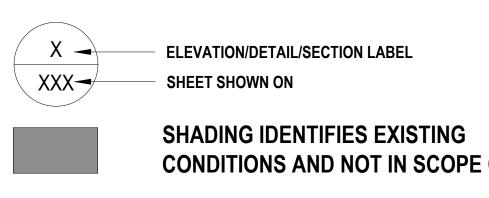


LOCATION MAP

Abbreviations

MAXIMUM MINIMUM **NOT IN CONTRACT ON CENTER**

Details / Elevations / Sections Identifier



Index of Drawings

General

Cover Sheet

Appendix B and Key Plan

Architectural

CLIENT

175 Bingham Road

2701 Westport Road

PROJECT CONTACT:

Project Engineer/Facilities

e: Jeff.Poe@terracon.com

p: 704.594.8939

BUNCOMBE COUNTY SCHOOLS

Asheville, North Carolina 28806

ENGINEERING CONSULTANT

TERRACON CONSULTANTS, INC.

Jeff H. Poe Jr., PE, MSCE, RRC

Consulting Engineers and Scientists

Project No. FH196127

BUNCOMBE COUNTY SCHOOLS

ELEMENTARY SCHOOL - PHASE
ROOF REPLACEMENT PROJECT CANDLER I PARTIAL I

r School Road , NC 28715

06.26.2019

ISSUE FOR: **BID DOCUMENTS** NOT FOR CONSTRUCTION

ADDENDUM:

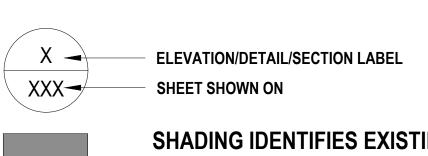
PROJECT TEAM:

APR REVIEWER:

TERRACON'S PROJECT NUMBER: FH196127

COVER SHEET

Terracon G-101



CONDITIONS AND NOT IN SCOPE OF WORK

BUILDING DATA Construction Type:				П 11_0	□ III_A	
Construction Type.		□ V–A		□ 11-6	□ III–A	□ III-B
				☐ Yes	Types <u>N/A</u>	
			13 NFPA			
Standpipes: No	Yes	Class 🗌 I		☐ Wet	☐ Dry	
Fire District: No	Yes					
Building Height: N/A		_ Feet <u>N/A</u>	Number of	Stories \square	Unlimited per N/	′ A
Mezzanine: No	Yes					
High Rise: \square No	☐Yes	Centi	ral Reference S	Sheet # (if pro	vided) <u>N/A</u>	
Gross Building Area:						
FLOOR	EXISTING	(SQ FT)	NEW	(SQ FT)		SUB-TOTAL
6th Floor	N/A	N/A		N/A	N/A	
5th Floor	N/A		N/A		N/A	
4th Floor	N/A	N/A		N/A		
3rd Floor	N/A	N/A		N/A	N/A	
2nd Floor	N/A	N/A		N/A	N/A	
Mezzanine	N/A		1	N/A		N/A
1st Floor	N/A		1	N/A		N/A
Basement	N/A			N/A		N/A
TOTAL	N/A			N/A		N/A
	,			•		•

DESIGN LOADS: Importance Factors: Wind (I w) N/A Snow (I_S) N/A Seismic (I_E) N/A Mezzanine <u>N/A</u> psf N/A psf Snow Load: N/A psf Basic Wind Speed 120 mph (ASCE-7-10) Wind Load: Exposure Category B Wind Base Shears (for MWFRS) Vx = N/A Vy = N/ASEISMIC DESIGN CATEGORY A ☐ YES ☐ NO Compliance with Section 1616.4 only? SEISMIC DESIGN CATEGORY B, C, & D Provide the following Seismic Design Parameters: Seismic Use Group N/A Spectral Response Acceleration Sms N/A %g Sm1 N/A %g Site Classification N/A Basic structural system (check one) N/A Bearing Wall
N/A Dual w/Special Moment Frame N/A Building Frame N/A Dual w/Intermediate R/C or Special Steel $\frac{N/A}{N} \text{ Moment Frame} \frac{N/A}{N} \text{ Inverted Pendulum}$ Seismic base shear $VX = \frac{N/A}{N} \frac{VY}{N} = \frac{N/A}{N}$ Analysis Procedure $\frac{N/A}{A}$ Simplified $\frac{N/A}{A}$ Equivalent Lateral Force $\frac{N/A}{A}$ Modal Architectural, Mechanical, Components anchored? _____ LATERAL DESIGN CONTROL: Earthquake N/A Wind N/A SOIL BEARING CAPACITIES: Field Test (provide copy of test report)

N/A

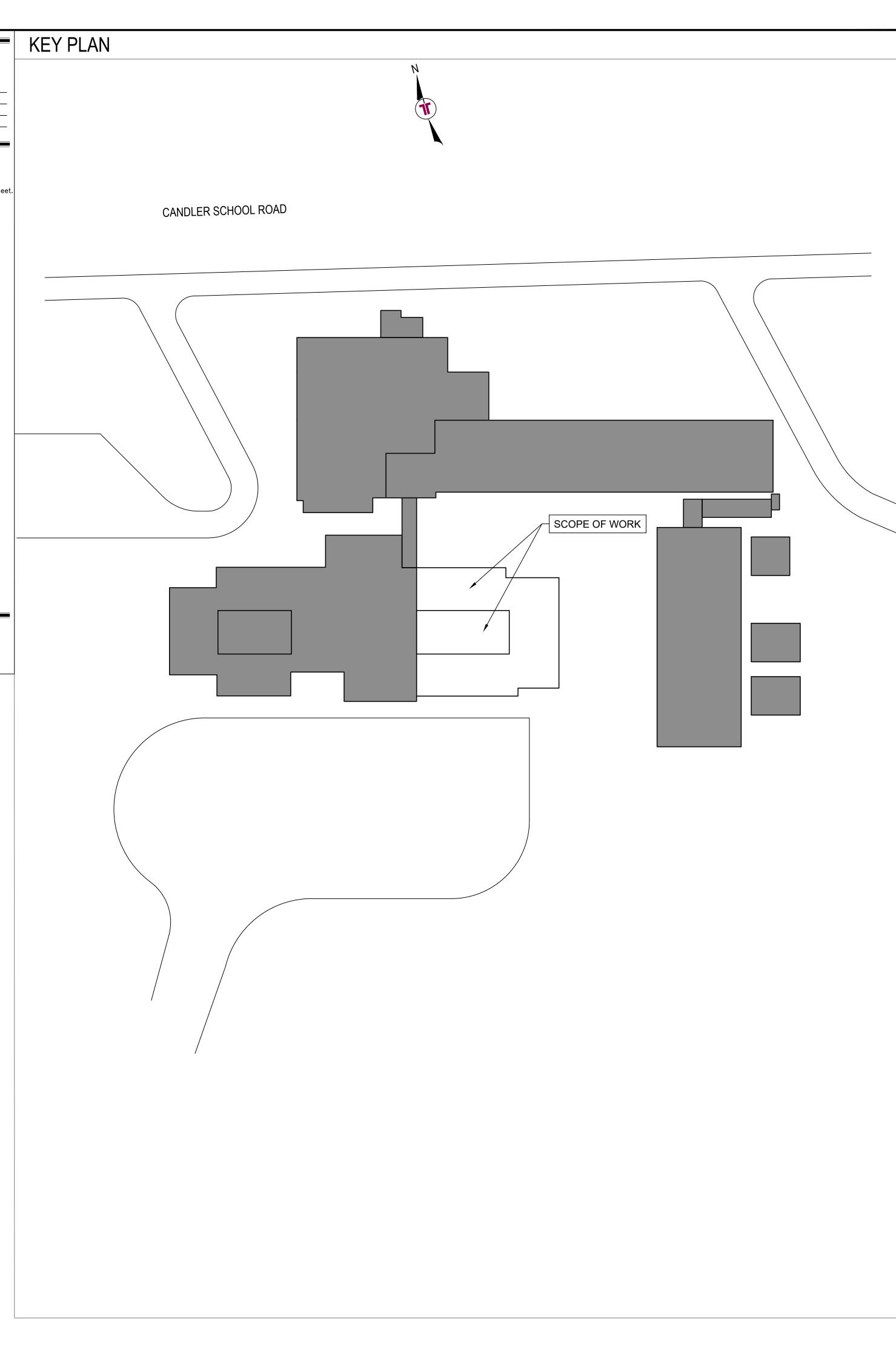
Presumptive Bearing capacity

N/A

Pile size, type, and capacity

SPECIAL APPROVALS Special approval: (Local Jurisdiction, Department of Insurance, SBCCI, ICC, etc., describe below) A reduced R-value is desired due to low flashing heights at the windows below Roof Area A4. ENERGY SUMMARY ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet.

If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget. THERMAL ENVELOPE Method of Compliance: ☐ Prescriptive ☐ Performance ☐ Energy Cost Budget Roof/ceiling Assembly (each assembly) Description of assembly U-Value of total assembly R-Value of insulation n/a Skylights in each assembly U-Value of skylight total square footage of skylights in each assembly Exterior Walls (each assembly) Description of assembly U-Value of total assembly R-Value of insulation Openings (windows or doors with glazing) U-Value of assembly shading coefficient projection factor low e required, if applicable Door R-Values Walls adjacent to unconditioned space (each assembly) Description of assembly U-Value of total assembly R-Value of insulation Openings (windows or doors with glazing) U-Value of assembly Low e required, if applicable Door R-Values Walls below grade (each assembly) Description of Assembly U-Value of total assembly R-Value of insulation Floors over unconditioned space (each assembly) Description of assembly U-Value of total assembly R-Value of insulation Floors slab on grade Description of assembly U-Value of total assembly R-Value of insulation Horizontal/vertical requirement



Consulting Engineers and Scientists

2701 Westport Road
Charlotte, North Carolina
p: 704.509.1777
Project No. FH196127
Terracon NC License No.: F-0869

ENGINEER STATE LICENSE SEAL

CARO

SEAL

045268

H. POE

PROJECT NAME AND ADDRESS:

Y SCHOOLS
SCHOOL - PHASE 1
EMENT PROJECT

CANDLER ELEMENTARY SCHOOLS
- PARTIAL ROOF REPLACEMENT PF

r School Road NC 28715

ISSUE DATE:

06.26.2019

ISSUE FOR:

BID DOCUMENTS

NOT FOR CONSTRUCTION

ADDENDUM:

DESCRIPTION DESCRIPTION

PROJECT TEAM:
DESIGNED BY:
JHP
DRAWN BY:
IMM

APR REVIEWER:

TERRACON'S PROJECT NUMBER: FH196127

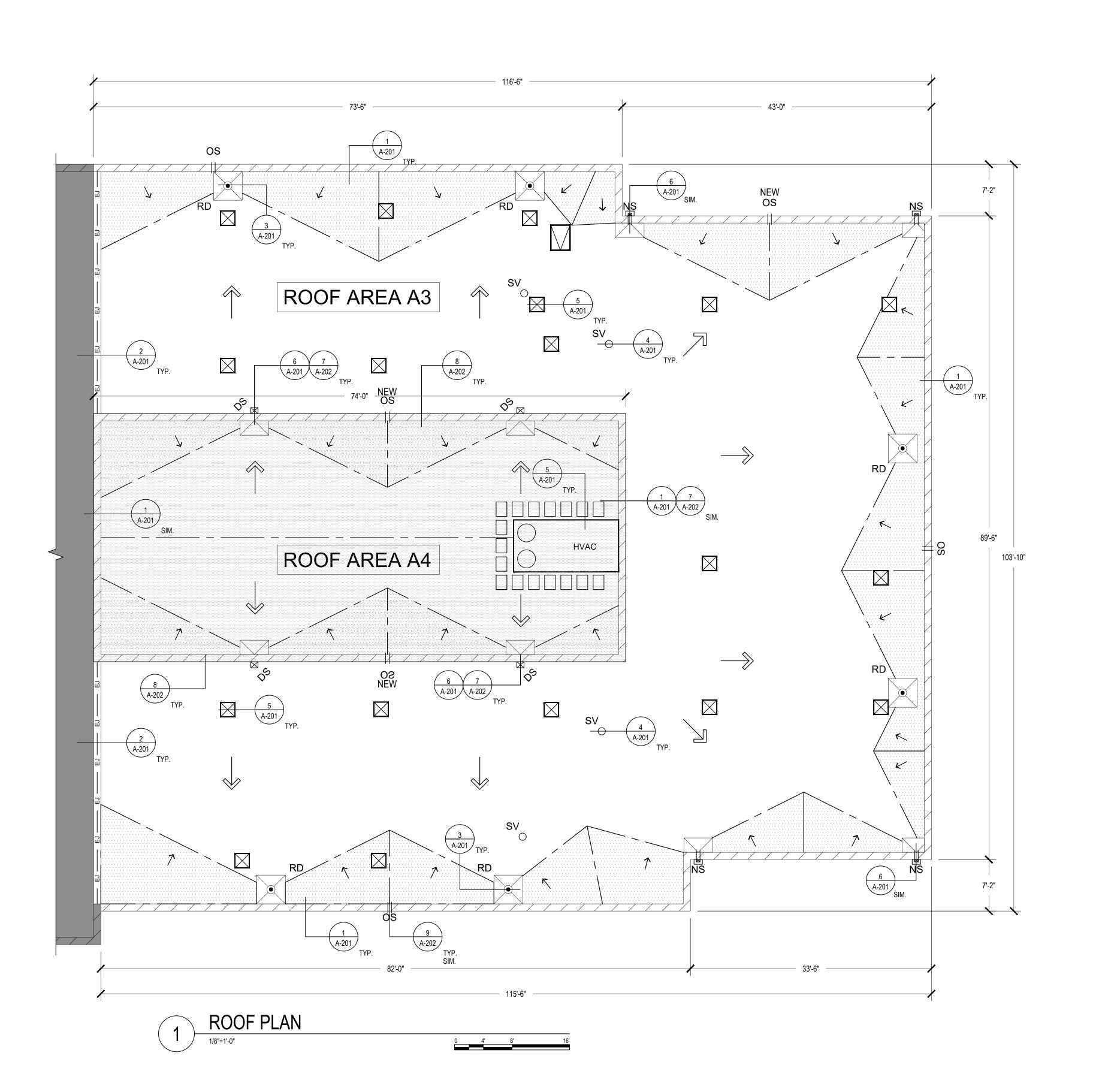
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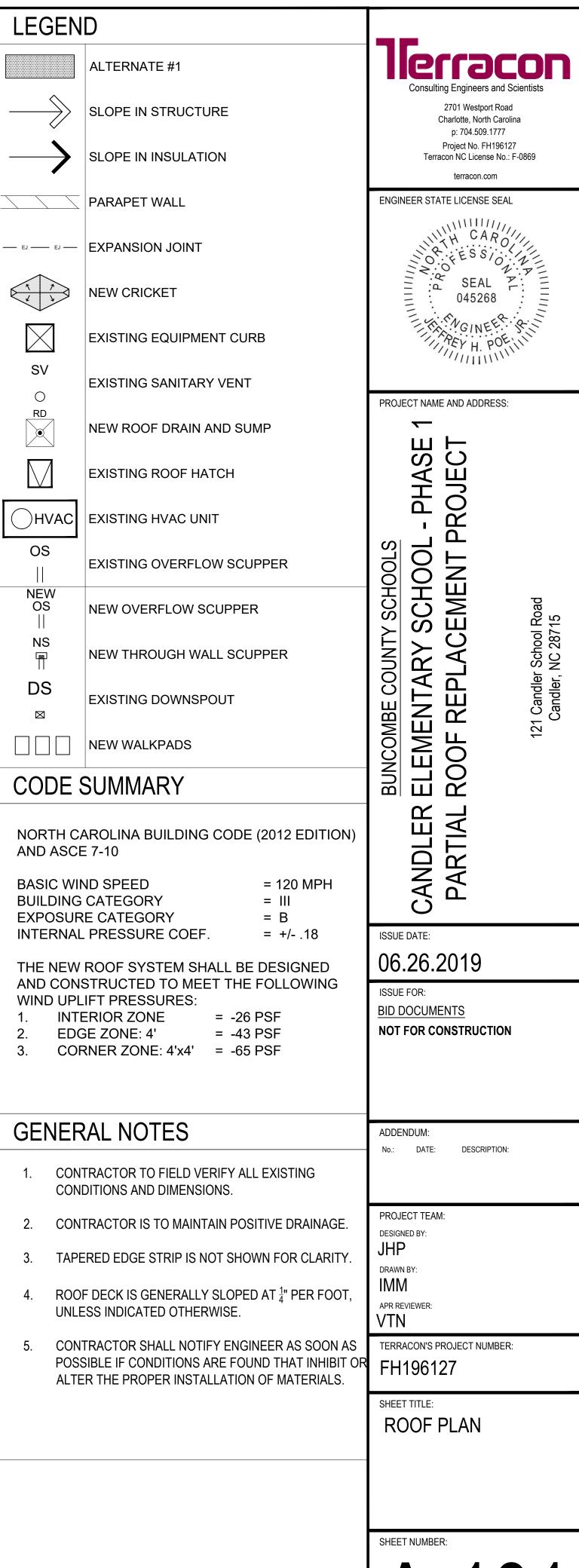
APPENDIX B & KEY PLAN

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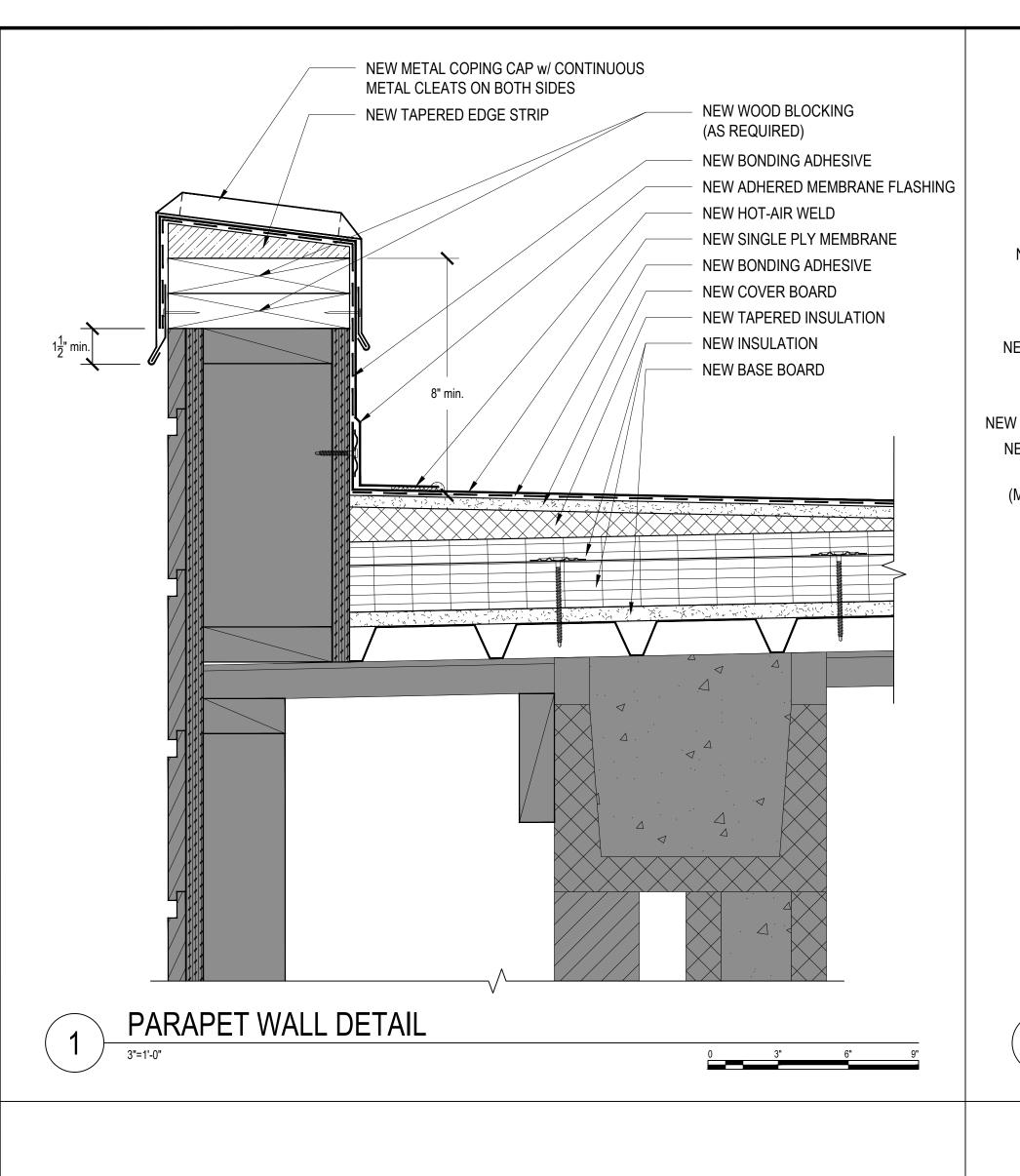
G-102

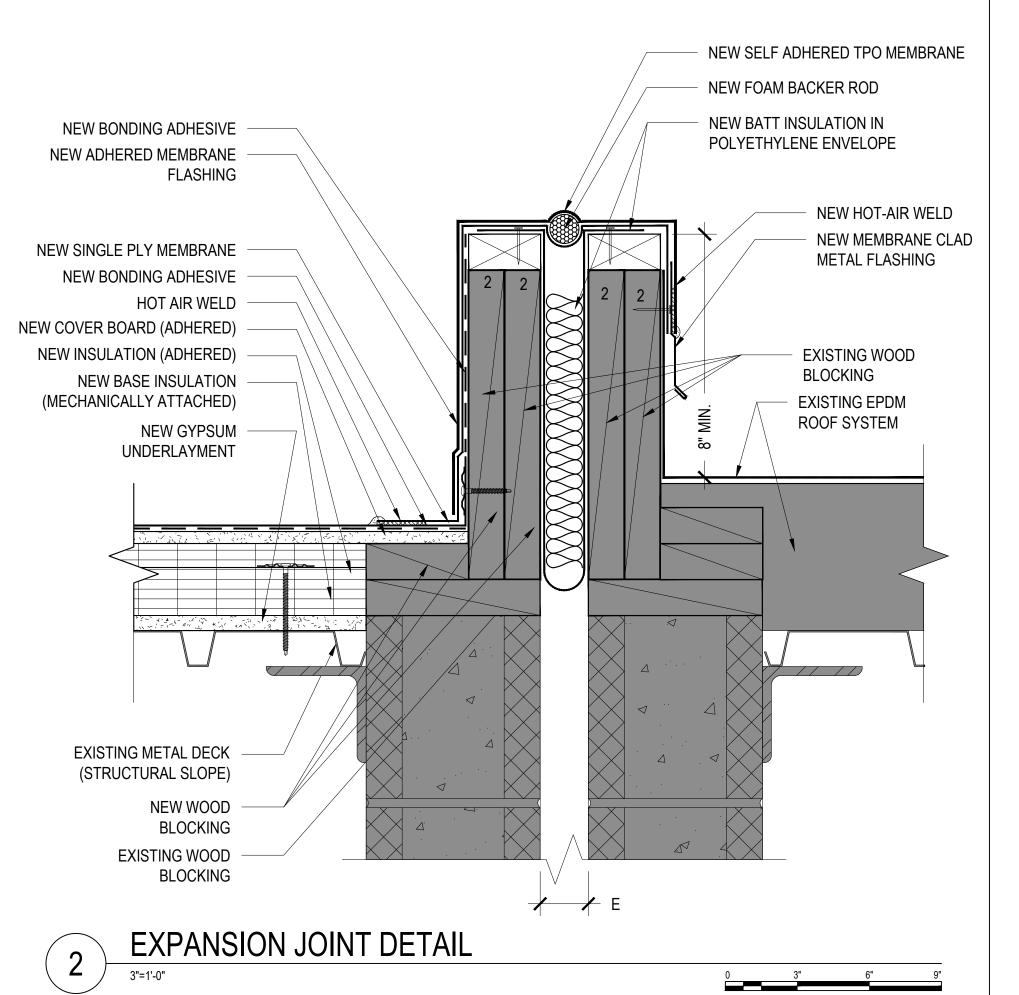


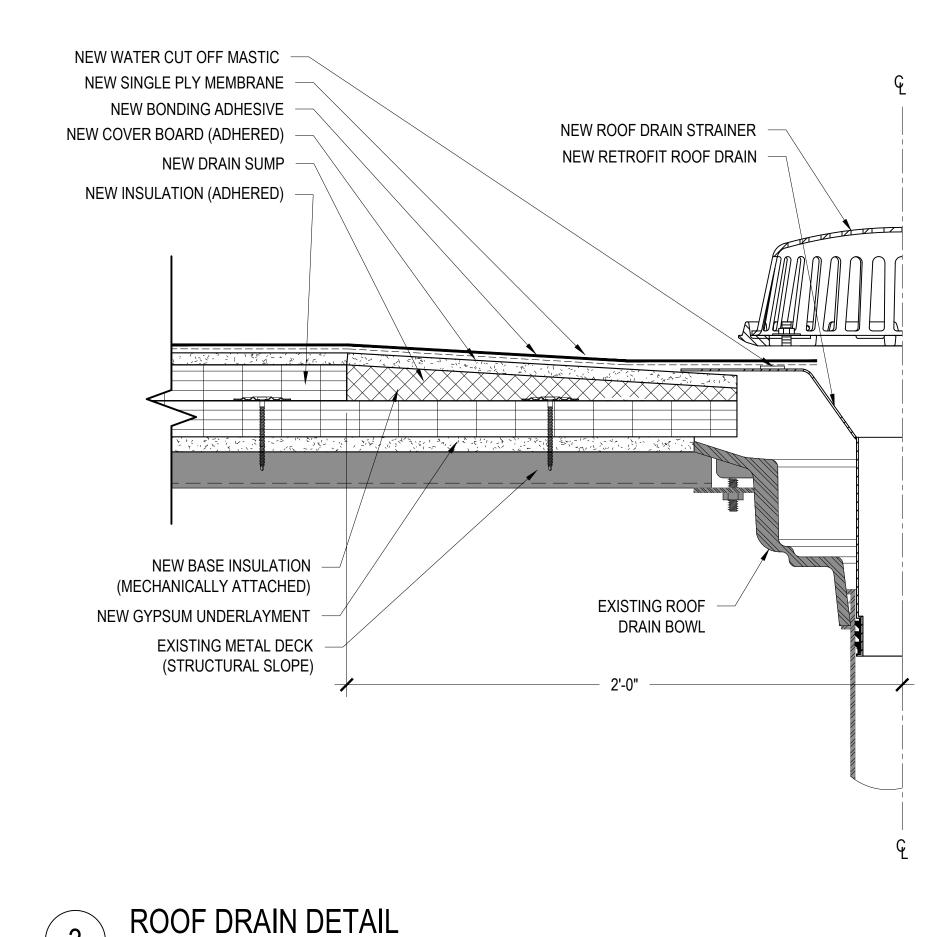


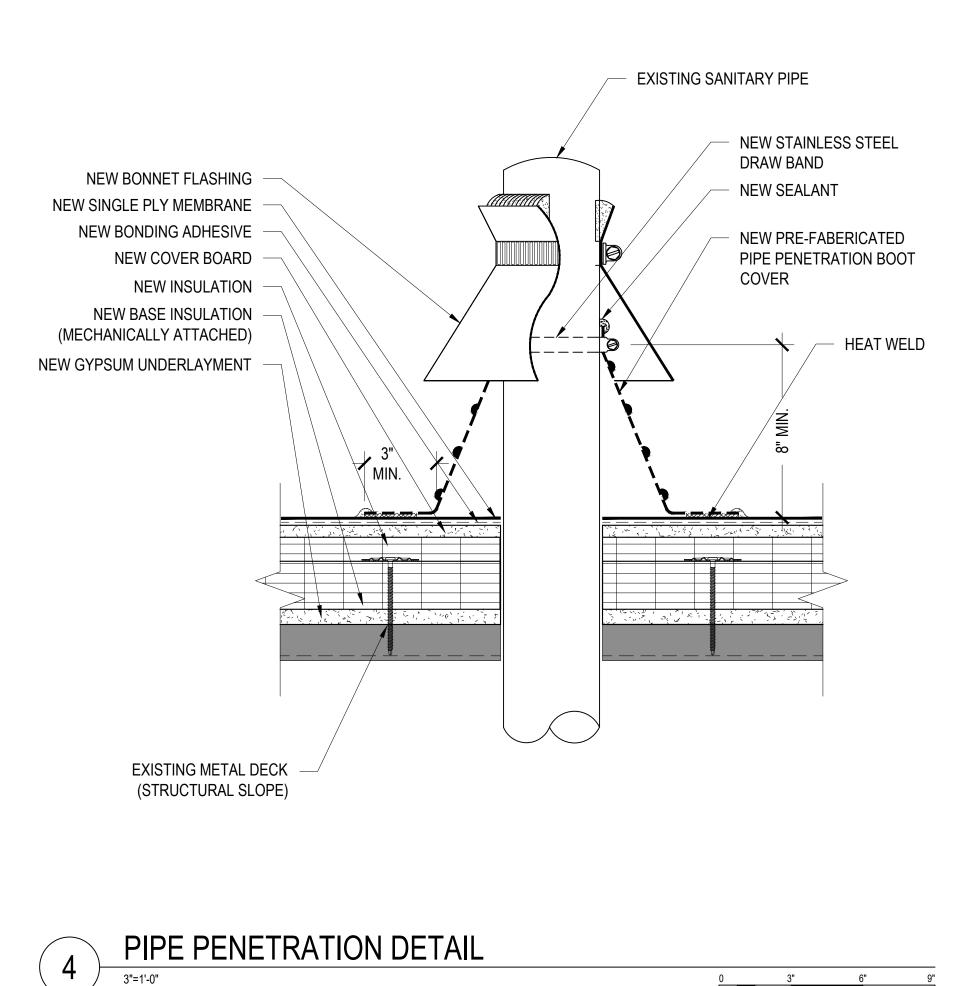


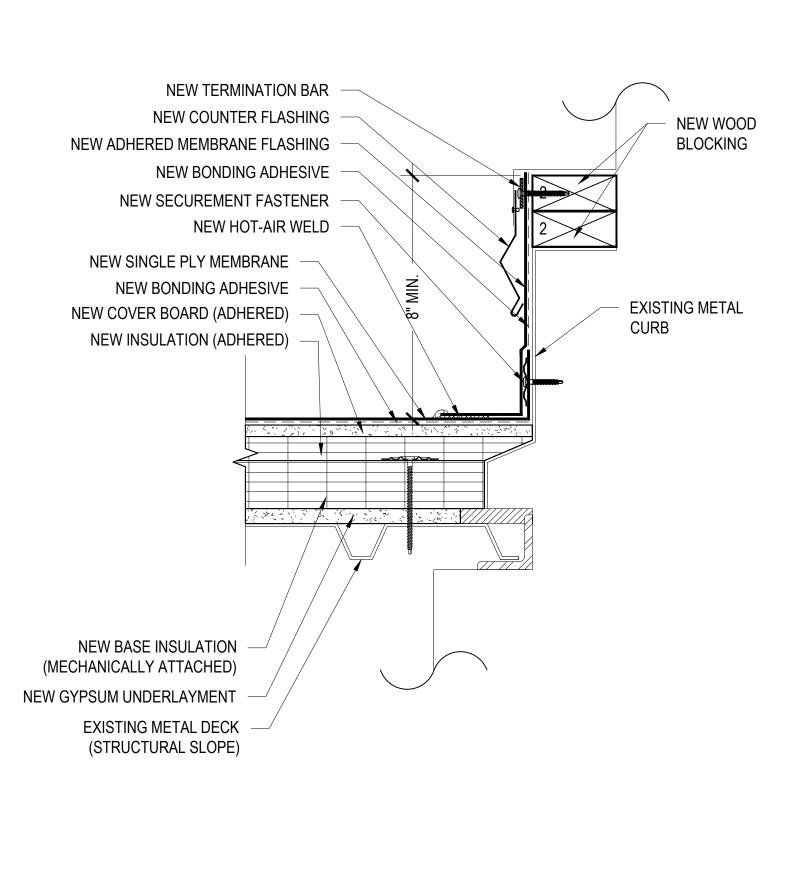
A-101



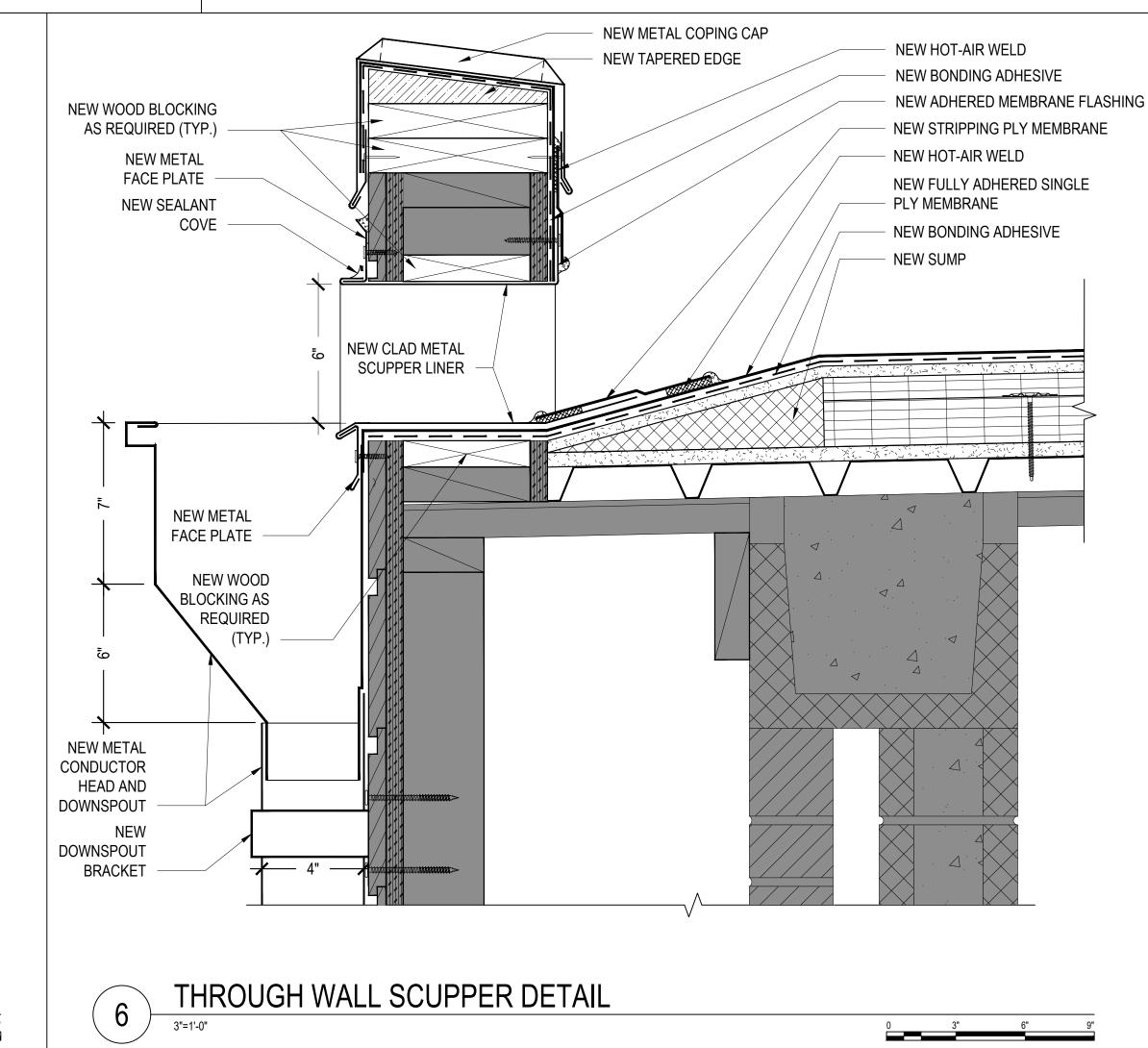








EQUIPMENT CURB DETAIL



ENGINEER STATE LICENSE SEAL PROJECT NAME AND ADDRESS: L - PHASE PROJECT RY SCHOOL ACEMENT P r School Ros NC 28715 BUNCOMBE COUNTY ELEMENTARY S ROOF REPLACE **IRTIAL** CANDLE ISSUE DATE: 06.26.2019 ISSUE FOR: BID DOCUMENTS NOT FOR CONSTRUCTION ADDENDUM: No.: DATE: DESCRIPTION: PROJECT TEAM: DESIGNED BY: DRAWN BY: IMM APR REVIEWER: TERRACON'S PROJECT NUMBER: FH196127 SHEET TITLE: **DETAILS** SHEET NUMBER:

Consulting Engineers and Scientists

2701 Westport Road

Charlotte, North Carolina

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