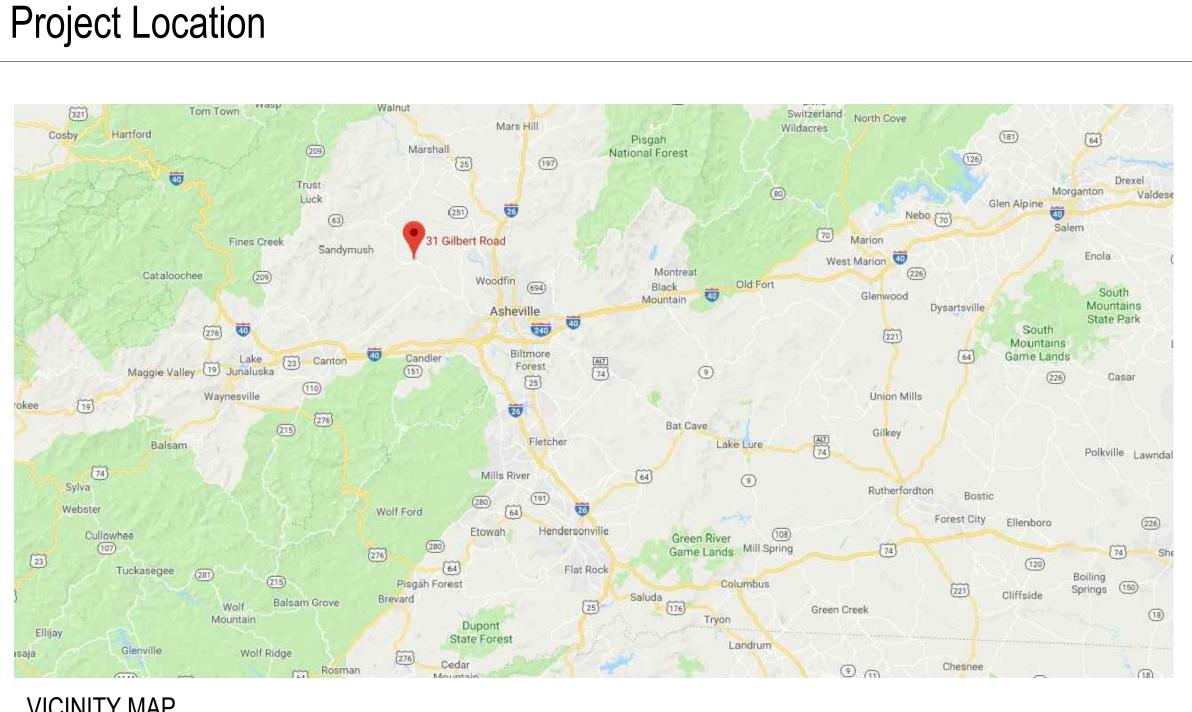
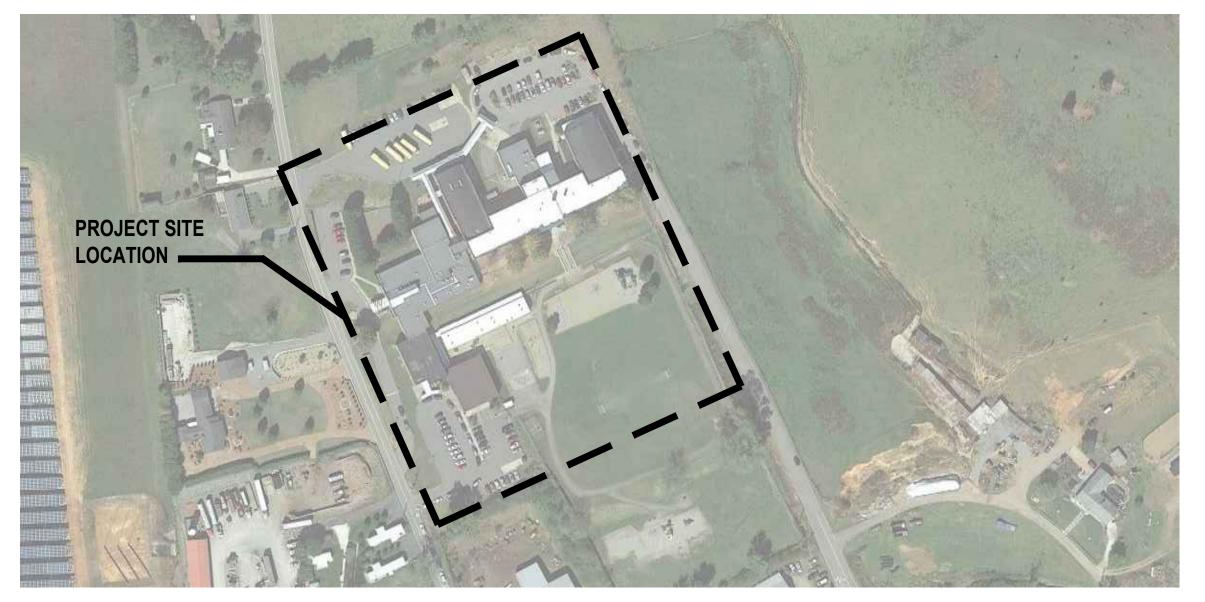
BUNCOMBE COUNTY SCHOOLS

ELEVATING YOUNG MINDS



VICINITY MAP



LOCATION SITE

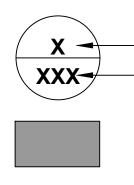
Buncombe County Schools LEICESTER ELEMENTARY SCHOOL PARTIAL ROOF REPLACEMENT **AND REPAIRS**

Project Address: 31 Gilbert Road Leicester, North Carolina 28748

Abbreviations

MAX.	MAXIMUM
MIN.	MINIMUM
N.I.C	NOT IN CONTRACT
N.T.S	NOT TO SCALE
0.C.	ON CENTER
TYP.	TYPICAL
SIM.	SIMILAR

Details / Elevations / Sections Identifier



ELEVATION / DETAIL / SECTION LABEL SHEET SHOWN ON

SHADING IDENTIFIES EXISTING CONDITIONS AND NOT IN SCOPE OF WORK

Index of Drawings

General

COVER SHEET G1.00 KEY PLAN STAGING PLAN G1.02

Architectural

A1.01	ROOF PLAN: AREA 1, 3, 4, 6, 9 AND 10
A1.02	ROOF PLAN: AREA 11
A1.03	ROOF PLAN: AREA 20, 21 AND 22
A5.01	ROOF DETAILS
A5.02	ROOF DETAILS
A5.03	ROOF DETAILS
A5.04	ROOF DETAILS
A5.05	ROOF DETAILS
A5.06	ROOF DETAILS
A5.07	ROOF DETAILS
A5.08	ROOF DETAILS

CLIENT

Mr. Tim Fierle, AIA Director of Facilities and Planning Buncombe County Schools

715 Bingham Road Asheville, North Carolina 28806

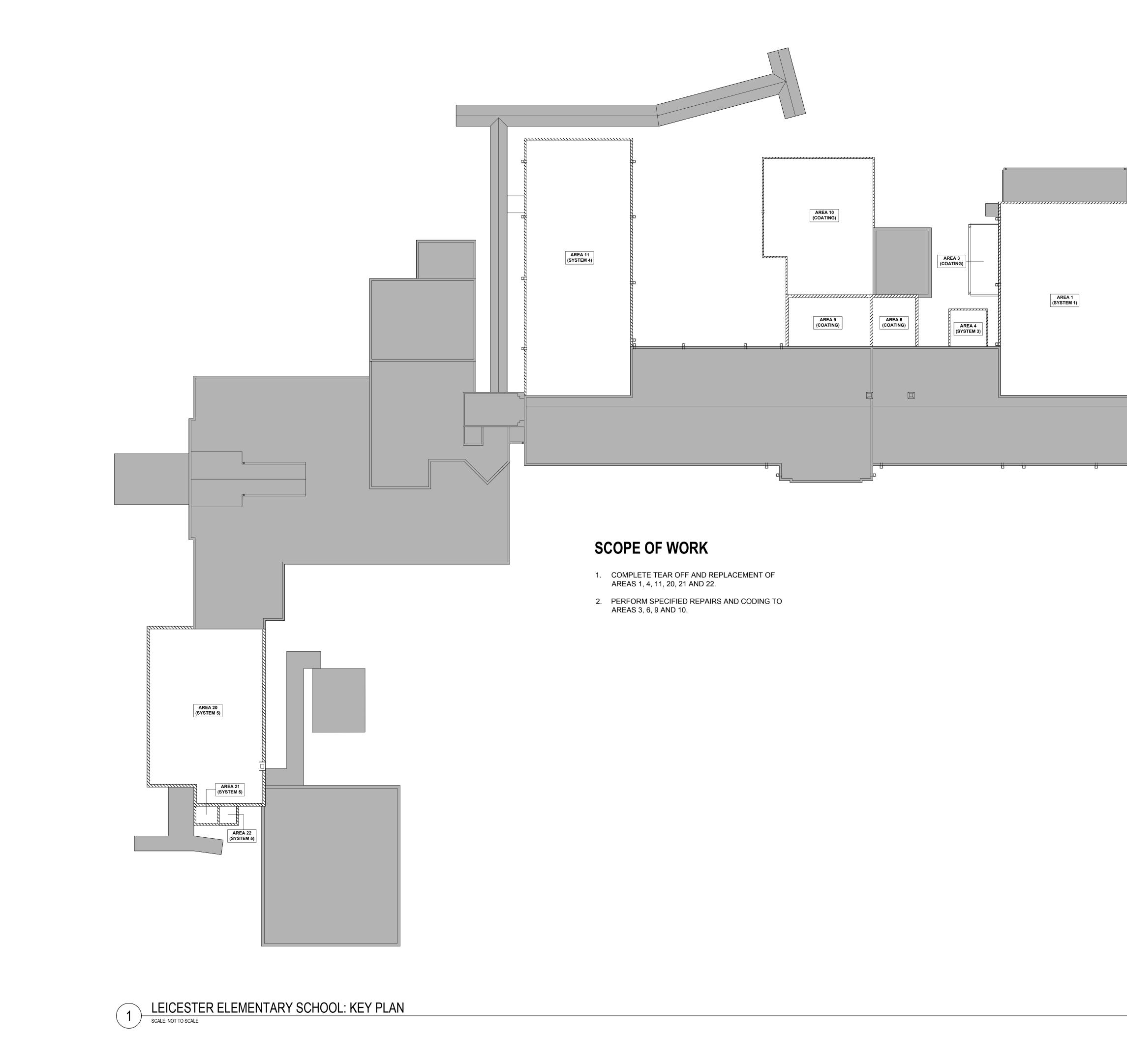
ENGINEERING CONSULTANT

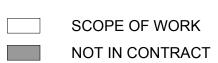
TERRACON CONSULTANTS, INC. 2701 Westport Road Charlotte, North Carolina 28208

Jeff H. Poe Jr., PE Staff Engineer || Facilities e: Jeff.Poe@terracon.com p: 704.594.8939



JECONSULTING Engineers 2701 Westport Re Charlotte, North Ca p: 704.594.893 FIRM'S NC LICENSE N terracon.com ENGINEER STATE LICENSE SE	and Scientists oad arolina 9 Io.: F-0869 1	
LEICESTER ELEMENTARY SCHOOL PARTAL ROOF REPLACEMENT AND REPAIRS	PROJECT ADDRESS: 31 Gilbert Road Leicester, North Carolina 28748	
ISSUE DATE: 02.20.2018 ISSUE FOR: Construction Documents: Not For Construction		
ADDENDUM: No.: DATE: DESCRIPTIC	DN:	
PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: EGM II APR REVIEWER: VTN TERRACON'S PROJECT NUMB FH176189	ER:	
TITLE SHEET: COVER SHEET		
SHEET NUMBER:	()()	





LEICESTER ELEMENTARY SCHOOL PARTIAL ROOF REPLACEMENT AND REPAIRS 48 SS: PROJECT 31 Gilb Z ISSUE DATE: 02.20.2018 ISSUE FOR: Construction Documents: Not For Construction ADDENDUM: No.: DATE: DESCRIPTION: PROJECT TEAM: DESIGNED BY: JHP drawn by: EGM II APR REVIEWER: VTN TERRACON'S PROJECT NUMBER: FH176189 TITLE SHEET: KEY PLAN SHEET NUMBER:

lici

IOCO

Consulting Engineers and Scientists

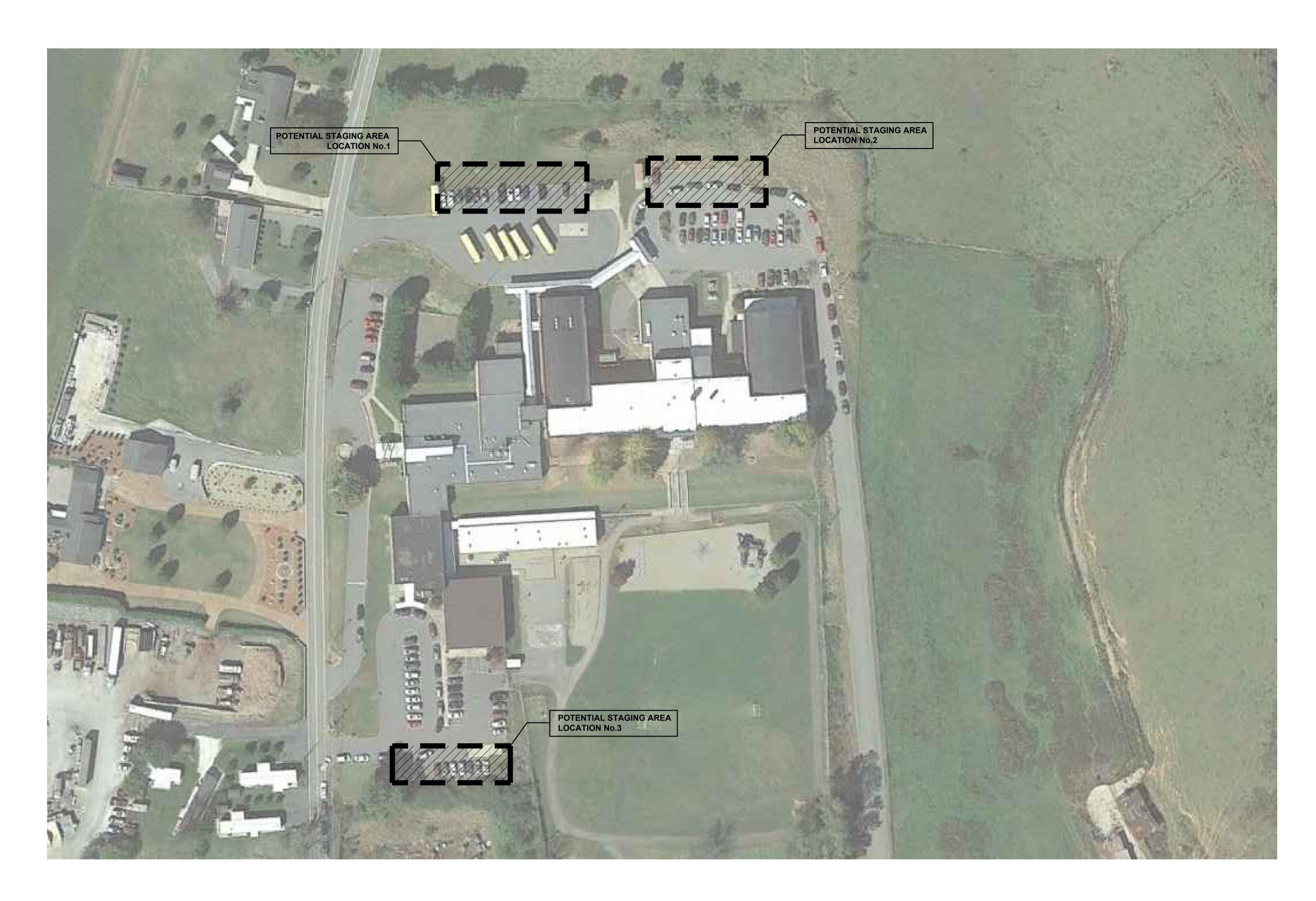
2701 Westport Road Charlotte, North Carolina p: 704.594.8939 FIRM'S NC LICENSE No .: F-0869

terracon.com

ENGINEER STATE LICENSE SEAL

PROJECT NAME AND ADDRESS:

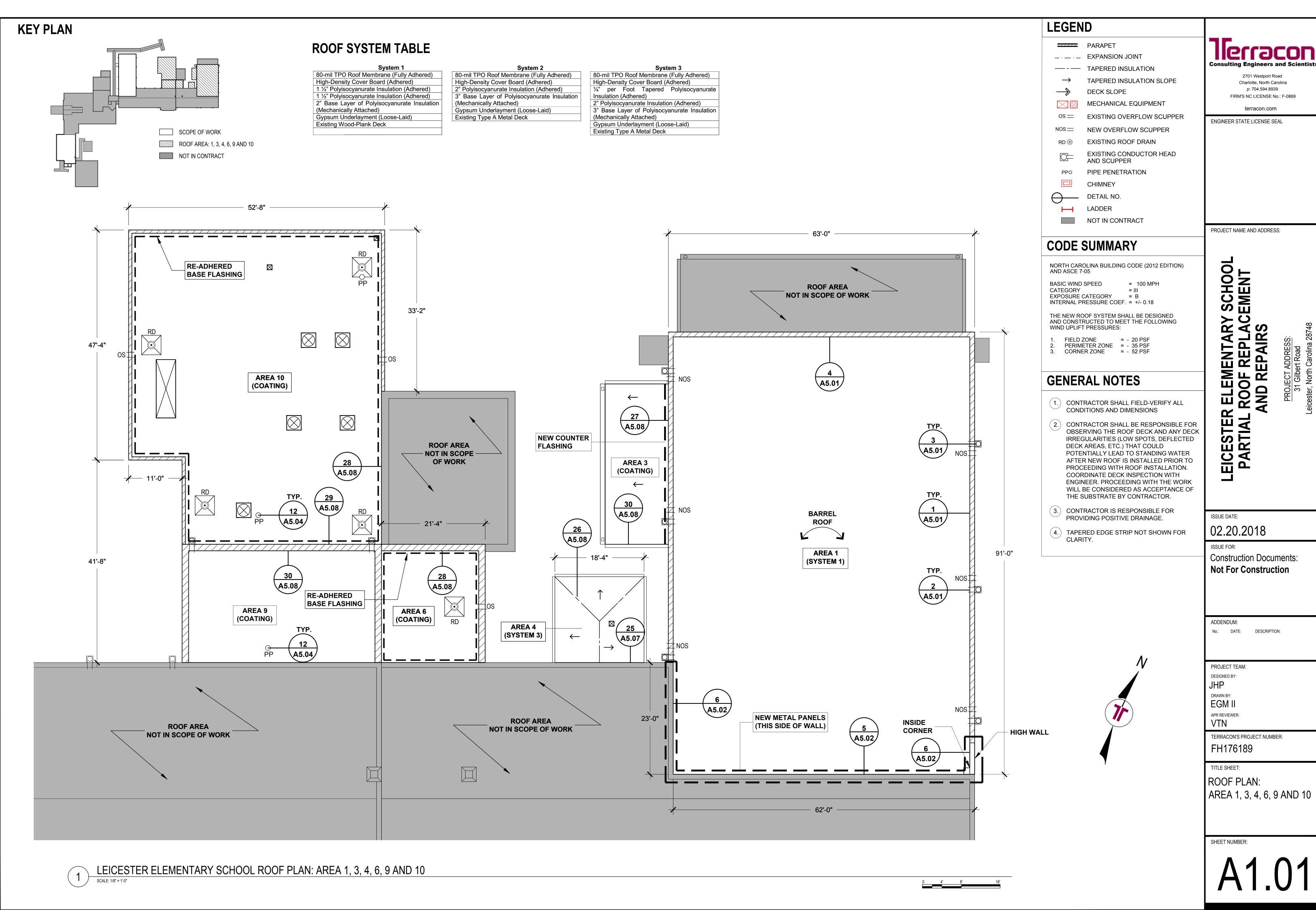




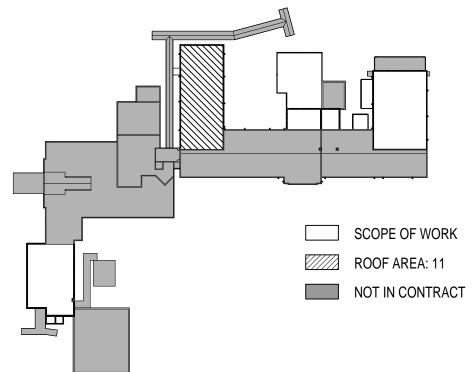
1 LEICESTER ELEMENTARY SCHOOL: STAGING PLAN SCALE: NOT TO SCALE

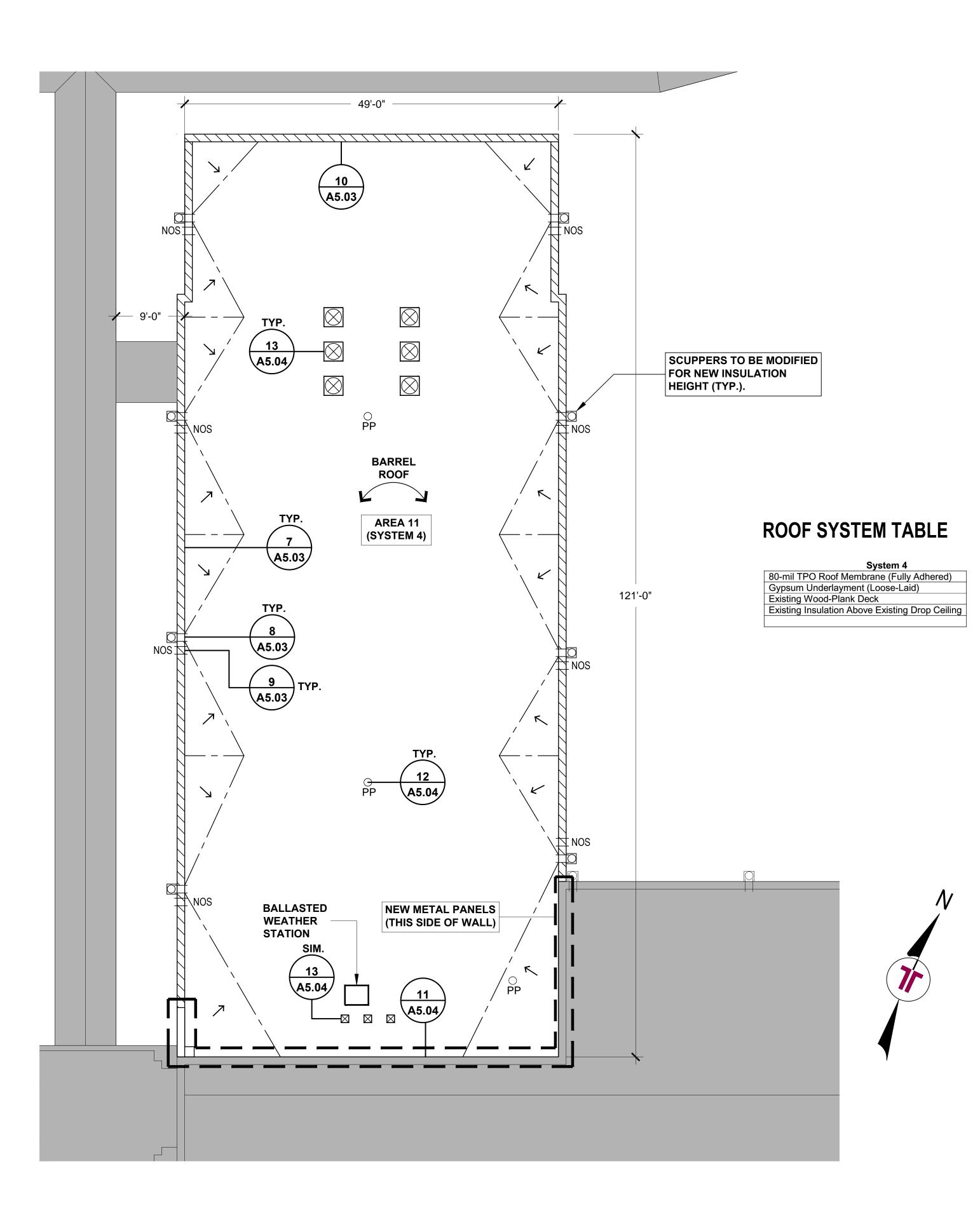


Solution Service Serv	
ENGINEER STATE LICENSE SEAL	
Image: Project Name and address: Image: Project Name and Partial Roof Replacement Partial Roof Replacement Partial Roof Replacement And Replacement <	
ISSUE DATE: 02.20.2018 ISSUE FOR: Construction Documents: Not For Construction	
ADDENDUM: No.: DATE: DESCRIPTION:	
PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: EGM II APR REVIEWER: VTN TERRACON'S PROJECT NUMBER:	
THE SHEET: STAGING PLAN	
sheet number:	





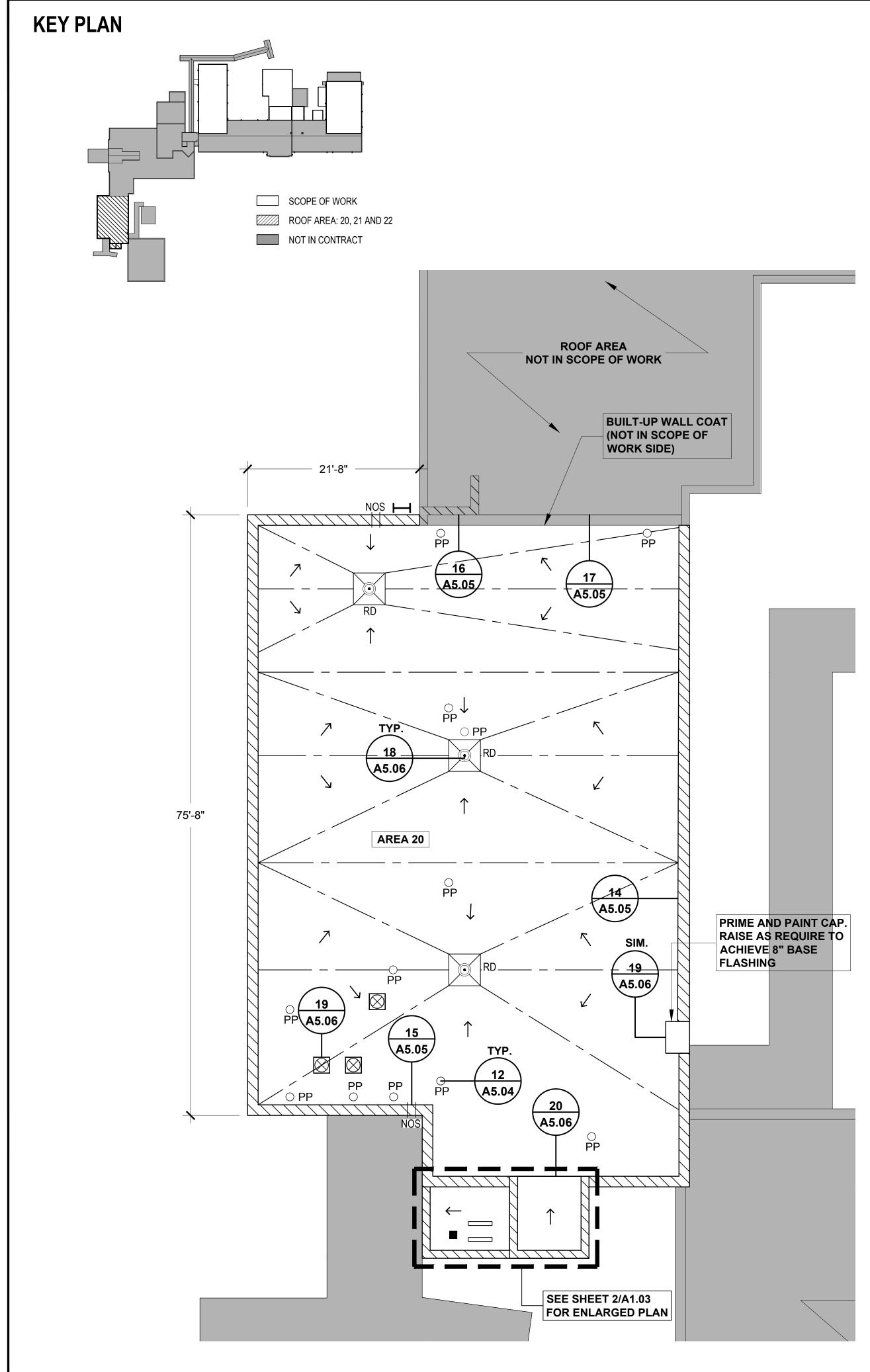






LEICESTER ELEMENTARY SCHOOL ROOF PLAN: AREA 11 SCALE: 1/8" = 1'-0"

LEGEN	D	
$ \begin{array}{c} \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	PARAPET EXPANSION JOINT TAPERED INSULATION TAPERED INSULATION SLOPE DECK SLOPE MECHANICAL EQUIPMENT EXISTING OVERFLOW SCUPPER EXISTING ROOF DRAIN EXISTING ROOF DRAIN EXISTING CONDUCTOR HEAD AND SCUPPER PIPE PENETRATION CHIMNEY DETAIL NO. LADDER NOT IN CONTRACT	<section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header>
NORTH CARC AND ASCE 7- BASIC WIND CATEGORY EXPOSURE O INTERNAL PF THE NEW RO AND CONSTF WIND UPLIFT 1. FIELD Z 2. PERIME	SPEED = 100 MPH = III CATEGORY = B RESSURE COEF. = +/- 0.18 OF SYSTEM SHALL BE DESIGNED RUCTED TO MEET THE FOLLOWING PRESSURES:	IENTERSION CONTRACTOR AND ADDRESS:
1. CONT COND 2. CONT OBSEI IRREG DECK POTEI AFTEF PROC COOR ENGIN WILL E THE S	AL NOTES RACTOR SHALL FIELD-VERIFY ALL ITIONS AND DIMENSIONS RACTOR SHALL BE RESPONSIBLE FOR RVING THE ROOF DECK AND ANY DECK SULARITIES (LOW SPOTS, DEFLECTED AREAS, ETC.) THAT COULD NTIALLY LEAD TO STANDING WATER NEW ROOF IS INSTALLED PRIOR TO EEDING WITH ROOF INSTALLATION. DINATE DECK INSPECTION WITH IEER. PROCEEDING WITH THE WORK BE CONSIDERED AS ACCEPTANCE OF UBSTRATE BY CONTRACTOR.	LEICESTER ELEMENTA PARTIAL ROOF REPL AND REPAIF 31 Gibert Road Leicester, North Carolina 2
	RACTOR IS RESPONSIBLE FOR DING POSITIVE DRAINAGE. RED EDGE STRIP NOT SHOWN FOR TY.	ISSUE DATE: 02.20.2018 ISSUE FOR: Construction Documents: Not For Construction ADDENDUM: No: DATE: DESCRIPTION:
		No.: DATE: DESCRIPTION: PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: EGM II APR REVIEWER: VTN TERRACON'S PROJECT NUMBER: FH176189 TITLE SHEET: ROOF PLAN: AREA 11
<u>4' 8' 16'</u>		sheet number:



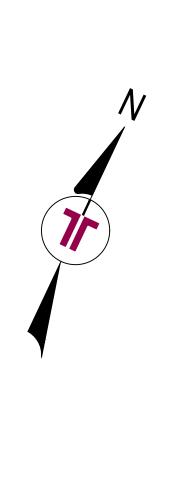
LEICESTER ELEMENTARY SCHOOL ROOF PLAN: AREA 20 SCALE: 1/8" = 1'-0"

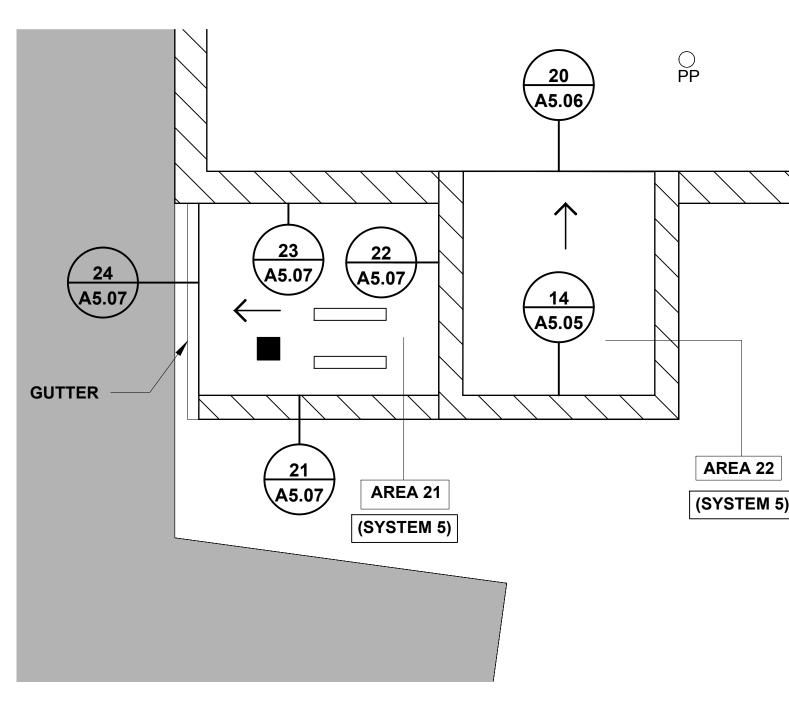
1

ROOF SYSTEM TABLE

System 580-mil TPO Roof Membrane (Fully Adhered)High-Density Cover Board (Adhered)¼" per Foot Tapered PolyisocyanurateInsulation (Adhered)2" Polyisocyanurate Insulation (Adhered)3" Base Layer of Polyisocyanurate Insulation(Mechanically Attached)Existing Concrete Deck with Lightweight SlurryLayer

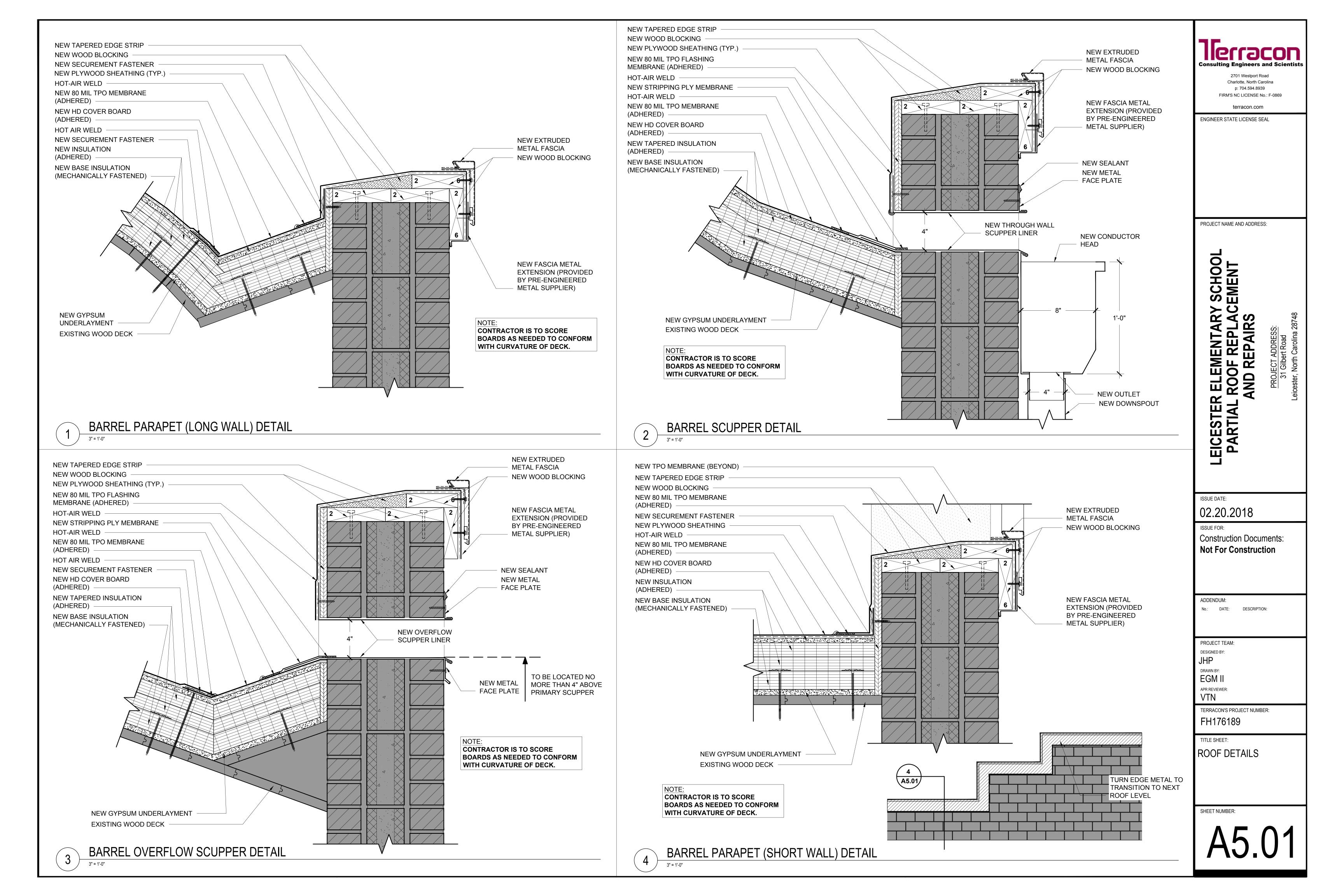
Layer

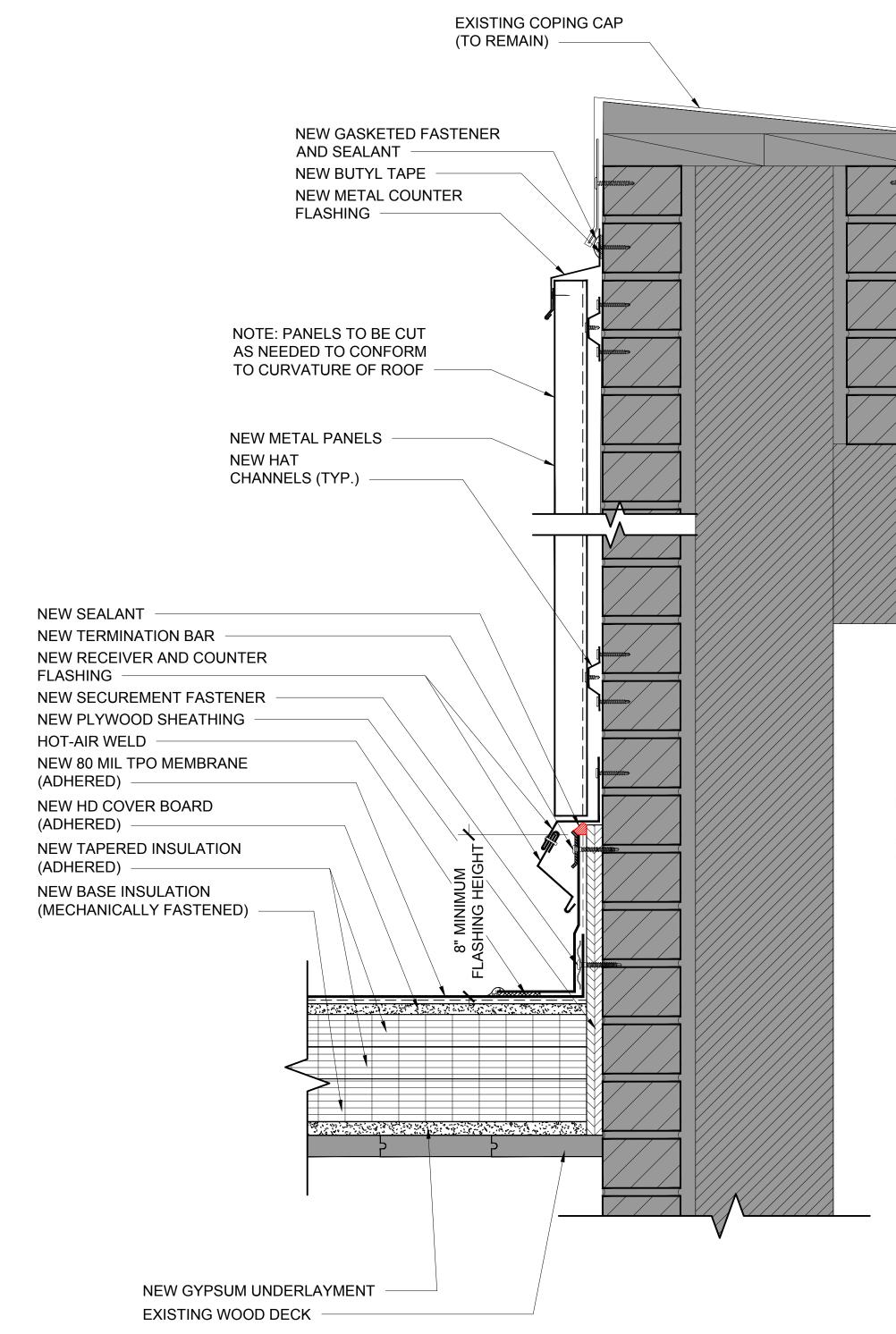




2 LEICESTER ELEMENTARY SCHOOL ROOF PLAN: AREA 21 AND SCALE: 1/4" = 1'-0"

	EEGEND EXERCISE PARAPET EXPANSION JOINT TAREPED INSULATION	Terracon Consulting Engineers and Scientists
	$\begin{array}{ccc} & & \text{TAPERED INSULATION} \\ & \rightarrow & \text{TAPERED INSULATION SLOPE} \\ & \longrightarrow & \text{DECK SLOPE} \\ \hline & & & & \text{MECHANICAL EQUIPMENT} \end{array}$	2701 Westport Road Charlotte, North Carolina p: 704.594.8939 FIRM'S NC LICENSE No.: F-0869 terracon.com
	OS = EXISTING OVERFLOW SCUPPER NOS = NEW OVERFLOW SCUPPER RD I EXISTING ROOF DRAIN I EXISTING CONDUCTOR HEAD AND SCUPPER PPO PIPE PENETRATION I CHIMNEY I DETAIL NO. I NOT IN CONTRACT	ENGINEER STATE LICENSE SEAL
	CODE SUMMARY	PROJECT NAME AND ADDRESS:
	NORTH CAROLINA BUILDING CODE (2012 EDITION) AND ASCE 7-05 BASIC WIND SPEED = 100 MPH CATEGORY = III EXPOSURE CATEGORY = B INTERNAL PRESSURE COEF. = +/- 0.18 THE NEW ROOF SYSTEM SHALL BE DESIGNED	Y SCHOOL CEMENT
	AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES: 1. FIELD ZONE = - 20 PSF 2. PERIMETER ZONE = - 35 PSF 3. CORNER ZONE = - 52 PSF	PLA PLA a 28748
	GENERAL NOTES	EMENT OF REP O REPA D REPA 31 Gilbert Road S1 Gilbert Road S1 Silbert Road
	1. CONTRACTOR SHALL FIELD-VERIFY ALL CONDITIONS AND DIMENSIONS	AND F BROOLE 31 G 31 G Cleicester, No
	 CONTRACTOR SHALL BE RESPONSIBLE FOR OBSERVING THE ROOF DECK AND ANY DECK IRREGULARITIES (LOW SPOTS, DEFLECTED DECK AREAS, ETC.) THAT COULD POTENTIALLY LEAD TO STANDING WATER AFTER NEW ROOF IS INSTALLED PRIOR TO PROCEEDING WITH ROOF INSTALLATION. COORDINATE DECK INSPECTION WITH ENGINEER. PROCEEDING WITH THE WORK WILL BE CONSIDERED AS ACCEPTANCE OF THE SUBSTRATE BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR 	LEICESTER PARTIAL F A
	 4.) TAPERED EDGE STRIP NOT SHOWN FOR 	ISSUE DATE: 02.20.2018
	CLARITY.	ISSUE FOR: Construction Documents: Not For Construction
		ADDENDUM: No.: DATE: DESCRIPTION:
	N	PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: EGM II APR REVIEWER: VTN
		TERRACON'S PROJECT NUMBER: FH176189 TITLE SHEET:
		ROOF PLAN: AREA 20, 21 AND 22
<u>0 2' 4' 8'</u>		sheet number:





HIGH WALL DETAIL 3" = 1'-0"

5

NOTE: EXISTING WALL COATING CONTAINS ASBESTOS CONTAINING MATERIALS. CONTRACTOR SHALL BE LEGACY CAPABLE OF WORKING WITH ASBESTOS CONTAINING MATERIALS.

NEW PLYWOOD SHEATHING HOT-AIR WELD -NEW 80 MIL TPO MEMBRANE (ADHERED) NEW HD COVER BOARD (ADHERED) NEW INSULATION (ADHERED) NEW BASE INSULATION (MECHANICALLY FASTENED)

NEW GYPSUM UNDERLAYMENT EXISTING WOOD DECK

NEW SECUREMENT FASTENER

HIGH WALL DETAIL WITH STEP-OUT DETAIL

NEW HAT CHANNELS (TYP.)

NEW SEALANT

FLASHING -

(ADHERED)

NEW PLYWOOD SHEATHING (TYP.)

NEW TERMINATION BAR

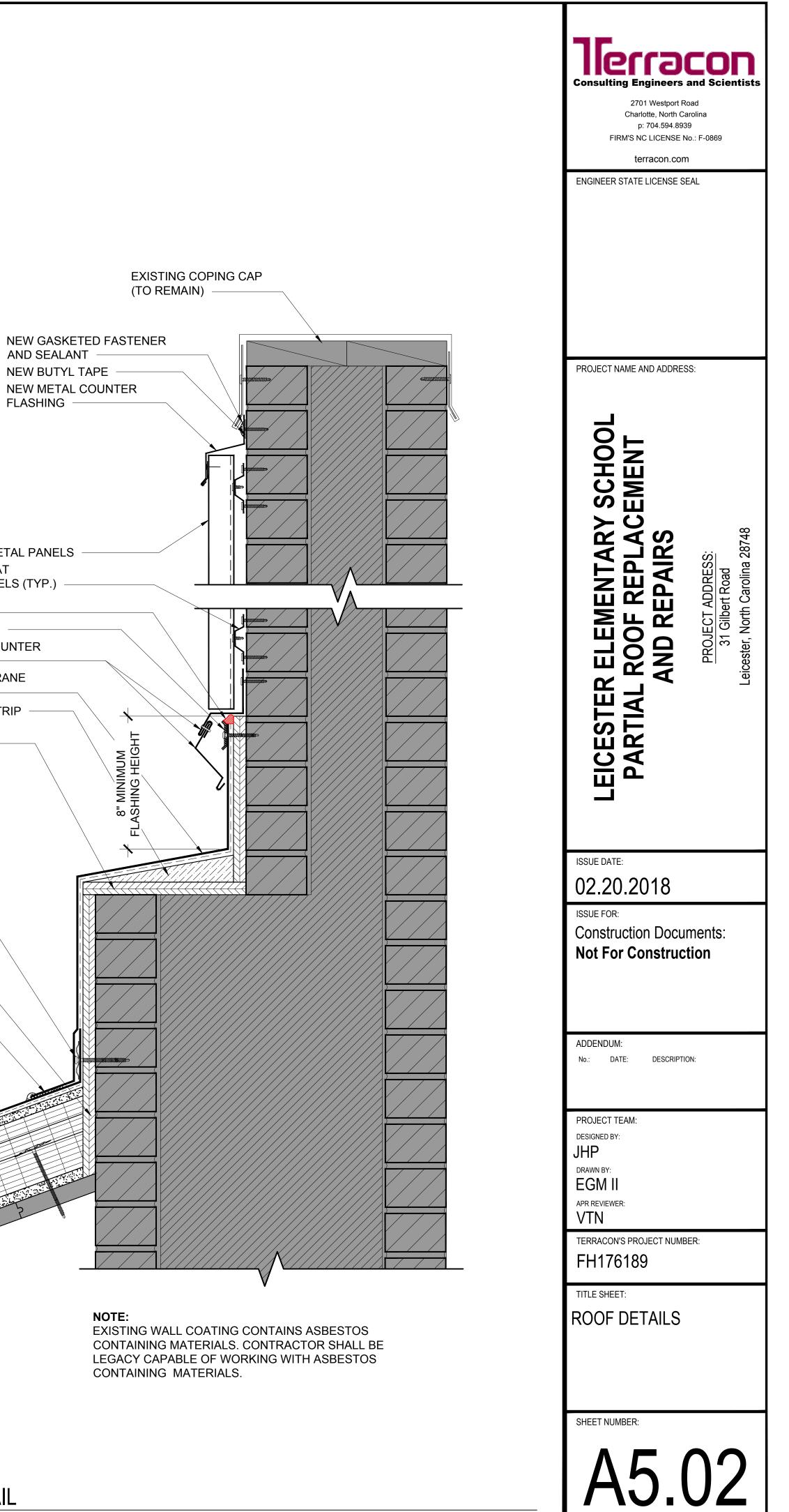
NEW RECEIVER AND COUNTER

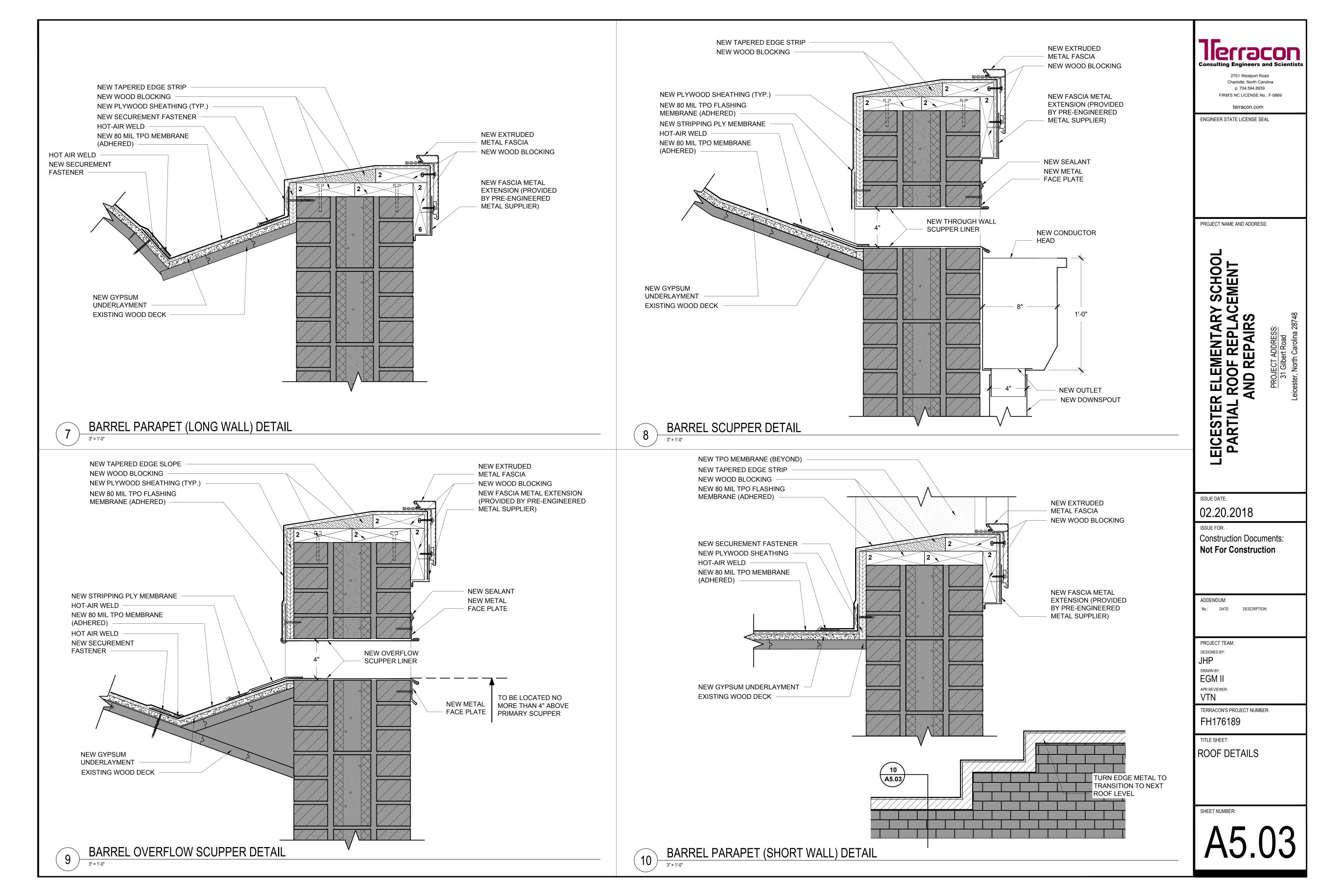
NEW 80 MIL TPO MEMBRANE

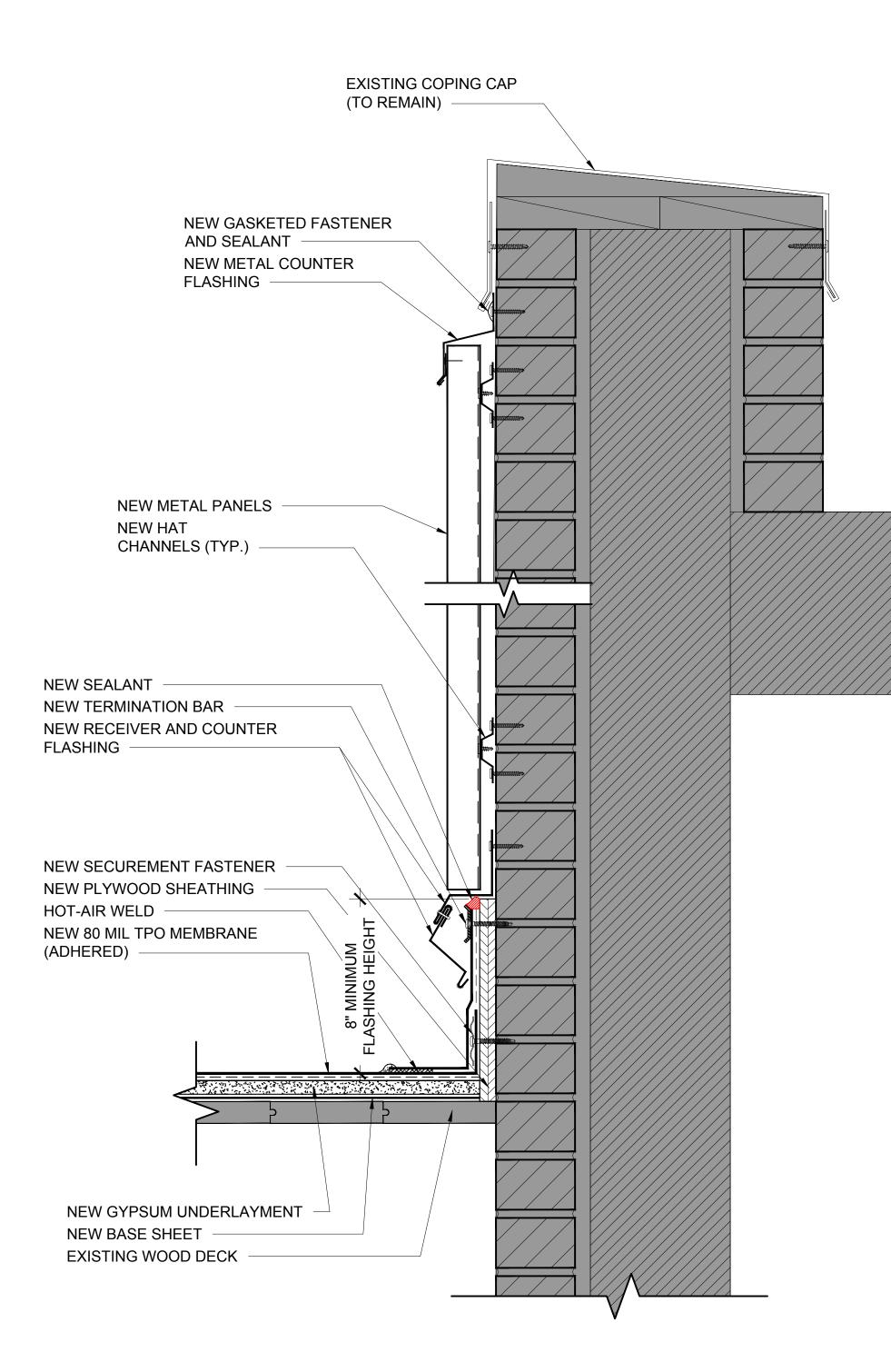
NEW TAPERED EDGE STRIP

NEW METAL PANELS

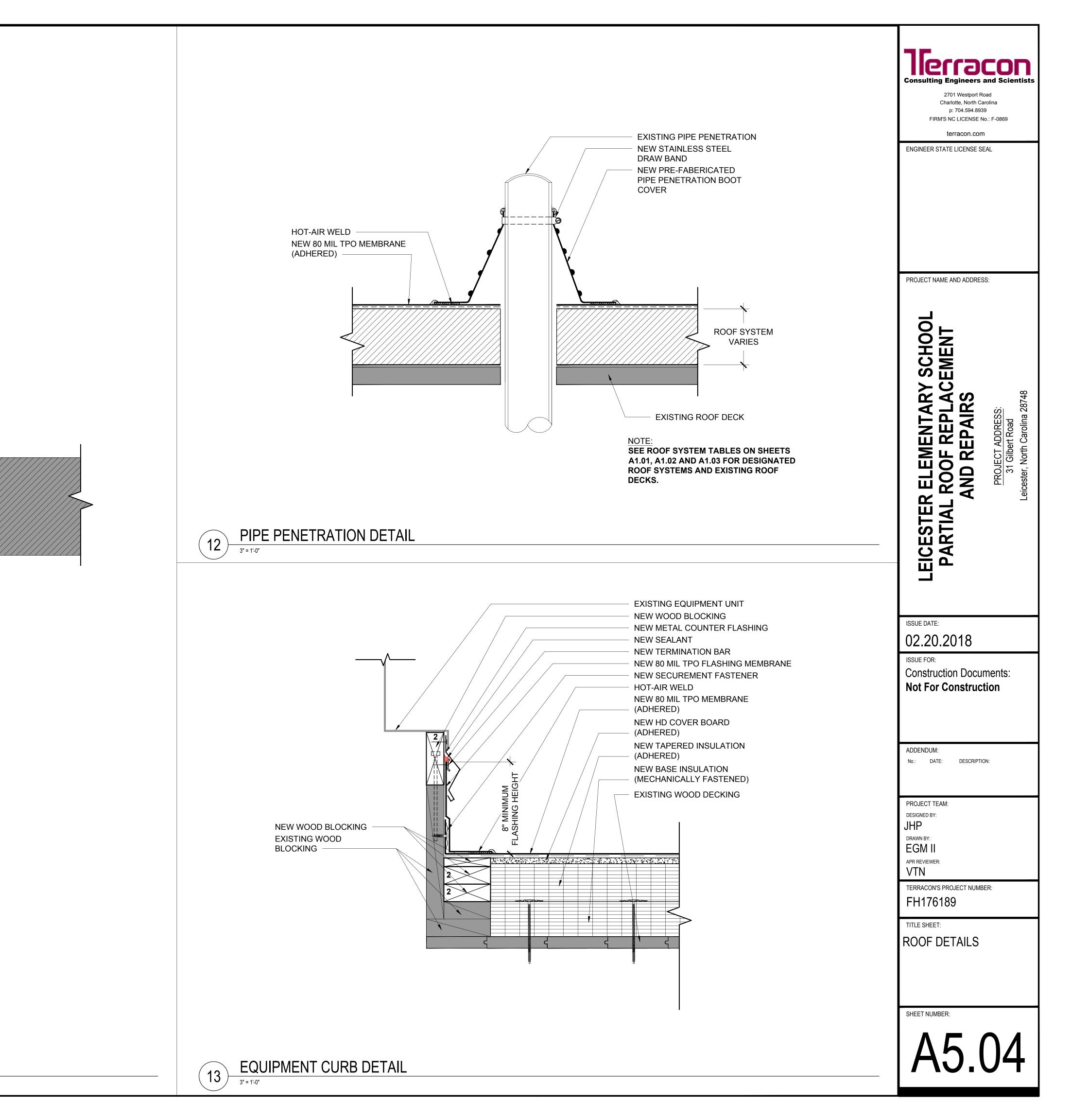
AND SEALANT NEW BUTYL TAPE NEW METAL COUNTER FLASHING

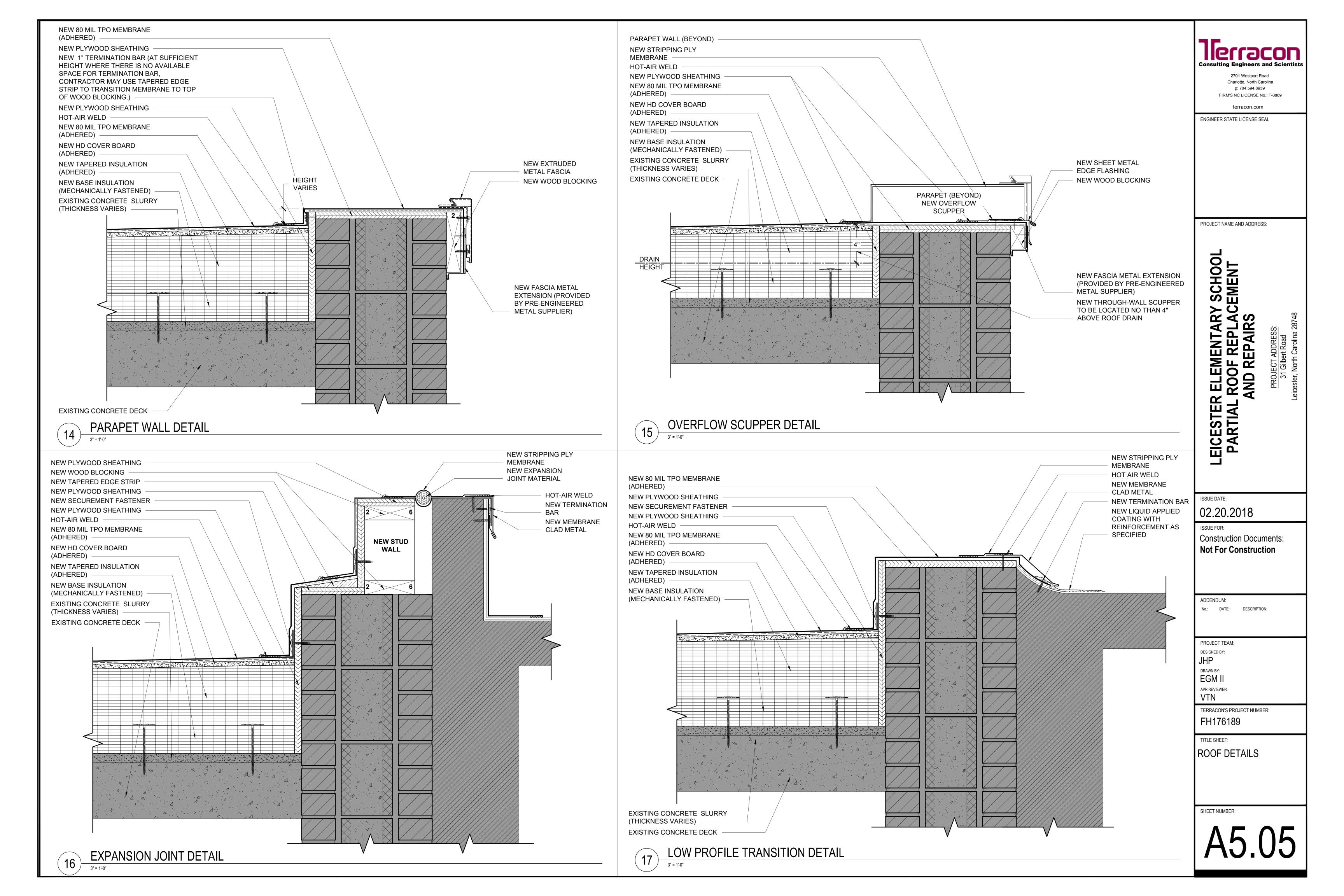


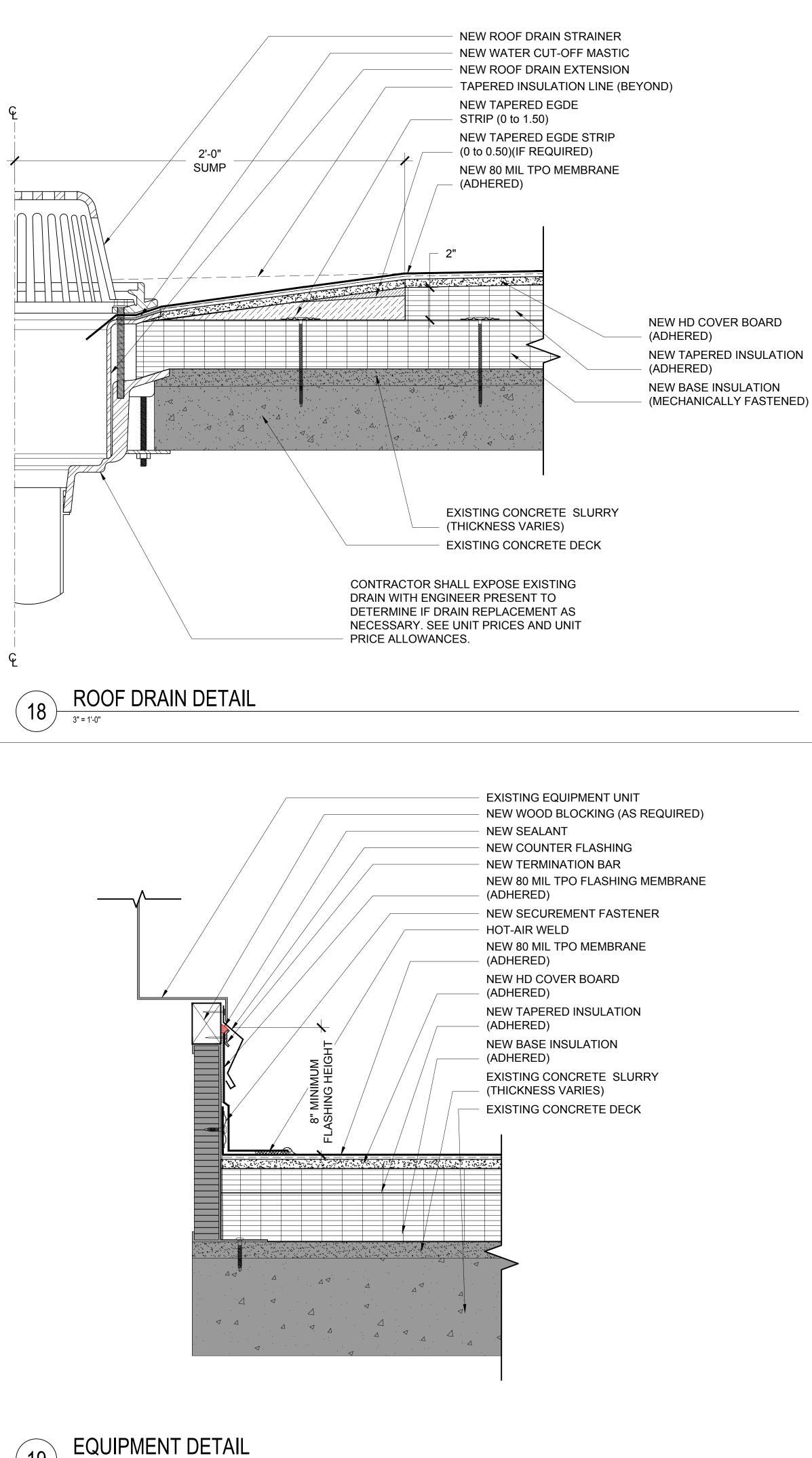






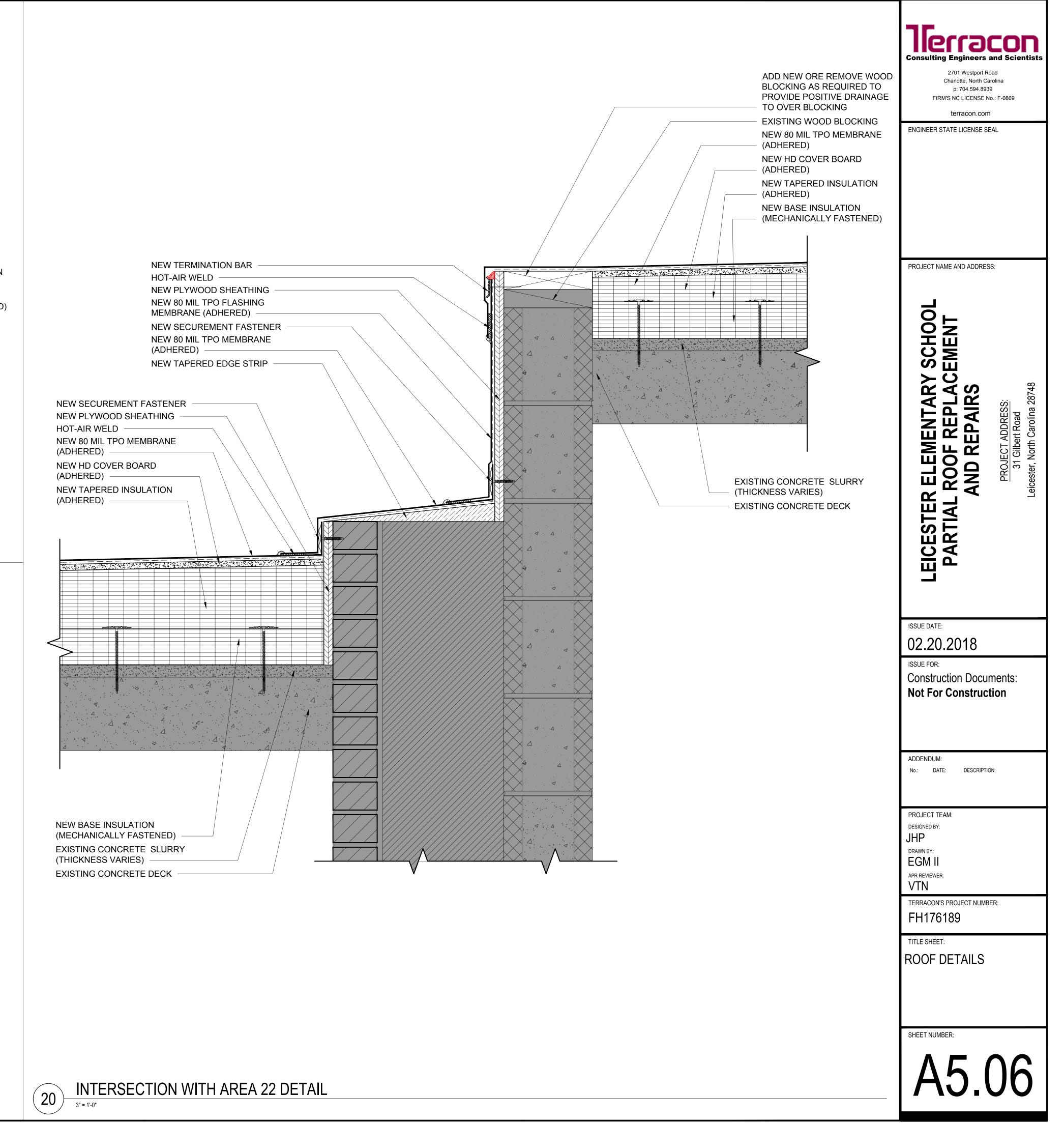


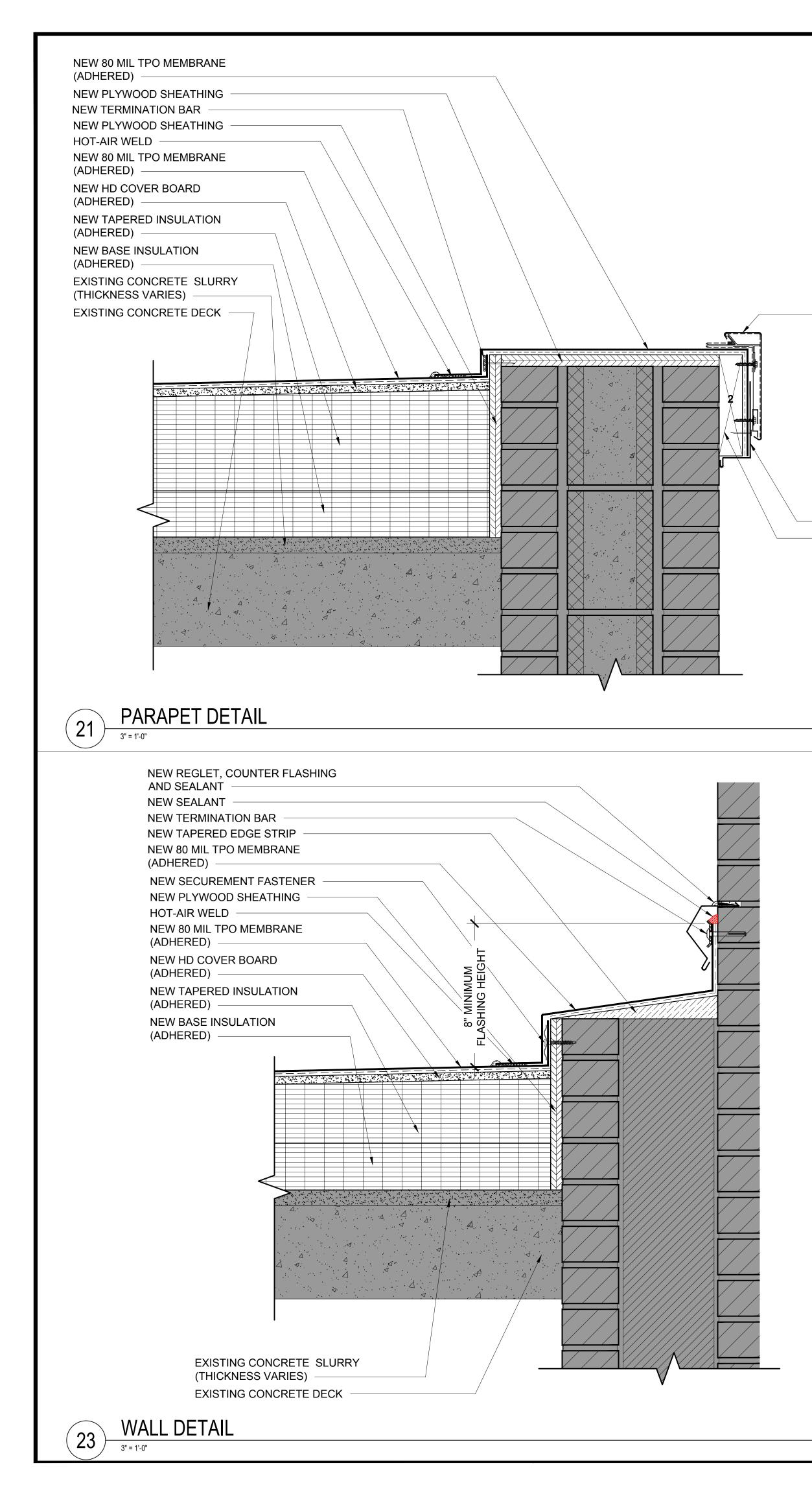




19

3" = 1'-0"



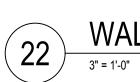


— METAL FASCIA

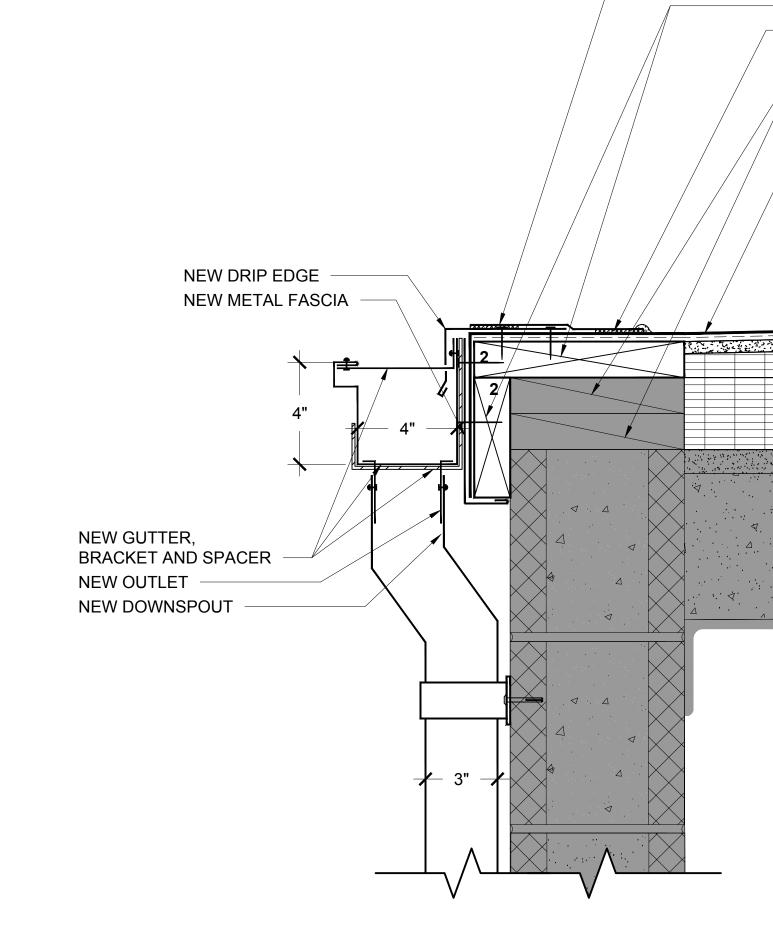
NEW EXTRUDED

NEW FASCIA METAL EXTENSION (PROVIDED BY PRE-ENGINEERED METAL SUPPLIER)





WALL DETAIL 3" = 1'-0"



24 EAVE DETAIL WITH GUTTER/DOWNSPOUT

N N N N N N C N N C N N H H H N (A N (A N (A N (A N (A N (A N N (A N	XISTING EIFS EW EIFS (TO MATCH EXISTING) EW SEALANT EW TERMINATION BAR EW RECEIVER AND OUNTER FLASHING EW 80 MIL TPO FLASHING MEMBRANE EW SECUREMENT FASTENER OT-AIR WELD EW 80 MIL TPO MEMBRANE ADHERED) EW HD COVER BOARD ADHERED) EW TAPERED INSULATION ADHERED) EW BASE INSULATION ADHERED)	<section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header>
(Т Е	XISTING CONCRETE SLURRY 'HICKNESS VARIES) XISTING CONCRETE DECK	PROJECT NAME AND ADDRESSE LEICESSTER ELEMENTARY SCHOOL PARTIAL ROOF REPLACEMENT PARTIAL ROOF REPLACEMENT BARTIAL ROOF REPLACEMENT Signer Roof Bartial Roof Construction Signer Roof Signer Roof Construction Signer Roof Signer Roof Construction Signer Roof Signer Ro
HOT A EXIST NEW (ADHI NEW (ADHI NEW (ADHI NEW	WOOD BLOCKING AIR-WELD TING WOOD BLOCKING 80 MIL TPO MEMBRANE ERED) HD COVER BOARD ERED) TAPERED INSULATION ERED) BASE INSULATION ERED)	ISSUE DATE: 02.20.2018 ISSUE FOR: Construction Documents: Not For Construction
	EXISTING CONCRETE SLURRY (THICKNESS VARIES) EXISTING CONCRETE DECK	ADDENDUM: No: DATE: DESCRIPTION: PROJECT TEAM: DESIGNED BY: JHP DRAWN BY: EGM II APR REVIEWER: VTN TERRACON'S PROJECT NUMBER: FH176189 TITLE SHEET: ROOF DETAILS
		SHEET NUMBER: A5.07

