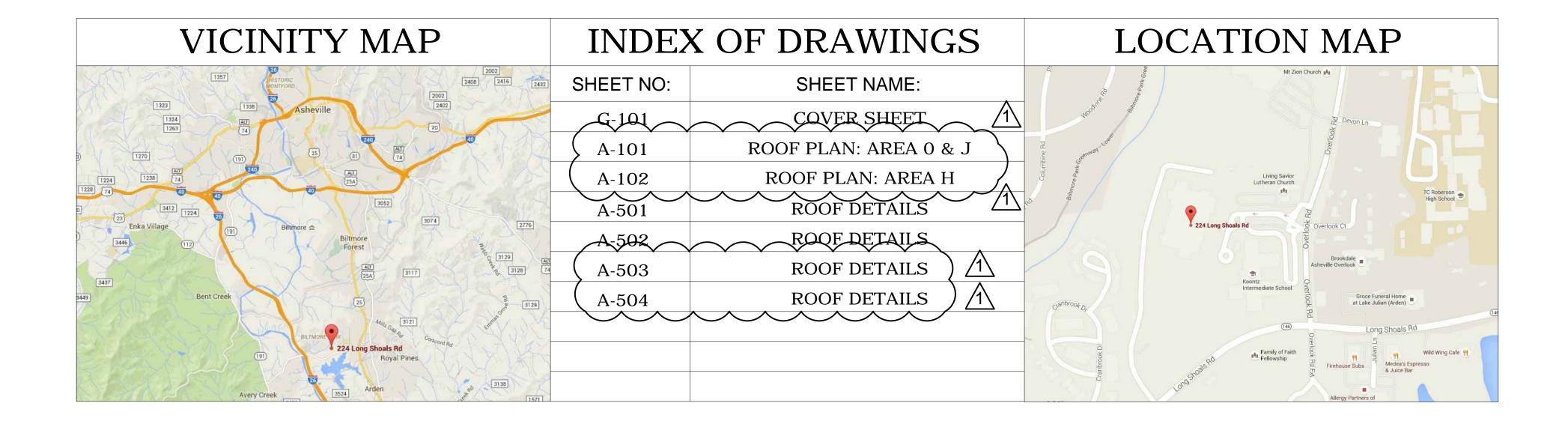


## BUNCOMBE COUNTY SCHOOLS VALLEY SPRINGS MIDDLE SCHOOL ROOF REPLACEMENT PROJECT

224 LONG SHOALS ROAD ARDEN, NORTH CAROLINA





Terracon

onsulting Engineers and Scientists

CHARLOTTE, NORTH CAROLINA p: 704.594.8940 f: 704.509.1888 terracon.com

PROJECT NAME AND ADDRESS:

VALLEY SPRINGS MIDDLE SCHOOL
ROOF REPLACEMENT PROJECT
224 LONG SHOALS ROAD
ARDEN, NORTH CAROLINA

ISSUE DATE:

APRIL 27, 2016

ISSUE FOR:

☐ DESIGN DEVELOPMENT SUBMITTAL

NOT FOR CONSTRUCTION

CONSTRUCTION DOCUMENT SUBMITTAL NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

☐ CONSTRUCTION DOCUMENT SUBMITTA

☐ RECORD DRAWINGS

□ ADDENDUM SUBMITTAL

PROJECT TEAM:

DESIGNED BY:

JJC/JHP

EGM II

APPROVED BY:

PROJECT NUMBER:

E11400440

FH166112

ADDENDUM:

NO 1: DATE: DESCRIPTION:

O5.6.16 ADDENDUM No.1

ENGINEER STATE LICENSE SEAL

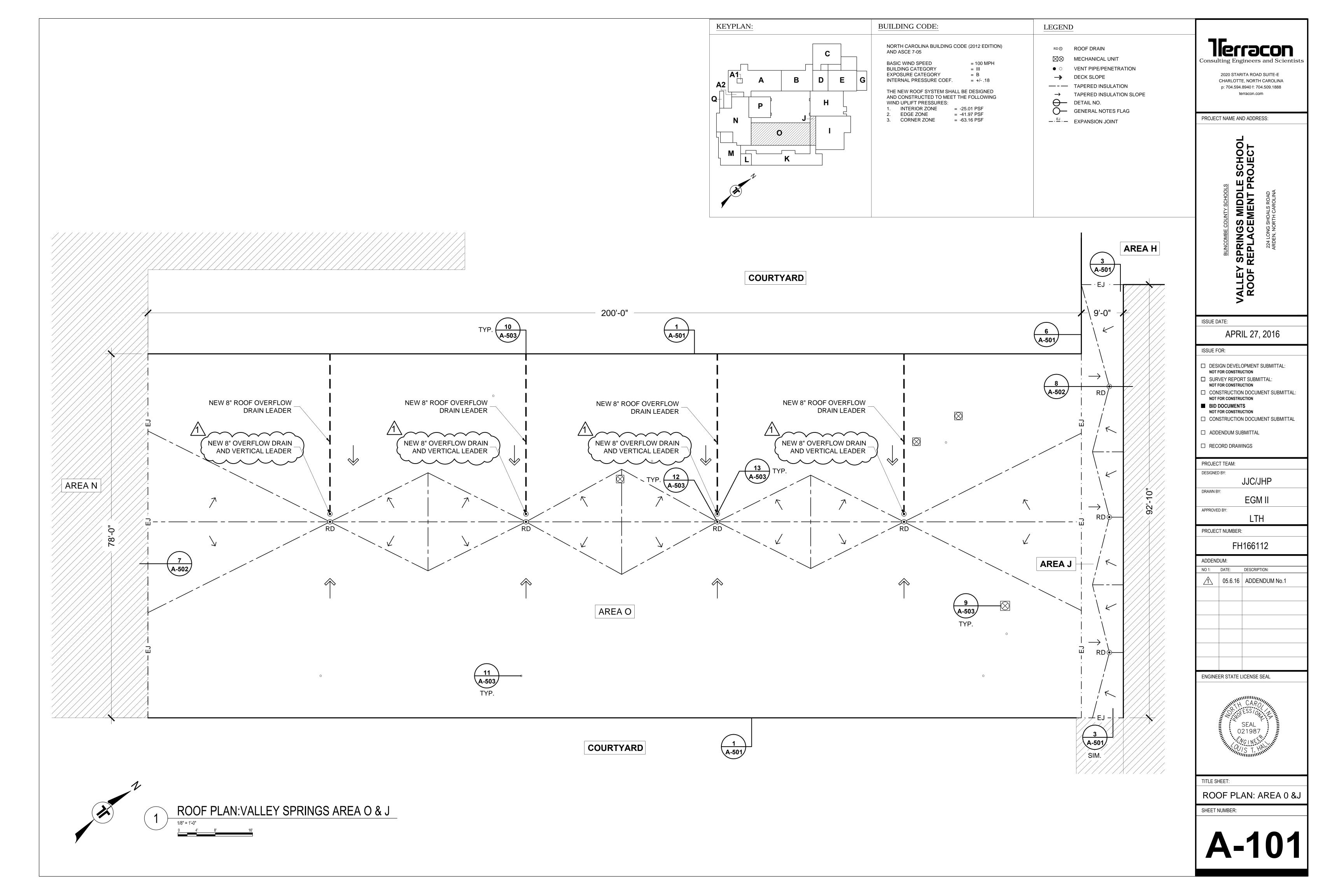


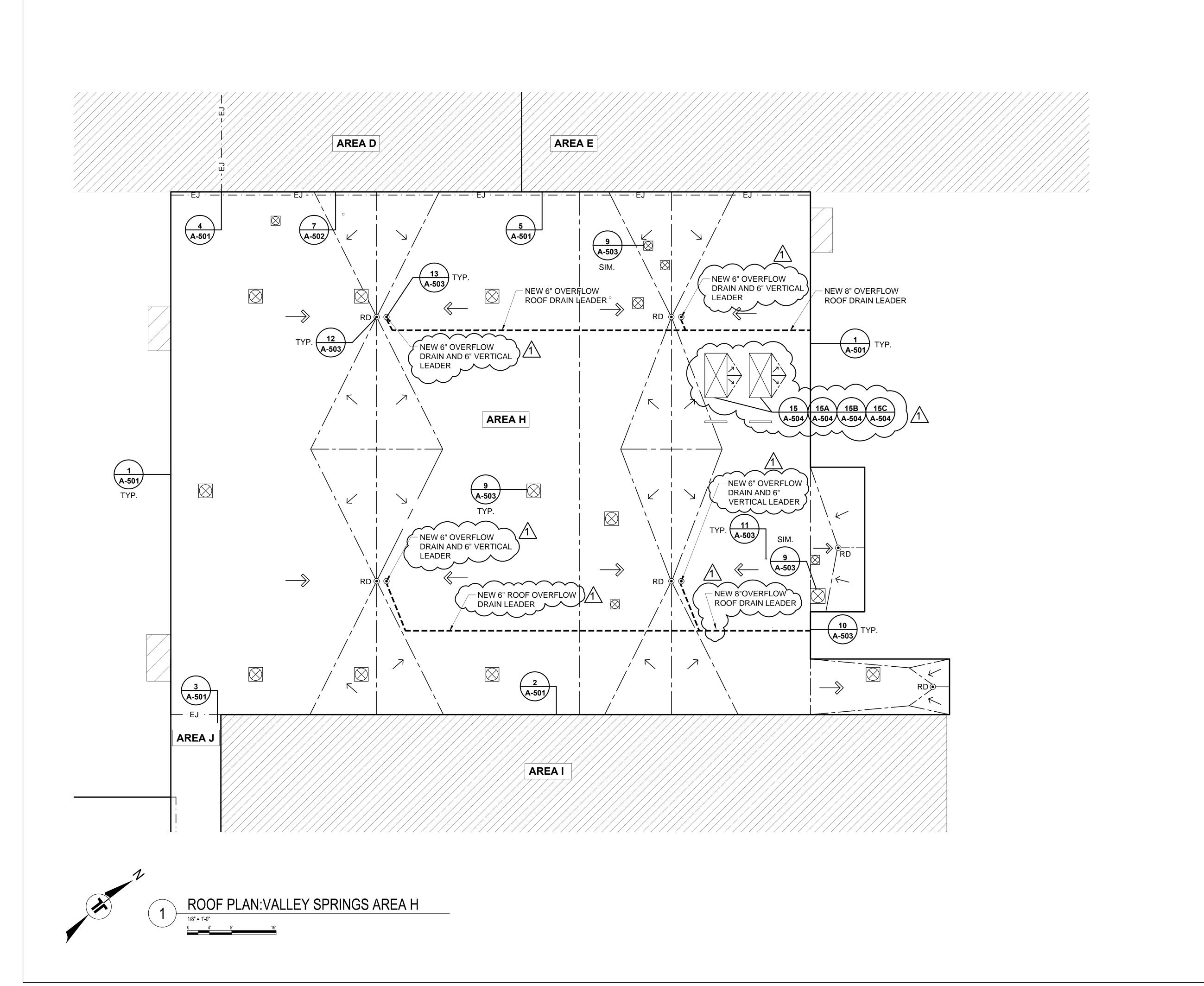
TITLE SHEET:

COVER SHEET

SHEET NUMBER:

G-101





LEGEND RDO ROOF DRAIN AND NEW SUMP consulting Engineers and Scientist VENT PIPE/PENETRATION → DECK SLOPE — - — TAPERED INSULATION → TAPERED INSULATION SLOPE DETAIL NO. GENERAL NOTES FLAG PROJECT NAME AND ADDRESS:  $-\cdot \stackrel{EJ}{-}\cdot -$  EXPANSION JOINT BUILDING CODE: NORTH CAROLINA CODE (2012 EDITION) AND ASCE 7-05 = 100 MPH BASIC WIND SPEED **BUILDING CATEGORY** = 111 EXPOSURE CATEGORY = B INTERNAL PRESSURE COEF. = +/- .18 THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES: INTERIOR ZONE EDGE ZONE = -41.97 PSF CORNER ZONE = -63.16 PSF KEYPLAN: ISSUE DATE: D E ISSUE FOR: ☐ DESIGN DEVELOPMENT SUBMITTAL: NOT FOR CONSTRUCTION ☐ SURVEY REPORT SUBMITTAL: NOT FOR CONSTRUCTION ☐ CONSTRUCTION DOCUMENT SUBMITTAL: NOT FOR CONSTRUCTION ■ BID DOCUMENTS NOT FOR CONSTRUCTION ☐ CONSTRUCTION DOCUMENT SUBMITTAL ☐ ADDENDUM SUBMITTAL ☐ RECORD DRAWINGS PROJECT TEAM: DESIGNED BY:

APPROVED BY: LTH PROJECT NUMBER: FH166112 ADDENDUM: 1 05.6.16 ADDENDUM No.1

JJC/JHP

EGM II

2020 STARITA ROAD SUITE-E

p: 704.594.8940 f: 704.509.1888 terracon.com

SPRINGS MIDDLE SCHOOREPLACEMENT PROJECT

APRIL 27, 2016

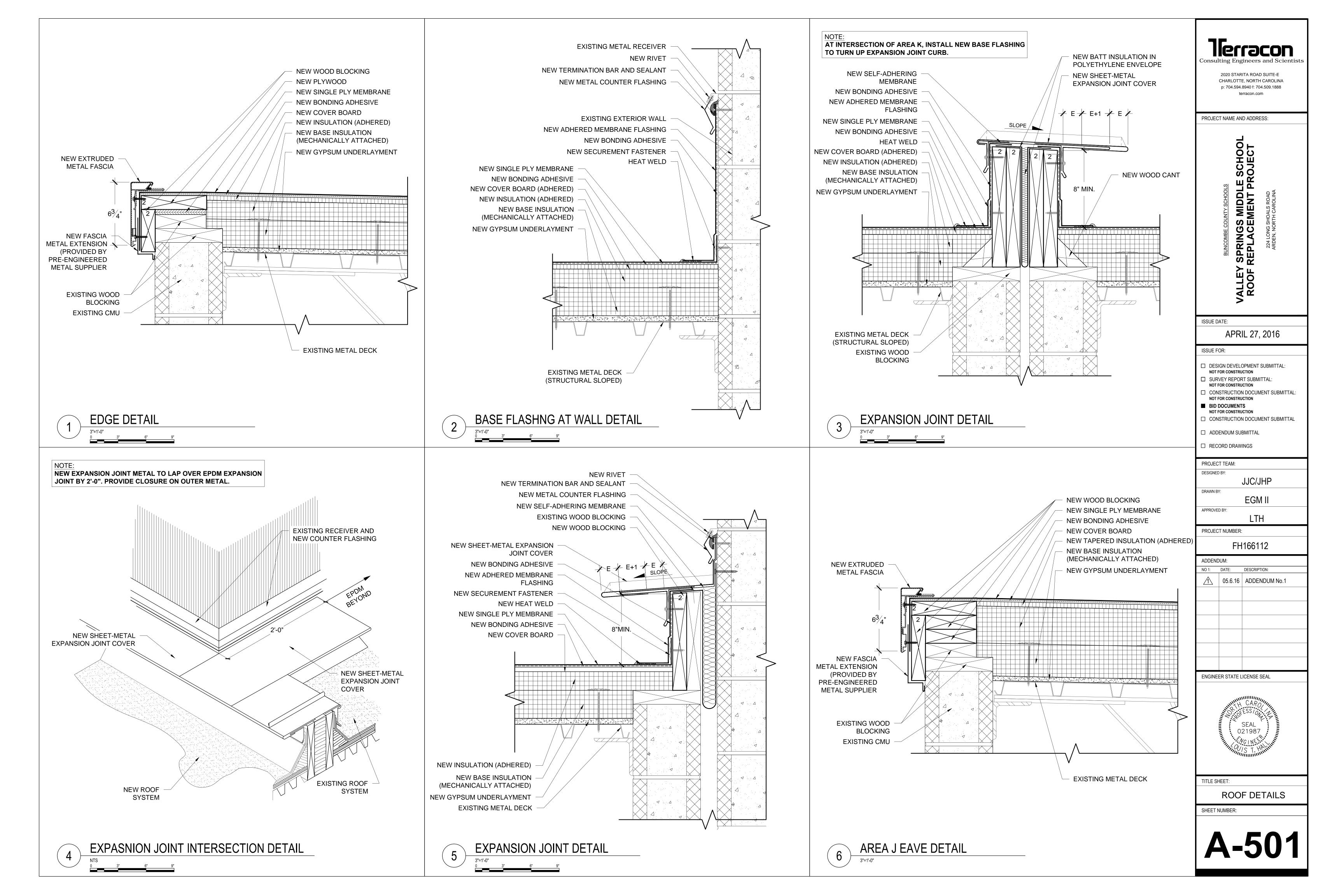
CHARLOTTE, NORTH CAROLINA

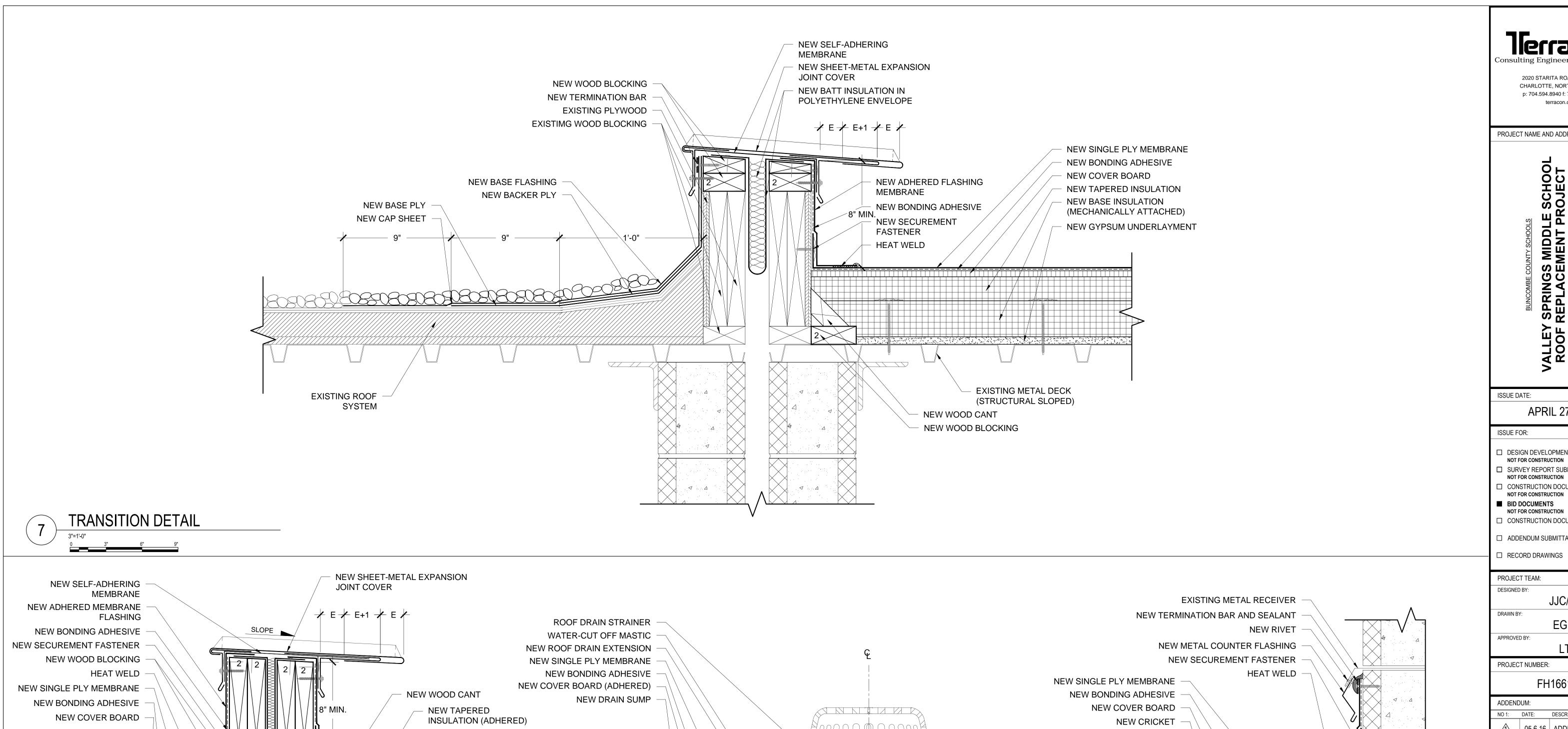
ENGINEER STATE LICENSE SEAL

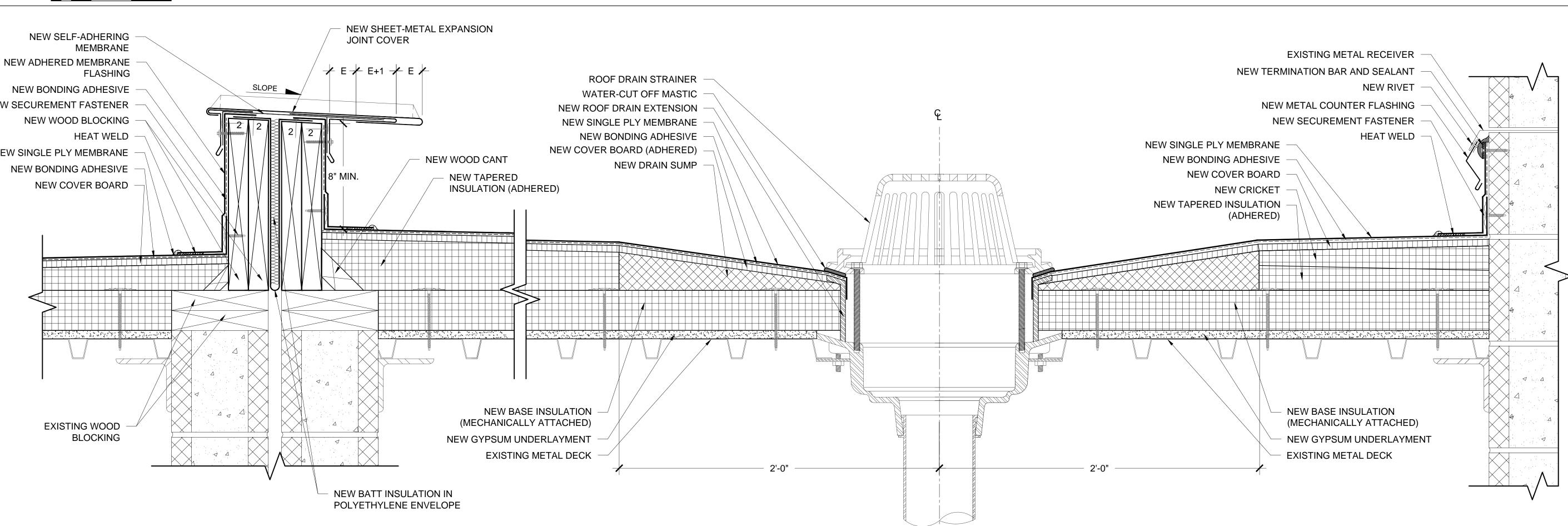


TITLE SHEET: ROOF PLAN: AREA H

SHEET NUMBER:







2020 STARITA ROAD SUITE-E CHARLOTTE, NORTH CAROLINA p: 704.594.8940 f: 704.509.1888 terracon.com

PROJECT NAME AND ADDRESS:

SPRINGS MIDDLE SCHOORE REPLACEMENT PROJECT ALLEY ROOF

APRIL 27, 2016

☐ DESIGN DEVELOPMENT SUBMITTAL:

☐ SURVEY REPORT SUBMITTAL:

☐ CONSTRUCTION DOCUMENT SUBMITTAL:

NOT FOR CONSTRUCTION

☐ CONSTRUCTION DOCUMENT SUBMITTAL

☐ ADDENDUM SUBMITTAL

☐ RECORD DRAWINGS

JJC/JHP

EGM II

LTH

FH166112

NO 1: DATE: DESCRIPTION:

1 05.6.16 ADDENDUM No.1

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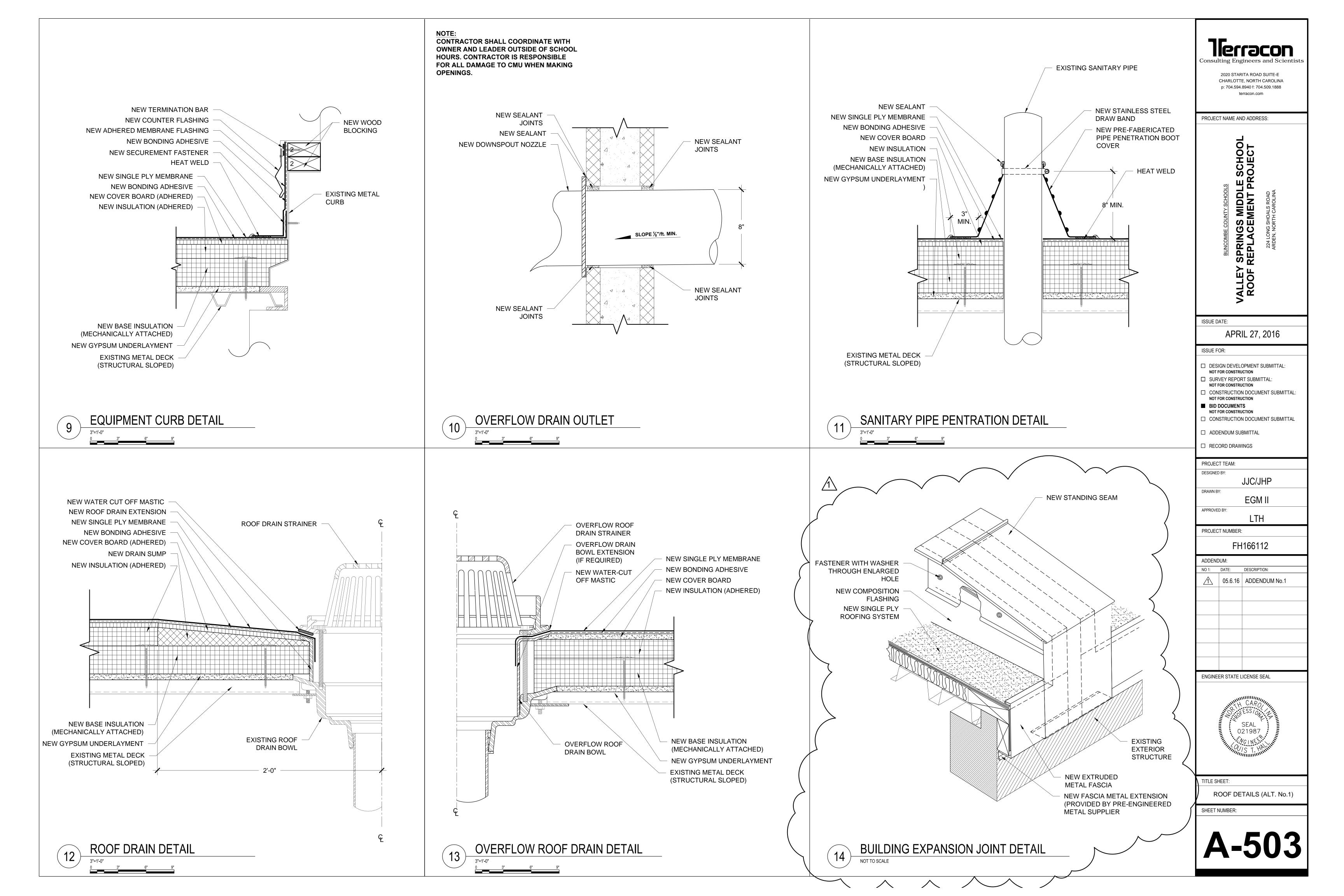
TITLE SHEET:

**ROOF DETAILS** 

SHEET NUMBER:

**A-502** 

ROOF SECTION: AREA I,J & O





NEW SINGLE PLY MEMBRANE
NEW BONDING ADHESIVE
NEW COVER BOARD (ADHERED)
NEW INSULATION (ADHERED)
NEW INSULATION (MECHANICALLY ATTACHED)
NEW GYPSUM UNDERLAYMENT
EXISTING METAL DECK
(STRUCTURAL SLOPED)

NEW WOOD BLOCKING

FLASHING

**EXISTING WOOD** 

**BLOCKING** 

NEW METAL COPING CAP

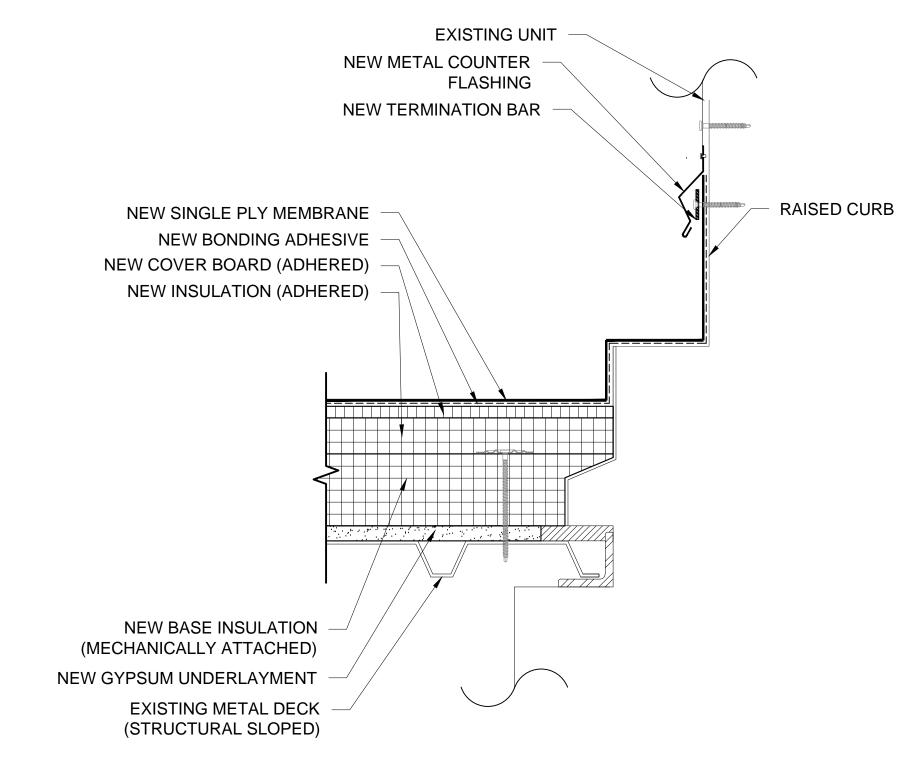
NEW BONDING ADHESIVE

NEW ADHERED MEMBRANE

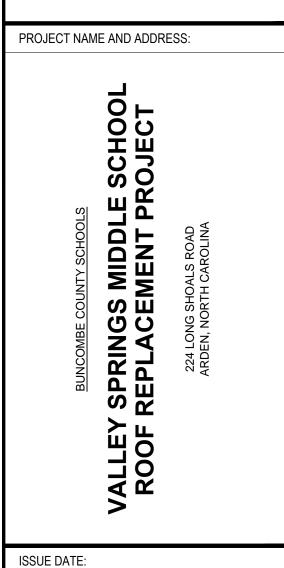
NEW SECUREMENT FASTENER

NEW SINGLE PLY MEMBRANE

NEW BONDING ADHESIVE



EXISTING EQUIPMENT CURB DETAIL



2020 STARITA ROAD SUITE-E

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☐ CONSTRUCTION DOCUMENT SUBMITTAL:NOT FOR CONSTRUCTION■ BID DOCUMENTS

☐ CONSTRUCTION DOCUMENT SUBMITTAL

NOT FOR CONSTRUCTION

☐ ADDENDUM SUBMITTAL

☐ RECORD DRAWINGS

PROJECT TEAM:

DESIGNED BY:

JJC/JHP DRAWN BY:

EGM II
APPROVED BY:

PROJECT NUMBER:

FH166112

ADDENDUM:

NO 1: DATE: DESCRIPTION:

05.6.16 ADDENDUM No.1

ENGINEER STATE LICENSE SEAL

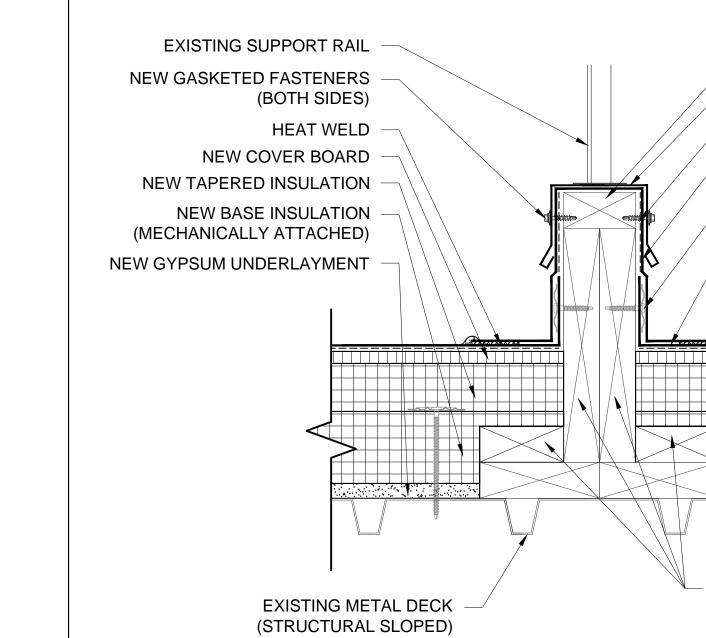


ROOF DETAILS (ALT. No.1)

SHEET NUMBER

A-504

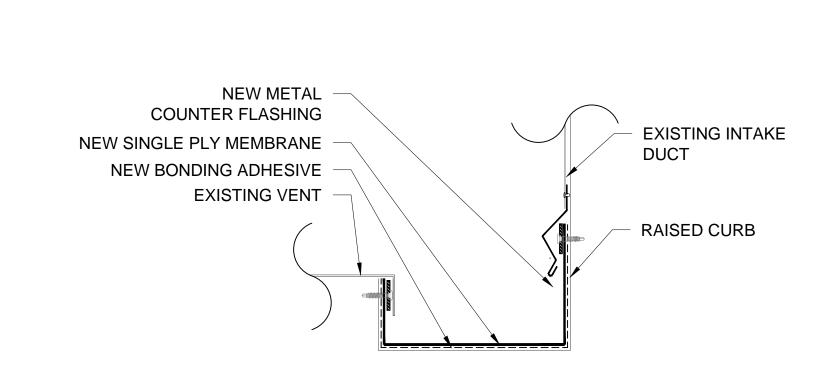
EXISTING EQUIPMENT CURB DETAIL



EXISTING EQUIPMENT SUPPORT CURB DETAIL

3"=1'-0"

9"



**CURB AT ROOF AREA H** 

EXISTING EQUIPMENT CURB COVER FLASHING DETAIL

3"=1'-0"