CHAPTER 5: TABLE 502.2(1) ZONE 4 REQUIRES R-30 MINIMUM CONTINUOUS INSULATION ABOVE ROOF DECK

EXISTING INSULATION TO BE REMOVED AND REPLACED WITH:

5" POLYISOCYANURATE INSULATION (in a minimum of 2 layers) = R-29

5" POLYISOCYANURATE HIGH DENSITY COVER BOARD = R-31.5

TOTAL = R-31.5

EXISTING ROOF CONSTRUCTION: BUILT-UP ROOF MEMBRANE, (2) LAYERS $2\frac{1}{16}$ " FIBERGLASS INSULATION, VAPOR BARRIER, $\frac{5}{6}$ " GYPSUM AND $\frac{1}{2}$ ", 22GA METAL DECK WITH STRUCTURAL SLOPE

2012 NC ENERGY CONSERVATION CODE

101.4.3 READS IN PART:

"ADDITIONS, ALTERATIONS, RENOVATIONS OR REPAIRS PORTION THEREOF SHALL CONFORM TO THE PROVISIONS OF THIS CODE AS THEY RELATE TO NEW CONSTRUCTION WITHOUT REQUIRING THE UNALTERED PORTION(S) OF THE EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THIS CODE. (EMPHASIS ADDED)"

(NON-DOE SOURCE)

per inch of thickness

CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT COSTS AND INSPECTION

ONTRACTOR IS TO PROTECT AND CLEAN BUILDING INTERIOR AS REQUIRED FOR STUDENTS TO *F* EGULARLY. CONTRACTOR IS RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES THAT MAY OCC E-ROOFING PROJECT.

ATTEND SCHOOL

FOR ANY SERVICE

(avg 1.82)

56 to 63

NCDOI ENGINEERING UPDATE NEWSLETTER DATED MAY 30, 2012 PROVIDES REROOFING SCENARIOS AS EXAMPLES OF THE SECTION NOTED ABOVE:

"SCENARIO 3: REMOVE EXISTING ROOF MEMBRANE AND ROOF INSULATION. INSTALL NEW ROOF MEMBRANE AND NEW ROOF INSULATION.

NEW ROOF INSULATION.

SOLUTION 3: NEW INSULATION MUST MEET CURRENT CODE REQUIREMENTS. HARDSHIPS WILL HAVE TO BE ADDRESSED ON A CASE BY CASE BASIS. THE REQUIREMENT FOR ADDING NEW INSULATION IS NOT INTENDED TO ALSO CAUSE EXTENSIVE STRUCTURAL REWORK, i.e., HAVING TO RAISE WINDOWS IN AN ADJOINING WALL OR REQUIRING EXTENSIVE REWORK OF THROUGH WALL FLASHING DRAINAGE SYSTEMS."

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MAIN

ENTRANCE

PROJECT

BASE BID WORK INVOLVES DEMOLITION OF THE EXISTING BUILT UP ROOF TO METAL DECK & INSTALLATION OF NEW GYPSUM BOARD, INSULATION, LIMITED TAPERED INSULATION, COVER BOARD AND FULLY ADHERED .080 TPO MEMBRANE ROOF SYSTEM ON APPROX. 13,600 SQ FEET OF ROOF AREAS K AND K1.

A NEW ANSI-SPRI TESTED METAL EDGE IS REQUIRED IN THE REROOF AREAS AND SHALL BE COVERED BY THE ROOF SYSTEM MANUFACTURER'S FULL SYSTEM WARRANTY. NEW WOOD NAILERS & METAL EXPANSION JOINT COVERS ARE REQUIRED. NEW CURBS AND WALKPADS SHALL BE PROVIDED IN THIS CONTRACT.

MARY BETH KINGSTON, AIA, RRO, LEED AP ASST. FACILITIES DIRECTOR, BUNCOMBE COUNTY SCHOOLS PHONE: 828-255-5916 FAX: 828-255-5923

DESIGN AND TECHNICAL CONTACT:

RON VENTURELLA
PURCHASING OFFICER
PHONE: 828-255-5891
FAX: 828-251-1730

BIDDING & ADMINISTRATIVE CONTACT:

475 ENKA LAKE ROAD CANDLER, NC 28715

COVER SCHEDULE:

SHEET

A104.1 A501.1 COVER, ENERGY CODE & VICINITY PLAN ROOF PLAN AND EXISTING DETAILS

DISTRICT MAP DISTRICT ERWIN ENKA DISTRICT RICI BUNCOMBE DISTRICT NORTH DISTRICT OWEN Buncombe County Schools REYNOLDS DISTRICT Legend

COORDINATE ROOF ACCESS/ LAY DOWN AREA WITH OWNER. PROVIDE CHAIN LINK FENCE ENCLOSURE.

LIMITS

BUILDING "C"

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WORK

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SITE PLAN
NOT TO SCALE

DESIGNED BY: MBK
DATE: NOVEMBER 1, 2012

PROJECT CODE:

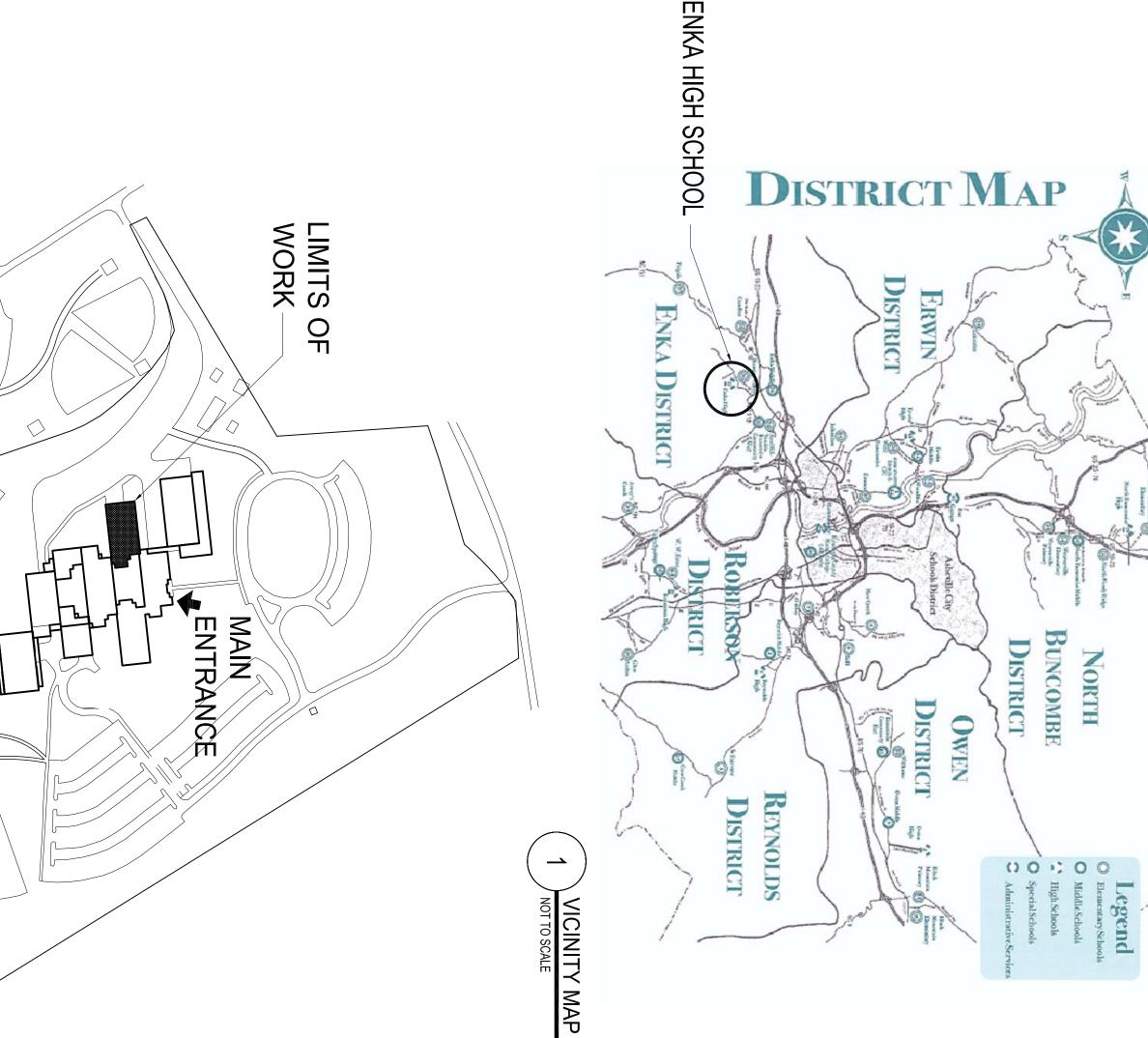
NORTH

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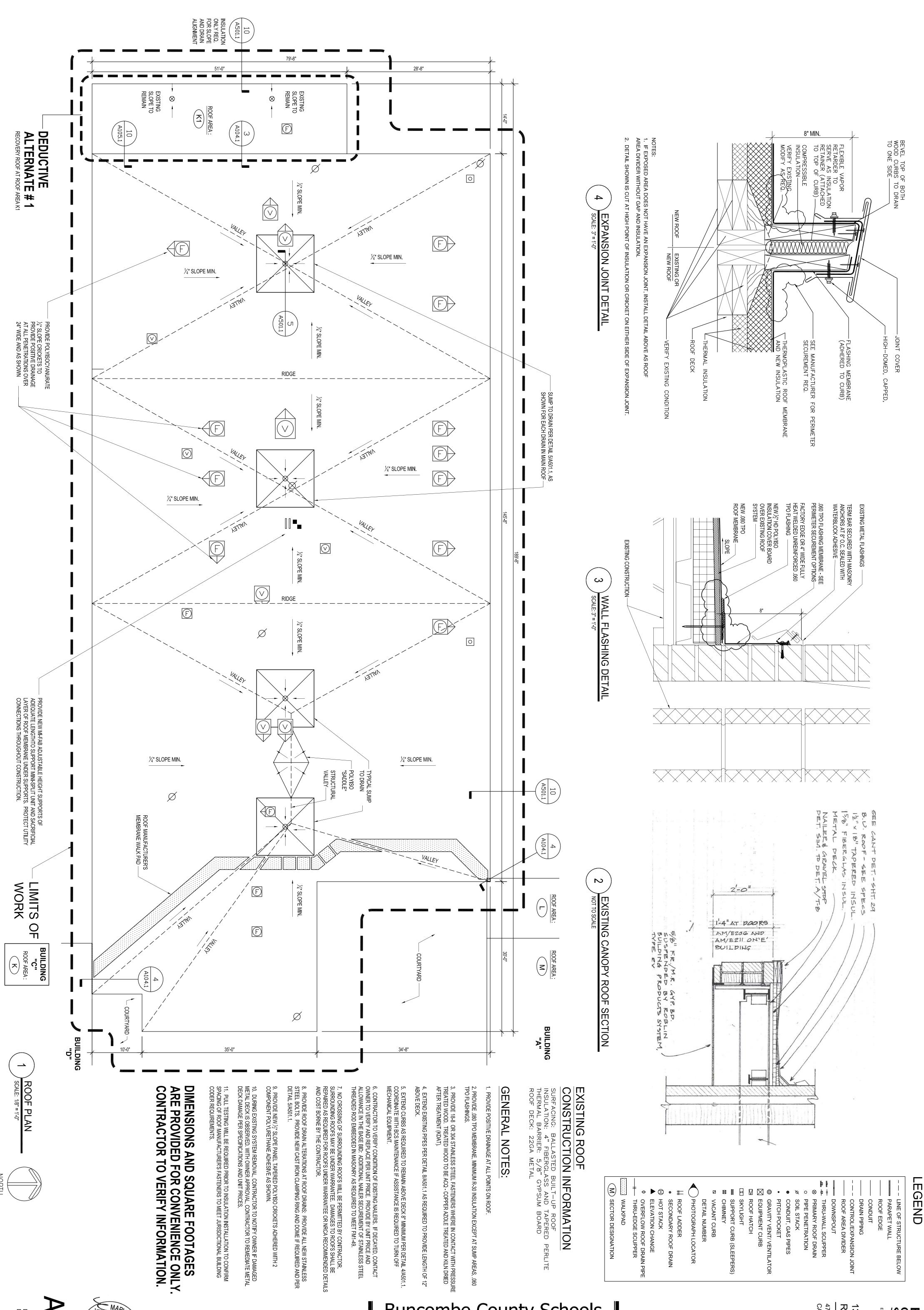
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Buncombe County Schools Facilities and Planning

Timothy Fierle AIA, Director 175 Bingham Road □ Asheville, N.C. 28806-3800 Phone: (828) 255-5916 Fax: (828) 255-5923

13-Enka High Re-Roof Areas K,K1 BUNCOMBE COUNTY SCHOOLS



DESIGNED BY: MBK
DATE: NOVEMBER 1, 2012

PROJECT CODE:

Timothy Fierle AIA, Director

Buncombe County Schools Facilities and Planning

175 Bingham Road □ Asheville, N.C. 28806-3800 Phone: (828) 255-5916 Fax: (828) 255-5923

13-Enka High Re-Roof Areas K,K1 475 ENKA LAKE ROAD CANDLER, NC 28715

BUNCOMBE COUNTY SCHOOLS

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Facilities and Planning

Timothy Fierle AIA, Director

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DATE: NOVEMBER 1, 2012

DETAILS

475 ENKA LAKE ROAD CANDLER, NC 28715

13-Enka High Re-Roof Areas K,K1