

# ROOF REPAIR AND EXTERIOR IMPROVEMENTS

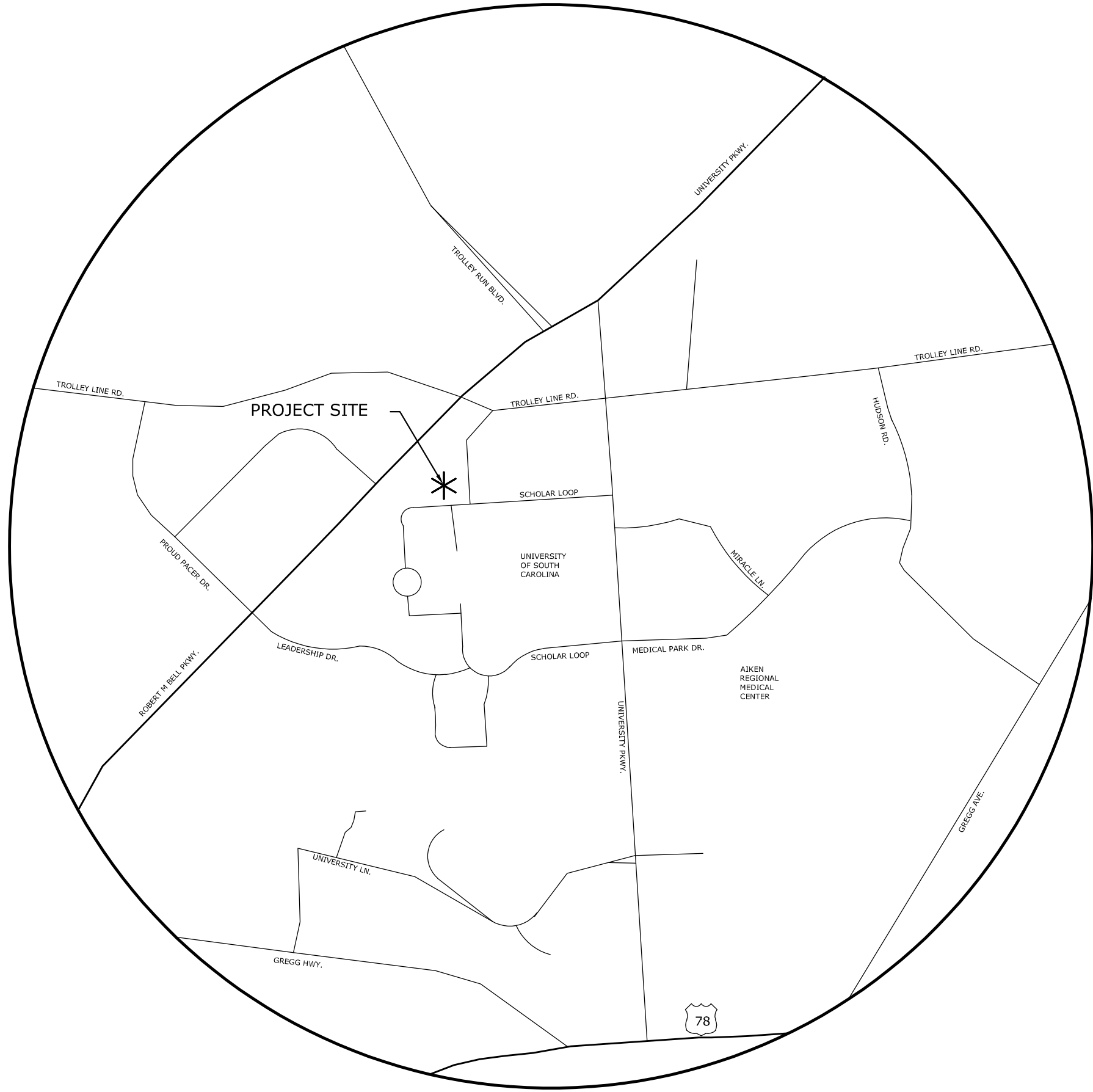
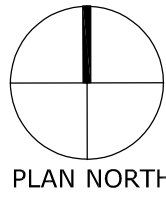
## UNIVERSITY OF SOUTH CAROLINA AT AIKEN

### RUTH PATRICK SCIENCE EDUCATION CENTER

**2KM**  
ARCHITECTS, INC.

529 GREENE ST., AUGUSTA, GA. 30901  
(706) 736 3333 • FAX (706) 736 7100

This document is the property of 2KM Architects, Inc. The unauthorized reproduction, copying, or otherwise use of this document is strictly prohibited and any infringement thereupon may be subject to legal action.  
Copyright © 2014, 2KM Architects, Inc.



#### INDEX OF DRAWINGS

##### ARCHITECTURAL

- A0.1 COVER SHEET  
A1.1 ELEVATIONS  
A1.2 ROOF PLAN/ ROOF DETAIL/ SECTIONS  
A1.3 ADD ALTERNATE #1 FLOORING PLAN/ ENLARGED PLANS

#### APPLICABLE CODES

##### APPLICABLE CODE W/ GEORGIA AMENDMENTS

- 120-3-3 2014 STATE MINIMUM FIRE SAFETY STANDARDS  
ADA 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN  
IBC 2012 INTERNATIONAL BUILDING CODE (2014, 2015 AMENDMENTS)  
IEBC 2012 INTERNATIONAL EXISTING BUILDING CODE (2015 AMENDMENTS)  
IECC 2009 INTERNATIONAL ENERGY CONSERVATION CODE (2011, 2012 AMENDMENTS)  
IFC 2012 INTERNATIONAL FIRE CODE (2014, 2015 AMENDMENTS)  
IFGC 2012 INTERNATIONAL FUEL GAS CODE (2014, 2015 AMENDMENTS)  
IMC 2012 INTERNATIONAL MECHANICAL CODE (2014, 2015 AMENDMENTS)  
IPC 2012 INTERNATIONAL PLUMBING CODE (2014, 2015 AMENDMENTS)  
IRC 2012 INTERNATIONAL RESIDENTIAL CODE (2014, 2015 AMENDMENTS)  
NFPA 10 2013 STANDARD FOR PORTABLE FIRE EXTINGUISHERS  
NFPA 13 2013 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS (PER 120-3-3)  
NFPA 70 2014 NATIONAL ELECTRIC CODE (NEC) (PER 120-3-3)  
NFPA 72 2013 NATIONAL FIRE ALARM CODE (PER 120-3-3)  
NFPA 80 2013 STANDARD FOR FIRE DOORS & OTHER OPENING PROTECTIVES (PER 120-3-3)  
NFPA 90A 2012 STANDARD FOR THE INSTALLATION OF AIR CONDITIONING & VENTILATING SYSTEMS (PER 120-3-3)  
NFPA 101 2012 LIFE SAFETY CODE (PER 120-3-3)  
NFPA 241 2013 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, & DEMOLITION OPERATIONS (PER 120-3-3, PAGE 82, PARAGRAPH 85)  
O.C.G.A. 50-8-18 ENERGY EFFICIENCY & SUSTAINABLE CONSTRUCTION ACT 2008  
ASME A17.1 2007 AMERICAN NATIONAL STANDARD SAFETY CODE (ANSI) FOR ELEVATORS (W/ GA AMENDMENTS)

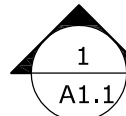
#### ABBREVIATIONS

- |         |                           |         |                            |        |                          |         |                        |
|---------|---------------------------|---------|----------------------------|--------|--------------------------|---------|------------------------|
| A       | AMPERAGE                  | E.S.    | EACH SIDE                  | M.O.   | MASONRY OPENING          | SHT.    | SHEET                  |
| A/C     | AIR CONDITIONER           | EW.C.   | ELECTRIC WATER COOLER      | M/R    | MOISTURE RESISTANT       | SIM.    | SIMILAR                |
| A.F.F.  | ABOVE FINISH FLOOR        | EXP.    | EXPANSION                  | MTL.   | METAL                    | S.P.    | STATIC PRESSURE        |
| ALT.    | ALTERNATE                 | EXT.    | EXTERIOR                   | NEC    | NATIONAL ELECTRICAL CODE | S.S.    | STAINLESS STEEL        |
| AL.     | ALUMINUM                  | F.D.    | FLOOR DRAIN                | O.A.   | OUTSIDE AIR              | STD.    | STANDARD               |
| @       | AT                        | FEC.    | FIRE EXTINGUISHER CABINET  | O.C.   | ON CENTER                | STL.    | STEEL                  |
| ATC     | ACOUSTICAL TILE CEILING   | F.F.L.  | FINISH FLOOR LEVEL         | O.D.   | OUTSIDE DIAMETER         | STR.    | STRUCTURAL             |
| AWG.    | AVERAGE WIRE GAUGE        | FIN.    | FINISH                     | O.H.   | OVERHEAD                 | TEMP.   | TEMPERED               |
| BD.     | BOARD                     | FLR.    | FLOOR                      | P.     | POLE                     | T/      | TOP                    |
| BOT.,B/ | BOTTOM                    | FT.     | FOOT                       | PCPL   | PORTLAND CEMENT PLASTER  | T/F     | TOP OF FOOTING         |
| BRG.    | BEARING                   | F.V.    | FIELD VERIFY               | PL.    | PLATE                    | T/HOLD. | THRESHOLD              |
| BTUH    | BRITISH THERMAL UNIT/HOUR | G.      | GROUND                     | PLAM   | PLASTIC LAMINATE         | T/J     | TOP OF JOIST           |
| B.W.    | BOTH WAYS                 | GA.     | GAUGE                      | PLYWD. | PLYWOOD                  | TRANSL. | TRANSLUCENT            |
| CARP.   | CARPET                    | G.C.    | GENERAL CONTRACTOR         | P.T.   | PRESSURE TREATED         | TYP.    | TYPICAL                |
| CFM     | CUBIC FEET PER MINUTE     | GPDW    | GYPSPUM DRYWALL            | PVC.   | POLY VINYL CHLORIDE      | U.N.O.  | UNLESS NOTED OTHERWISE |
| CJ.     | CONSTRUCTION JOINT        | GPM     | GALLONS PER MINUTE         | Q.T.   | QUARRY TILE              | VCT     | VINYL COMPOSITION TILE |
| C       | CENTER LINE               | H/C     | HANDICAP                   | R.     | RADIUS                   | W/      | WITH                   |
| CL      | CLEARANCE                 | H.M.    | HOLLOW METAL               | R.C.P. | REINFORCED CONCRETE PIPE | W/O     | WITHOUT                |
| CONT.   | CONTINUOUS                | H.P.    | HORSE POWER                | R.D.   | ROOF DRAIN               | WD.     | WOOD                   |
| C.T.    | CERAMIC TILE              | HVAC    | HEAT'G, VENT'G & AIR COND. | RDL.   | ROOF DRAIN LINE          | WM      | WATER METER            |
| DIA.    | DIAMETER                  | I.D.    | INSIDE DIAMETER            | REF.   | REFERENCE                | W/P     | WATERPROOF             |
| DN      | DOWN                      | INSUL.  | INSULATION                 | REINF. | REINFORCING              | WV      | WATER VALVE            |
| DTL.    | DETAIL                    | INT.    | INTERIOR                   | RPM    | REVOLUTIONS PER MINUTE   | W.W.F.  | WELDED WIRE FABRIC     |
| E.C.    | ELECTRICAL CONDUIT        | IN.W.C. | INCHES OF WATER COLUMN     | S.A.T  | SUSPENDED ACOUSTICAL     |         |                        |
| E.F.    | EXHAUST FAN               | JOINT   | JOINT                      |        | CEILING                  |         |                        |
| EPT.    | ENAMEL PAINT              | LGMF    | LIGHT GAUGE METAL          | S.C.   | SOLID CORE               |         |                        |
| E.W.    | EACH WAY                  |         | FRAMING                    | S.H.   | SPRINKLER HEAD           |         |                        |
|         |                           | MAX     | MAXIMUM                    |        |                          |         |                        |

#### GENERAL LEGEND

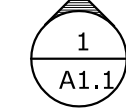
##### 1 DRAWING TITLE

SCALE:



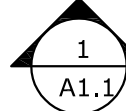
EXTERIOR  
ELEVATION SYMBOL

DETAIL NUMBER  
CROSS REFERENCE SHEET NUMBER



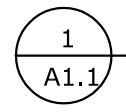
INTERIOR  
ELEVATION SYMBOL

DETAIL NUMBER  
CROSS REFERENCE SHEET NUMBER



SECTION SYMBOL

DETAIL NUMBER  
CROSS REFERENCE SHEET NUMBER



DETAIL SYMBOL

DETAIL NUMBER

CROSS REFERENCE SHEET #

9'-0" A.F.F.

ELEVATION MARKER

STUDIO A  
109

ROOM NAME

ROOM NUMBER

109

DOOR NUMBER

A

WINDOW TYPE

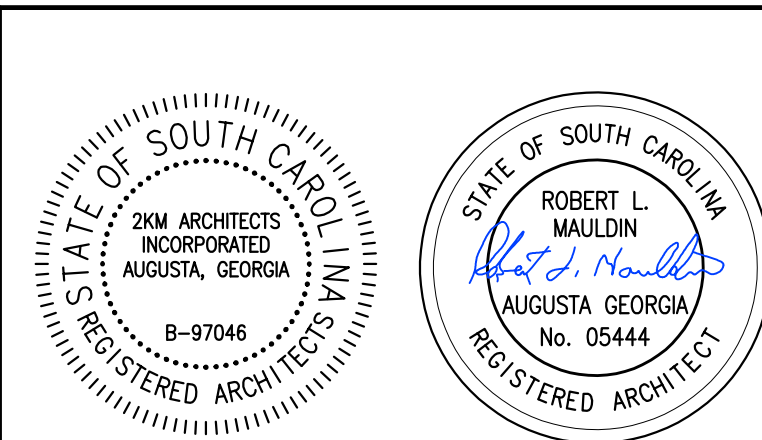
#### LOCATION MAP

NOT TO SCALE

ARCHITECT: ROBERT L. MAULDIN, NCARB, AIA



2KM ARCHITECTS, INC.  
529 GREENE ST.  
PH. 706.736.3333  
FX.. 706.736.7100



DRAWING TITLE

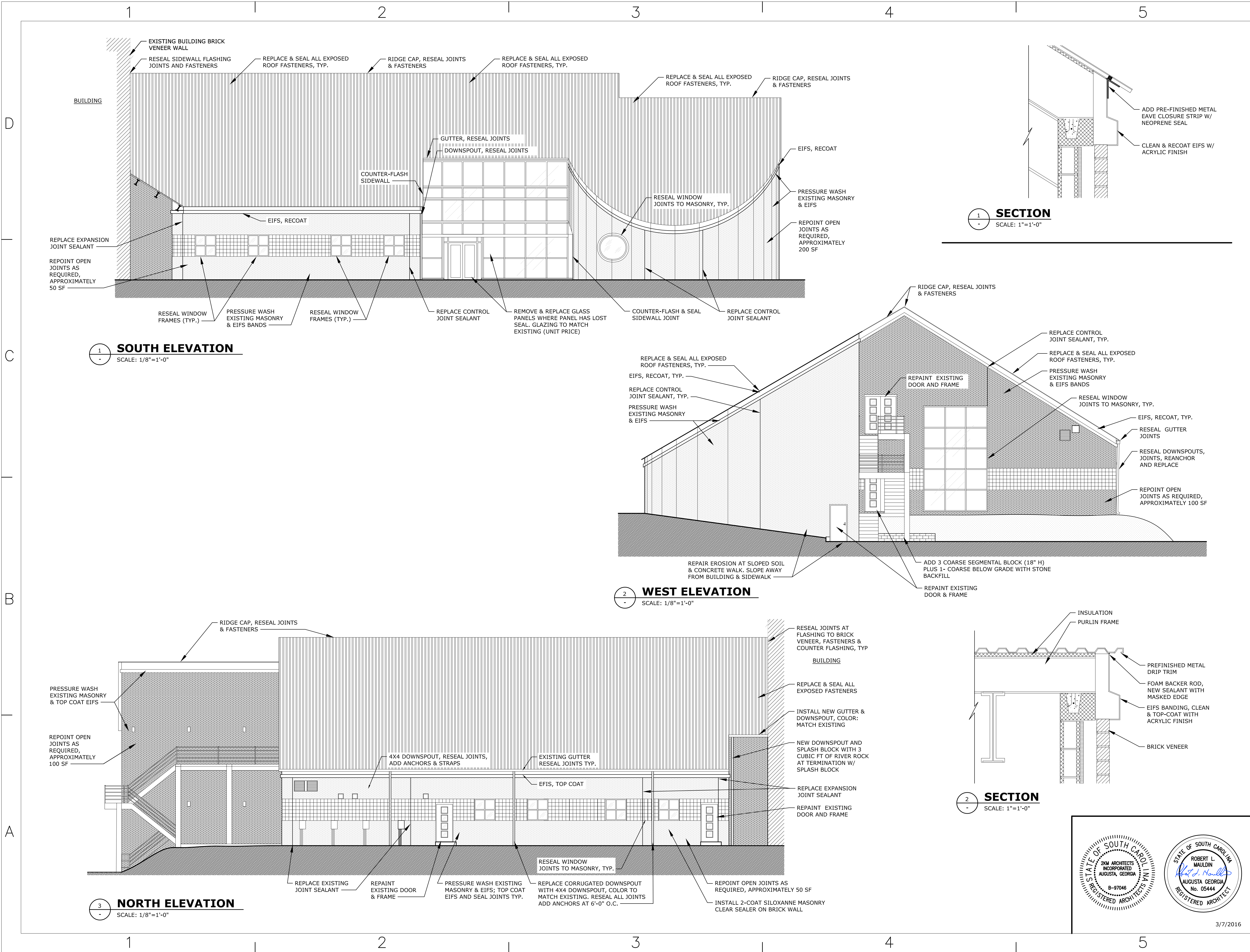
#### INDEX

|             |         |
|-------------|---------|
| PROJECT NO. | 14-15   |
| DATE        | 1/12/15 |
| DRAWN BY    | VB      |
| PAPER       | 24"x36" |
| PRINT       | 1:1     |

DRAWING NO.

**A0.1**





CONSULTANTS

CONSTRUCTION NOTES

- SCOPE OF WORK:
1. BUILDING EXTERIOR
  1. PRESSURE WASH EXISTING MASONRY AND EIFS.
  2. PAINT EIFS TO MATCH EXISTING COLOR.
  3. REMOVES & REPLACE CONTROL JOINT MATERIAL, COLOR TO MATCH EXISTING.
  4. REPOINT OPEN JOINTS AS REQUIRED.
  5. RESEAL WINDOW AND DOOR FRAMES TO MASONRY.
  6. APPLY 2-COAT SILOXANNE MASONRY SEALER.
  7. REPAINT EXISTING DOORS AND FRAMES, COLOR TO MATCH EXISTING.
  8. REPAIR EROSION @ SLOPED SOIL & CONCRETE WALK.

OWNER



PROJECT H29-9549

RUTH PATRICK  
SCIENCE CENTER  
ROOF REPAIRS &  
EXTERIOR IMPROVEMENTS

|      |        |                         |
|------|--------|-------------------------|
| 1    | 3/7/16 | ISSUED FOR BID          |
| 0    | 2/1/15 | ISSUED FOR OWNER REVIEW |
| MARK | DATE   | DESCRIPTION             |

PROJECT NO: H29-9549

CAD DWG FILE:

DRAWN BY: VB

CHK'D BY:

SHEET TITLE:

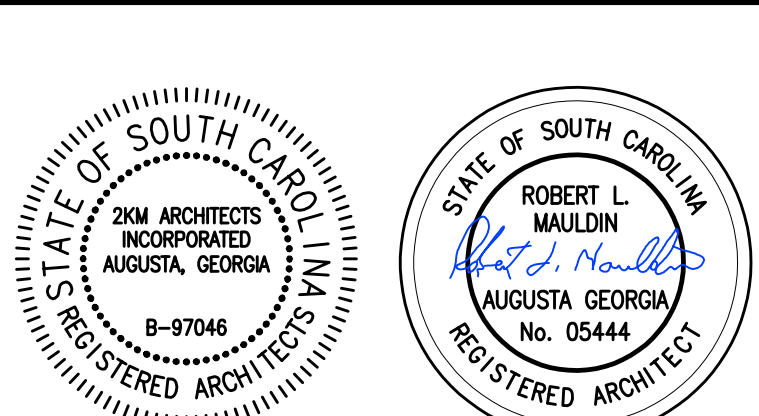
ADD ALTERNATE #1  
ELEVATIONS

SHEET NUMBER:

A1.1

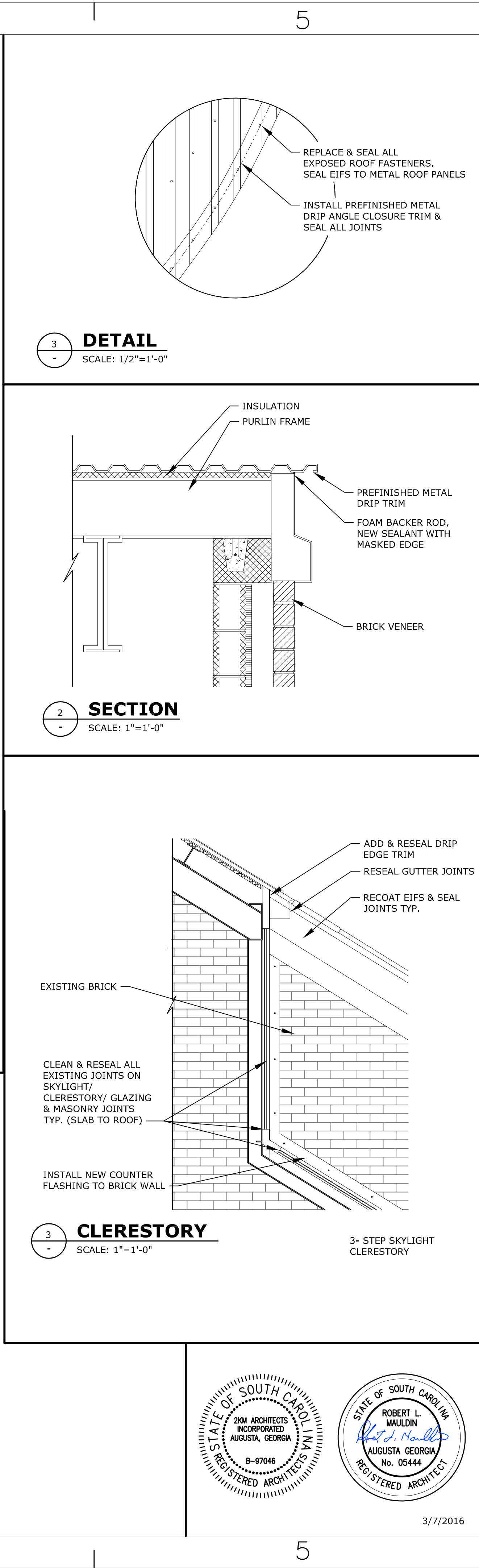
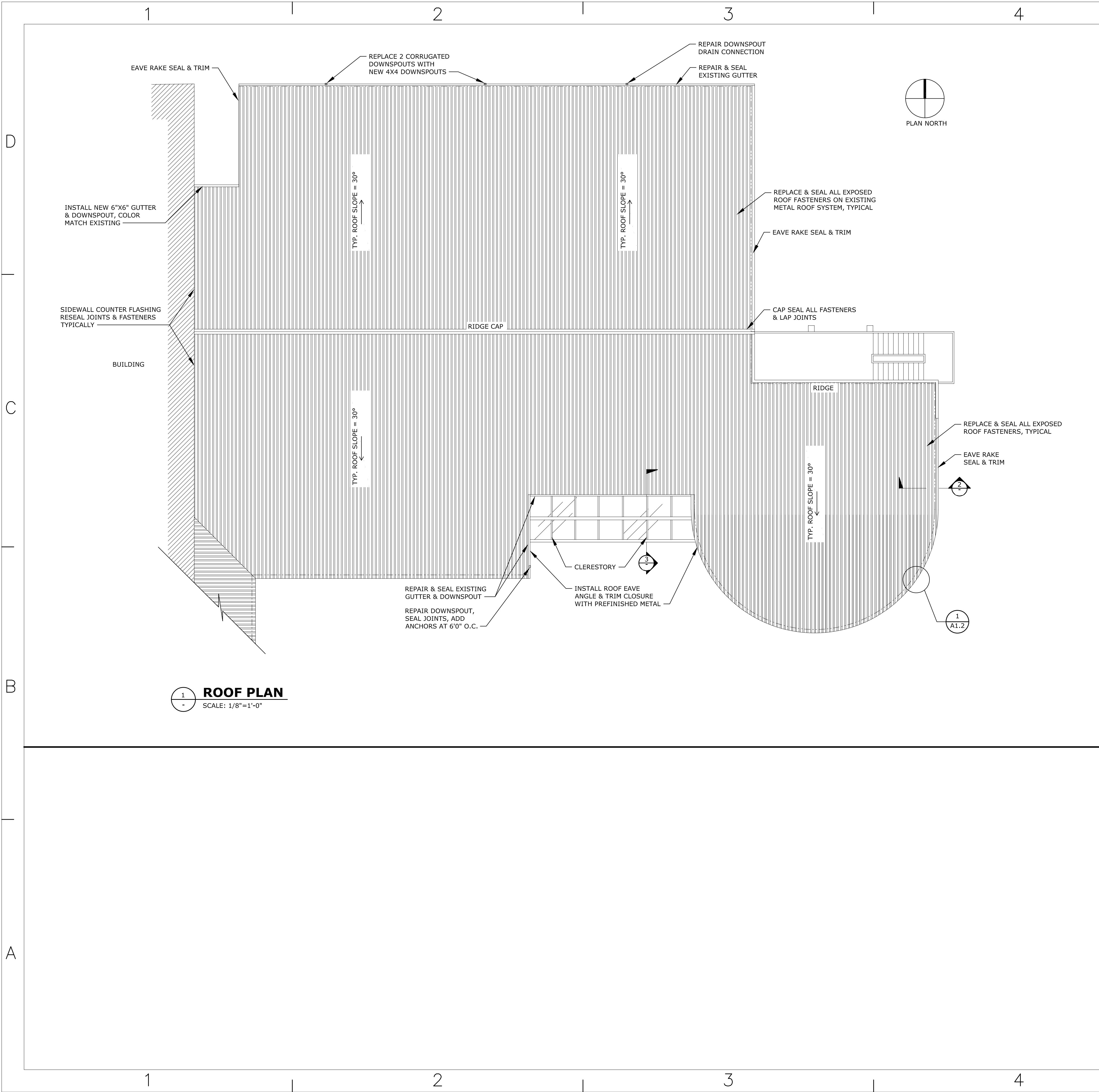
REVISION:

0



3/7/2016





This document is the property of 2KM Architects, Inc. The unauthorized reproduction, copying, or otherwise use of this document is strictly prohibited and any infringement thereupon may be subject to legal action. Copyright © 2016, 2KM Architects, Inc.

#### CONSULTANTS

#### CONSTRUCTION NOTES

- SCOPE OF WORK:
1. REPLACE & SEAL ALL EXPOSED ROOF FASTENERS. COLOR TO MATCH EXISTING ROOF.
  2. RESEAL SIDEWALL FLASHING JOINTS AND FASTENERS.
  3. RESEAL RIDGE CAP & GUTTER JOINTS AND FASTENERS.
  4. INSTALL AND REPLACE DOWNSPOUTS AS NOTED, COLOR TO MATCH EXISTING.
  5. ADD NEW SPLASH BLOCKS AT ALL DOWNSPOUTS.
  6. INSTALL PREFINISHED DRIP ANGLE.
  7. SEAL ROOF TO EIFS WALL TRIM.

#### OWNER



PROJECT H29-9549

#### RUTH PATRICK SCIENCE CENTER ROOF REPAIRS & EXTERIOR IMPROVEMENTS

| MARK | DATE   | DESCRIPTION             |
|------|--------|-------------------------|
| 1    | 3/7/16 | ISSUED FOR BID          |
| 0    | 2/1/15 | ISSUED FOR OWNER REVIEW |

PROJECT NO: 14-15

CAD DWG FILE:

DRAWN BY: VB

CHK'D BY:

SHEET TITLE:

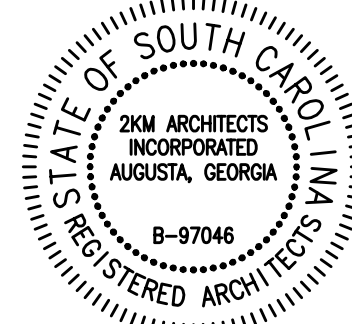
#### ROOF PLAN ROOF DETAIL SECTIONS

SHEET NUMBER:

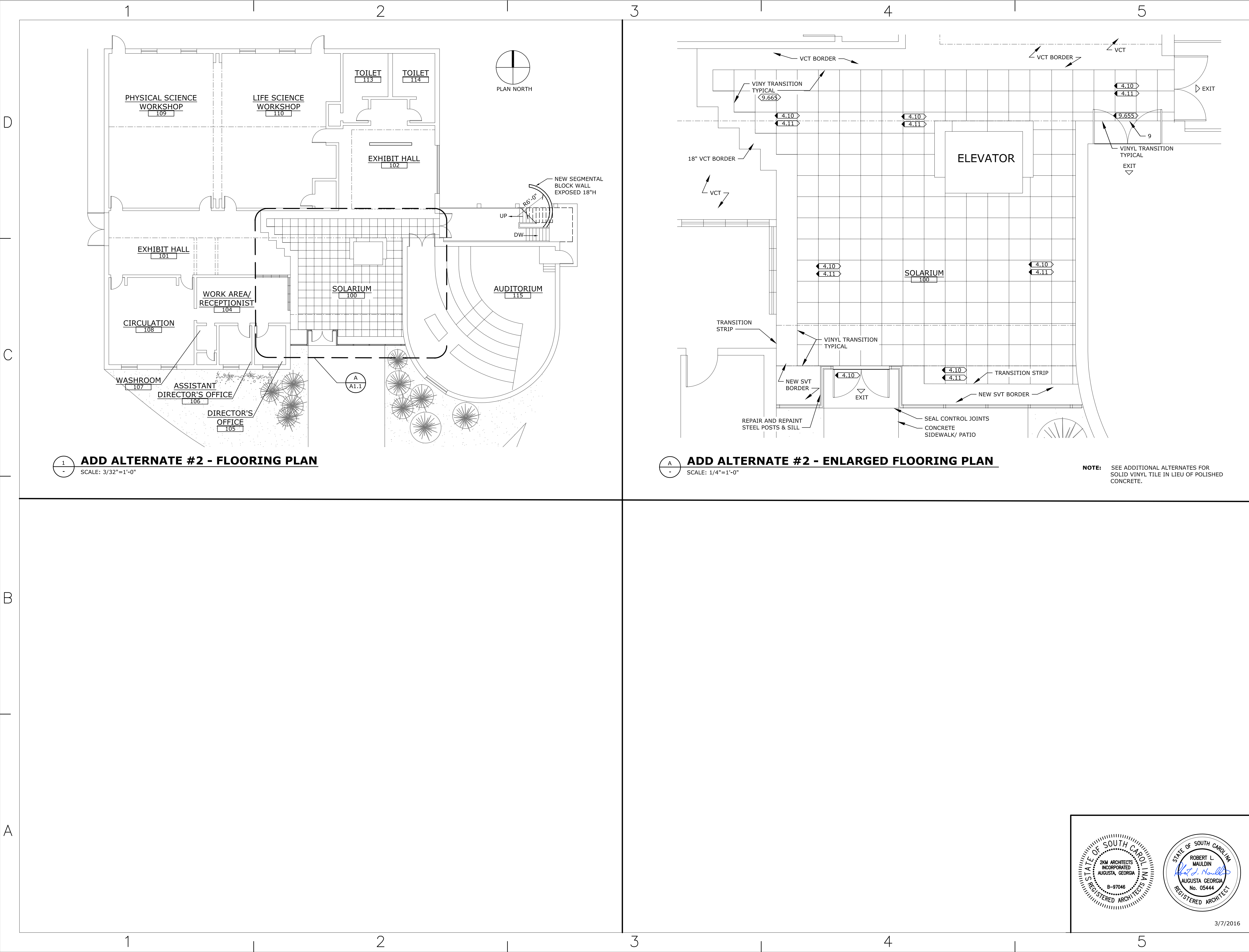
A1.2

REVISION:

0



3/7/2016



This document is the property of 2KM Architects, Inc. The unauthorized reproduction, copying, or otherwise use of this document is strictly prohibited and any infringement thereupon may be subject to legal action. Copyright © 2016, 2KM Architects, Inc.

CONSULTANTS

CONSTRUCTION NOTES

- 4.10 INSTALL CONCRETE TOPPING
- 4.11 INSTALL SVT OVER CONCRETE SLAB
- 9.665 REPLACE TRANSITION STRIP, VCT TO SVT



PROJECT H29-9549  
RUTH PATRICK  
SCIENCE CENTER  
ROOF REPAIRS &  
EXTERIOR IMPROVEMENTS

|      |        |                         |
|------|--------|-------------------------|
|      |        |                         |
|      |        |                         |
|      |        |                         |
|      |        |                         |
|      |        |                         |
|      |        |                         |
|      |        |                         |
|      |        |                         |
|      |        |                         |
| 1    | 3/7/16 | ISSUED FOR BID          |
| 0    | 2/1/15 | ISSUED FOR OWNER REVIEW |
| MARK | DATE   | DESCRIPTION             |

|   |           |
|---|-----------|
| PROJECT NO: 14-15                                   |           |
| CAD DWG FILE:                                       |           |
| DRAWN BY: VB  |           |
| CHK'D BY:   |           |
| SHEET TITLE:  |           |
| ADD ALTERNATE #2<br>FLOORING PLAN<br>ENLARGED PLANS |           |
| SHEET NUMBER:                                       | REVISION: |
| A1.3  | 0         |

