

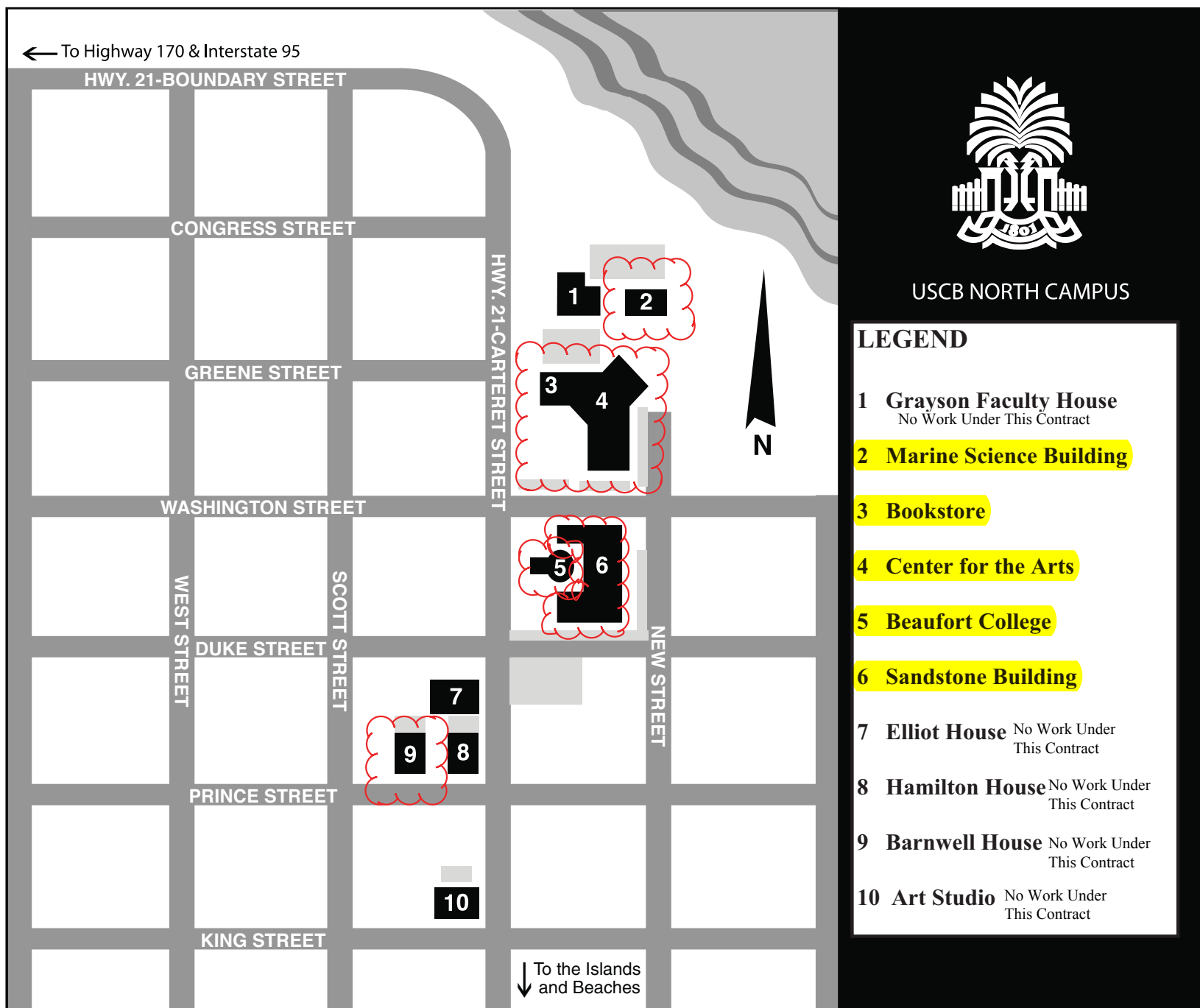
# UNIVERSITY OF SOUTH CAROLINA BEAUFORT

## Beaufort Campus HVAC Modifications

Project No: H36-9513

Drawings

July 30, 2013



# ESSEX

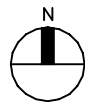
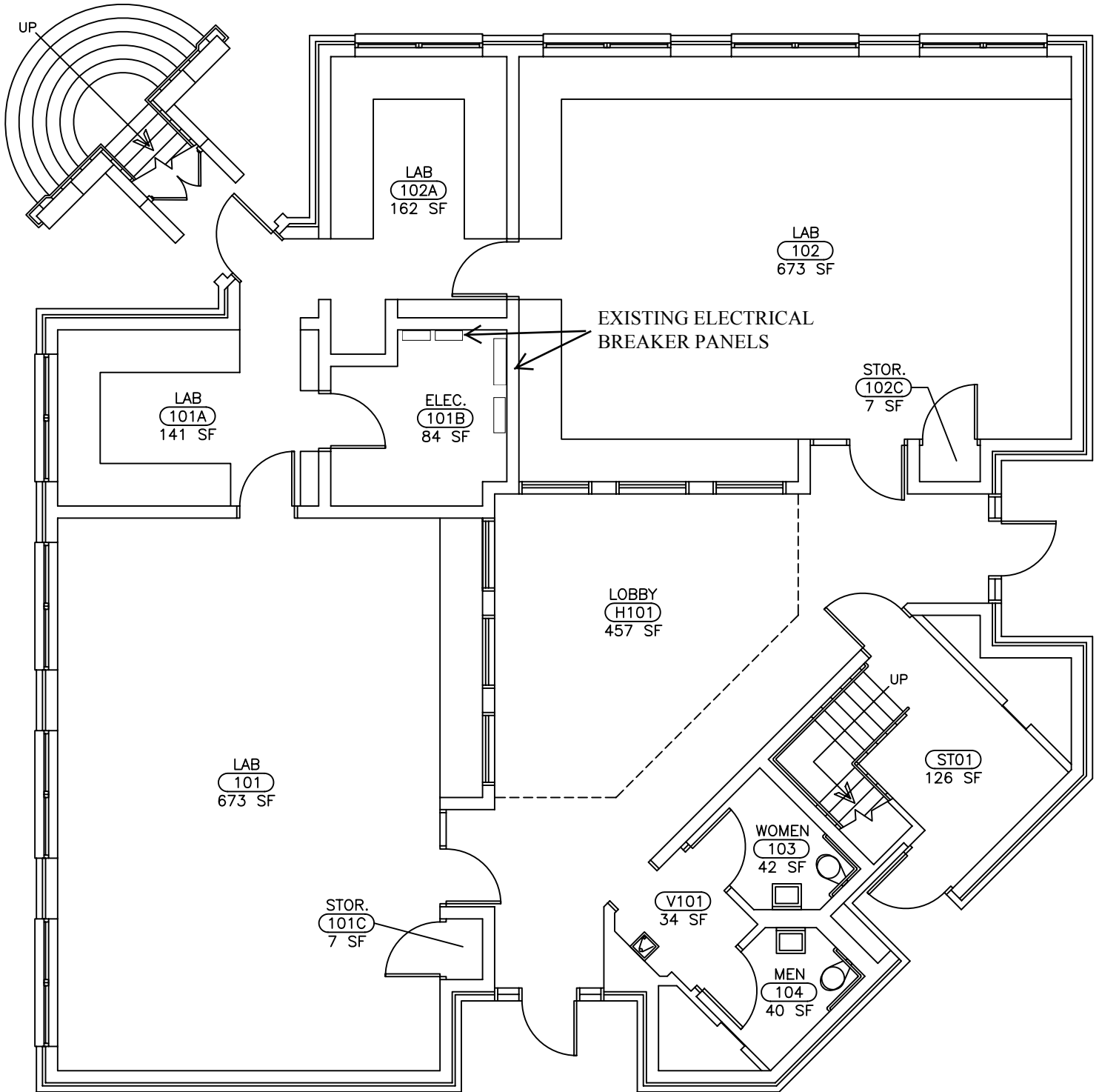
MANAGERS | ENGINEERS | CONSULTANTS

2572 Apple Valley Road, Suite 200  
Atlanta, Georgia 30319 - 3527  
404 365 9482 (tel) 404.365.8163 (fax)

4611 Hard Scrabble Road, Suite 109-364  
Columbia, South Carolina 29229  
803 873 9910 (tel) 803 873 9913 (fax)

[www.essexco.com](http://www.essexco.com)

*A Woman-Owned, Small Business (WOSB)*



## FIRST FLOOR PLAN

NOT TO SCALE

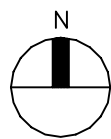
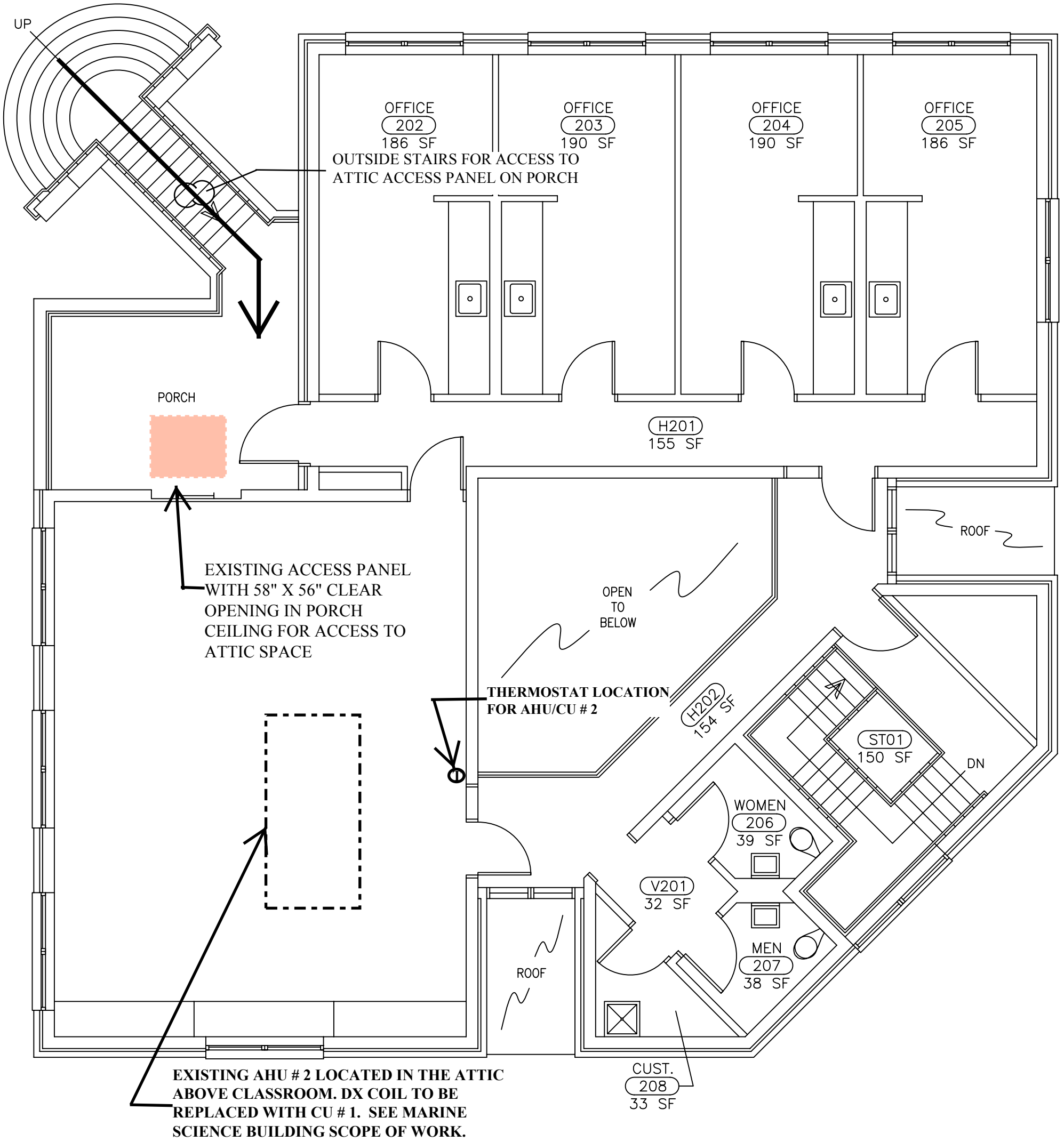
UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

**MARINE SCIENCE BUILDING**

DRAWING NO.

**MSB - 1**

July 30, 2013



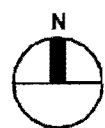
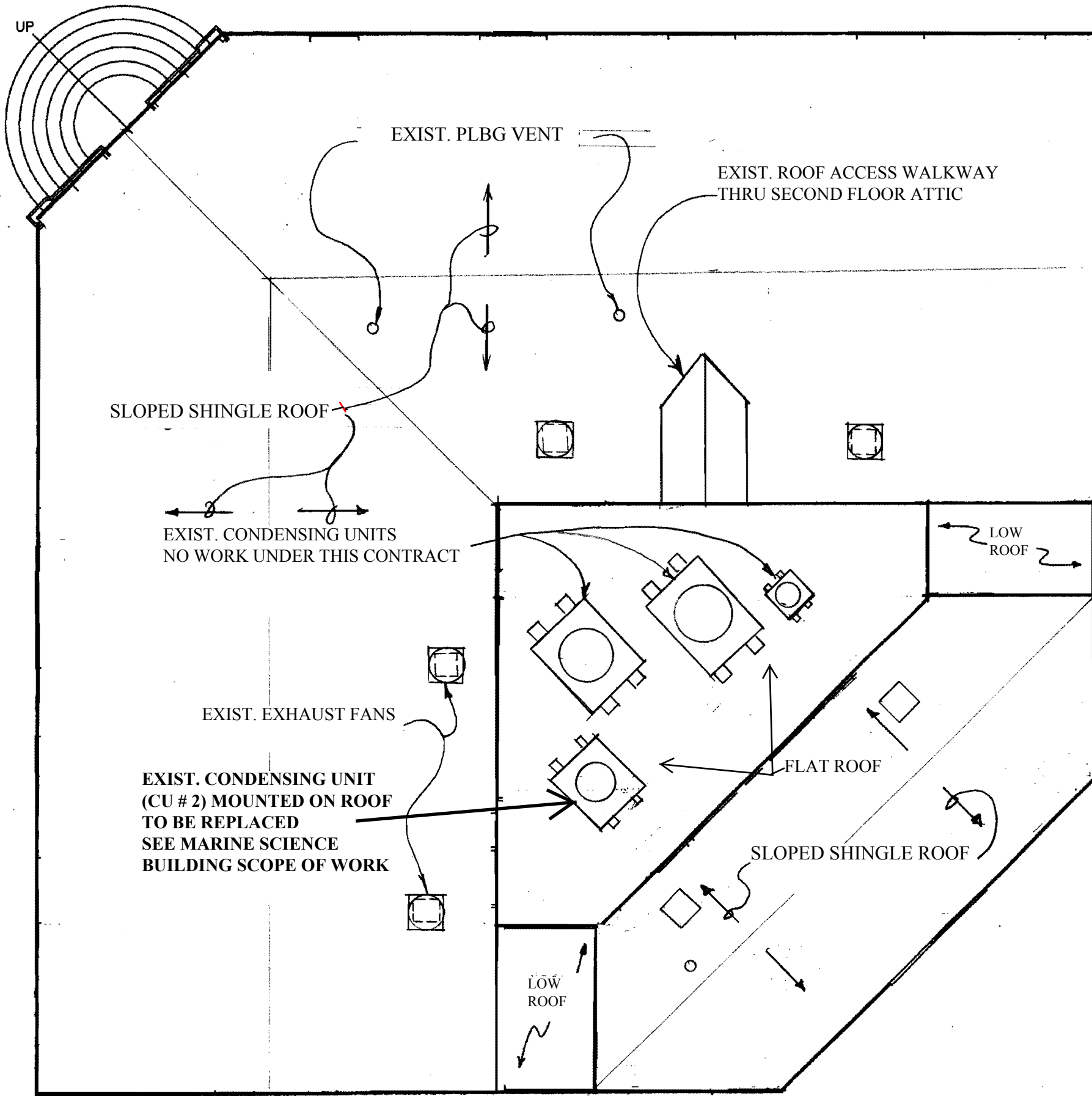
**SECOND FLOOR PLAN**

NOT TO SCALE

UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

**MARINE SCIENCE BUILDING**

DRAWING NO. **MSB- 2** July 30, 2013



**MARINE SCIENCE BUILDING ROOF PLAN**

NOT TO SCALE

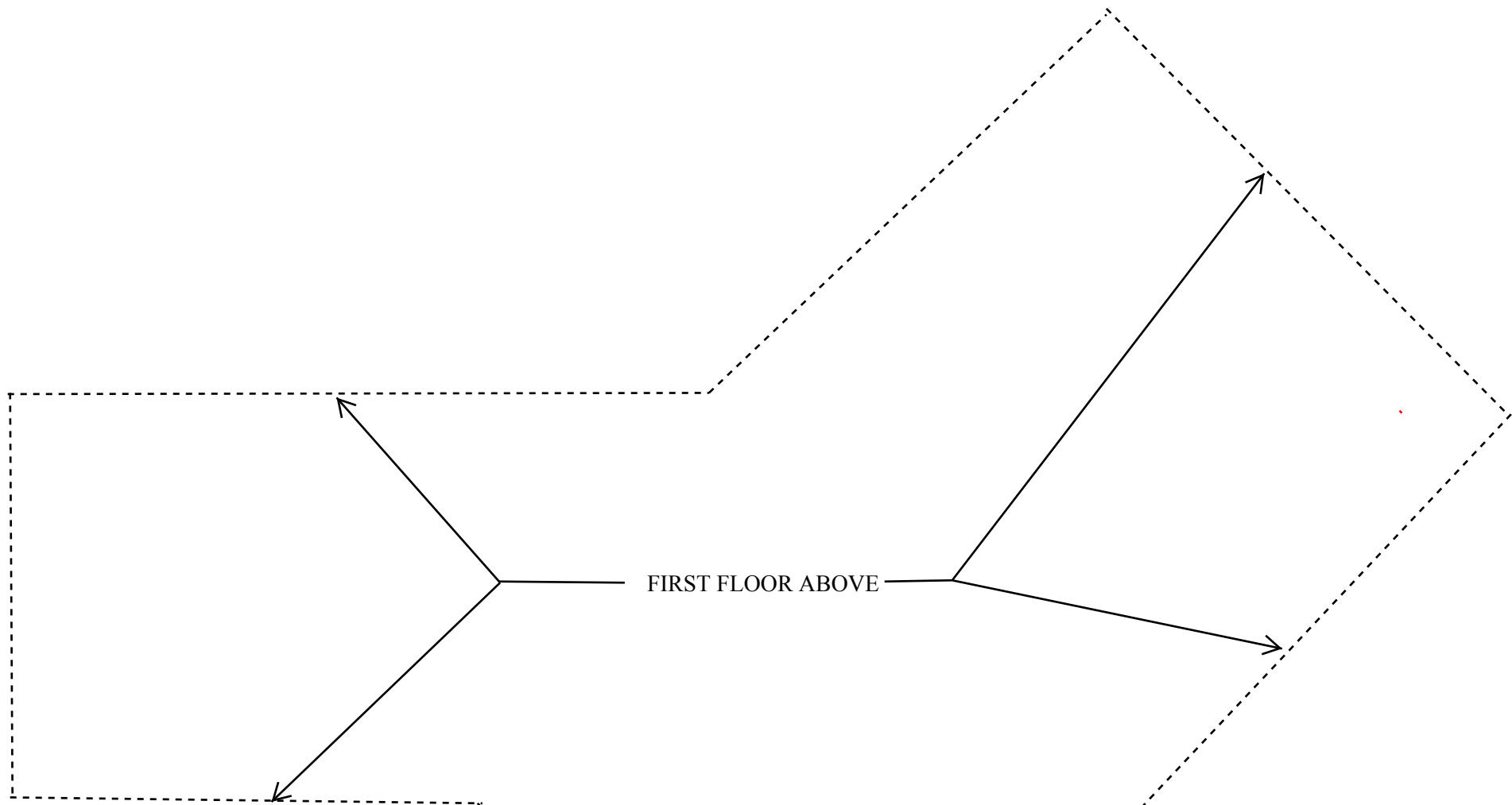
UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

**MARINE SCIENCE BUILDING**

DRAWING NO.

**MSB - 3**

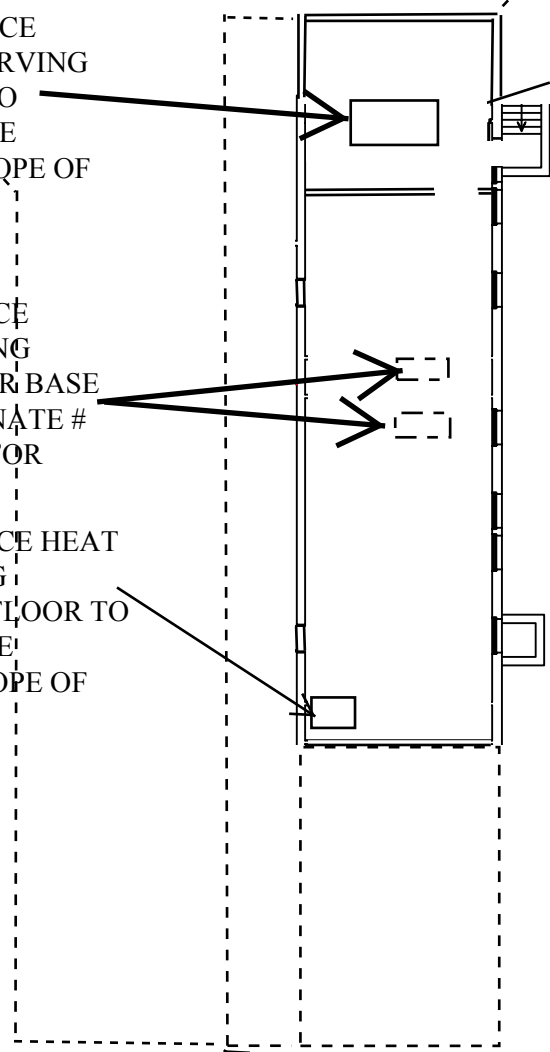
July 30, 2013



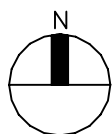
EXISTING WATER SOURCE  
HEAT PUMP AHU B-1 SERVING  
THE THEATRE LOBBY TO  
REMAIN IN SERVICE. SEE  
ALTERNATE # 2 FOR SCOPE OF  
WORK FOR THIS UNIT

EXISTING WATER SOURCE  
HEAT PUMP CIRCULATING  
PUMPS. NO WORK UNDER BASE  
CONTRACT. SEE ALTERNATE #  
2 FOR SCOPE OF WORK FOR  
THESE PUMPS.

EXISTING WATER SOURCE HEAT  
PUMP AHU B-2, SERVING  
CLASSROOM ON FIRST FLOOR TO  
REMAIN IN SERVICE. SEE  
ALTERNATE # 2 FOR SCOPE OF  
WORK FOR THIS UNIT



FIRST FLOOR ABOVE



**BASEMENT FLOOR PLAN**

NOT TO SCALE

UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

**CENTER FOR THE ARTS**

DRAWING NO.

**CFA - 1**

July 30, 2013





EXISTING WATER SOURCE HEAT PUMP AHU 2-8, SERVING THE THEATRE TO REMAIN IN SERVICE. SEE ALTERNATE # 2 FOR SCOPE OF WORK FOR THIS UNIT

EXISTING WATER SOURCE HEAT PUMP AHU 2-7, SERVING THE BACK OF HOUSE AREA TO REMAIN IN SERVICE. SEE ALTERNATE # 2 FOR SCOPE OF WORK FOR THIS UNIT

AHU 1-6, LOCATED IN THE ATTIC SPACE ABOVE THE FIRST FLOOR, TO BE REPLACED. SEE CENTER FOR THE ARTS SCOPE OF WORK

EXISTING ABANDONED WATER SOURCE HEAT PUMP. NO WORK UNDER THIS CONTRACT

ACCESS DOOR FOR ACCESS TO AHU 1-5 and 1-6 LOCATED IN ATTIC SPACE ABOVE FIRST FLOOR

AHU 2-5  
THERMOSTAT LOCATION FOR AHU 2-5

PATHWAY FOR ACCESS TO AC UNITS LOCATED IN FIRST FLOOR ATTIC AND SECOND FLOOR ATTIC.

AHU 2-4 AND AHU 2-5, LOCATED IN THE ATTIC SPACE ABOVE THE SECOND FLOOR, TO BE REPLACED. SEE CENTER FOR THE ARTS SCOPE OF WORK

ACCESS DOOR WITH 53"X36" CLEAR OPENING, IN THE CEILING OF THE CONTROL ROOM FOR ACCESS TO AHU 2-1, 2-2, 2-3, 2-4 & 2-5 LOCATED IN THE ATTIC SPACE ABOVE THE SECOND FLOOR.

EXISTING WATER SOURCE HEAT PUMP AHU 1-5 LOCATED IN THE ATTIC SPACE ABOVE THE FIRST FLOOR TO REMAIN IN SERVICE. SEE ALTERNATE # 2 FOR SCOPE OF WORK.

THERMOSTAT LOCATION FOR AHU 2-3

AHU 2-3

EXISTING WATER SOURCE HEAT PUMP AHU 2-6, SERVING THE THEATRE TO REMAIN IN SERVICE. SEE ALTERNATE # 2 FOR SCOPE OF WORK FOR THIS UNIT

EXISTING WATER SOURCE HEAT PUMP LOCATED IN THE ATTIC SPACE ABOVE THE SECOND FLOOR TO REMAIN IN SERVICE. SEE ALTERNATE # 2 FOR SCOPE OF WORK ON THESE UNITS

THERMOSTAT LOCATION FOR AHU 2-2

THERMOSTAT LOCATION FOR AHU 2-1

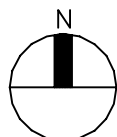
AHU 2-2

AHU 2-1

ST01  
221 SF

**SECOND FLOOR PLAN**

NOT TO SCALE



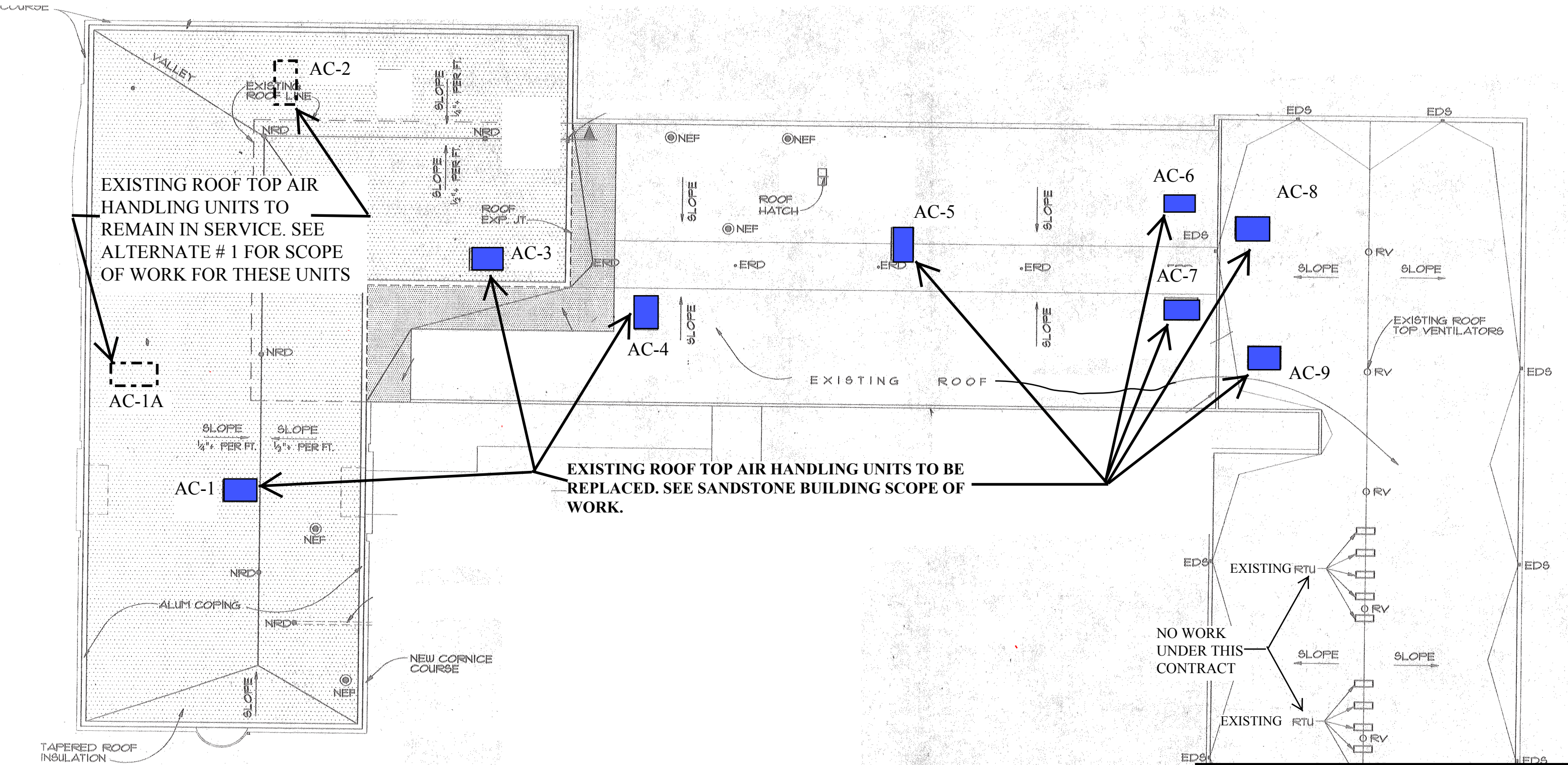
UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

**CENTER FOR THE ARTS**

DRAWING NO. **CFA - 3** July 30, 2013







EXISTING ROOF TOP AIR HANDLING UNITS TO REMAIN IN SERVICE. SEE ALTERNATE # 1 FOR SCOPE OF WORK FOR THESE UNITS

EXISTING ROOF TOP AIR HANDLING UNITS TO BE REPLACED. SEE SANDSTONE BUILDING SCOPE OF WORK.

NO WORK UNDER THIS CONTRACT

UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

SANDSTONE BUILDING

SANDSTONE BUILDING ROOF PLAN  
NOT TO SCALE

EXISTING  
CONDENSING UNIT  
CU#2 SERVING FIRST  
FLOOR HALLWAY  
TO BE REPLACED.  
SEE COLLEGE  
BUILDING SCOPE OF  
WORK

EXISTING CONDENSING  
UNIT AHU-3. NO WORK  
UNDER THIS CONTRACT

EXISTING CONDENSING  
UNIT AHU-1. NO WORK  
UNDER THIS CONTRACT

EXISTING CONDENSING  
UNIT AHU-4. NO WORK  
UNDER THIS CONTRACT

CONF.  
ROOM

672 SF

EXISTING AHU-2 MOUNTED ON  
FLOOR IN MECHANICAL ROOM.  
DX COIL TO BE REPLACED. SEE  
COLLEGE BUILDING SCOPE OF  
WORK

EXISTING AHU-1 MOUNTED ON  
FLOOR IN MECHANICAL  
ROOM. NO WORK UNDER THIS  
CONTRACT.

MECH.  
73 SF

CLOSET  
8 SF

TLT.

44 SF

EXISTING  
THERMOSTAT  
LOCATION FOR AHU-2

OFFICE  
110 SF

109 SF

BREAK  
ROOM

114 SF

83 SF

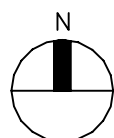
LOBBY

184 SF

PORTICO

# FIRST FLOOR PLAN

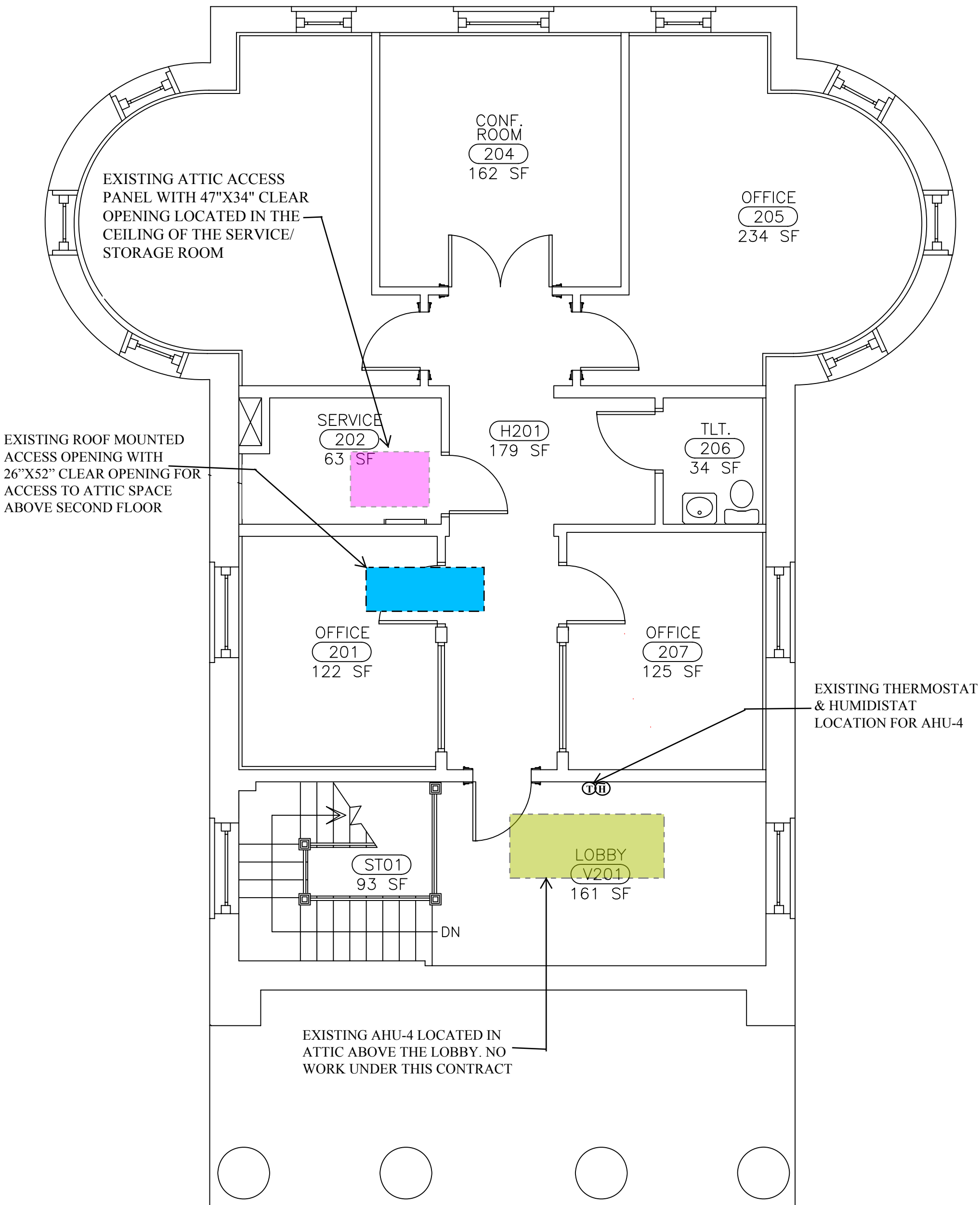
NOT TO SCALE



UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

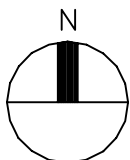
**BEAUFORT COLLEGE**

DRAWING NO.      **CB - 1**      July 30, 2013



# SECOND FLOOR PLAN

NOT TO SCALE



UNIVERSITY OF SOUTH CAROLINA BEAUFORT  
BEAUFORT CAMPUS  
HVAC UPGRADES

**BEAUFORT COLLEGE**

DRAWING NO.      **CB - 2**      July 30, 2013