HORRY GEORGETOWN TECHNICAL COLLEGE

REPAIR/REPLACE ROOFING SYSTEMS - GEORGETOWN CAMPUS BUILDINGS 100-SCIENCE WING, 500, WILDLIFE PAVILION, AND 1000

BEE PROJECT NUMBER: 23010B
OWNER PROJECT NUMBER: H59-6228-PD
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

ABBREVIATIONS

A	ABANDONED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
BIA	BRICK INDUSTRY ASSOCIATION
DS	DOWNSPOUT
EPDM	SINGLE PLY
ETC	ET CETERA
HVAC	HEAT/VENTILATION/AIR CONDITION
LB	POUND
MAX	MAXIMUM
MIN	MINIMUM
N.I.C.	NOT IN CONTRACT
NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
O.C.	ON CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION
PVC	POLYVINYLCHLORIDE
RD	ROOF DRAIN
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS ASSOCIATION, INC.
SWRI	SEALANT WATERPROOFING RESTORATION INSTITUTE
TYP	TYPICAL
VTR	VENT THRU ROOF
W/	WITH

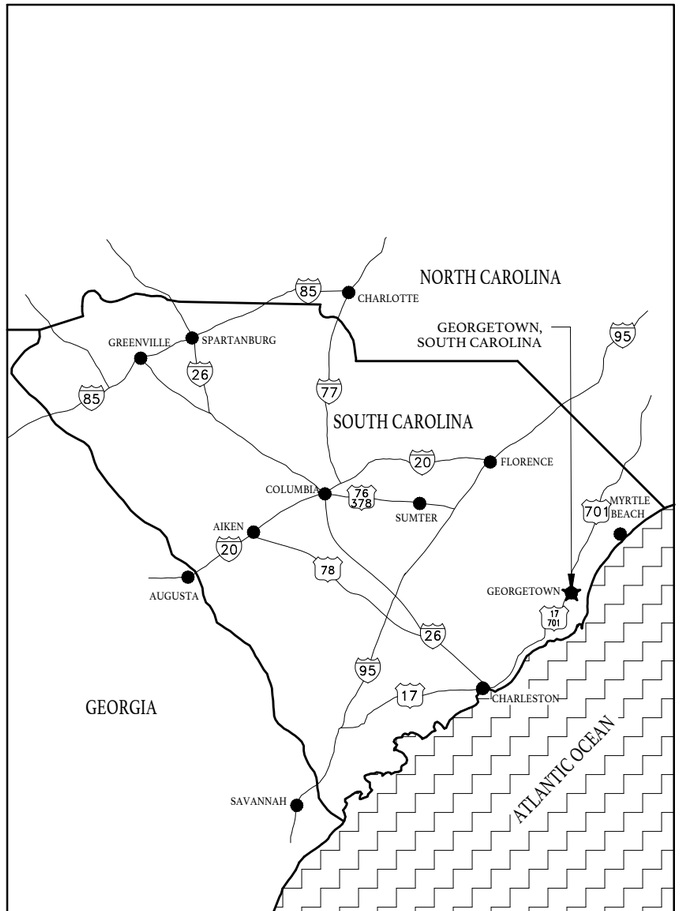
DETAILS/SECTION IDENTIFIER

1 — DETAIL/SECTION LABEL
R201 — SHEET SHOWN ON

DRAWING INDEX

LEGEND

- ROOF AREA SYMBOL
- XX":XX" SLOPE — SLOPE INDICATOR
- RD — ROOF DRAIN
- OF — OVERFLOW DRAIN
- VTR — VENT THROUGH ROOF
- PITCH PAN
- PITCH PAN
- RV — ROOF VENT
- DS — GUTTER WITH DOWNSPOUT
- DS/SD — GUTTER WITH DOWNSPOUT TO STORM DRAIN
- DS/SB — GUTTER WITH DOWNSPOUT TO SPLASH BLOCK
- GEJ — GUTTER EXPANSION JOINT
- CH/DS/DS — THROUGH WALL SCUPPER WITH CONDUCTORS HEAD TO DOWNSPOUT TO STORM DRAIN
- VENTILATOR
- ROOF PENETRATION
- SKYLIGHT CURB
- ROOF ACCESS HATCH
- U — MECHANICAL UNIT
- UNIT — MECHANICAL UNIT
- MECHANICAL UNIT ON EQUIPMENT SUPPORTS
- EQUIPMENT SUPPORTS
- UNIT ON WOOD SUPPORTS
- LADDER
- LIGHTNING ARRESTOR
- CL — CONDENSATION LINE
- EL — ELECTRICAL LINE
- PARAPET WALL
- WALL BELOW ROOF
- METAL ROOF



VICINITY MAP

BUILDING LOCATION MAP

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cosick
RRC 1026
Registered Roof Consultant

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

COVER SHEET

R100

SHEET 1 OF 26

CONSTRUCTION DOCUMENTS

SUMMARY OF WORK

A. THE BUILDING WILL REMAIN COMPLETELY FUNCTIONAL AND FULLY PROTECTED AT ALL TIMES DURING THE CONSTRUCTION WORK. ALL INGRESS/EGRESS TO FACILITY AND PEDESTRIAN WALKWAYS MUST BE MAINTAINED WITH OVERHEAD PROTECTION WHEN CONSTRUCTION IS OCCURRING AT/OVER THESE AREAS.

B. BASE BID WORK INCLUDES COMPLETE REMOVAL OF EXISTING ROOF SYSTEMS DOWN TO THE STRUCTURAL DECK FOR ROOF AREAS A, A1, AND B FOR APPROXIMATELY 147 SQUARES FOR BUILDING 100-SCIENCE WING. ROOF REPLACEMENT INCLUDES MINOR DECK REPAIRS, ROUGH CARPENTRY, ROOF INSULATION, INCLUDING TAPER, AND A TWO-PLY MODIFIED BITUMEN ROOF SYSTEM. ALL ASSOCIATED SHEET METAL COMPONENTS AND ACCESSORIES ARE INCLUDED. MAINTENANCE/REPAIRS FOR BUILDING 1000 IS ALSO INCLUDED.

1. DEMOLITION OF THE EXISTING ROOFING SYSTEM(S) DOWN TO THE DECK IN ACCORDANCE WITH SECTION 02 04 00, CUTTING AND PATCHING AND SECTION 02 05 00, DEMOLITION AND REMOVAL.
2. MODIFICATIONS AND REPAIRS TO METAL FORM DECK SYSTEMS IN ACCORDANCE WITH SECTION 05 31 23, METAL ROOF DECK REPAIR.
3. ROUGH CARPENTRY IN ACCORDANCE WITH SECTION 06 10 00, ROUGH CARPENTRY.
4. ROOF REPAIRS IN ACCORDANCE WITH SECTION 07 50 00, GENERAL ROOF REPAIRS/MAINTENANCE.
5. ROOF MEMBRANE, INSULATION, MEMBRANE FLASHINGS, ASSOCIATED COMPONENTS, AND ACCESSORIES IN ACCORDANCE WITH SECTION 07 55 27, ROOF REPLACEMENT MODIFIED BITUMEN SHEET ROOFING SYSTEM.
6. SHEET METAL, COMPONENTS, AND ACCESSORIES IN ACCORDANCE WITH SECTION 07 60 00, SHEET METAL.
7. OPTIONAL PRE-MANUFACTURED ACCESSORIES SPECIFIED OR AS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH SECTION 07 72 00, ROOF ACCESSORIES.
8. ROOF DRAIN REPAIRS IN ACCORDANCE WITH SECTION 07 73 15, ROOF DRAIN REPAIRS/MODIFICATIONS.
9. REPLACEMENT OF SEALANT SYSTEMS FROM THE ROOFING AND SHEET METAL IN ACCORDANCE WITH SECTION 07 92 00, SEALANTS FOR ROOFING AND SHEET METAL.

C. ALTERNATE NUMBER 1 WORK INCLUDES METAL ROOF REPAIRS TO BUILDING 500 AND WILDLIFE PAVILION, AND CLEANING ALL TRASH, VEGETATION, AND DEBRIS FROM ROOF AREAS B1, G, G1, AND G2.

1. METAL ROOF REPAIRS IN ACCORDANCE WITH SECTION 07 41 03, METAL ROOF REPAIRS.

D. UNIT PRICES AND ALLOWANCE ARE INCLUDED IN ACCORDANCE WITH SECTION 01 21 10, UNIT PRICES AND ALLOWANCE AND ARE TO BE INCLUDED IN THE BASE BID.

UNIT PRICE QUANTITIES

1. IN ACCORDANCE WITH SECTION 01 11 00, SUMMARY OF WORK, THE CONTRACT DOCUMENTS INCLUDE WITHIN THE BASE BID SPECIFIC QUANTITIES.
2. THE SPECIFIC QUANTITIES ARE LISTED WITHIN THE INDIVIDUAL SPECIFICATION SECTIONS OF THIS PROJECT AND ARE INCLUDED ON THE BID FORM AS NOTED.

   A SINGLE UNIT PRICE WILL BE PROVIDED FOR EACH ITEM, TO BE USED AS AN 'ADD' OR 'DEDUCT', BASED ON ACTUAL FIELD CONDITIONS. ANY QUANTITY ABOVE OR BELOW THESE SPECIFIED AMOUNTS WILL RESULT IN AN 'ADD' OR 'DEDUCT' TO THE CONTRACT SUM BASED ON THE REQUIRED UNIT PRICES.

3. IN ACCORDANCE WITH SECTION 01 21 10, UNIT PRICES AND ALLOWANCE, THE FOLLOWING DOCUMENTATION IS REQUIRED.
   A. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL REPAIR UNIT PRICED QUANTITIES USED BASED ON CONTRACT REQUIREMENTS.
   B. CONTRACTOR SHALL NOTIFY OWNER IN WRITING WHEN 80% OF QUANTITY IS USED FOR EACH UNIT PRICE ITEM.
   C. OWNER IS NOT RESPONSIBLE FOR QUANTITIES WHICH EXCEED 80% UNLESS OWNER IS NOTIFIED IN WRITING PRIOR TO EXCEEDING THESE QUANTITIES, AND CONTRACTOR RECEIVES APPROVAL TO PROCEED.
   D. PROVIDE PHOTOGRAPH OR VIDEOTAPE DOCUMENTATION OF REPAIRS AND ACTUAL QUANTITIES USED.
   E. LOCATE QUANTITIES AND SHOW THEIR LOCATIONS ON DRAWINGS.
   F. PROVIDE ACTUAL USED QUANTITIES ON EACH APPLICATION FOR PAYMENT REQUEST.
4. PROVIDE SUMMARY OF UNIT QUANTITIES 'REQUIRED' VERSE 'USED' AND ABOVE DOCUMENTATION WHEN REQUESTED, AND AS PART OF PROJECT CLOSE-OUT REQUIREMENTS OF SECTION 01 77 00, CONTRACT CLOSE-OUT.

GENERAL M/E/P AND COORDINATION NOTES

1. DISCONNECT AND REMOVE ALL ROOFTOP MECHANICAL AND ELECTRICAL EQUIPMENT AS NECESSARY TO COMPLETE THE WORK AND REINSTALL UPON COMPLETION OF WORK. PROVIDE FOR EXTENSION AND MODIFICATION OF SERVICE, UTILITIES, INTERIOR COMPONENTS AND ALL CONNECTIONS AS NECESSARY TO ACCOMMODATE NEW HEIGHTS AND LOCATIONS.
2. ANY CABLES, WIRES, SATELLITE OR MICROWAVE DISHES, ANTENNAS AND ROOFTOP MECHANICAL, ELECTRICAL OR ELECTRONIC COMPONENTS SHALL BE TEMPORARILY DISCONNECTED AND RECONNECTED BY QUALIFIED CRAFTSMEN. THIS INCLUDES ROOF AREAS, FLASHINGS AND ADJACENT WALL AREAS.
3. REMOVE ALL WOOD BLOCKING FOR PIPE SUPPORTS, CONDUITS, EQUIPMENT, AND JUNCTION BOXES, AND REPLACE PER DETAILS.
4. EXTEND/RAISE ALL PENETRATIONS, CURBS, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS TO A MINIMUM 8" ABOVE THE FINISHED ROOF SURFACE.
5. A MINIMUM DISTANCE OF 12 INCHES SHALL EXIST BETWEEN ANY AND ALL PENETRATIONS AND/OR TERMINATIONS.
6. USE ROUND SHAPES TO CONSTRUCT EQUIPMENT SUPPORTS AND DO NOT USE PITCH PANS.
7. INSTALL NEW GRAY PVC CONDENSATE LINES WITH "P-TRAPS" ROUTED INTO DRAINS/GUTTERS FROM HVAC UNITS.
8. ANY LOCATIONS/CONDITIONS WHERE THE ABOVE REQUIREMENTS CANNOT BE MET, SHALL BE BROUGHT TO THE ATTENTION OF THE CONSULTANT/ENGINEER AND OWNER IMMEDIATELY.

CONSTRUCTION NOTES

1. SUBSTRATE SHALL BE INSPECTED AND REPAIRED AS SPECIFIED PRIOR TO SYSTEM INSTALLATION.
2. PROVIDE ALL NEW WOOD PRODUCTS AS REQUIRED TO PROVIDE FOR INDICATED DETAILS AND TO MEET SPECIFIED REQUIREMENTS. CONTRACTOR MAY REUSE EXISTING CARPENTRY WHICH ARE SOUND AND COMPATIBLE WITH THE NEW WORK SPECIFIED. EXISTING DAMAGED OR DETERIORATED CARPENTRY NOT OTHERWISE INDICATED FOR REPLACEMENT SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH SECTION 01 21 10, UNIT PRICES AND ALLOWANCE, AND SECTION 06 10 00, ROUGH CARPENTRY.
3. CARPENTRY THICKNESSES AS REQUIRED TO MATCH BUILDING CONDITIONS. STACKED CONFIGURATIONS AND VARYING THICKNESSES MAY BE REQUIRED TO MATCH INSULATION THICKNESSES WITHIN A 1/4" TOLERANCE IN ALL DIRECTIONS.
4. ROOFING AND SHEET METAL WORK SHALL BE IN STRICT ACCORDANCE WITH THE CONTRACT REQUIREMENTS. ANY CLARIFICATIONS OR ADDITIONAL INFORMATION SHALL BE IN ACCORDANCE WITH PUBLISHED GUIDELINES OF NRCA ROOFING AND WATERPROOFING MANUAL (5th EDITION) AND SMACNA ARCHITECTURAL SHEET METAL MANUAL (7th EDITION).
5. ALL FLASHING TERMINATIONS SHALL HAVE CONFORMING WATERTIGHT SHEET METAL CLOSURES, AND WATERPROOF UNDERLAYMENT ALL SHEETMETAL BELOW WITH SEALED LAPS.
6. SPECIFIC AND TYPICAL DETAILS ARE PROVIDED WITH GENERIC TYPE DECK SHOWN. TYPICAL DETAILS APPLY TO ALL INSTANCES WHERE SIMILAR CONDITION OCCURS.
7. ALL WORK SHALL BE CONDUCTED IN A SUBSTANTIAL WORKMANLIKE MANNER IN ACCORDANCE WITH SPECIFIED REQUIREMENTS.
8. INSTALL TAPERED CRICKETS TO PROVIDE POSITIVE DRAINAGE ON THE UPSLOPE SIDE OF ALL NON-ROUND PENETRATIONS GREATER THAN 24" WIDE.
9. WALKPADS ARE REQUIRED AT ALL ROOF ACCESS POINTS AND AROUND ALL MECHANICAL EQUIPMENT. INSTALL EACH WALKPAD 12" FROM THE NEXT AND 12" AWAY FROM WALLS AND CURBS.

IBC/CODE ANALYSIS

1. INTERNATIONAL BUILDING CODE (IBC), 2021
   a. IBC 2021, CHAPTER 15, ROOF ASSEMBLIES AND ROOF TOP STRUCTURES
2. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021

GENERAL NOTES

1. PRIOR TO PERFORMING WORK, CONTRACTOR SHALL INSPECT DECK SURFACES AND SUBSTRATE CONDITIONS. PROVIDE FOR THE SAFETY AND PROTECTION OF WORKERS AND OCCUPANTS THROUGHOUT THE COURSE OF WORK.
2. ALL BUILDING DIMENSIONS, EXISTING CONDITIONS, ITEM LOCATIONS, AND SIZE AND QUANTITY OF PENETRATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BID.
3. LAYDOWN / STORAGE AREA IS LIMITED AND SHALL BE AS APPROVED BY THE OWNER.
4. SITE SHALL BE CLEANED ON A DAILY BASIS AND SECURED AT THE END OF EACH WORK DAY.
5. BUILDING ACCESS SHALL BE COORDINATED WITH THE OWNER AND SHALL BE ONLY AS REQUIRED TO ACCOMPLISH CONTRACT WORK.

DEMOLITION NOTES

1. SEE SECTION 01 50 00, CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS, SECTION 02 04 00, CUTTING AND PATCHING, AND SECTION 02 05 00, DEMOLITION AND REMOVAL.
2. REMOVE EXISTING SYSTEMS IN THEIR ENTIRETY DOWN TO THE EXISTING DECK IN INDICATED AREAS OF ROOF REPLACEMENT. AVOID DAMAGING THE ROOF DECK. NO MORE ROOFING SHALL BE REMOVED THAN CAN BE REPLACED BY THE COMPLETE NEW ROOF SYSTEM THE SAME DAY.
3. BUILDING ENVELOPE DEMOLITION IS REQUIRED TO THE VARIOUS COMPONENTS AND SYSTEMS TO COMPLETE THE REQUIRED REPAIRS, MODIFICATIONS AND REPLACEMENTS OF THIS PROJECT.
4. REMOVE IDENTIFIED ABANDONED PENETRATIONS SHOWN ON DRAWINGS.
5. EXISTING NAILERS AND BLOCKING SHALL BE ADDRESSED PER CONSTRUCTION NOTES.
6. REMOVE ALL ROOF, TRIM, SIDING, FLASHINGS AND ACCESSORIES AS NOTED, SPECIFIED OR REQUIRED TO COMPLETE THE WORK, ALL NEW SHEET METAL REQUIRED UNLESS OTHERWISE INDICATED.
7. THE UNDERSIDE (INTERIOR SIDE) OF THE DECK MAY HAVE HVAC, ELECTRICAL FIXTURES, ETC. ATTACHED. THE CONTRACTOR SHALL HAVE QUALIFIED CRAFTSMEN REMOVE AND REINSTALL ALL AFFECTED ITEMS OF THE DEMOLITION OF ROOFING TO COMPLETE THE WORK AND TO REPAIR/REPLACE DECKING. THE LOCATION AND METHOD OF ATTACHMENT SHALL BE THE SAME AS THE ORIGINAL, UNLESS DIRECTED OR APPROVED OTHERWISE BY THE CONSULTANT AND/OR THE OWNER.
8. ALL DEMOLITION SHALL ADHERE TO ANSI AND OSHA GUIDELINES, AND SECTION 01 52 05.
9. ANY LIGHTNING PROTECTION SYSTEM SHALL BE TEMPORARILY DISCONNECTED AND REMOVED TO COMPLETE WORK, AND REINSTALLED EACH DAY.

PROTECTION NOTES

1. FACILITIES MAY BE OCCUPIED DURING CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE FACILITY, CONTENTS, AND OCCUPANTS.
2. THE BUILDING SHALL BE WATERTIGHT AT THE END OF EACH DAY'S WORK AND WHEN INCLEMENT WEATHER THREATENS.
3. CONTRACTOR SHALL PROTECT THE BUILDING EXTERIOR AND GROUNDS INCLUDING SURFACES, GRASS, PLANTS, TREES, SHRUBS, AND OTHER LANDSCAPING. THE CONTRACTOR SHALL RETURN THE SITE AND ANY DAMAGED ITEMS TO ORIGINAL OR BETTER CONDITION.
4. ANY SURFACES STAINED, MARRED, OR DAMAGED BY THE WORK OR THE CONTRACTOR, THE CONTRACTOR SHALL RETURN THE SITE AND ANY DAMAGED ITEMS OF THE SITE OR FACILITY TO ORIGINAL OR BETTER CONDITION AND MATCH ADJACENT SURFACES.
5. WORK SHALL BE SEQUENCED TO MINIMIZE TRAFFIC ON THE NEW WORK.

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV — Registered Roof Consultant — 17026

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

GENERAL NOTES

R101

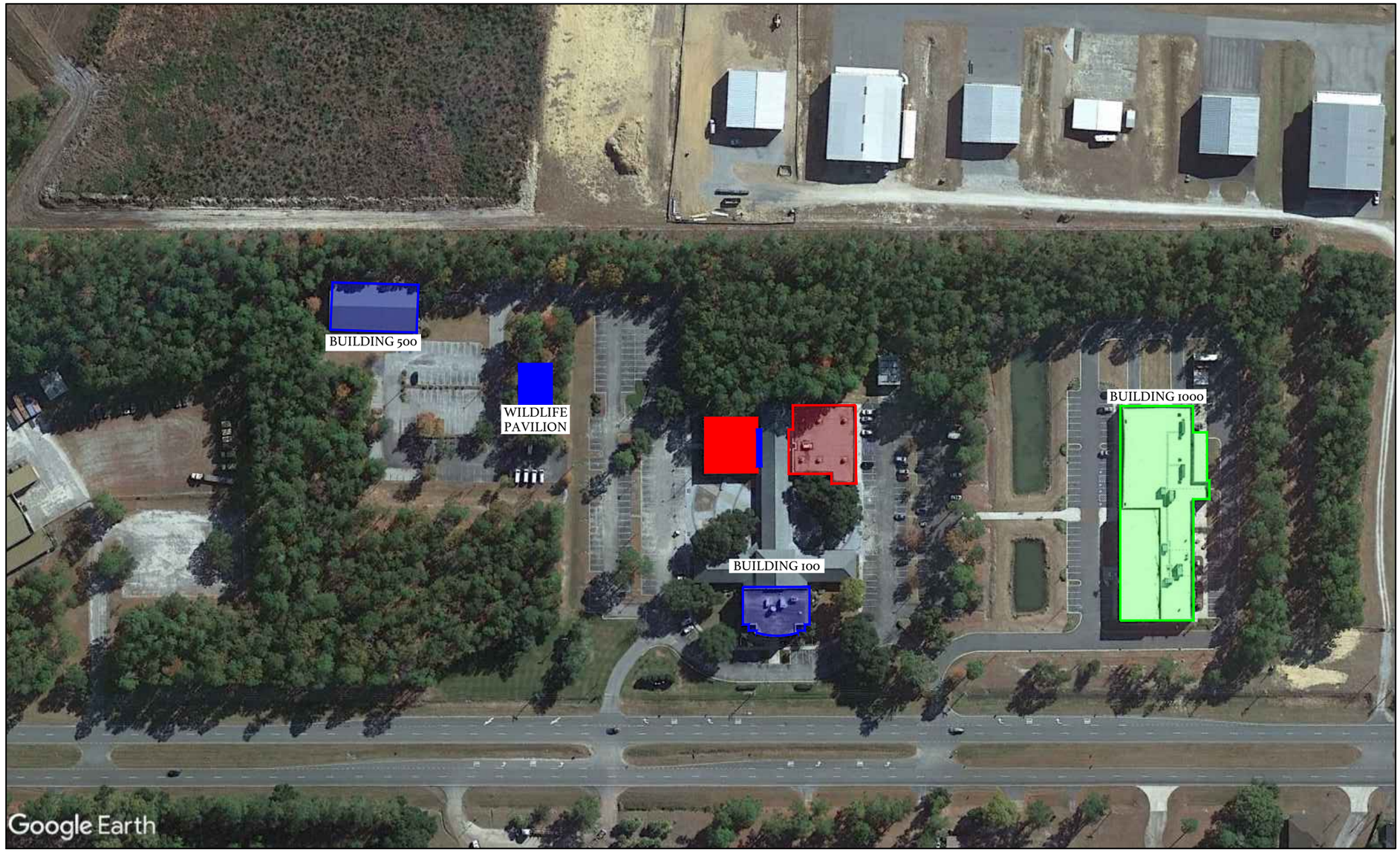
CONSTRUCTION DOCUMENTS

LEGEND

BASE BID :
TOTAL ROOF REPLACEMENT
BUILDINGS 100 ROOF AREAS A, A1, & B

BASE BID :
GENERAL MAINTENANCE BUILDING 1000

ALTERNATE #1 :
METAL ROOF REPAIRS BUILDING 500 & WILD LIFE PAVILION. GENERAL MAINTENANCE BUILDING 100 ROOF AREAS B1, G, G1, AND G2



GEORGETOWN CAMPUS
AERIAL PLAN

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
RRC 2026
Registered Roof Consultant

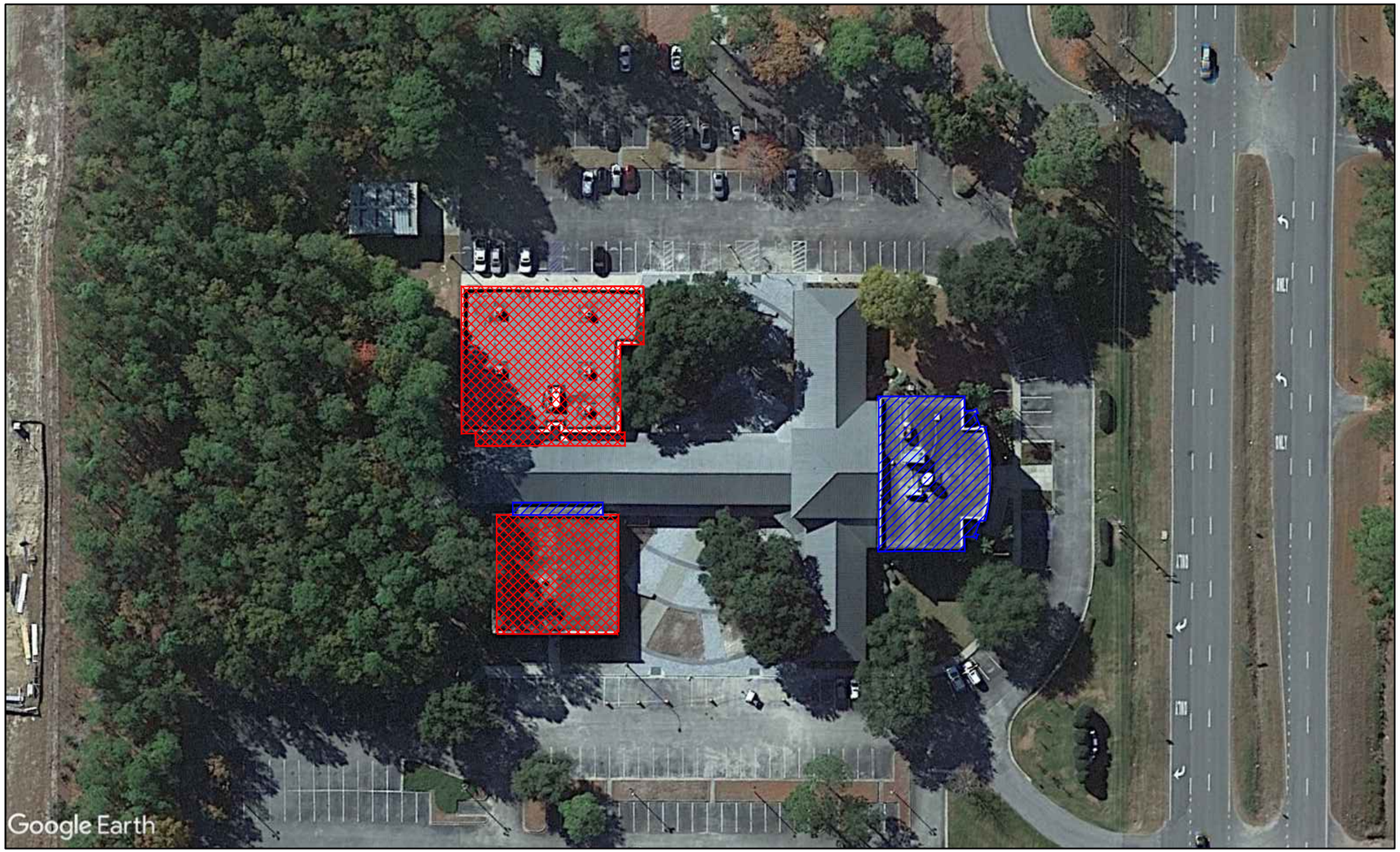
HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

GEORGETOWN CAMPUS AERIAL PLAN

R102



LEGEND

= BASE BID

= ALTERNATE #1

PLAN NORTH

BUILDING 100
AERIAL PLAN

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group

1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
LEED AP
#4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHNICAL COLLEGE

REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B

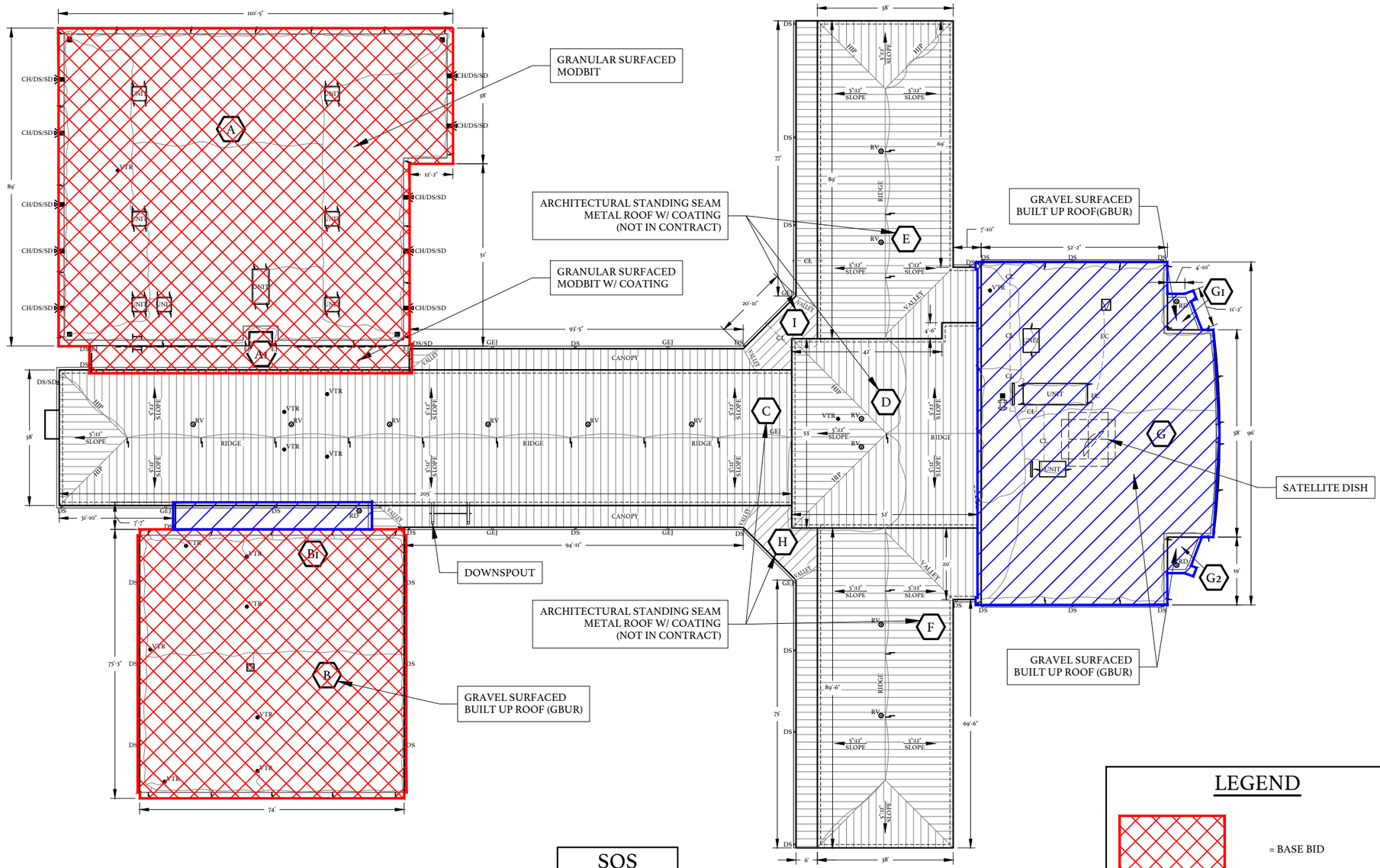
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

BUILDING 100
AERIAL PLAN

R201

SHEET 4 OF 26



SQS

ROOF AREA A: 86 SQS
ROOF AREA A1: 7 SQS
ROOF AREA B: 54 SQS
ROOF AREA B1: 5 SQS
ROOF AREA G: 57 SQS
ROOF AREA G1: 1 SQS
ROOF AREA G2: 1 SQS
ROOF AREA I: 16 SQS

LEGEND

= BASE BID

= ALTERNATE #1

PLAN NORTH

BUILDING 100 OVERALL COMPLEX PLAN

NOT TO SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook
LEED AP
#4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE

REPAIR/REPLACE ROOFING SYSTEMS GEORGETOWN CAMPUS BUILDINGS

BUILDING 100

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

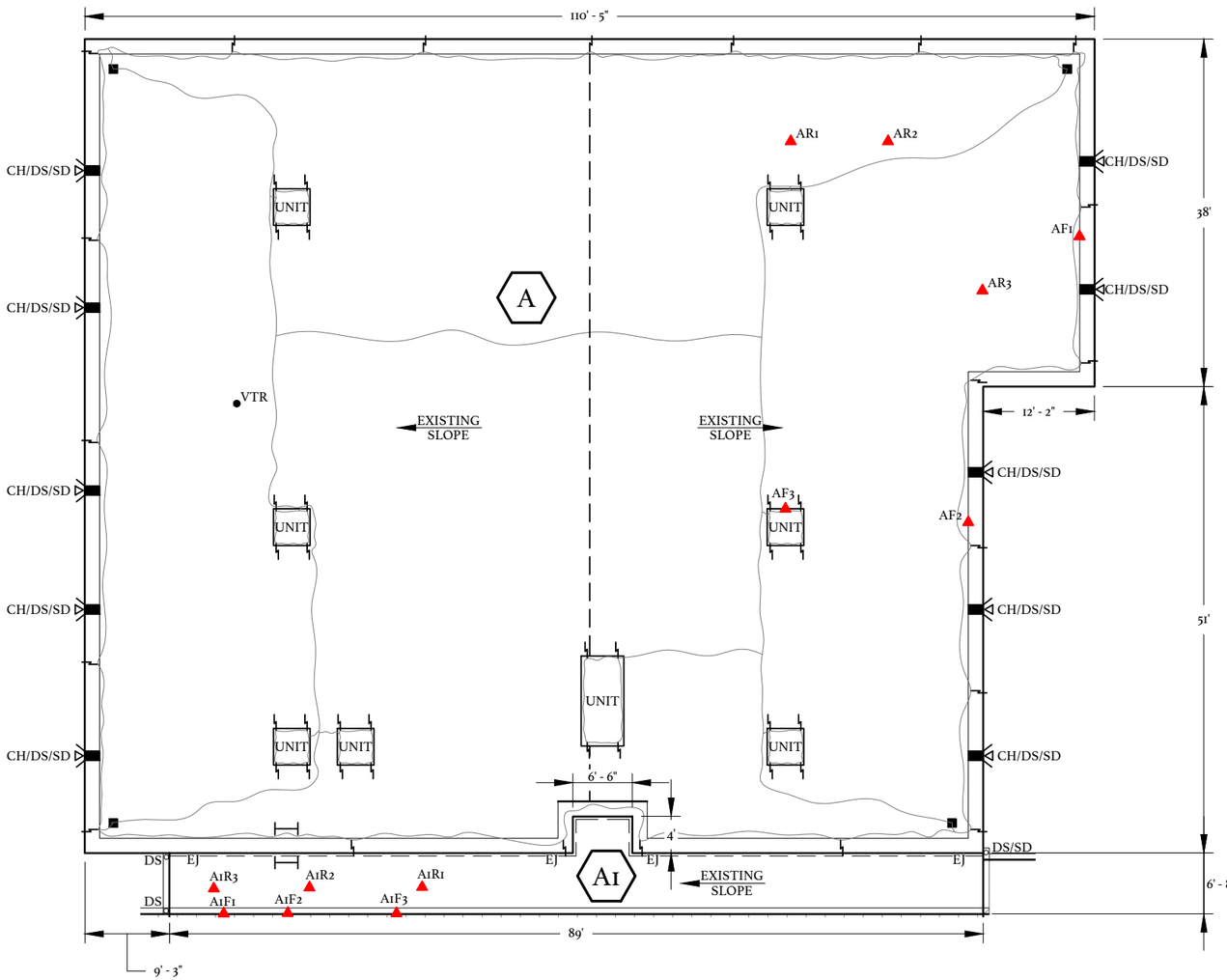
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

BUILDING 100
OVERALL
COMPLEX PLAN

R202

SHEET 5 OF 26

CONSTRUCTION DOCUMENTS



CORE SAMPLE SUMMARY

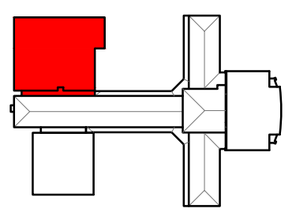
A. CORE SAMPLE SUMMARIES ARE PROVIDED AS GENERAL INFORMATION ONLY. IT IS THE CONTRACTORS' SOLE RESPONSIBILITY TO COLLECT THE NECESSARY FIELD DATA TO PREPARE THEIR BID.

B. LOCATIONS OF THESE CORES ARE SHOWN ON THE EXISTING ROOF PLAN.

ITEM	DESCRIPTION
AR1	GRANULAR SURFACED MODIFIED BITUMEN PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 3" METAL DECK TOTAL THICKNESS - 4 1/4"
AR2	GRANULAR SURFACED MODIFIED BITUMEN PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 3" METAL DECK TOTAL THICKNESS - 4 1/4"
AR3	GRANULAR SURFACED MODIFIED BITUMEN PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 3" METAL DECK TOTAL THICKNESS - 4 1/4"
A1R1	WHITE ELASTOMERIC COATING GRANULAR SURFACED MODIFIED BITUMEN PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 3" GYPSUM BOARD - 5/8" METAL DECK TOTAL THICKNESS - 4 1/4"
A1R2	WHITE ELASTOMERIC COATING GRANULAR SURFACED MODIFIED BITUMEN PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 3" GYPSUM BOARD - 5/8" METAL DECK TOTAL THICKNESS - 4 1/4"
A1R3	WHITE ELASTOMERIC COATING GRANULAR SURFACED MODIFIED BITUMEN PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 3" GYPSUM BOARD - 5/8" METAL DECK TOTAL THICKNESS - 4 1/4"

PLAN NORTH

EXISTING ROOF PLAN
AREAS A & A1
BUILDING 100
(BASE BID)



KEY PLAN

16' 12' 8' 4' 0 8' 16' 32'

GRAPHIC SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
No. 17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

EXISTING ROOF PLAN AREAS A & A1 BUILDING 100 (BASE BID)

R203

SHEET 6 OF 26

CONSTRUCTION DOCUMENTS

PHOTO # 1
ROOF AREA A

PHOTO # 2
ROOF AREA A

PHOTO # 3
ROOF AREA A

PHOTO # 4
ROOF AREA A

PHOTO # 5
ROOF AREA A

PHOTO # 6
ROOF AREA A

PHOTO # 7
ROOF AREA A1

PHOTO # 8
ROOF AREA A1

PHOTO # 9
ROOF AREA A1

PHOTO # 10
ROOF AREA A1

PHOTO # 11
ROOF AREA A1

PHOTO # 12
ROOF AREA A1

The BUILDING ENVELOPE ENCLOSURE Group

1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
Lic # 4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE

REPAIR/REPLACE ROOFING SYSTEMS GEORGETOWN CAMPUS BUILDINGS BUILDING 100

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

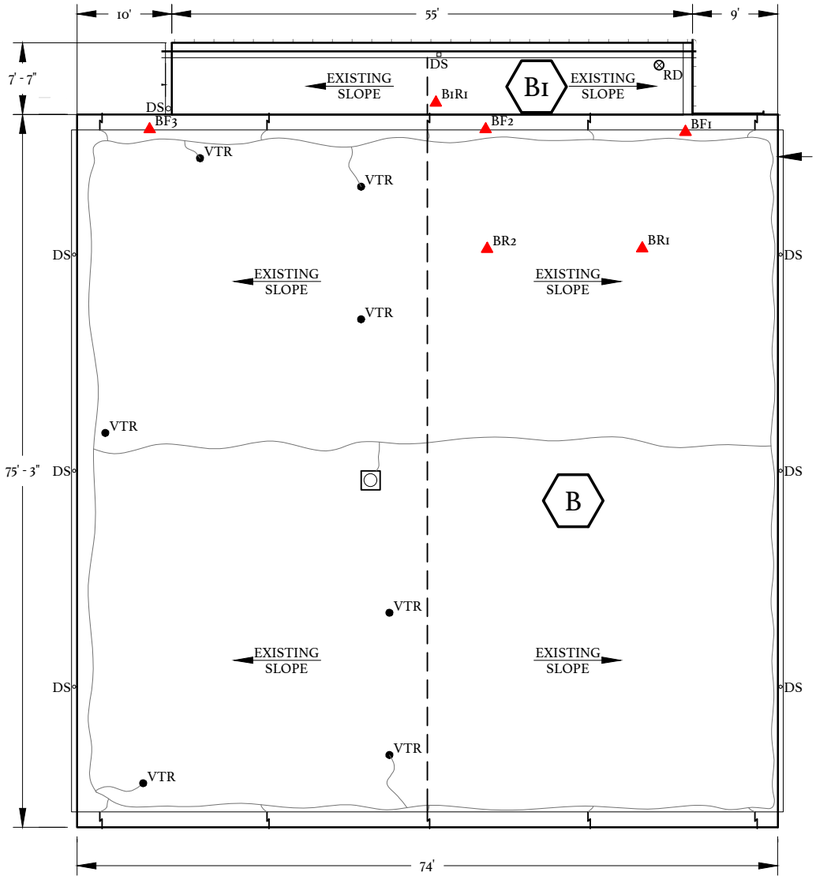
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

ROOF AREAS A & A1 PHOTOGRAPHS BUILDING 100 (BASE BID)

R204

SHEET 7 OF 26

CONSTRUCTION DOCUMENTS

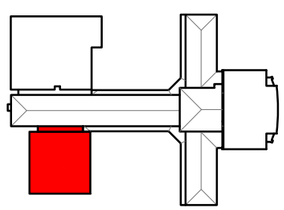


CORE SAMPLE SUMMARY

A. CORE SAMPLE SUMMARIES ARE PROVIDED AS GENERAL INFORMATION ONLY. IT IS THE CONTRACTORS' SOLE RESPONSIBILITY TO COLLECT THE NECESSARY FIELD DATA TO PREPARE THEIR BID.

B. LOCATIONS OF THESE CORES ARE SHOWN ON THE EXISTING ROOF PLAN.

ITEM	DESCRIPTION
BR1	GRAVEL BUILT UP ROOF PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 2" METAL DECK TOTAL THICKNESS - 3 1/4"
BR2	GRAVEL BUILT UP ROOF PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 2" METAL DECK TOTAL THICKNESS - 3 1/4"
B1R1	GRAVEL BUILT UP ROOF PERLITE COVER BOARD - 3/4" POLYISOCYANURATE INSULATION - 2" METAL DECK TOTAL THICKNESS - 3 1/4"



KEY PLAN

16' 12' 8' 4' 0 8' 16' 32'

GRAPHIC SCALE

N

PLAN NORTH

EXISTING ROOF PLAN
AREA B & B1
BUILDING 100
(BASE BID)

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
NRCA 17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

EXISTING ROOF PLAN AREA B BUILDING 100 (BASE BID)

R205

PHOTO # 1
ROOF AREA B

PHOTO # 2
ROOF AREA B

PHOTO # 3
ROOF AREA B

PHOTO # 4
ROOF AREA B

PHOTO # 5
ROOF AREA B

PHOTO # 6
ROOF AREA B

PHOTO # 7
ROOF AREA B

PHOTO # 8
ROOF AREA B

PHOTO # 9
ROOF AREA B

The BUILDING ENVELOPE ENCLOSURE Group

1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
RRC 4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE

REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B

4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

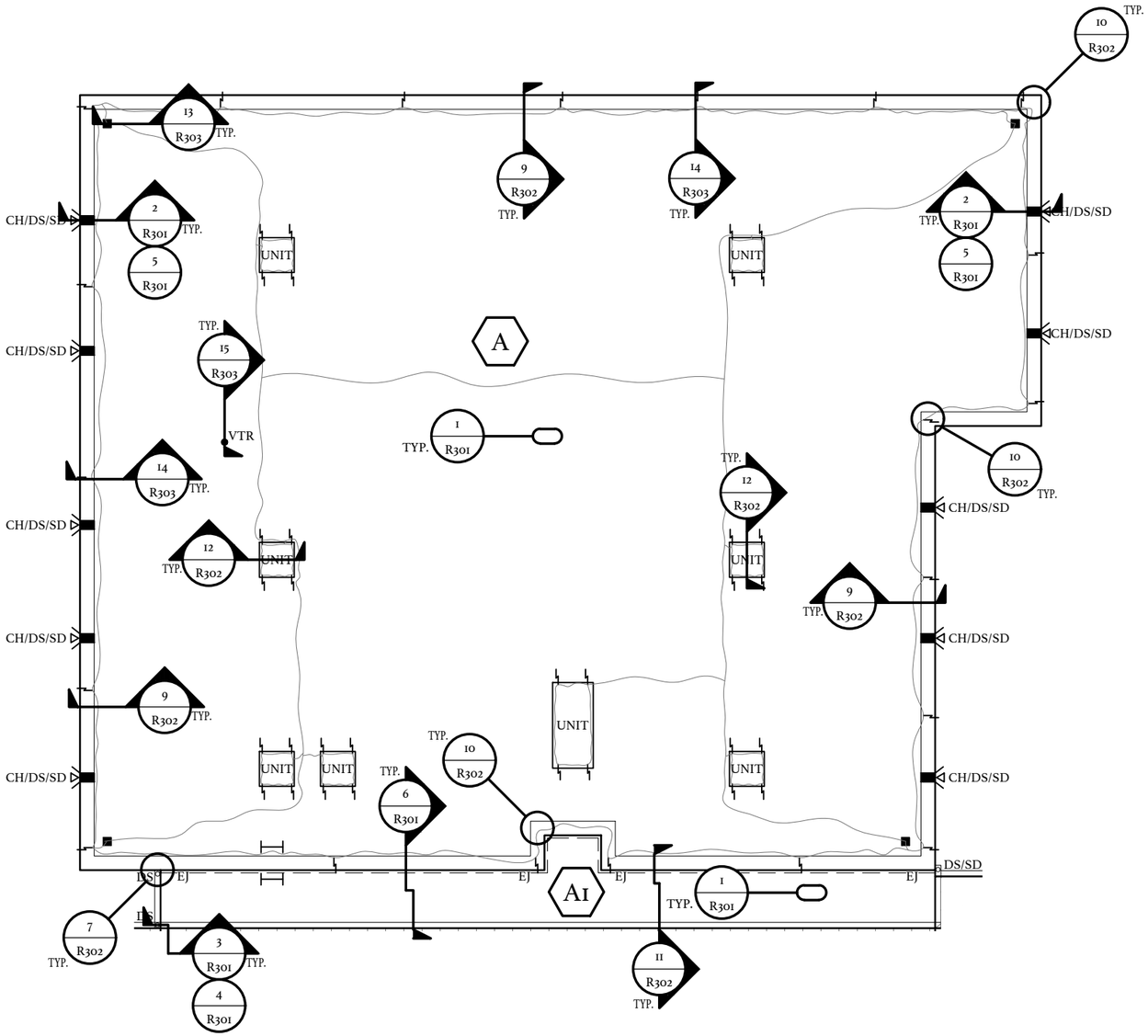
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

ROOF AREA B PHOTOGRAPHS BUILDING 100 (BASE BID)

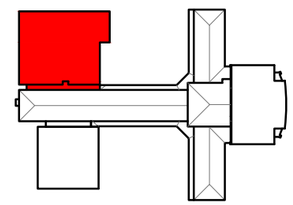
R206

SHEET 9 OF 26

CONSTRUCTION DOCUMENTS



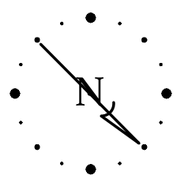
NEW ROOF PLAN
AREAS A & A1
BUILDING 100
(BASE BID)



KEY PLAN

16' 12' 8' 4' 0 8' 16' 32'

GRAPHIC SCALE



PLAN NORTH

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
NRCA 7026
Registered Roof Consultant

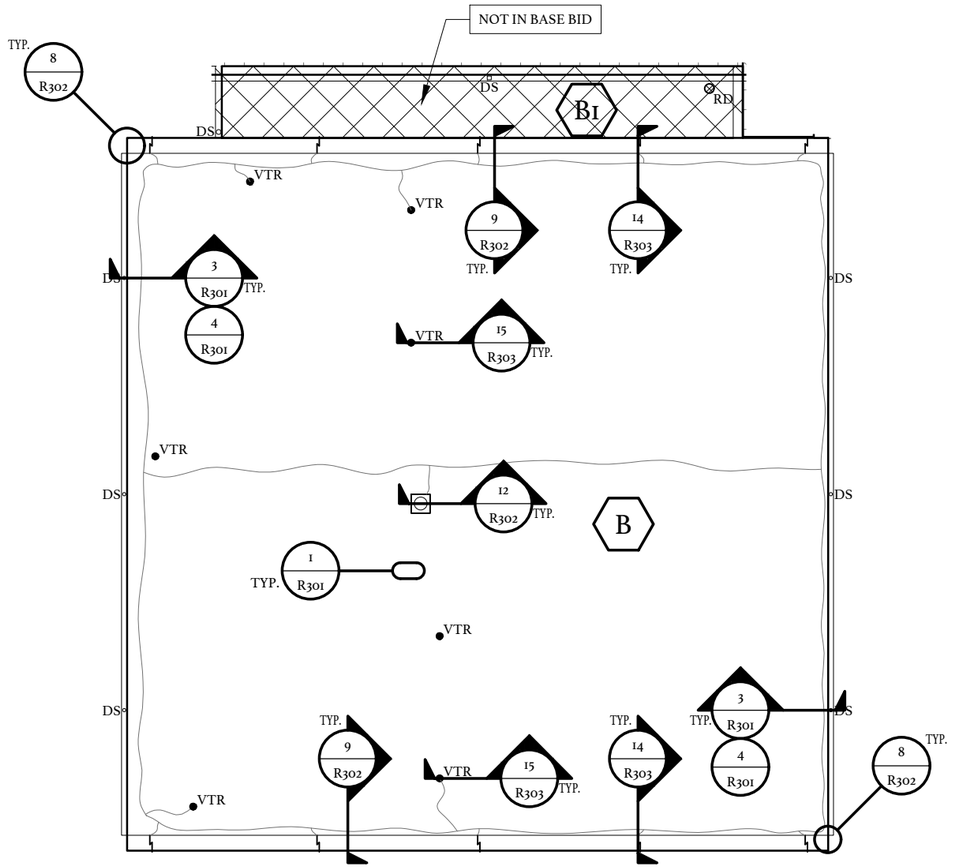
HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

NEW ROOF
PLAN AREAS
A & A1
BUILDING 100
(BASE BID)

R207

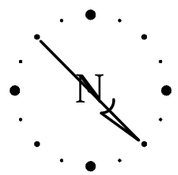
SHEET 10 OF 26



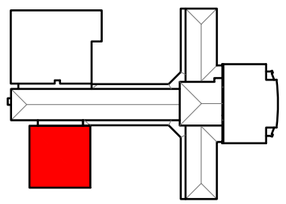
NOTES:

1. AT DOWNSPOUT LOCATIONS THAT DISPERSE AT GRADE, PROVIDE NEW CONCRETE SPLASH BLOCK ON LEVEL GROUND. SEE DETAIL 17/R303.
2. AT DOWNSPOUT LOCATIONS THAT TIE INTO STORM DRAIN PIPING, PROVIDE NEW CONNECTION WITH CLEAN OUT. SEE DETAIL 5/R301.

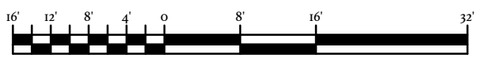
NEW ROOF PLAN
AREA B
BUILDING 100
(BASE BID)



PLAN NORTH



KEY PLAN



GRAPHIC SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
LEED AP
17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

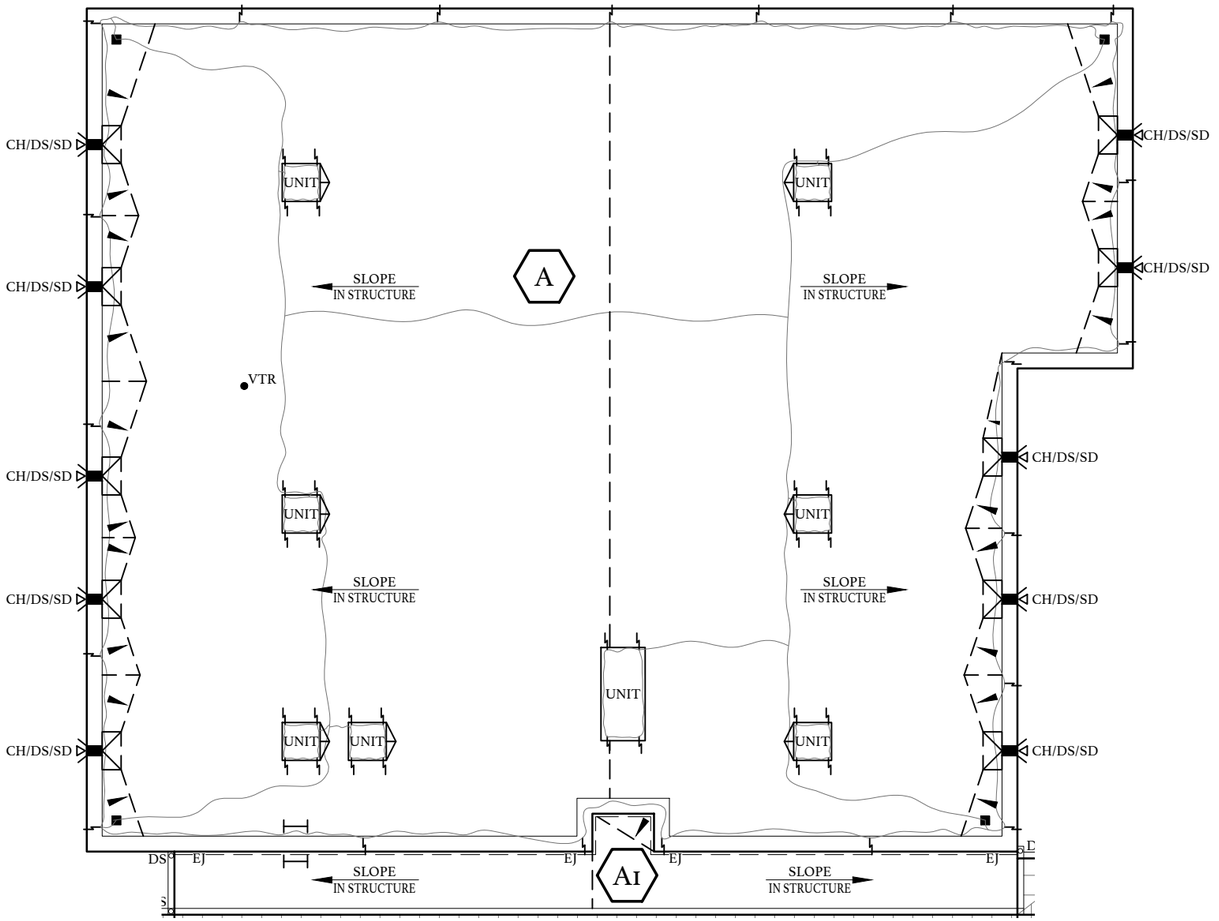
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

NEW ROOF
PLAN
AREA B
BUILDING 100
(BASE BID)

R208

SHEET 11 OF 26

CONSTRUCTION DOCUMENTS



TAPERED INSULATION NOTES

1. THE PRIMARY SLOPE IS IN THE EXISTING DECK.
2. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS) SHALL PROVIDE A MINIMUM AS SPECIFIED FOR ALL ROOF AREAS.
   A. SECONDARY SLOPE SHALL BE 1/4" INCH PER FOOT, AND PROVIDE POSITIVE DRAINAGE.
3. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS) SHALL PROVIDE A FINISHED SLOPE OF NOT LESS THAN 1/4":1'.
4. BACK SLOPES SHALL BE 2X THE PRIMARY SLOPE.
5. INSULATION THICKNESSES SHALL BE COORDINATED WITH AND MATCH NAILER THICKNESSES AND ADJACENT INSULATION THICKNESSES WITHIN A 1/4" TOLERANCE IN ALL DIRECTIONS.
6. ALL PENETRATIONS AND TERMINATIONS SHALL BE RAISED TO PROVIDE A MINIMUM 8" BASE FLASHING HEIGHT ABOVE THE FINISHED ROOF CONSIDERING TOTAL INSULATION HEIGHT INCLUDING TAPER.
   A. PROVIDE AN ADDITIONAL TAPERED INSULATION OF 1/8 INCH PER FOOT FOR THE LAST FOUR (4) FEET LEADING TO THE EDGE METAL, AT A DRAINAGE CONDITION.
   B. PROVIDE AN ADDED TAPERED EDGE STRIP OF 1/8 INCH PER FOOT AT ALL TERMINATIONS (WALLS, PARAPET WALLS, EXPANSION JOINTS, ETC.) AND ALL PENETRATIONS (CURBS, PIPES, SUPPORTS, ETC.).
   C. PROVIDE A TAPERED CRICKET ON THE HIGH SIDE OF ALL NON-ROUND PENETRATIONS WIDER THAN 24".
7. AT DRAINAGE LOCATIONS ENSURE INSULATION TAPERS UP FROM DRAIN A MINIMUM 1/4":1' AND A MAXIMUM 1":1'. PROVIDE TAPERED FILLER TO MATCH FIELD INSULATION THICKNESSES.
   A. TAPERED SUMPS SHALL BE 4' X 4', UNLESS AN OVERSIZED TAPERED SUMP IS NOTED ON THE TAPERED ROOF PLANS.
   B. DRAINS SHALL BE RAISED/SET BASED ON TAPERED INSULATION THICKNESSES.

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
License No. 17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

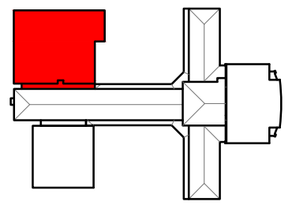
TAPER ROOF PLAN AREAS A & A1 BUILDING 100 (BASE BID)

R209

SHEET 12 OF 26

PLAN NORTH

TAPER ROOF PLAN
AREAS A & A1
BUILDING 100
(BASE BID)

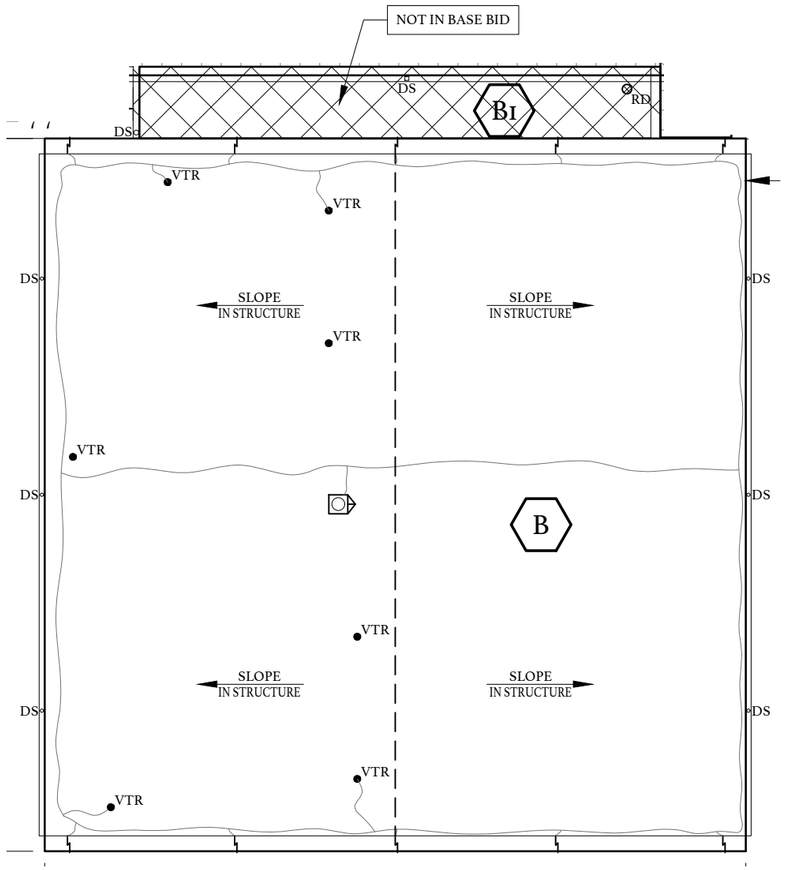


KEY PLAN

16' 12' 8' 4' 0 8' 16' 32'

GRAPHIC SCALE

CONSTRUCTION DOCUMENTS

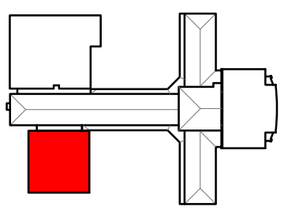


TAPERED INSULATION NOTES

1. THE PRIMARY SLOPE IS IN THE EXISTING DECK.
2. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS) SHALL PROVIDE A MINIMUM AS SPECIFIED FOR ALL ROOF AREAS.
   A. SECONDARY SLOPE SHALL BE 1/4" INCH PER FOOT, AND PROVIDE POSITIVE DRAINAGE.
3. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS) SHALL PROVIDE A FINISHED SLOPE OF NOT LESS THAN 1/4":1'.
4. BACK SLOPES SHALL BE 2X THE PRIMARY SLOPE.
5. INSULATION THICKNESSES SHALL BE COORDINATED WITH AND MATCH NAILER THICKNESSES AND ADJACENT INSULATION THICKNESSES WITHIN A 1/4" TOLERANCE IN ALL DIRECTIONS.
6. ALL PENETRATIONS AND TERMINATIONS SHALL BE RAISED TO PROVIDE A MINIMUM 8" BASE FLASHING HEIGHT ABOVE THE FINISHED ROOF CONSIDERING TOTAL INSULATION HEIGHT INCLUDING TAPER.
   A. PROVIDE AN ADDITIONAL TAPERED INSULATION OF 1/8 INCH PER FOOT FOR THE LAST FOUR (4) FEET LEADING TO THE EDGE METAL, AT A DRAINAGE CONDITION.
   B. PROVIDE AN ADDED TAPERED EDGE STRIP OF 1/8 INCH PER FOOT AT ALL TERMINATIONS (WALLS, PARAPET WALLS, EXPANSION JOINTS, ETC.) AND ALL PENETRATIONS (CURBS, PIPES, SUPPORTS, ETC.).
   C. PROVIDE A TAPERED CRICKET ON THE HIGH SIDE OF ALL NON-ROUND PENETRATIONS WIDER THAN 24".
7. AT DRAINAGE LOCATIONS ENSURE INSULATION TAPERS UP FROM DRAIN A MINIMUM 1/4":1' AND A MAXIMUM 1":1'. PROVIDE TAPERED FILLER TO MATCH FIELD INSULATION THICKNESSES.
   A. TAPERED SUMPS SHALL BE 4' X 4', UNLESS AN OVERSIZED TAPERED SUMP IS NOTED ON THE TAPERED ROOF PLANS.
   B. DRAINS SHALL BE RAISED/SET BASED ON TAPERED INSULATION THICKNESSES.

PLAN NORTH

TAPER ROOF PLAN
AREA B
BUILDING 100
(BASE BID)



KEY PLAN

16' 12' 8' 4' 0 8' 16' 32'

GRAPHIC SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
RRO
1026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

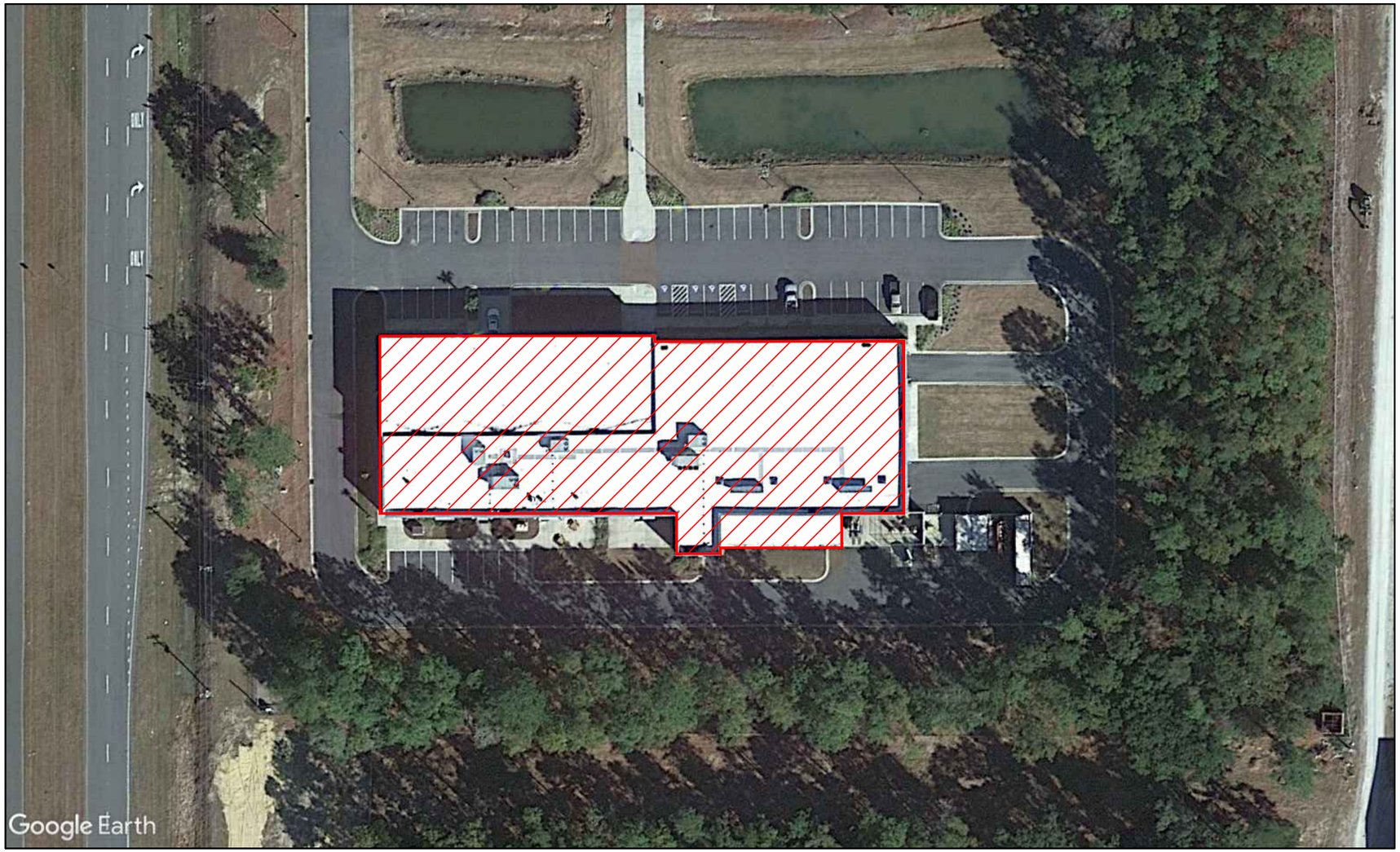
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

TAPER ROOF PLAN
AREA B
BUILDING 100
(BASE BID)

R210

SHEET 13 OF 26

CONSTRUCTION DOCUMENTS



PLAN NORTH

BUILDING 1000
AERIAL PLAN
(BASE BID)

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

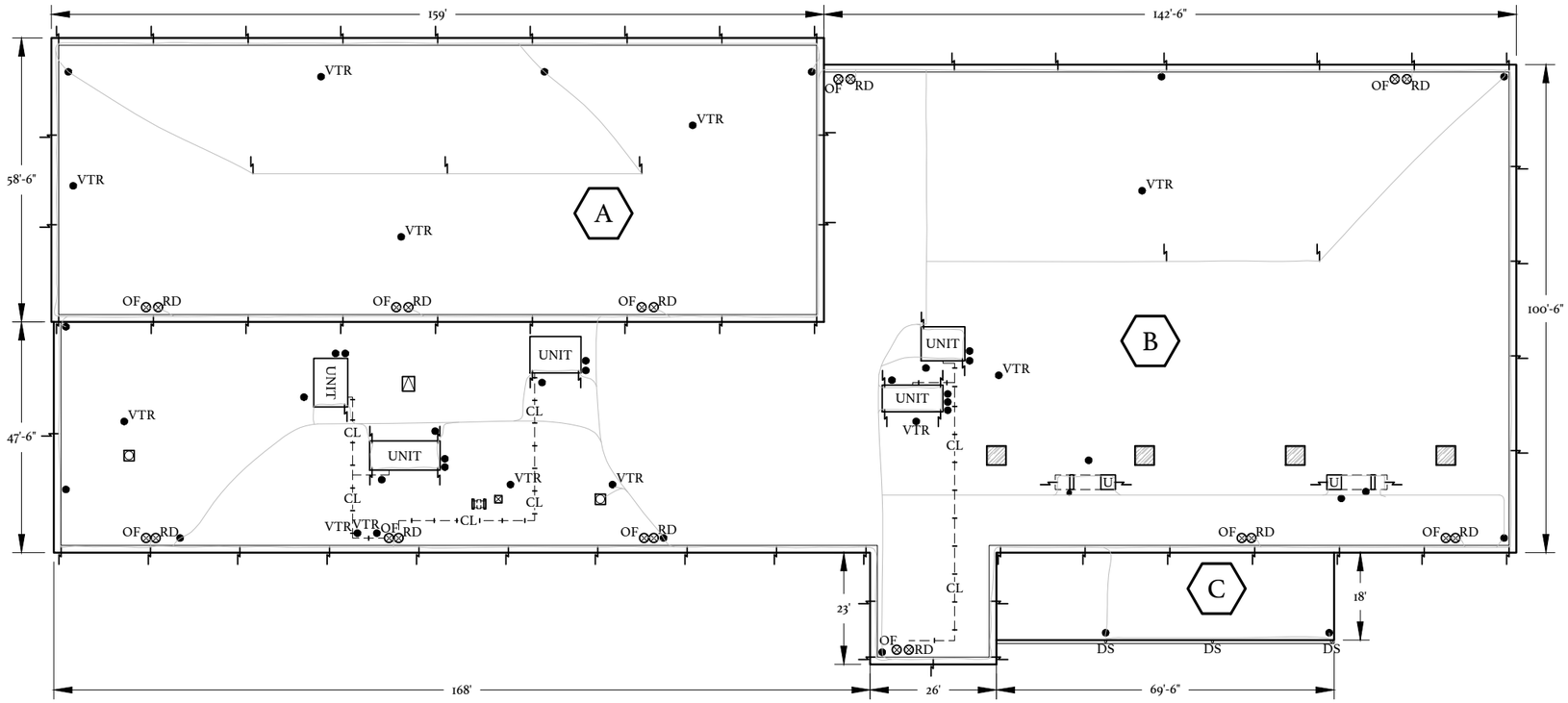
Richard L. Cook
LEED AP
2026
Registered Roof Consultant

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 1000
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

BUILDING 1000
AERIAL PLAN
(BASE BID)

R211



REPAIR NOTES:

1. REMOVE ALL TRASH, DEBRIS, VEGETATION, AND ABANDONED EQUIPMENT/MATERIALS FROM EACH ROOF AREA.
2. CLEAR OUT ALL ROOF DRAINS AND GUTTER SYSTEM TO ENSURE PROPER DRAINAGE.
   a. REPAIR CLOGGED DRAINS.
3. PROVIDE STAINLESS STEEL UMBRELLA AT ALL PITCH PAN AND PIPE PENETRATIONS.
4. PROVIDE SPLASH PANS WHERE DRAINAGE OUTLETS DISPERSE ONTO ROOF MEMBRANE.
5. INSTALL BEE HIVE STRAINERS AT DOWNSPOUT INLETS.
6. INSPECT ROOF MEMBRANE FOR TEARS, VOIDS, ETC. REPAIR BASED ON UNIT PRICE QUANTITIES.

GENERAL MAINTENANCE PLAN
BUILDING 1000
(BASE BID)

PLAN NORTH

30' 20' 10' 0 15' 30' 60'

GRAPHIC SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
LEED AP 4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 1000
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

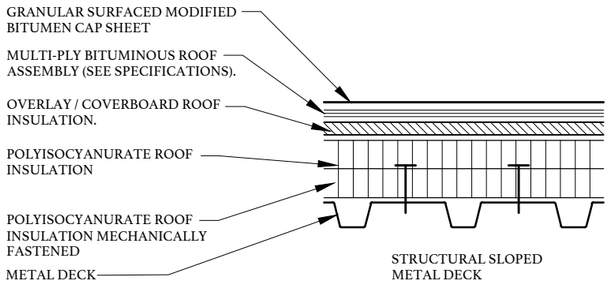
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

GENERAL MAINTENANCE PLAN
BUILDING 1000
(BASE BID)

R212

SHEET 15 OF 26

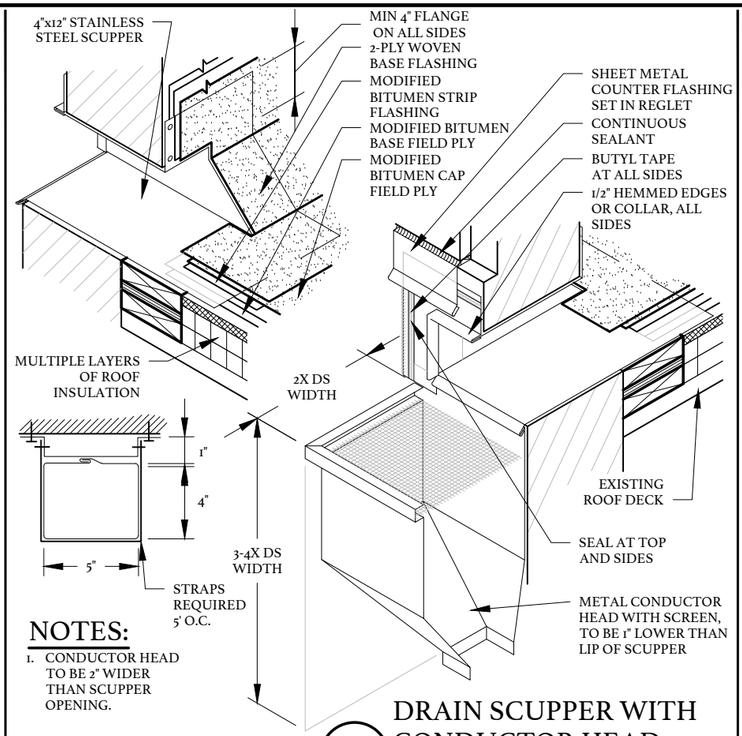
CONSTRUCTION DOCUMENTS



NOTES:

1. SEE SPECIFICATIONS FOR INSULATION ASSEMBLY AND ROOF SYSTEM

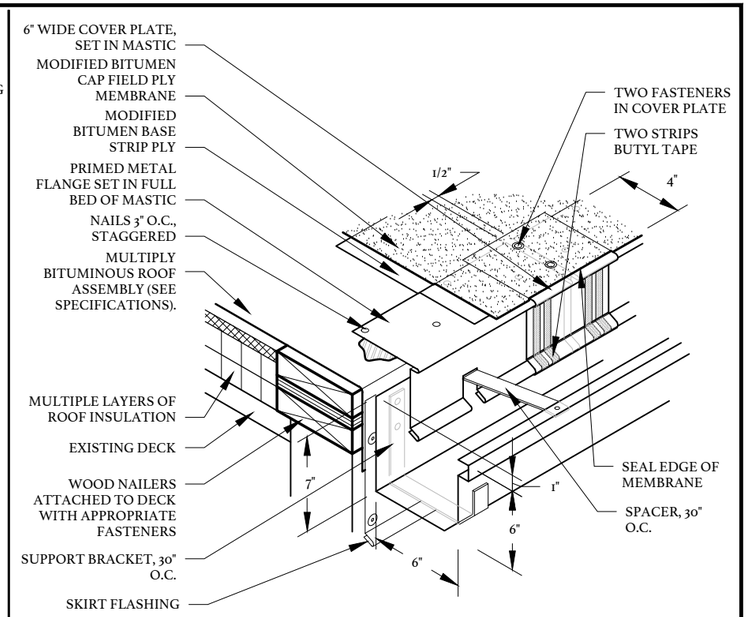
1 / R301 — MODIFIED BITUMEN ROOF ASSEMBLY
NOT TO SCALE (TYPICAL)



NOTES:

1. CONDUCTOR HEAD TO BE 2" WIDER THAN SCUPPER OPENING.

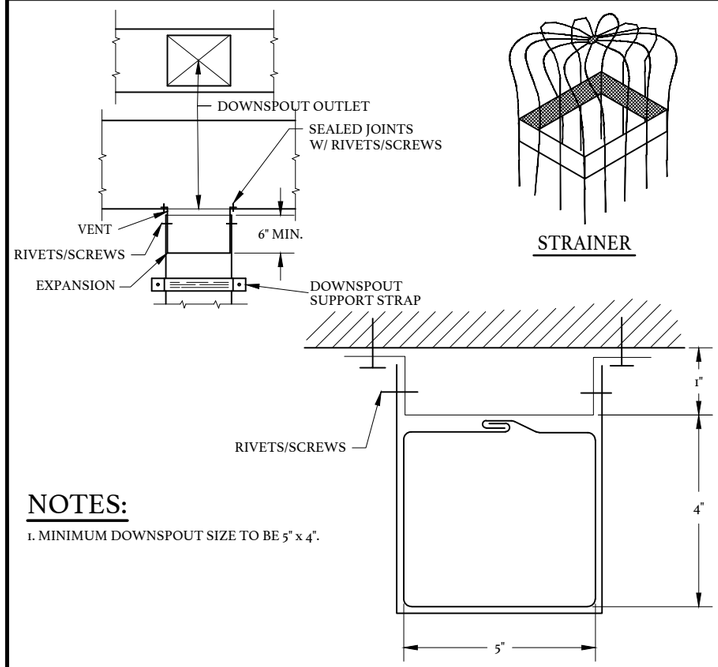
2 / R301 — DRAIN SCUPPER WITH CONDUCTOR HEAD
NOT TO SCALE (TYPICAL)



NOTES:

1. MINIMUM SIZE GUTTER 6" x 6" & 1" HIGHER ON INSIDE EDGE.

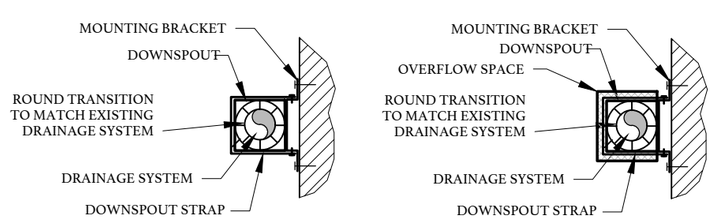
3 / R301 — METAL ROOF EDGE WITH GUTTER
NOT TO SCALE (TYPICAL)

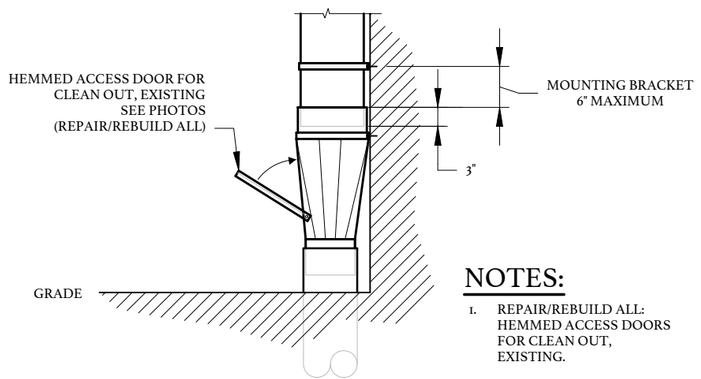


NOTES:

1. MINIMUM DOWNSPOUT SIZE TO BE 5" x 4".

4 / R301 — GUTTER DOWNSPOUT CONNECTIONS
NOT TO SCALE (TYPICAL)

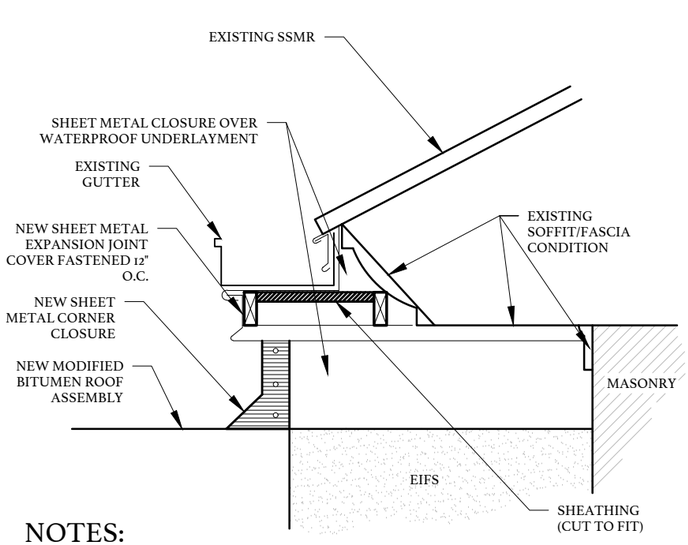




NOTES:

1. REPAIR/REBUILD ALL: HEMMED ACCESS DOORS FOR CLEAN OUT, EXISTING.

5 / R301 — DOWNSPOUT CONNECTIONS TO STORM DRAIN WITH CLEAN OUT
NOT TO SCALE (TYPICAL)



NOTES:

1. REMOVE EXISTING GUTTER TO PROVIDE NEW EXPANSION JOINT SHEET METAL AND FLASHING. REINSTALL GUTTER WITH NEW FASTENERS, RIVETS, AND SEALANTS.
2. PROVIDE NEW WATER PROOF UNDERLAYMENT BENEATH ALL SHEET METAL

6 / R301 — EXPANSION JOINT AT EXISTING GUTTER CONDITION
NOT TO SCALE (TYPICAL)

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV — License No. 34026 — Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

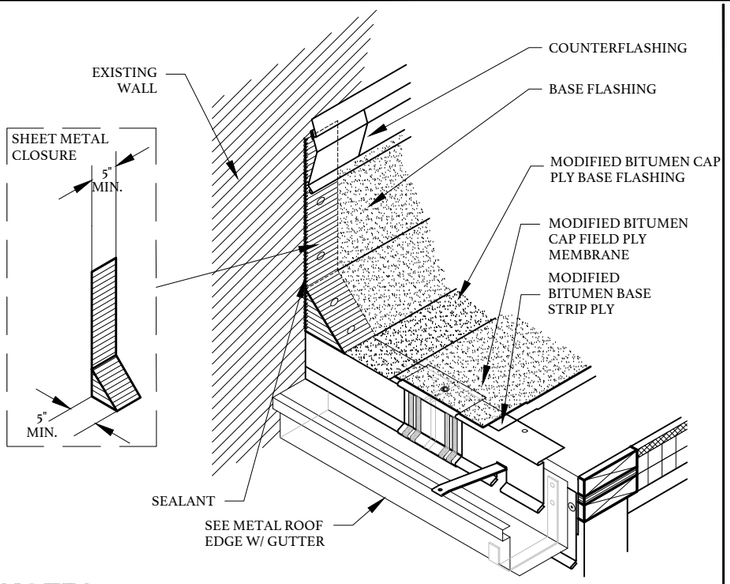
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

DETAILS / SECTIONS

R301

SHEET 16 OF 26

CONSTRUCTION DOCUMENTS

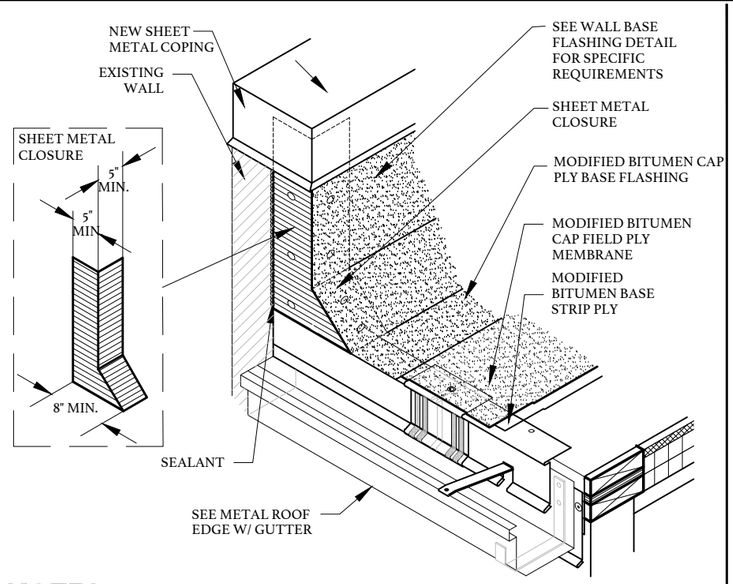


NOTES:

1. SEAL COAT TERMINATION PRIOR TO SETTING SHEET METAL CLOSURE.
2. SET SHEET METAL END CLOSURE OVER FINISHED ROOF AND WALL MEMBRANE FLASHING. PRIME INBOARD FLANGE, SET IN MASTIC ON FINISHED ROOF CONSTRUCTION, FASTEN, AND STRIP OVER INBOARD FLANGE WITH FOIL-CLAD MODIFIED BITUMEN.

7 R302 GUTTER TERMINATION PAST CORNER WALL

NOT TO SCALE (TYPICAL)

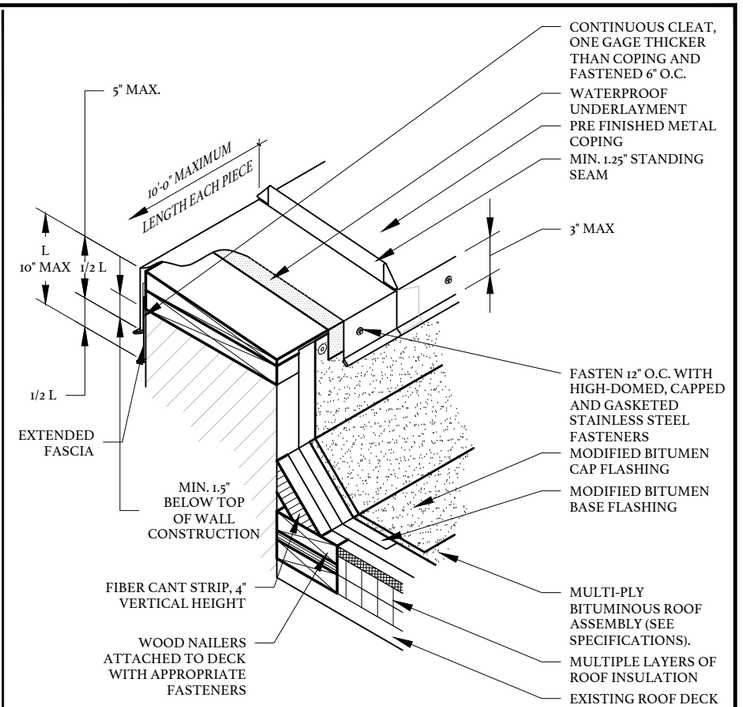


NOTES:

1. SEAL COAT TERMINATION PRIOR TO SETTING SHEET METAL CLOSURE.
2. SET SHEET METAL END CLOSURE OVER FINISHED ROOF AND WALL MEMBRANE FLASHING. PRIME INBOARD FLANGE, SET IN MASTIC ON FINISHED ROOF CONSTRUCTION, FASTEN, AND STRIP OVER INBOARD FLANGE WITH FOIL-CLAD MODIFIED BITUMEN.

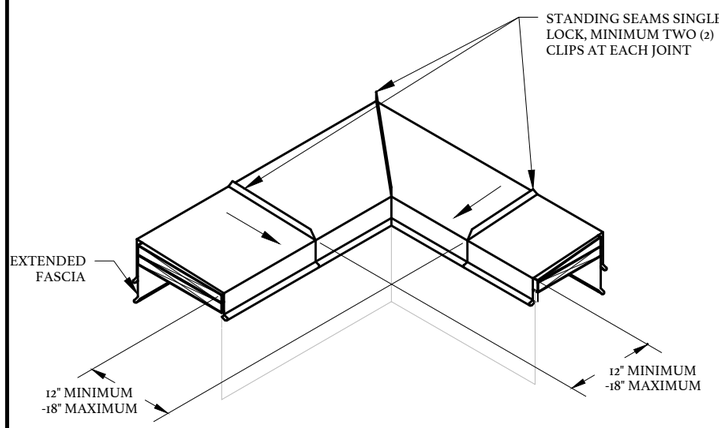
8 R302 PARAPET END WALL TERMINATION DETAIL

NOT TO SCALE (TYPICAL)



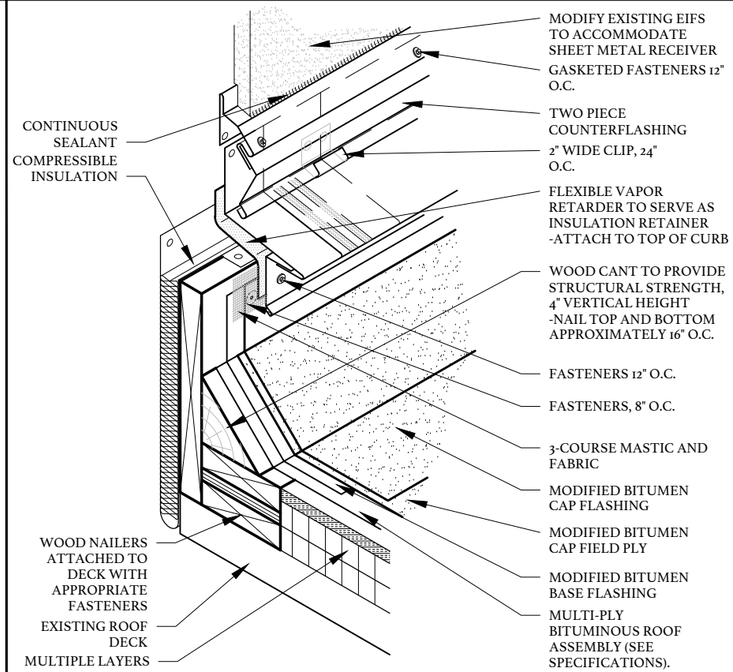
9 R302 BASE FLASHING AT PARAPET

NOT TO SCALE (TYPICAL)



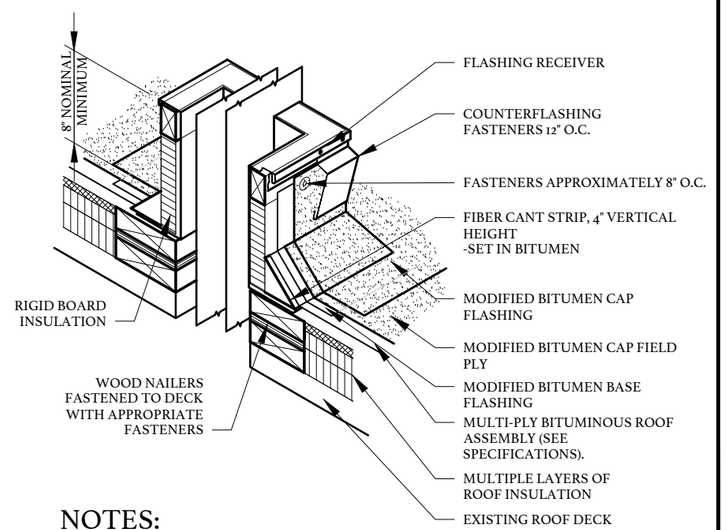
10 R302 COPING PREFABRICATED CORNER

NOT TO SCALE (TYPICAL)



11 R302 EXPANSION JOINT AT EIFS WALL FLASHING

NOT TO SCALE (TYPICAL)



NOTES:

1. REMOVE AND REINSTALL HOODS/COVERS, WITH MINIMUM TWO (2) STAINLESS STEEL FASTENERS, EACH SIDE.

12 R302 METAL CURB FOR ROOF PENETRATIONS

NOT TO SCALE (TYPICAL)

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook
License No. 17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE

REPAIR/REPLACE ROOFING SYSTEMS GEORGETOWN CAMPUS BUILDINGS

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

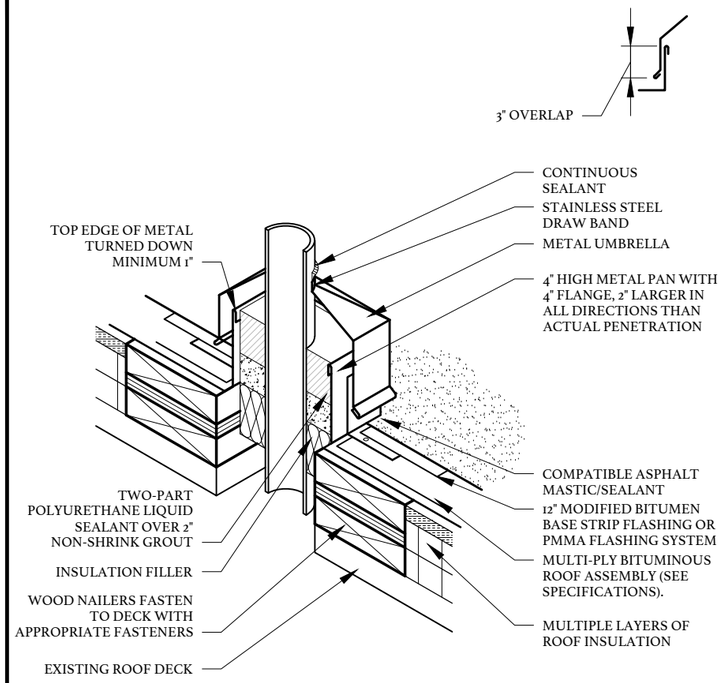
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

DETAILS / SECTIONS

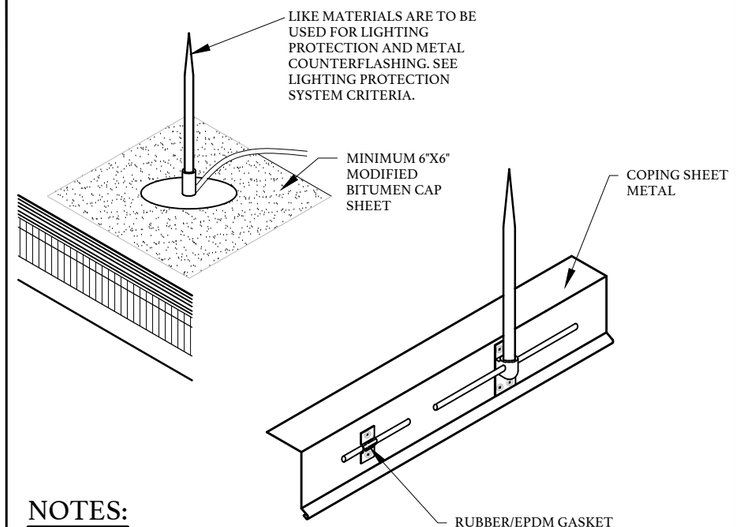
R302

SHEET 17 OF 26

CONSTRUCTION DOCUMENTS

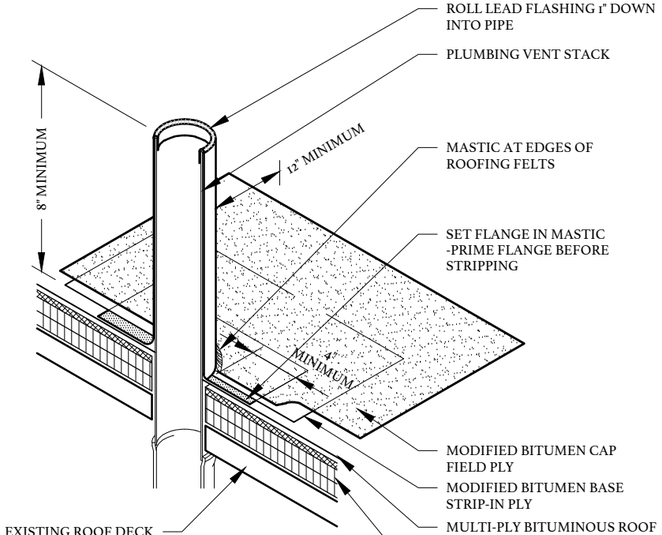


13 R303 — PITCH PAN WITH UMBRELLA
NOT TO SCALE (TYPICAL)



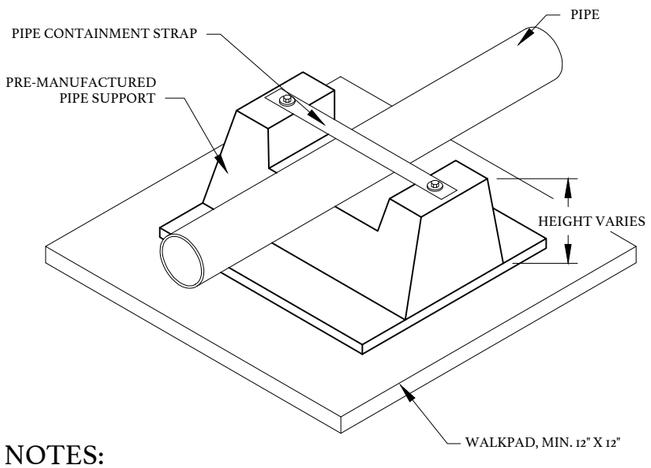
NOTES:
1. TYPICAL DETAIL FOR VARIOUS SHEET METAL COUNTERFLASHINGS.

14 R303 — LIGHTNING ARRESTOR SYSTEM MOUNTING
NOT TO SCALE (TYPICAL)



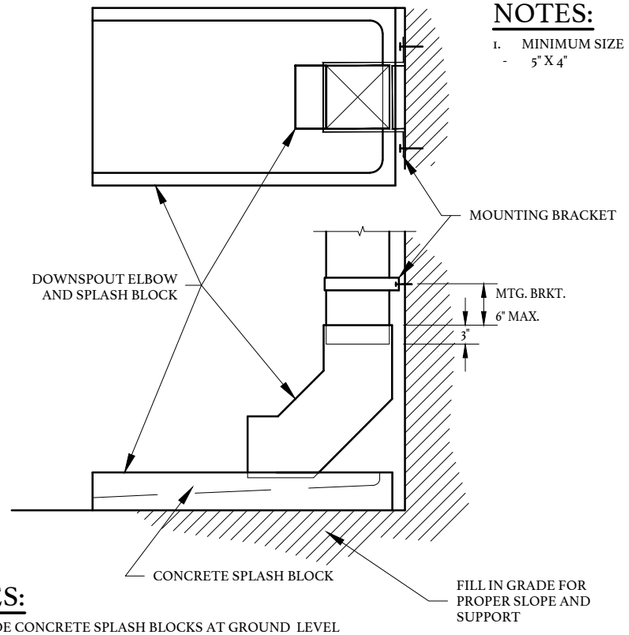
NOTES:
1. SHEET LEAD MINIMUM OF 4 LB PER SQUARE FOOT.
2. RAISE VTR USING CAST IRON PIPE AND COUPLING TO MINIMUM OF EIGHT INCH HEIGHT ABOVE FINISHED ROOF.

15 R303 — PLUMBING VENT FLASHING
NOT TO SCALE (TYPICAL)



NOTES:
1. THIS DETAIL IS FOR CONDUIT AND SMALL DIAMETER (LESS THAN 2") PIPES ON ROOF SURFACE.
2. HEIGHT TO BE PROVIDED TO EXTEND PIPES OVER EXPANSION JOINTS. TO REPLACE ALL LOCATIONS CURRENTLY USING CMU BLOCK OR WOOD.
3. FOR USE AT SUPPORTS, SET BLOCKING AT MAXIMUM 5' O.C. AND AT ALL CHANGES IN DIRECTION.
4. LARGER PADS ARE TO BE USED AT SATELLITE DISH CONFIGURATIONS, WHERE APPLICABLE.
5. EXISTING SUPPORTS CAN BE USED IN COMBINATION WITH ADDED NEW SUPPORTS FOR REQUIRED SPACING.
6. WALKPAD USED FOR WALKWAYS, ROOF ACCESS, AND AROUND MECHANICAL EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURERS DESIGNATED WALKPAD MATERIAL.
7. REUSE EXISTING PREFABRICATED CONDUIT/PIPE SUPPORTS.

16 R303 — PREFABRICATED CONDUIT/PIPE SUPPORT WITH PAD (< 2" Ø)
NOT TO SCALE (TYPICAL)



NOTES:
1. MINIMUM SIZE - 5" X 4"

NOTES:
1. PROVIDE CONCRETE SPLASH BLOCKS AT GROUND LEVEL SLOPED AWAY FROM BUILDING, TO DISCHARGE WHEN STORM DRAINS DO NOT EXIST.

17 R303 — DOWNSPOUT TO SPLASH BLOCK
NOT TO SCALE (TYPICAL)

INTENTIONALLY LEFT BLANK

18 R303 — NOT USED

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IIBEC 17026 Registered Roof Consultant

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

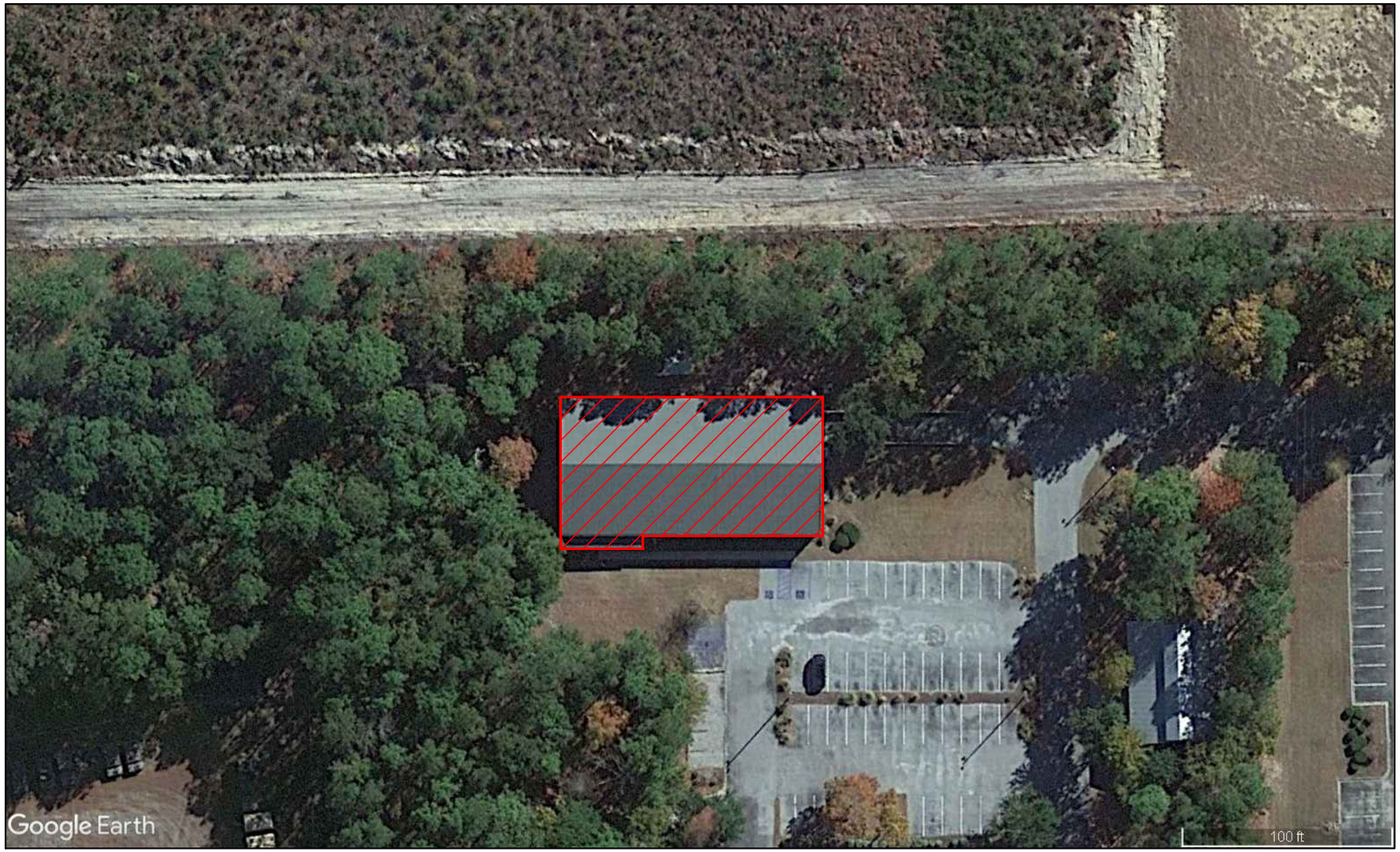
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

DETAILS / SECTIONS

R303

SHEET 18 OF 26

CONSTRUCTION DOCUMENTS



PLAN NORTH

BUILDING 500
AERIAL PLAN
(ALT. #1)

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
LEED AP
17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 500

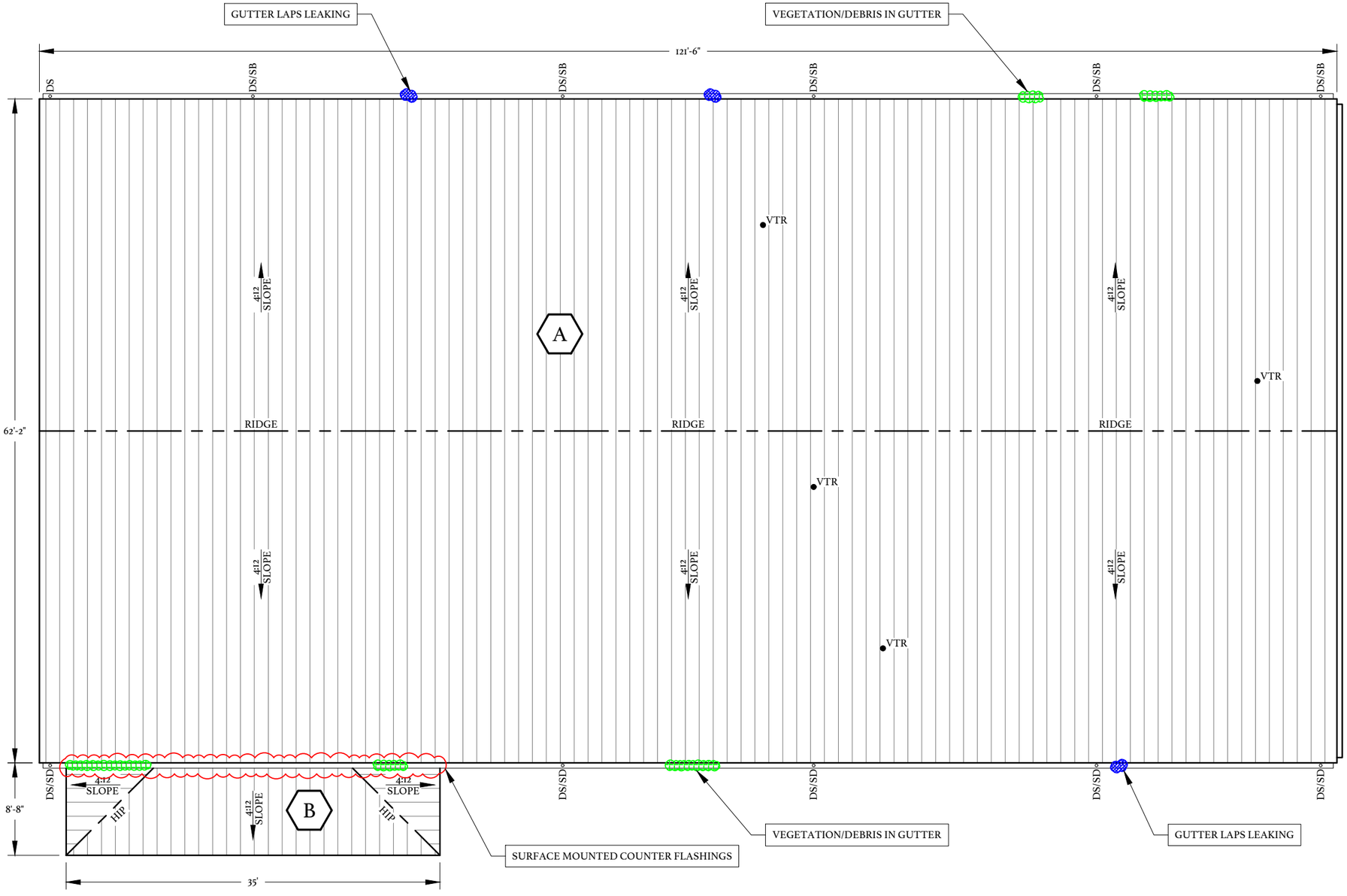
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

BUILDING 500
AERIAL PLAN
(ALT. #1)

R401

SHEET 19 OF 26



LEGEND

- GUTTER LEAK
- VEGETATION

REPAIR NOTES:

1. AT REAR DOWNSPOUT LOCATIONS, LEVEL THE GROUND AND PROVIDE NEW CONCRETE SPLASH BLOCK.
2. AT FRONT DOWNSPOUT LOCATIONS, REATTACH/SECURE FLEXIBLE PVC PIPE AND PROVIDE OVERFLOW MECHANISM.
3. CLEAN OUT ALL GUTTERS, PROVIDE NEW STAINLESS STEEL BEE HIVE STRAINERS AT DOWNSPOUT INLETS.
4. PROVIDE DOWNSPOUT STRAPS AT TOP , BOTTOM, AND 5' ON CENTER.
5. RESEAL ALL GUTTER LAPS.
6. REPLACE ALL VTR BOOT FLASHINGS WITH NEW BOOT FLASHING.
7. REPLACE RUSTED OR LOOSE FASTENERS WITH STAINLESS STEEL FASTENERS, EPDM WASHER, AND ONE SIZE LARGER THEN EXISTING.
8. PROVIDE COUNTERFLASHING WITH ELASTOMERIC COATING AND REINFORCING FABRIC AT "SURFACE MOUNTED COUNTERFLASHING".

PLAN NORTH

ROOF REPAIR PLAN
BUILDING 500
(ALT. #1)

10' 5' 0 10' 20'
GRAPHIC SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
LICENSED
2026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 500
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

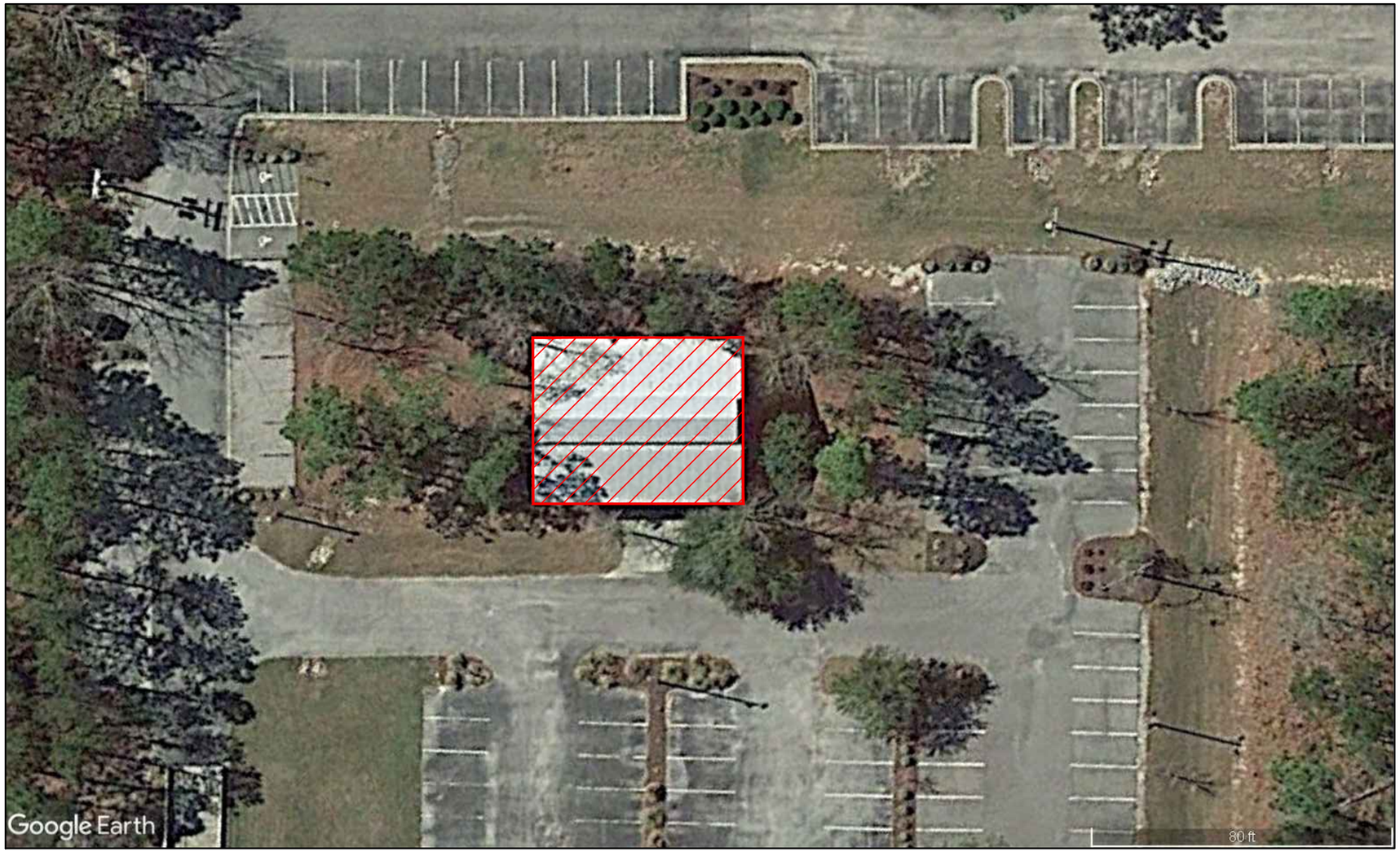
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

METAL ROOF
REPAIR PLAN
BUILDING 500
(ALT. #1)

R402

SHEET 20 OF 26

CONSTRUCTION DOCUMENTS



N

PLAN NORTH

WILDLIFE PAVILION
AERIAL PLAN
(ALT. #1)

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group

1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook
USIEC 17026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
WILDLIFE PAVILION

OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B

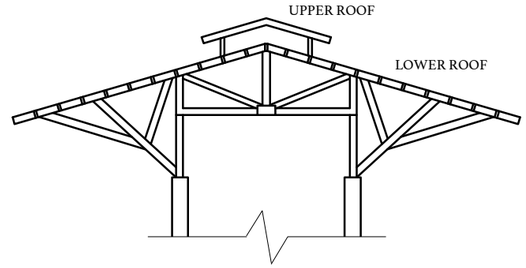
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

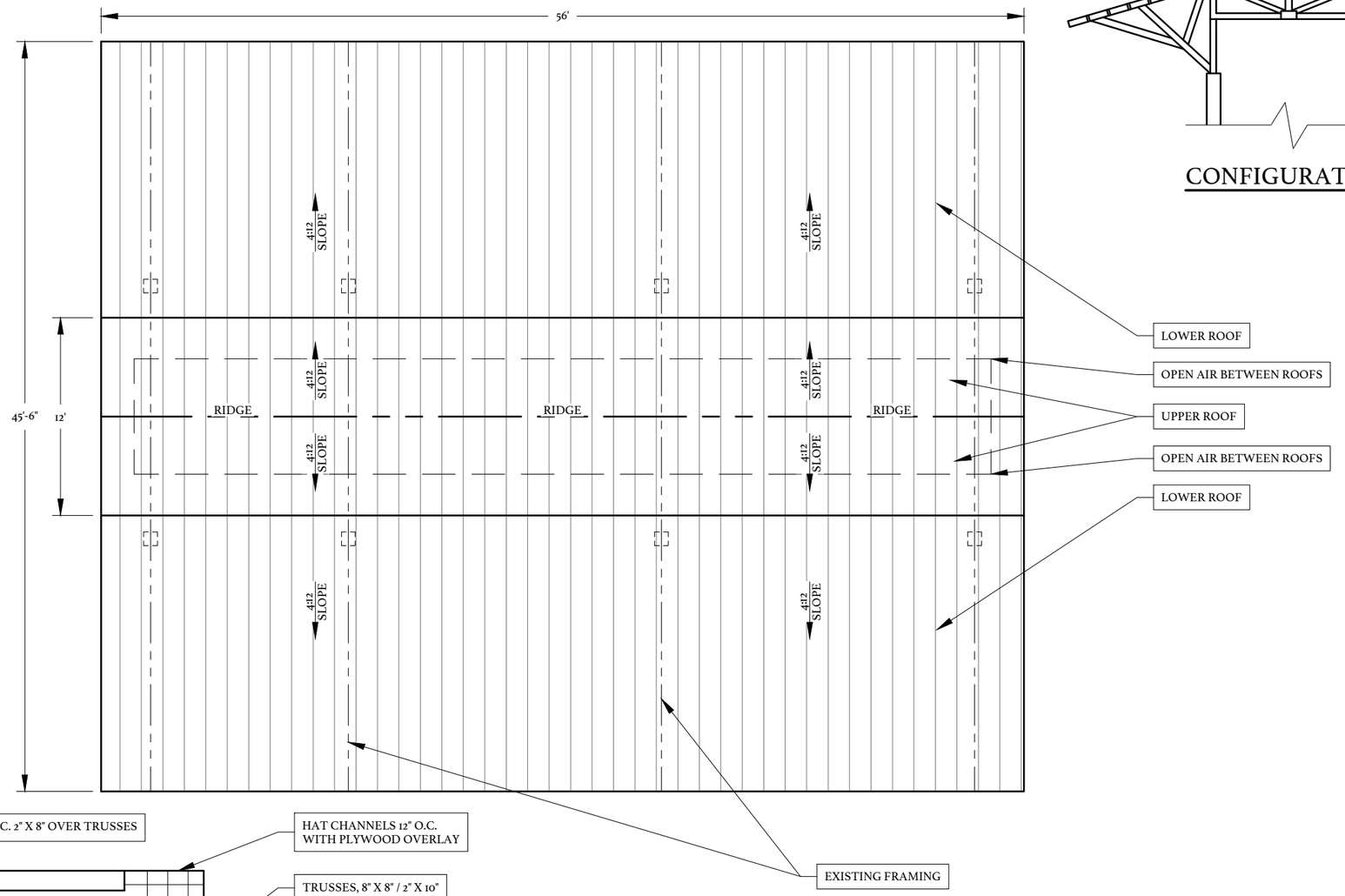
WILDLIFE PAVILION
AERIAL PLAN
(ALT. #1)

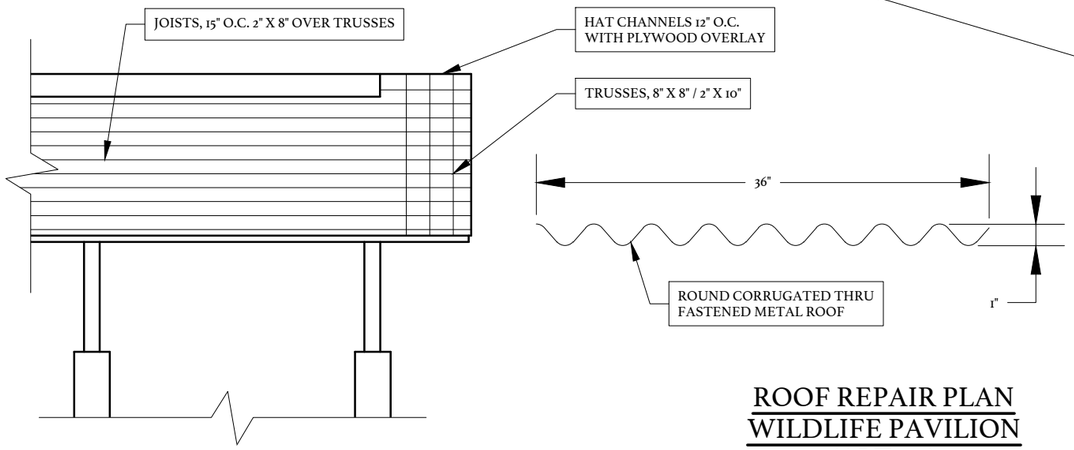
R403

SHEET 21 OF 26



CONFIGURATION





FRAMING

ROOF REPAIR PLAN
WILDLIFE PAVILION
(ALT. #1)

PLAN NORTH

REPAIR NOTES:

1. REMOVE DEBRIS/VEGETATION.
2. REPLACE RUSTED OR LOOSE FASTENERS WITH STAINLESS STEEL FASTENERS, EPDM WASHER, AND ONE SIZE LARGER THEN EXISTING.
3. PROVIDE VERTICAL LEG CLOSURE AT TOP EDGE OF LOWER ROOF PANELS, BELOW UPPER ROOF.

8' 6' 4' 2' 0 8' 16'

GRAPHIC SCALE

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
RRC 4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
WILDLIFE PAVILION
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

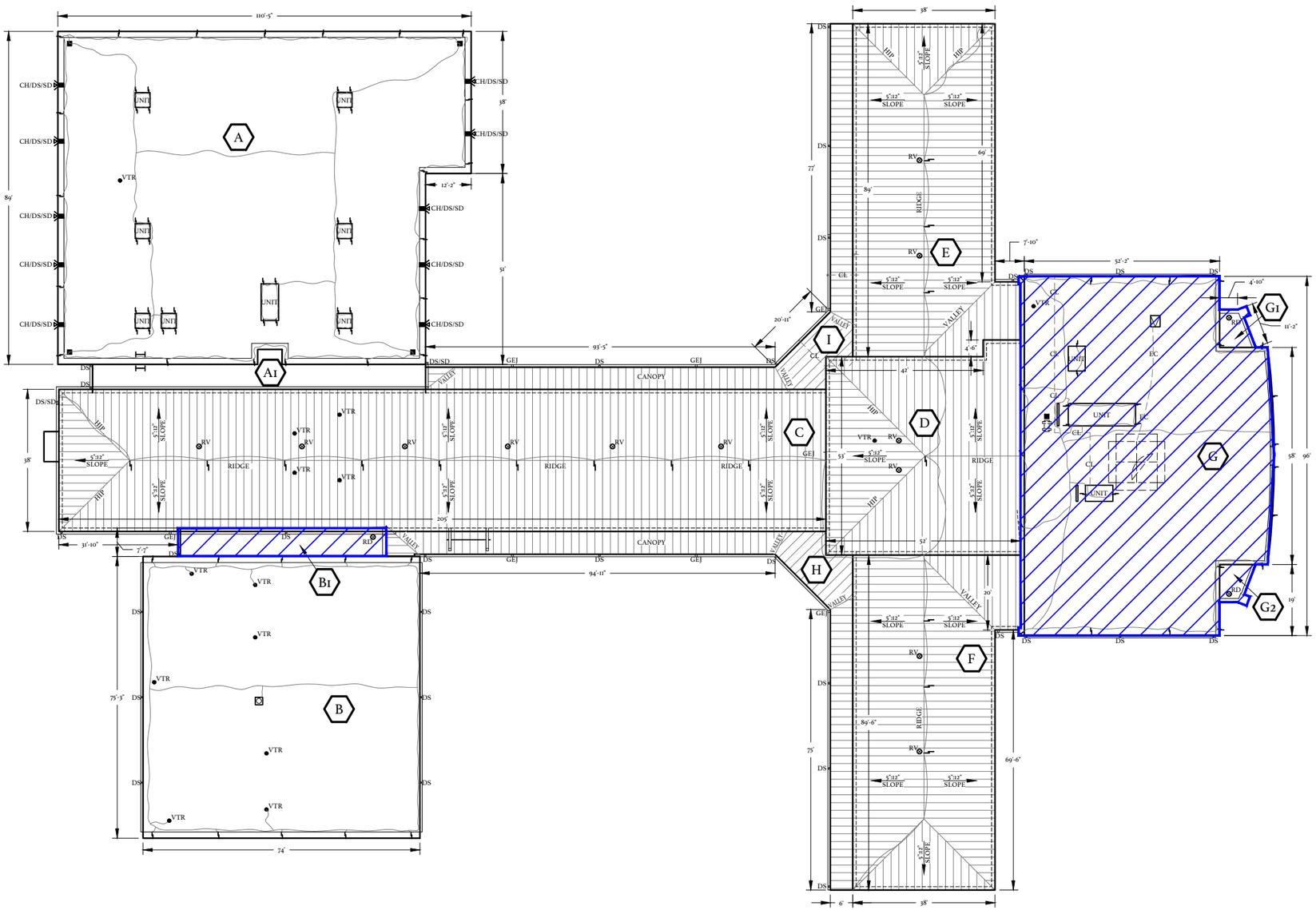
DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

ROOF REPAIR PLAN
WILDLIFE PAVILION
(ALT. #1)

R404

SHEET 22 OF 26

CONSTRUCTION DOCUMENTS



REPAIR NOTES:

1. REMOVE ALL TRASH, DEBRIS, VEGETATION, AND ABANDONED EQUIPMENT/MATERIALS FROM EACH ROOF AREA.
2. CLEAR OUT ALL EXTERIOR DRAINAGE OUTLETS (GUTTERS, DRAINS, SCUPPERS, DOWNSPOUTS, ETC).
   a. PROVIDE PMMA LIQUID APPLIED FLASHING AT EACH ROOF DRAIN.
3. PROVIDE NEW SUPPORTS, SPACING 5' ON CENTER, UNLESS NOTED OTHERWISE FOR SMALL (LESS THAN 2" Ø) CONDUITS, PIPES, ETC.
4. SPUD GRAVEL 12" FROM EDGE CONDITION AND PROVIDE GRANULAR SURFACED MODIFIED BITUMEN STRIP IN FOR EACH EDGE/GUTTER CONDITION ON AREA G.
5. PROVIDE SPLASH PAN AT DOWNSPOUT OUTLET ON AREA B1.
6. RESECURE LOOSE LIGHTNING PROTECTION ARRESTORS.

LEGEND

= ALTERNATE 1

N

PLAN NORTH

GENERAL MAINTENANCE PLAN
BUILDING 100
(ALT. #1)

NOT TO SCALE

CONSTRUCTION DOCUMENTS

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

Richard L. Cook IV
RRC 4026
Registered Roof Consultant

HORRY-GEORGETOWN TECHINCAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS
GEORGETOWN CAMPUS BUILDINGS
BUILDING 100
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

DATE:	03/13/2024
BEE PROJECT #:	23010B
DESIGNED:	RLC
CHECKED:	JCG
DRAWN:	KAM
REVISION:	

GENERAL MAINTENANCE PLAN
BUILDING 100
(ALT. #1)

R405

ABBREVIATIONS:

AB	ANCHOR BOLT
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ALT	ALTERNATE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT
B/	BOTTOM OF
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BLK	BLOCK
BTWN	BETWEEN
CANT	CANTILEVER
C/C	CENTER TO CENTER
CHAM	CHAMFER
CIRC	CIRCULAR
CJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CTRD	CENTERED
D	DEPTH
DBE	DECK BEARING ELEVATION
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWGS	DRAWINGS
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENGR	ENGINEER
E0S	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE
EW	EACH WAY
EXP	EXPANSION
EXIST	EXISTING
EXT	EXTERIOR
F/	FACE OF
FC	FILLED CELL
FF	FINISHED FLOOR
FIN	FINISH
FLR	FLOOR
FDN	FOUNDATION
FRMG	FRAMING
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GALV	GALVANIZED
GA	GAUGE
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INCL	INCLUDE, ING
INT	INTERIOR
JBE	JOIST BEARING ELEVATION
LB	POUND
LG	LONG
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LSL	LONG SLOTTED HOLES
LT	LIGHT
LTWT	LIGHTWEIGHT
MAS	MASONRY
MAX	MAXIMUM
MBD	METAL BUILDING DESIGNER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MASONRY JOINT
MO	MASONRY OPENING
MSD	METAL STUD DESIGNER
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OW	OPEN WEB
PAF	POWDER ACTUATED FASTENER
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PEMB	PRE-ENGINEERED METAL BUILDING
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCEMENT
RET	RETURN
REV	REVISION
RP	RADIUS POINT
RT	RIGHT
RTU	ROOF TOP UNIT
S	SOUTH
SA	SLEEVE ANCHOR
SB	SLAB BOLSTER
SCHED	SCHEDULE
SECT	SECTION
SF-	STEP FOOTING
SIM	SIMILAR
SPEC	SPECIFICATIONS
SP	SPACING,ES
SQ	SQUARE
SSL	SHORT SLOTTED HOLES
SS	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENERS
STL	STEEL
SYMM	SYMMETRICAL
T/	TOP OF
TB	TIE BEAM
TC	TIE COLUMN
TCX	TOP CHORD EXTENSION
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
TRAN	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
TD	TREATED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WWR	WELDED WIRE REINFORCEMENT

DRAWING LIST

SHEET NUMBER	SHEET NAME
S001	ABBREVIATIONS
S002	BUILDING 100 - DESIGN CRITERIA
S101	BUILDING 100 - WIND PRESSURE DIAGRAM

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING
SYSTEMS GEORGETOWN
CAMPUS BUILDINGS
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161 ADCENGINEERING.COM

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
ADC ENGINEERING INC.
No. 00253

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 28196
CHRISTOPHER J. GILGER

DATE: 03/13/2024
ADC PROJECT #: 23290
DESIGNED: CJG
CHECKED: CJG
DRAWN: SAC
REVISION:

ABBREVIATIONS

S001

SHEET 24 OF 26

CONSTRUCTION DOCUMENTS

STRUCTURAL DESIGN CRITERIA

1. GRAVITY LOAD DESIGN VALUES: IBC-2021 / ASCE 7-16

   ROOF LIVE LOADS:
   FLAT ROOF 20-PSF

   GROUND SNOW LOADS:
   SNOW 5-PSF

   DEAD LOADS:
   ACTUAL MATERIAL WEIGHTS PER ASCE 7-16, SEE ARCHITECTURAL DRAWINGS FOR ROOF, WALL, AND FLOOR CONSTRUCTION

2. SEISMIC DESIGN VALUES: IBC-2021 / ASCE 7-16
   Ss = 0.511
   S1 = 0.167
   Sds = 0.474
   Sd1 = 0.252
   SITE CLASS: "D" (DEFAULT)
   BUILDING RISK CATEGORY: "III"
   IMPORTANCE FACTOR: Ie = 1.25
   SEISMIC DESIGN CATEGORY: "D"
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
   SEISMIC FORCE RESISTING SYSTEM:
   -EXISTING
   RESPONSE MODIFICATION FACTOR: R = N/A
   DEFLECTION AMPLIFICATION FACTOR: Cd = N/A
   SYSTEM OVERSTRENGTH FACTOR: OMEGA = N/A

   ALLOWABLE INTERSTORY DRIFT: 0.02 Hsx

3. WIND LOAD DESIGN VALUES: IBC-2021 / ASCE 7-16
   V = 157 mph (3-sec gust)
   BUILDING RISK CATEGORY: "III"
   EXPOSURE CATEGORY: "C"
   ENCLOSURE CLASSIFICATION: ENCLOSED

   WIND DIRECTIONALITY FACTOR: Kd = 0.85
   TOPOGRAPHIC FACTOR: Kzt = 1.0
   VELOCITY EXPOSURE COEFFICIENT: Kz = 0.89
   GROUND ELEVATION FACTOR: Ke = 0.99
   VELOCITY PRESSURE: q = 47.26 psf (ULT)
   q = 28.36 psf (ASD)

   INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18

   ALLOWABLE INTERSTORY DRIFT: 0.0025 Hsx

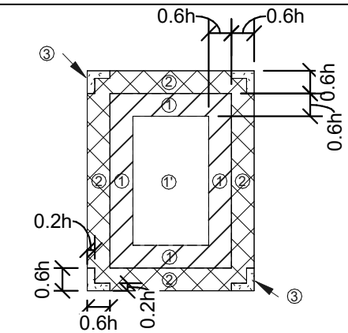
Components and Cladding Wind Pressures (Factored/ASD): Flat/Low Sloping Roof

ASD PRESSURES

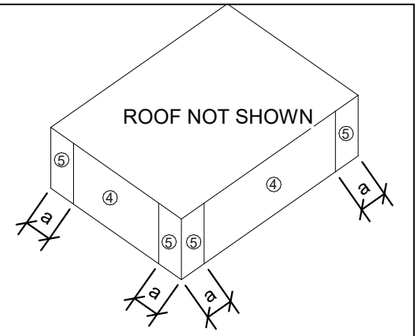
DESCRIPTION	AREA	ZONE	MAX P	MIN P
	SF		PSF	PSF
ROOF FIELD	10	1'	9.60	-25.52
ROOF FIELD	20	1'	9.60	-25.52
ROOF FIELD	50	1'	9.60	-25.52
ROOF FIELD	100	1'	9.60	-25.52
ROOF FIELD EDGE	10	1	9.60	-48.21
ROOF FIELD EDGE	20	1	9.60	-44.70
ROOF FIELD EDGE	50	1	9.60	-40.04
ROOF FIELD EDGE	100	1	9.60	-36.53
ROOF EDGE	10	2	9.60	-65.23
ROOF EDGE	20	2	9.60	-60.72
ROOF EDGE	50	2	9.60	-54.73
ROOF EDGE	100	2	9.60	-50.20
ROOF CORNER	10	3	9.60	-90.75
ROOF CORNER	20	3	9.60	-81.71
ROOF CORNER	50	3	9.60	-69.74
ROOF CORNER	100	3	9.60	-60.72
WALL FIELD	10	4	25.52	-28.08
WALL FIELD	20	4	24.16	-26.72
WALL FIELD	50	4	22.38	-24.93
WALL FIELD	100	4	21.01	-23.57
WALL EDGE	10	5	25.52	-35.73
WALL EDGE	20	5	24.16	-33.01
WALL EDGE	50	5	22.38	-29.44
WALL EDGE	100	5	21.01	-26.72

Components and Cladding Wind Parapets

DESCRIPTION	AREA	ZONE	P (NET)
	SF		PSF
WINDWARD PARAPET	10	4_P	93.94
WINDWARD PARAPET	10	5_P	120.37
LEEWARD PARAPET	10	4_P	55.49
LEEWARD PARAPET	10	5_P	63.41



LOW-SLOPED ROOF ZONE DIAGRAM
h=19 ft. 0.6h=11.5 ft.
0.2h=4 ft.



WALL ZONE DIAGRAM
a= 7.6 ft.

GENERAL NOTES

1. STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ENTIRE SET OF PROJECT DRAWINGS, PROJECT MANUAL, AND ALL SHOP DRAWING SUBMITTALS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS, CLEARANCES AND ALL OTHER COORDINATION ISSUES WITH OTHER TRADES.
3. IN CASE OF CONFLICT BETWEEN VARIOUS STRUCTURAL DRAWINGS, STRUCTURAL PLANS, OR STRUCTURAL DETAILS THE MORE STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MORE COSTLY CONDITION.
4. IN CASE OF CONFLICT BETWEEN DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS THE MORE STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS BID FOR THE MORE COSTLY CONDITION.
5. WORK NOT INDICATED ON THE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
6. ALL NOTES, DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS INDICATED OR REFERENCED. ALL NOTES, DETAILS AND SECTIONS SHALL APPLY TO ANY SIMILAR SITUATION THROUGHOUT THE ENTIRE PROJECT UNLESS A SEPARATE NOTE, DETAIL OR SECTION IS PROVIDED.
7. REVIEW ALL PROJECT DOCUMENTS PRIOR TO FABRICATION AND START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH WORK.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING AND IN PLACE WORK OR UTILITIES DURING CONSTRUCTION
9. COORDINATE STRUCTURAL DRAWINGS WITH OTHER CONTRACT DRAWINGS, SPECIFICATIONS, OR SHOP DRAWINGS WHICH MAY AFFECT THE STRUCTURAL WORK.
10. USE OF REPRODUCED CONTRACT DRAWINGS IN PART OR WHOLE FOR THE PURPOSE OF SHOP DRAWING PREPARATION SHALL NOT RELIEVE THE CONTRACTOR OR SUBCONTRACTOR FROM THE REQUIREMENT TO ACCURATELY LAYOUT, COORDINATE, DETAIL, FABRICATE AND INSTALL A COMPLETE STRUCTURE.
11. ALL SUBMITTALS SHALL BE REVIEWED BY THE SUBCONTRACTOR AND CONTRACTOR FOR CONFORMANCE TO THE CONTRACT DOCUMENTS, FOR COMPLETENESS, AND TO RESPOND TO CONTRACTOR COORDINATION RELATED QUESTIONS PRIOR TO SUBMITTING FOR APPROVAL. ALL SHEETS SHALL BE STAMPED AND INITIALED BY THE CONTRACTOR INDICATING SUCH A REVIEW HAS BEEN COMPLETED PRIOR TO ISSUING SUBMITTAL FOR APPROVAL.
12. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL.
13. ALL ELEVATIONS INDICATED IN STRUCTURAL DRAWINGS ARE IN REFERENCED TO A GROUND FLOOR FINISHED SLAB ELEVATION OF 0'-0" UNLESS NOTED OTHERWISE. SEE CIVIL FOR GROUND FLOOR FINISHED SLAB ELEVATION.

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS GEORGETOWN CAMPUS BUILDINGS
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161 ADCENGINEERING.COM

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION ADC ENGINEERING INC. No. 00253

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 28196 CHRISTOPHER J. GILGER 3-13-24

DATE:	03/13/2024
ADC PROJECT #:	23290
DESIGNED:	CJG
CHECKED:	CJG
DRAWN:	SAC
REVISION:	

BUILDING 100 - DESIGN CRITERIA

S002

SHEET 25 OF 26

CONSTRUCTION DOCUMENTS

GENERAL NOTES:
- FFE = 0' - 0"
- ROOF ELEV = 19' (+/-)
- SEE S002 FOR WIND PRESSURES

= ZONE 1 WIND PRESSURE

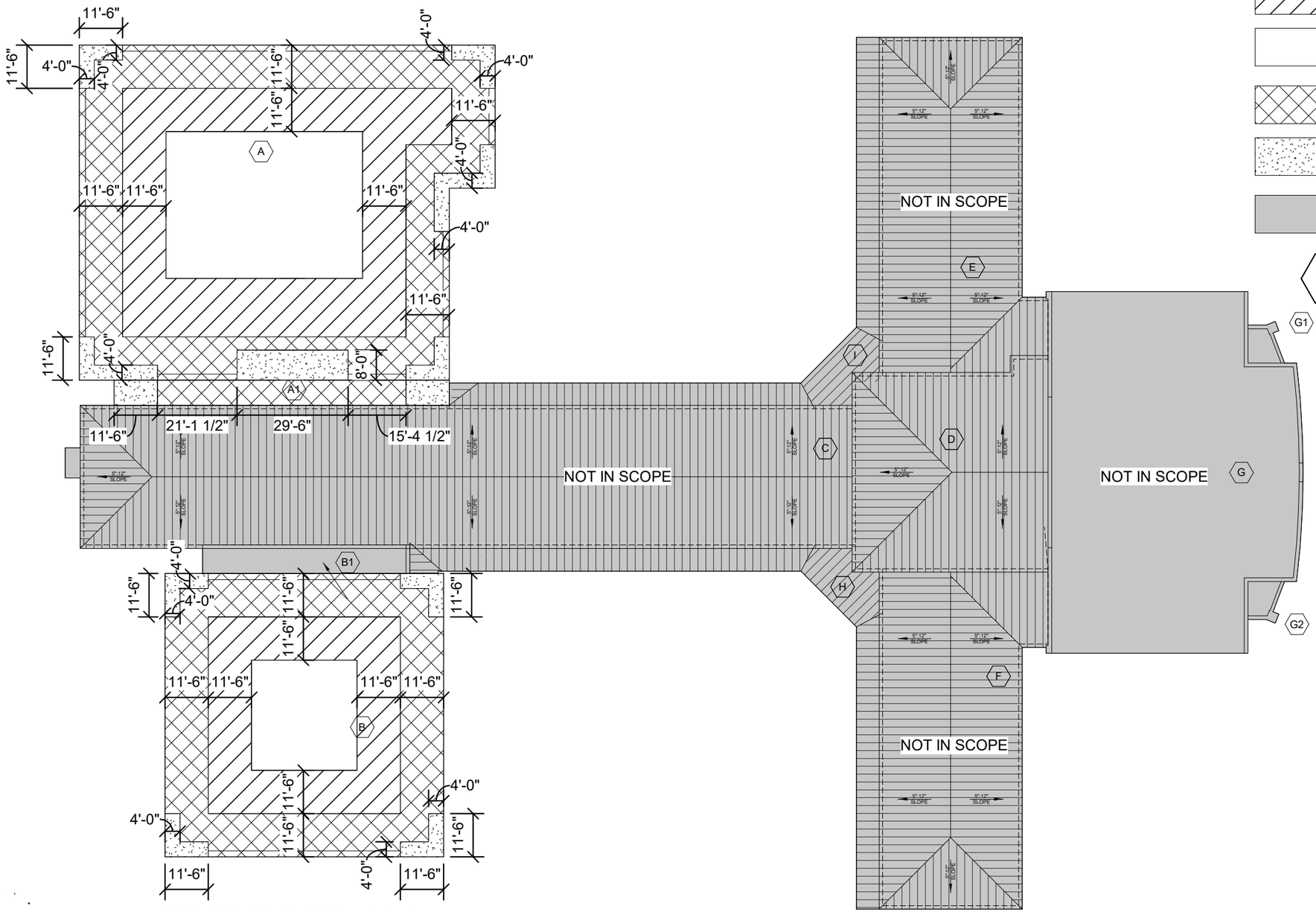
= ZONE 1' WIND PRESSURE

= ZONE 2 WIND PRESSURE

= ZONE 3 WIND PRESSURE

= NOT IN SCOPE

= SEE BEE DRAWINGS FOR ROOF AREAS LABEL



N

PLAN NORTH

1 BUILDING 100

1" = 30'-0"

KEYED NOTES (THIS SHEET ONLY)

CONSTRUCTION DOCUMENTS

HORRY-GEORGETOWN TECHNICAL COLLEGE
REPAIR/REPLACE ROOFING SYSTEMS GEORGETOWN CAMPUS BUILDINGS
OWNER PROJECT NUMBER: H59-6228-PD
BEE PROJECT NUMBER: 23010B
4003 SOUTH FRASER STREET
GEORGETOWN, SOUTH CAROLINA

ADC ENGINEERING
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161 ADCENGINEERING.COM

The BUILDING ENVELOPE ENCLOSURE Group
1226 YEAMANS HALL ROAD, STE C
HANAHAN, SC 29410

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION ADC ENGINEERING INC. No. 00253

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 28196 CHRISTOPHER J. GILGER 3-13-24

DATE:	03/13/2024
ADC PROJECT #:	23290
DESIGNED:	CJG
CHECKED:	CJG
DRAWN:	SAC
REVISION:	

BUILDING 100 - WIND PRESSURE DIAGRAM

S101

SHEET 26 OF 26