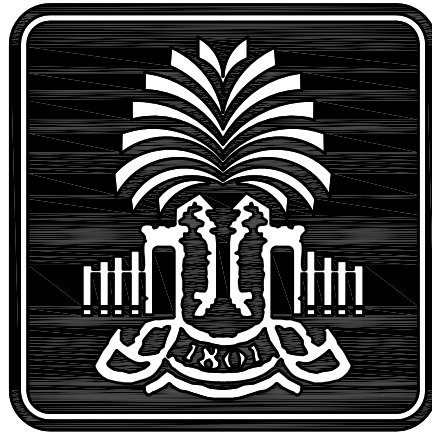


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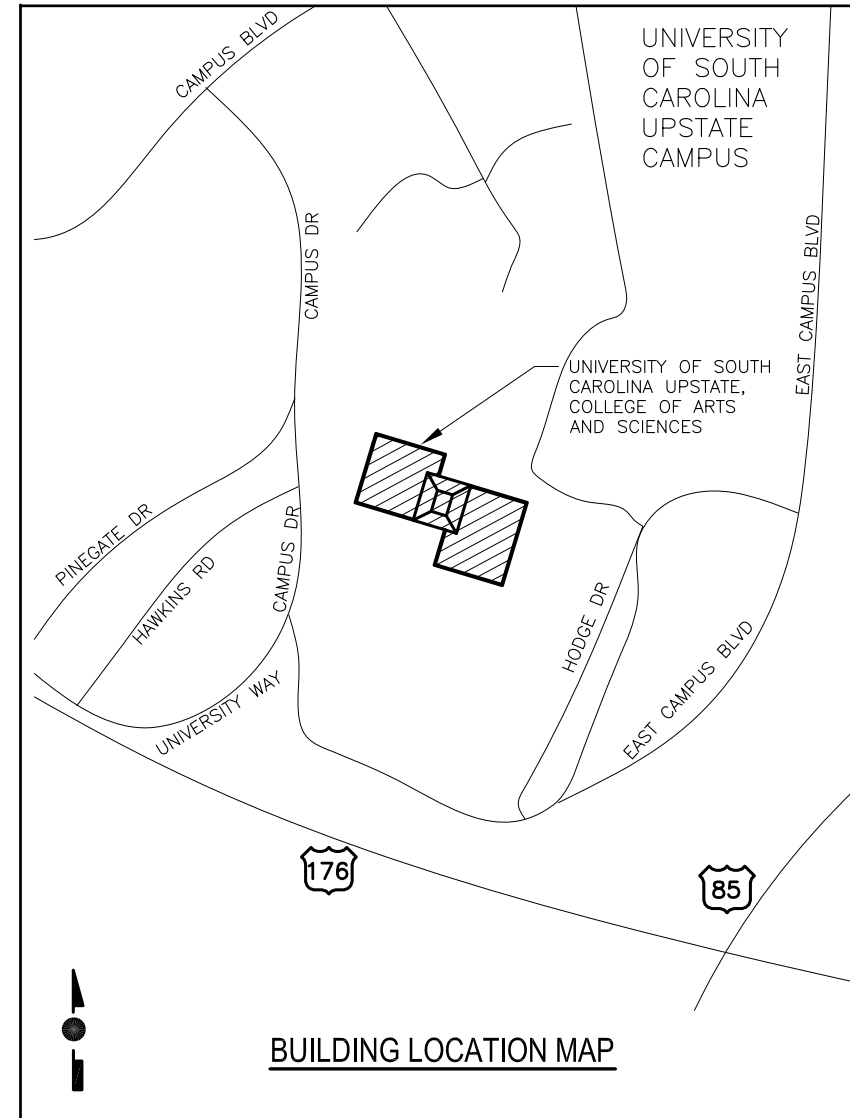
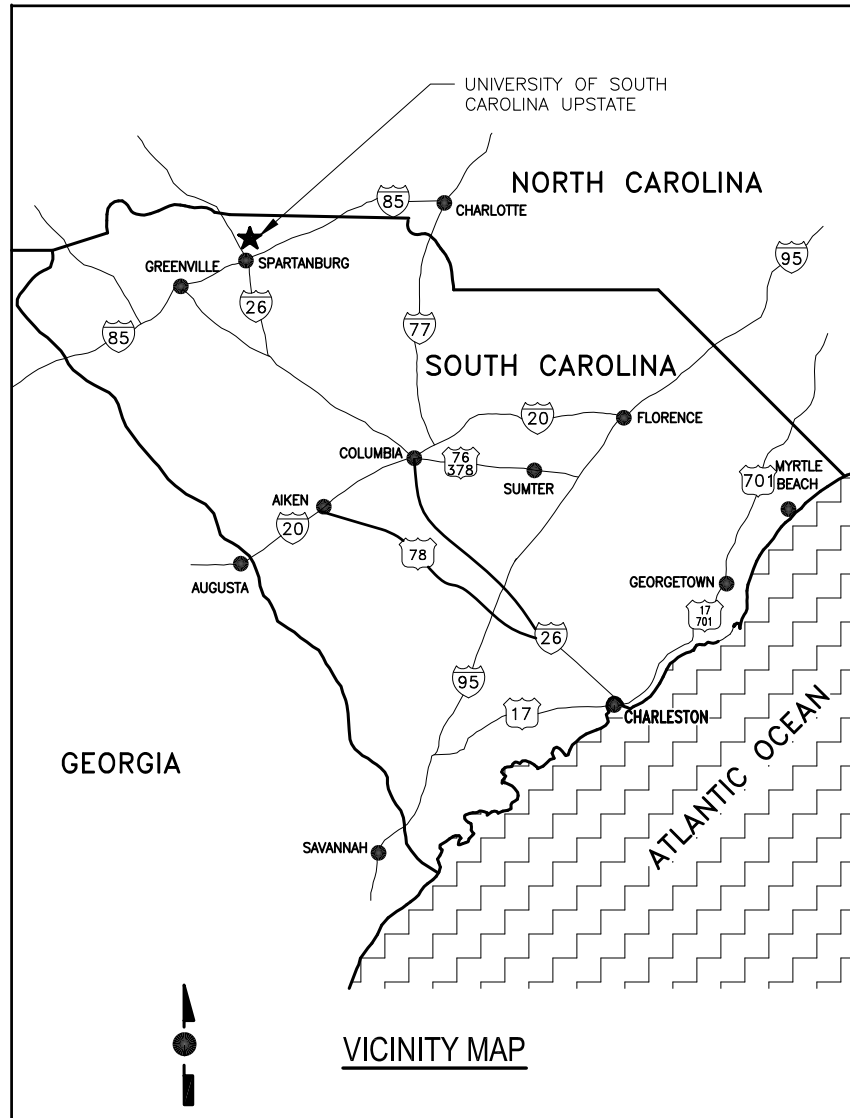


UPSTATE CASB ROOF REPLACEMENT

UNIVERSITY OF SOUTH CAROLINA UPSTATE

800 UNIVERSITY WAY
SPARTANBURG, SOUTH CAROLINA

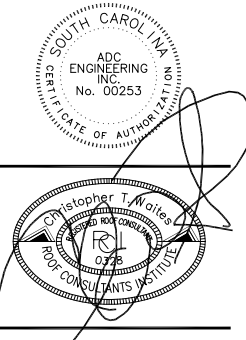
OWNER PROJECT NUMBER: H34-9543-JM-A
ADC PROJECT NUMBER: 11338



LEGEND		ABBREVIATIONS	
XR-1	SAMPLE TAKEN, R=ROOF F=FLASHING S=STICK	A	ABANDONED
[Symbol]	ROOF AREA / LEVEL	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
[Symbol]	LOCATION OF SAMPLE CORE	BIA	BRICK INDUSTRY ASSOCIATION
[Symbol]	ROOF AREA SYMBOL	DS	DOWNSPOUT
RD	ROOF DRAIN	EPDM	SINGLE PLY
OF	OVERFLOW DRAIN	ETC	ET CETERA
[Symbol]	GUTTER W/ DOWNSPOUT TO STORM DRAIN	HVAC	HEAT/VENTILATION/AIR CONDITION
VTR	VENT THROUGH ROOF	LB	POUND
[Symbol]	PARAPET WALL	MAX	MAXIMUM
[Symbol]	ROOF SCUTTLE	MIN	MINIMUM
[Symbol]	CURB/STACK	N.I.C.	NOT IN CONTRACT
[Symbol]	STACK	NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
[Symbol]	VENTILATOR	O.C.	ON CENTER
[Symbol]	RELIEF VENT	OSHA	OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION
[Symbol]	ANTENNA W/ STAND	PVC	POLYVINYLCHLORIDE
[Symbol]	SLOPE DIRECTION	RD	ROOF DRAIN
[Symbol]	DEMOLITION HATCH	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS ASSOCIATION, INC.
[Symbol]	SLATE HATCH	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			
R101	COVER SHEET		
R102	GENERAL NOTES		
R103	EXISTING ROOF PLAN		
R104	NEW ROOF PLAN		
R105	TAPER ROOF PLAN		
R201	DETAILS / SECTIONS		
R202	DETAILS / SECTIONS		
R203	DETAILS / SECTIONS		

UNIVERSITY OF SOUTH CAROLINA UPSTATE
UPSTATE CASB ROOF REPLACEMENT

OWNER PROJECT NUMBER: H34-9543-JM-A
ADC PROJECT NUMBER: 11338
800 UNIVERSITY WAY
SPARTANBURG, SOUTH CAROLINA



DATE: 1/29/31
ADC PROJECT #: 11338
DESIGNED: CTW
CHECKED: CTW
DRAWN: DAN
REVISION:

COVER SHEET

R101
SHEET 1 OF 8

SUMMARY OF WORK

- A. THE BUILDING WILL REMAIN COMPLETELY FUNCTIONAL AND FULLY PROTECTED AT ALL TIMES DURING THE CONSTRUCTION WORK.
- B. BASE BID WORK INCLUDES TOTAL REMOVAL OF THE EXISTING LOW SLOPED ROOFING SYSTEMS DOWN TO THE STRUCTURAL DECK FOR APPROXIMATELY 200 SQUARES OF ROOF AND REPAIRS TO THE EXISTING SLATE ROOFING SYSTEM. ROOF REPLACEMENT INCLUDES MINOR DECK REPAIRS, ROUGH CARPENTRY, ROOF INSULATION, INCLUDING TAPER, AND A THREE-PLY AND MODIFIED CAP SHEET ROOF SYSTEM. ALL ASSOCIATED SHEET METAL COMPONENTS AND ACCESSORIES ARE INCLUDED. REMOVAL OF MINOR, NON-FRIABLE ASBESTOS CONTAINING ROOF MATERIALS IS INCLUDED.
- DEMOLITION OF THE EXISTING ROOF SYSTEM(S) DOWN TO THE DECK IN ACCORDANCE WITH SECTION 02 04 00, CUTTING AND PATCHING AND SECTION 02 05 00, DEMOLITION AND REMOVAL.
 - ASBESTOS ABATEMENT OF NON-FRIABLE ASBESTOS CONTAINING ROOFING MATERIALS (ACRM) IN ACCORDANCE WITH SECTION 02 82 16 ENGINEERING CONTROL OF ASBESTOS CONTAINING MATERIAL..
 - MODIFICATIONS AND REPAIRS TO LIGHTWEIGHT INSULATING CONCRETE/GYPSUM IN ACCORDANCE WITH SECTION 03 52 00, LIGHTWEIGHT INSULATING CONCRETE/GYPSUM DECK REPAIR.
 - FABRICATE AND INSTALL METAL FABRICATIONS, LADDERS AND LADDER BRACKETS IN ACCORDANCE WITH SECTION 05 55 00, METAL FABRICATION.
 - ROUGH CARPENTRY IN ACCORDANCE WITH SECTION 06 10 00, ROUGH CARPENTRY.
 - ROOF INSULATION IN ACCORDANCE SECTION 07 22 00, THERMAL ROOF INSULATION.
 - REPAIRS TO EXISTING SLATE ROOFING SYSTEM IN ACCORDANCE WITH SECTION 07 31 09, SLATE ROOFING REPAIR.
 - ROOF MEMBRANE, MEMBRANE FLASHINGS, ASSOCIATED COMPONENTS AND ACCESSORIES IN ACCORDANCE WITH SECTION 07 53 07, MODIFIED BITUMEN CAP SHEET AND FELT ROOFING SYSTEM.
 - SHEET METAL, COMPONENTS AND ACCESSORIES PER SECTION 07 60 00, SHEET METAL.
 - REPLACEMENT OF SEALANT SYSTEMS FROM THE ROOFING AND SHEET METAL IN ACCORDANCE WITH SECTION 07 92 00, SEALANTS FOR ROOFING AND SHEET METAL.
- C. UNIT PRICES AND ALLOWANCES ARE INCLUDED IN ACCORDANCE WITH SECTION 01 21 10, UNIT PRICES AND ALLOWANCES AND ARE TO BE INCLUDED IN THE BASE BID.

UNIT PRICE QUANTITIES

- IN ACCORDANCE WITH SECTION 01 11 00, SUMMARY OF WORK, THE CONTRACT DOCUMENTS INCLUDE WITHIN THE BASE BID SPECIFIC QUANTITIES.
- 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.
- IN ACCORDANCE WITH SECTION 01 21 10 UNIT PRICES AND ALLOWANCES, THE FOLLOWING DOCUMENTATION IS REQUIRED.
 - THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL REPAIR UNIT PRICED QUANTITIES USED BASED ON CONTRACT REQUIREMENTS.
 - CONTRACTOR SHALL NOTIFY OWNER IN WRITING WHEN 80% OF QUANTITY IS USED FOR EACH UNIT PRICE ITEM.
 - 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.
 - PROVIDE PHOTOGRAPH OR VIDEOTAPE DOCUMENTATION OF REPAIRS AND ACTUAL QUANTITIES USED.
 - LOCATE QUANTITIES AND SHOW THEIR LOCATIONS ON DRAWINGS.
 - PROVIDE ACTUAL USED QUANTITIES ON EACH APPLICATION FOR PAYMENT REQUEST.
- 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

- 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.
- 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.
- EXTEND/RAISE ALL PENETRATIONS, CURBS, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS TO A MINIMUM 8" ABOVE THE FINISHED ROOF SURFACE.
- A MINIMUM DISTANCE OF 12 INCHES SHALL EXIST BETWEEN ANY AND ALL PENETRATIONS AND/OR TERMINATIONS.
- USE ROUND SHAPES TO CONSTRUCT EQUIPMENT SUPPORTS AND DO NOT USE PITCH PANS.
- ANY LOCATIONS/CONDITIONS WHERE THE ABOVE REQUIREMENTS CANNOT BE MET, SHALL BE BROUGHT TO THE ATTENTION OF THE ROOF CONSULTANT/ENGINEER OR OWNER IMMEDIATELY.

CONSTRUCTION NOTES

- SUBSTRATE SHALL BE INSPECTED AND REPAIRED AS SPECIFIED PRIOR TO SYSTEM INSTALLATION.
- 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 ALLOWANCES, AND SECTION 06 10 00, ROUGH CARPENTRY.
- 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.
- 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 (6th EDITION).
- ALL FLASHING TERMINATIONS SHALL HAVE CONFORMING WATERTIGHT SHEET METAL CLOSURES, AND WATERPROOF UNDERLAYMENT ALL SHEETMETAL BELOW W/ SEALED LAPS.
- SPECIFIC AND TYPICAL DETAILS ARE PROVIDED W/ GENERIC TYPE DECK SHOWN. TYPICAL DETAILS APPLY TO ALL INSTANCES WHERE SIMILAR CONDITION OCCURS.
- ALL WORK SHALL BE CONDUCTED IN A SUBSTANTIAL WORKMANLIKE MANNER IN ACCORDANCE WITH SPECIFIED REQUIREMENTS.
- INSTALL TAPERED CRICKETS TO PROVIDE POSITIVE DRAINAGE ON THE UPSLOPE SIDE OF ALL NON-ROUND PENETRATIONS GREATER THAN 24" WIDE.
- WALKPADS ARE REQUIRED. INSTALL EACH WALKPAD 12" FROM THE NEXT AND 12" AWAY FROM WALLS AND CURBS.

GENERAL NOTES

- 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.
- ALL BUILDING DIMENSIONS, EXISTING CONDITIONS, ITEM LOCATIONS, AND SIZE AND QUANTITY OF PENETRATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BID.
- LAYDOWN / STORAGE AREA IS LIMITED AND SHALL BE AS APPROVED BY THE OWNER.
- SITE SHALL BE CLEANED ON A DAILY BASIS AND SECURED AT THE END OF EACH WORK DAY.
- BUILDING ACCESS SHALL BE COORDINATED WITH THE OWNER AND SHALL BE ONLY AS REQUIRED TO ACCOMPLISH CONTRACT WORK.

DEMOLITION NOTES

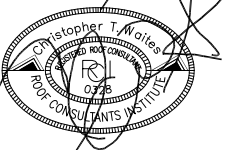
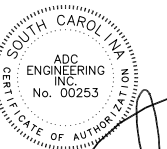
- SEE SECTION 01 50 00, CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS, SECTION 02040, CUTTING AND PATCHING, AND SECTION 02 05 00, DEMOLITION AND REMOVAL.
- REMOVE EXISTING SYSTEMS IN THEIR ENTIRETY DOWN TO THE EXISTING DECK IN INDICATED AREAS OF ROOF REPLACEMENT. AVOID DAMAGING THE ROOF DECK. NO MORE ROOFING SHALL BE REMOVED THAN CAN BE REPLACED BY THE COMPLETE NEW ROOF SYSTEM THE SAME DAY.
- BUILDING ENVELOPE DEMOLITION IS REQUIRED TO THE VARIOUS COMPONENTS AND SYSTEMS TO COMPLETE THE REQUIRED REPAIRS, MODIFICATIONS AND REPLACEMENTS OF THIS PROJECT.
- REMOVE IDENTIFIED ABANDONED PENETRATIONS SHOWN ON DRAWINGS.
- EXISTING NAILERS AND BLOCKING SHALL BE ADDRESSED PER CONSTRUCTION NOTES.
- 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.
- REMOVAL OF ASBESTOS CONTAINING ROOFING, FLASHINGS, CEMENTS, MASTICS AND COATINGS IS REQUIRED. REFER TO CORE SAMPLE DATA AND SECTION 02 82 16.
- 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 ROOF CONSULTANT AND/OR THE OWNER.
- ALL DEMOLITION SHALL ADHERE TO ANSI AND OSHA GUIDELINES, AND SECTION 01 52 50.

PROTECTION NOTES

- FACILITIES MAY BE OCCUPIED DURING CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE FACILITY, CONTENTS, AND OCCUPANTS.
- THE BUILDING SHALL BE WATERTIGHT AT THE END OF EACH DAY'S WORK AND WHEN INCLEMENT WEATHER THREATENS.
- 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.
- 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.
- WORK SHALL BE SEQUENCED TO MINIMIZE TRAFFIC ON THE NEW WORK.
- ASPHALT FUME RECOVERY SYSTEM AND LOW FUMING ASPHALTS ARE REQUIRED AT ALL TIMES.

UNIVERSITY OF SOUTH CAROLINA UPSTATE
UPSTATE CASB ROOF REPLACEMENT

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ADC PROJECT NUMBER: 11338
800 UNIVERSITY WAY
SPARTANBURG, SOUTH CAROLINA



ENGINEERING SPECIALISTS

SITE SERVICES \ BUILDING ENVELOPE \ STRUCTURAL
1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
Fax: 843-566-0162
ADCENGINEERING.COM

DATE: 1/29/31

ADC PROJECT #: 11338

DESIGNED: CTW

CHECKED: CTW

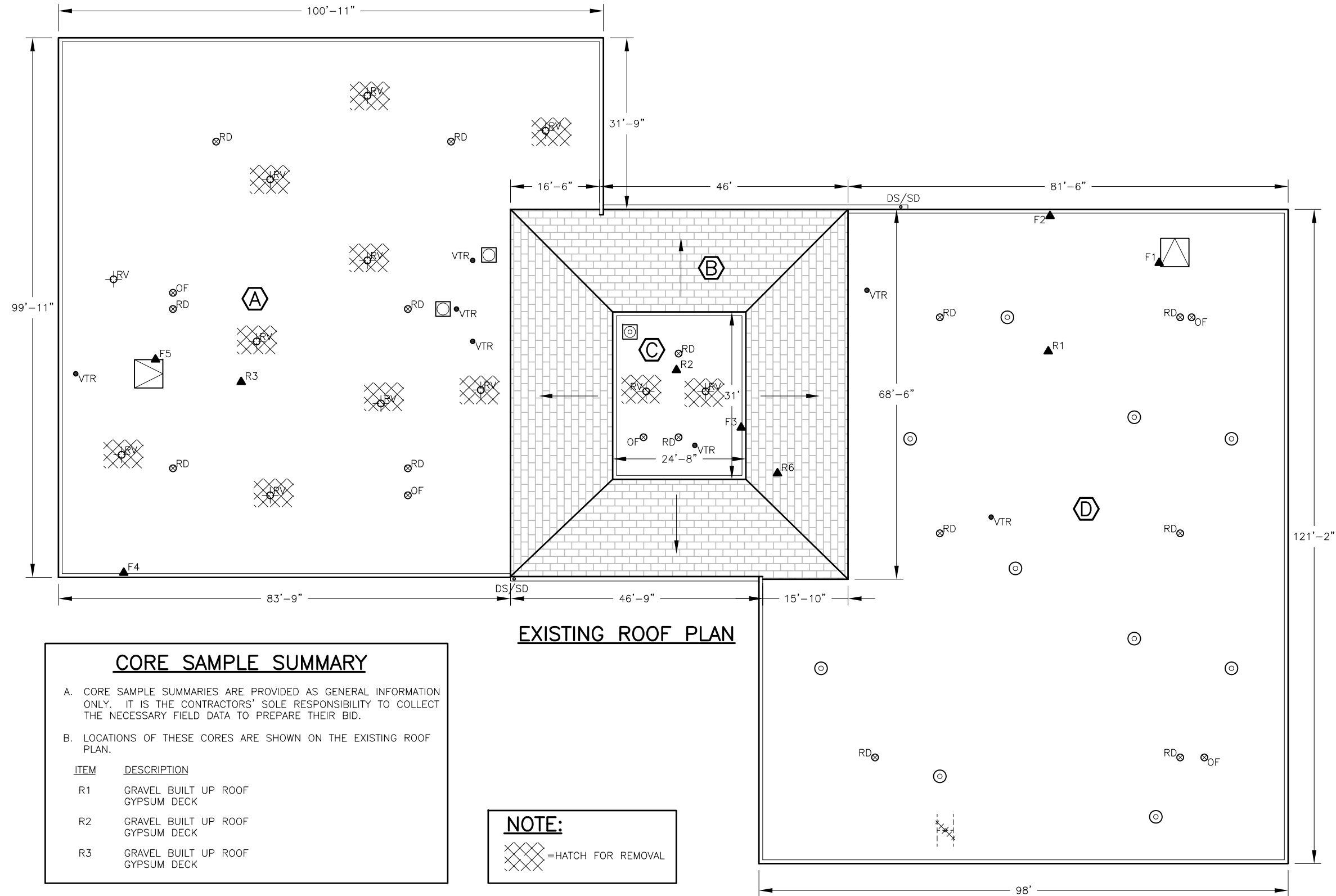
DRAWN: DAN

REVISION:

GENERAL NOTES

R102

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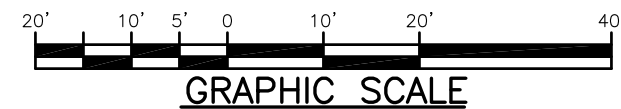
CORE SAMPLE SUMMARY

- 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
R1	GRAVEL BUILT UP ROOF GYPSUM DECK
R2	GRAVEL BUILT UP ROOF GYPSUM DECK
R3	GRAVEL BUILT UP ROOF GYPSUM DECK

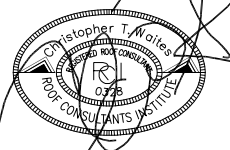
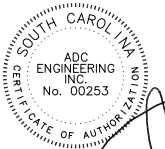
NOTE:
 = HATCH FOR REMOVAL

EXISTING ROOF PLAN



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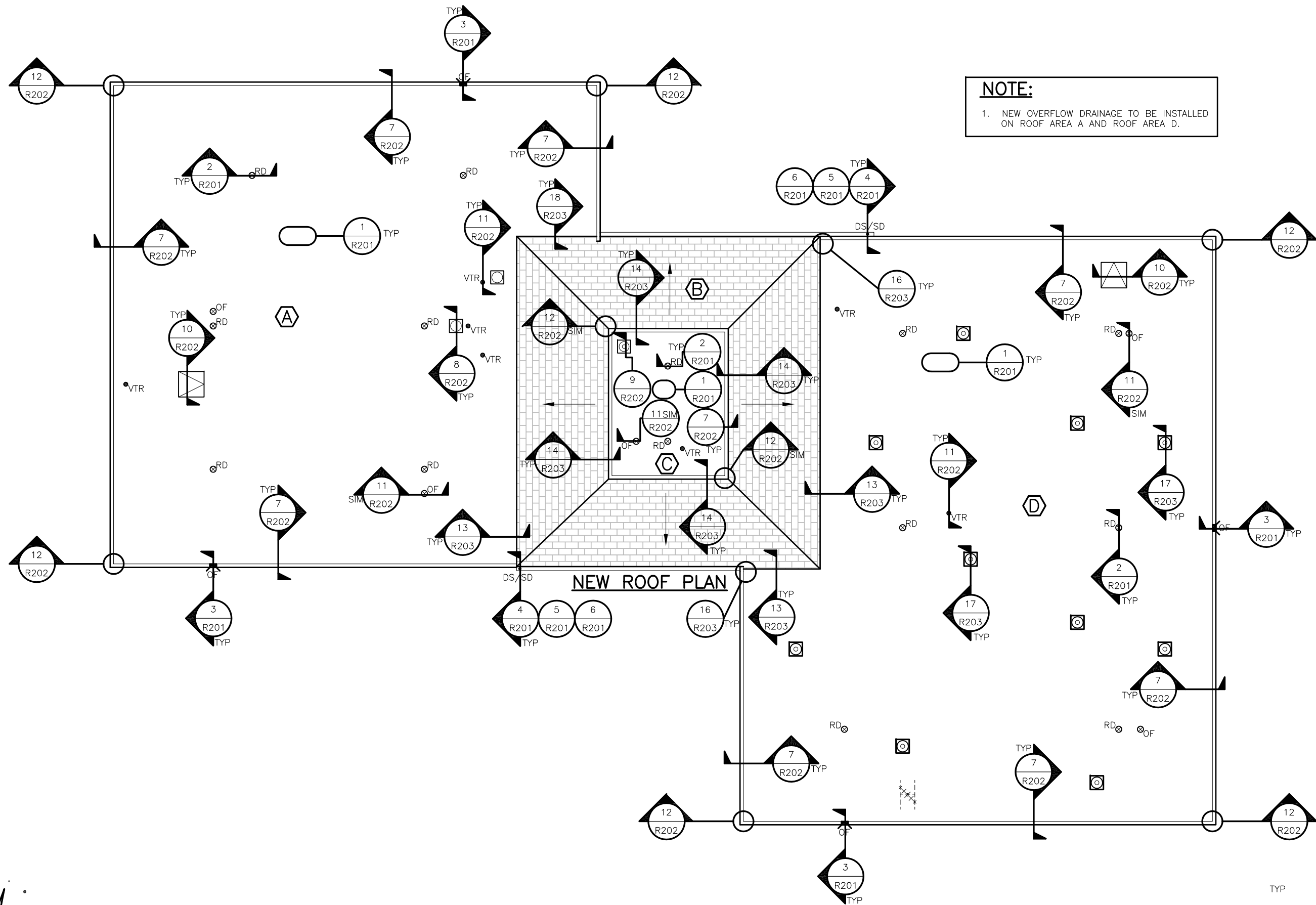
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 1226 YEAMANS HALL ROAD
 HANAHAN, SC 29410
 843-566-0161
 Fax: 843-566-0162
 ADCENGINEERING.COM

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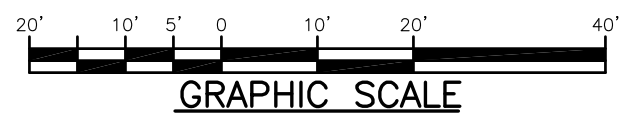
EXISTING ROOF PLAN

R103

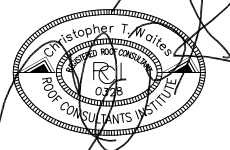
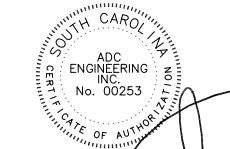
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NOTE:
1. NEW OVERFLOW DRAINAGE TO BE INSTALLED ON ROOF AREA A AND ROOF AREA D.



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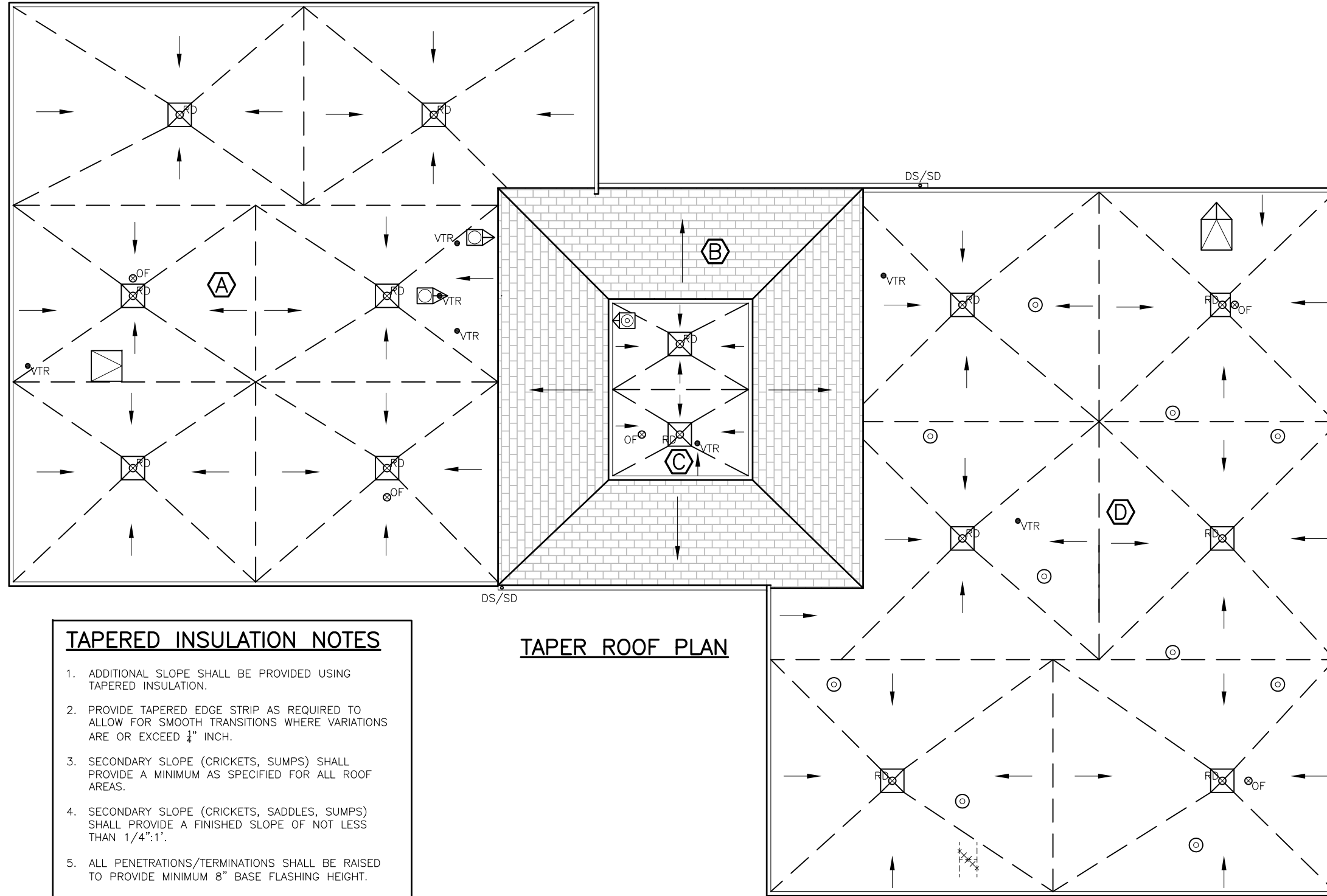
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1226 YEAMANS HALL ROAD
HANAHAN, SC 29410
843-566-0161
Fax: 843-566-0162
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DRAWN: DAN
REVISION:

NEW ROOF PLAN

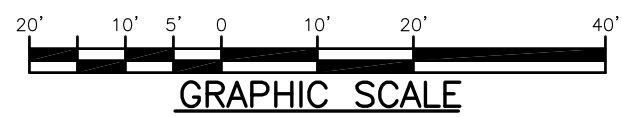
R104

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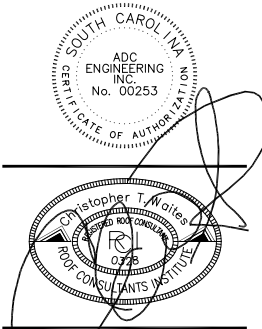


- TAPERED INSULATION NOTES**
1. ADDITIONAL SLOPE SHALL BE PROVIDED USING TAPERED INSULATION.
 2. PROVIDE TAPERED EDGE STRIP AS REQUIRED TO ALLOW FOR SMOOTH TRANSITIONS WHERE VARIATIONS ARE OR EXCEED $\frac{1}{4}$ " INCH.
 3. SECONDARY SLOPE (CRICKETS, SUMPS) SHALL PROVIDE A MINIMUM AS SPECIFIED FOR ALL ROOF AREAS.
 4. SECONDARY SLOPE (CRICKETS, SADDLES, SUMPS) SHALL PROVIDE A FINISHED SLOPE OF NOT LESS THAN 1/4":1'.
 5. ALL PENETRATIONS/TERMINATIONS SHALL BE RAISED TO PROVIDE MINIMUM 8" BASE FLASHING HEIGHT.
 6. INSULATION THICKNESSES SHALL BE COORDINATED WITH AND MATCH NAILER THICKNESSES AND ADJACENT INSULATION THICKNESSES WITHIN A 1/4" TOLERANCE IN ALL DIRECTIONS.
 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.
 8. PROVIDE A TAPERED CRICKET ON THE HIGH SIDE OF ALL NON-ROUND PENETRATIONS WIDER THAN 24".

TAPER ROOF PLAN



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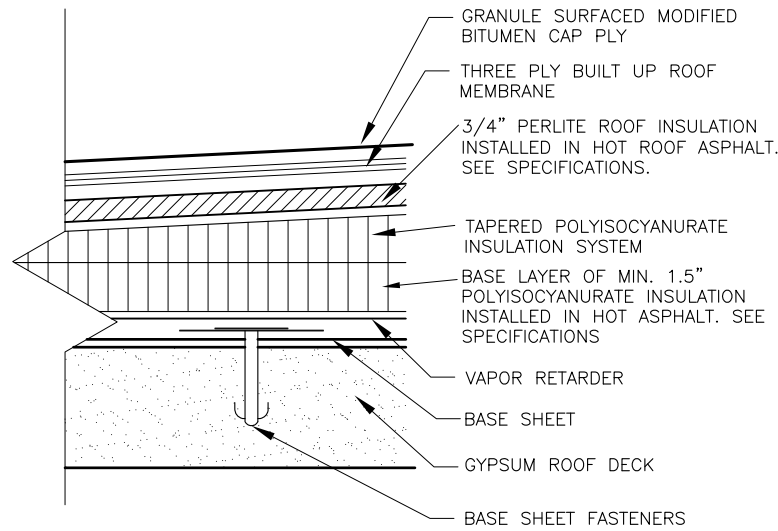


ADC
 ENGINEERING SPECIALISTS
 SITE SERVICES \ BUILDING ENVELOPE \ STRUCTURAL
 1226 YEAMANS HALL ROAD
 HANAHAN, SC 29410
 843-566-0161
 Fax: 843-566-0162
 ADCENGINEERING.COM

DATE:	1/29/31
ADC PROJECT #:	11338
DESIGNED:	CTW
CHECKED:	CTW
DRAWN:	DAN
REVISION:	

TAPER ROOF PLAN

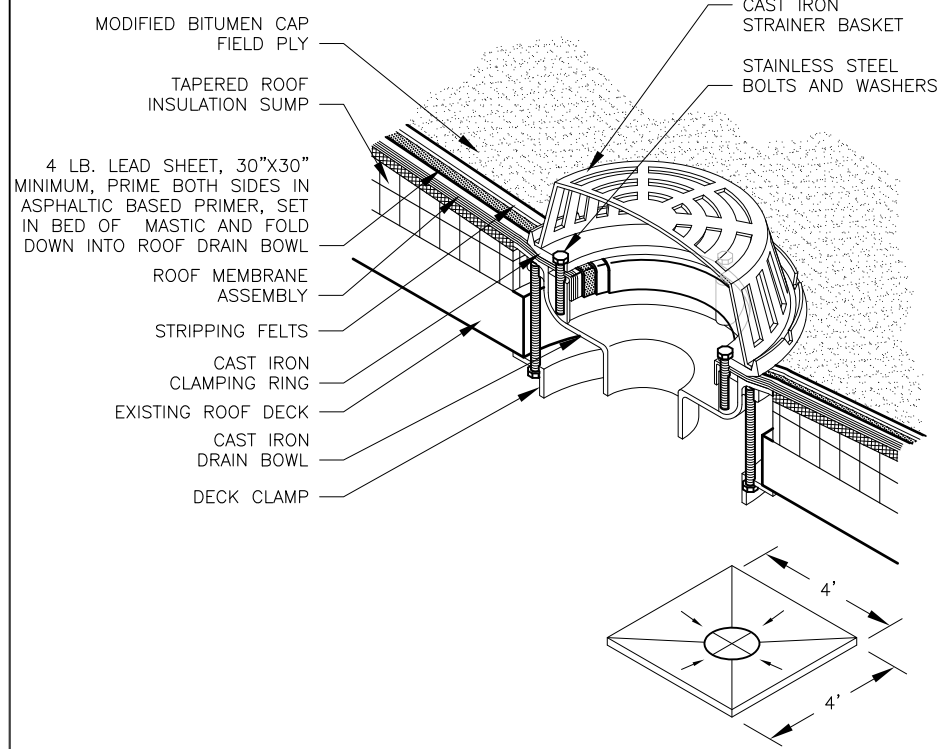
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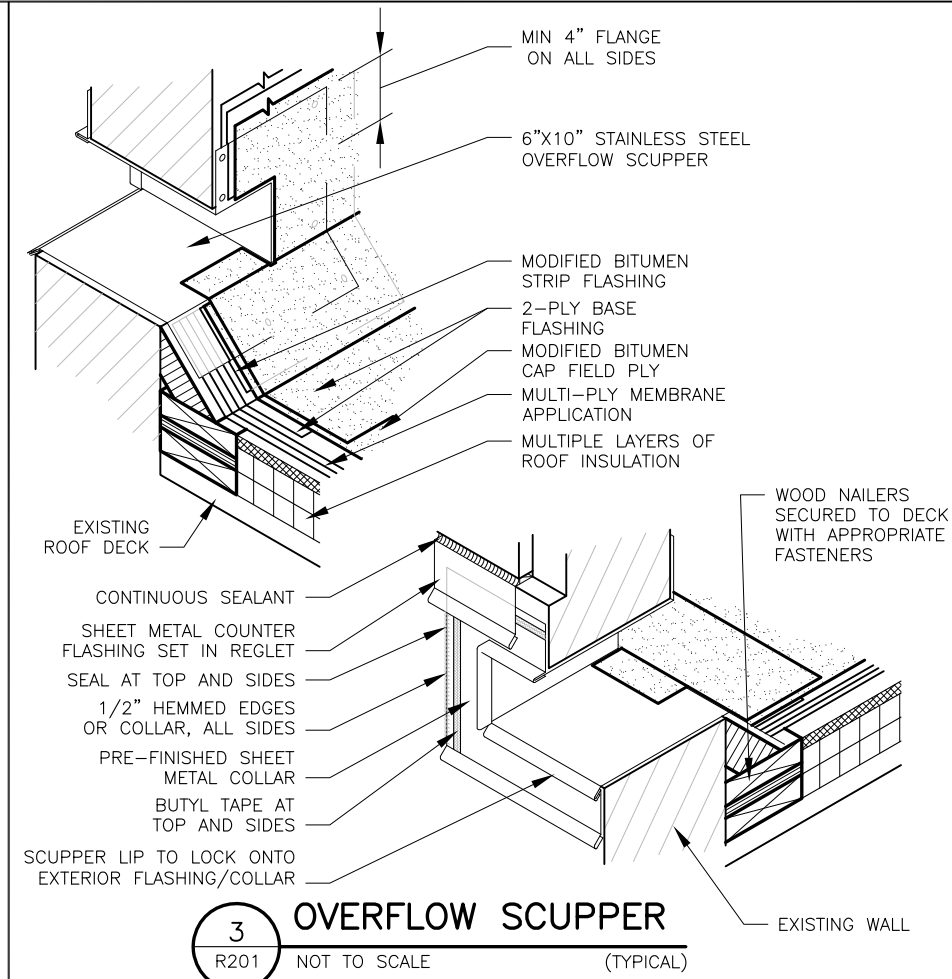
NOTES:

1. MINIMUM AVERAGE R-VALUE OF 20 IS REQUIRED TO BE PROVIDED.
2. TAPER INSULATION TO BE PROVIDED FOR SECONDARY SLOPES (I.E. SUMPS AT ROOF DRAINS, CRICKETS, ETC.). JOINTS OFFSET AND STAGGERED BETWEEN LAYERS OF INSULATION.
3. AND STAGGERED BETWEEN LAYERS OF INSULATION.
4. SIDE AND END LAPS OFFSET AND STAGGERED BETWEEN PLYS OF ROOF MEMBRANE.
5. SUPPLEMENT NAILER ANCHORAGE AS NECESSARY TO CONFORM WITH SPECIFIED REQUIREMENTS. PROVIDE NAILERS AS REQUIRED.
6. FASTENERS USED TO ATTACH TREATED WOOD PRODUCTS SHALL BE COMPATIBLE WITH THE PRODUCTS AND CONDITION OF ATTACHMENT AS SPECIFIED. SEPARATION BETWEEN SHEET METAL AND TREATED CARPENTRY IS REQUIRED AS SPECIFIED.

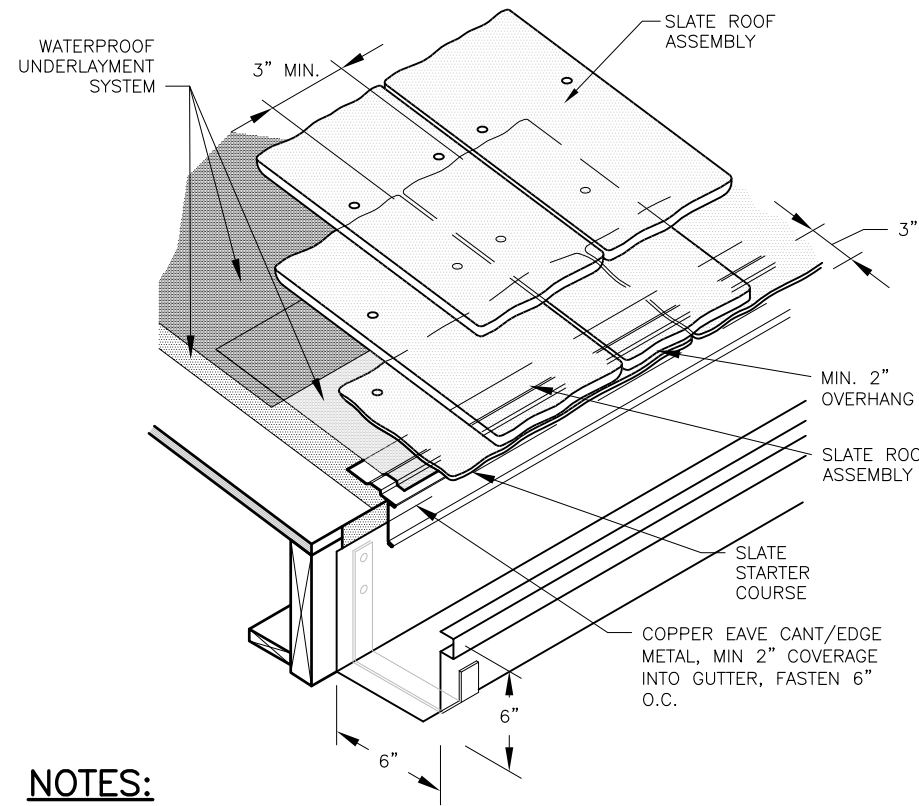
1 ROOF ASSEMBLY
R201 NOT TO SCALE (TYPICAL)



2 ROOF DRAIN
R201 NOT TO SCALE (TYPICAL)



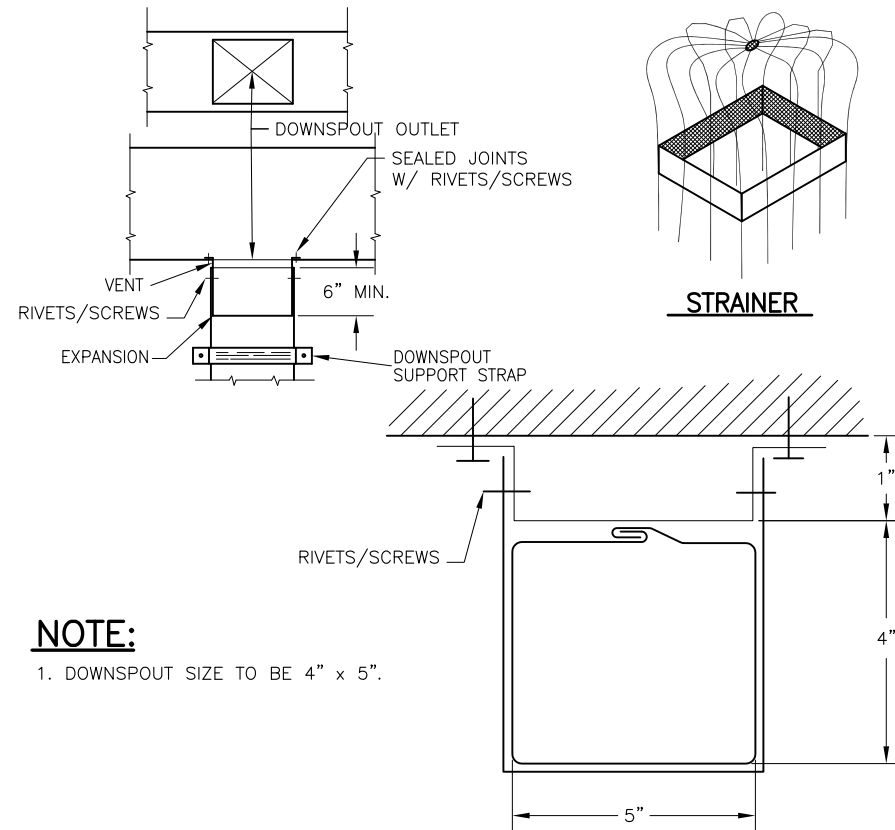
3 OVERFLOW SCUPPER
R201 NOT TO SCALE (TYPICAL)



NOTES:

1. NEW UNDERLAYMENT SHALL EXTEND UNDER EXISTING UNDERLAYMENT A MIN. OF 4"
2. DOWNSPOUT TO CONNECT TO STORM DRAINAGE.

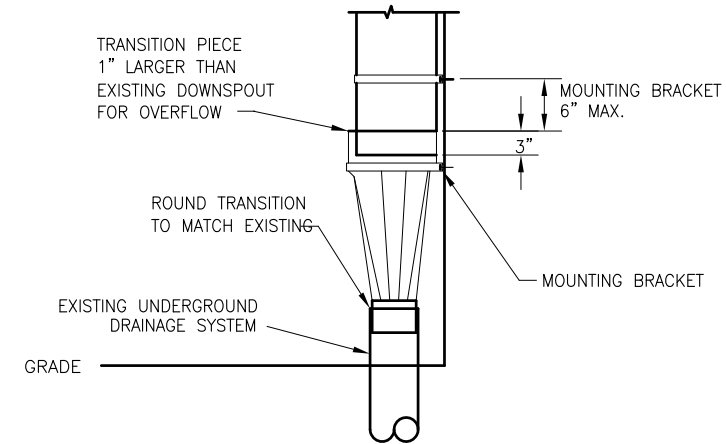
4 EAVE WITH GUTTER DETAIL
R201 NOT TO SCALE (TYPICAL)



NOTE:

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

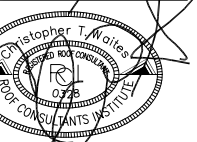
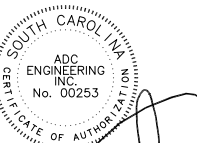
5 GUTTER DOWNSPOUT CONNECTIONS
R201 NOT TO SCALE (TYPICAL)



6 GUTTER TO STORM DRAIN
R201 NOT TO SCALE (TYPICAL)

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UPSTATE CASB ROOF REPLACEMENT

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ADC PROJECT NUMBER: 11338
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SPARTANBURG, SOUTH CAROLINA



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HANAHAN, SC 29410
843-566-0161
Fax: 843-566-0162
ADCENGINEERING.COM

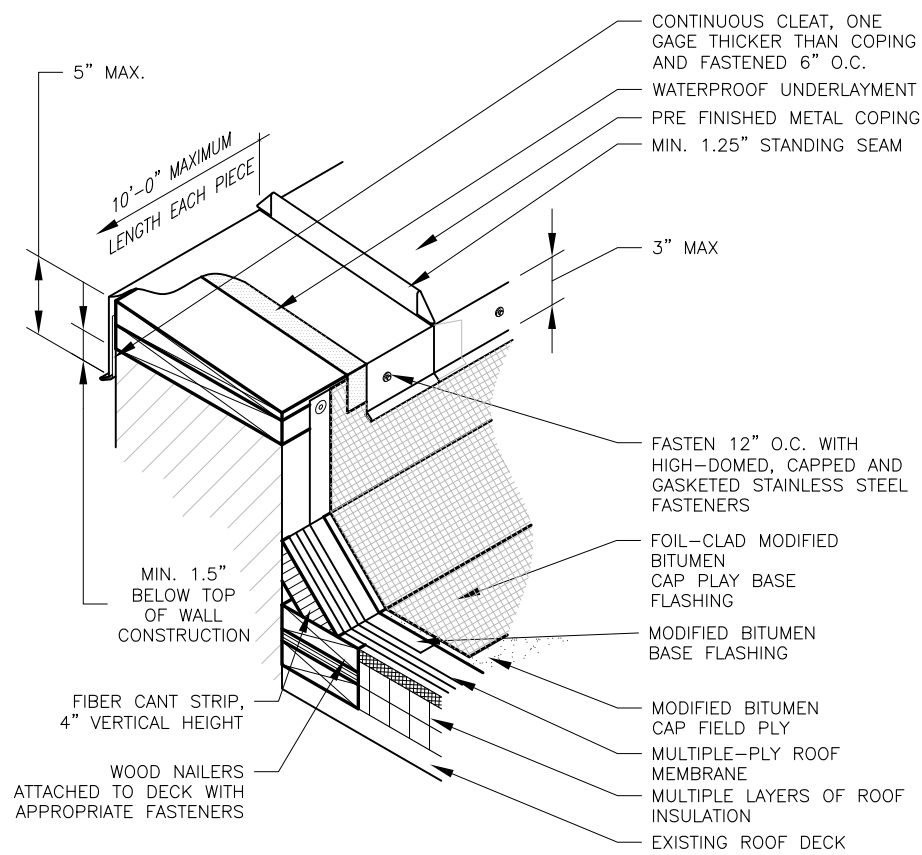
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ADC PROJECT #: 11338
DESIGNED: CTW
CHECKED: CTW
DRAWN: DAN
REVISION:

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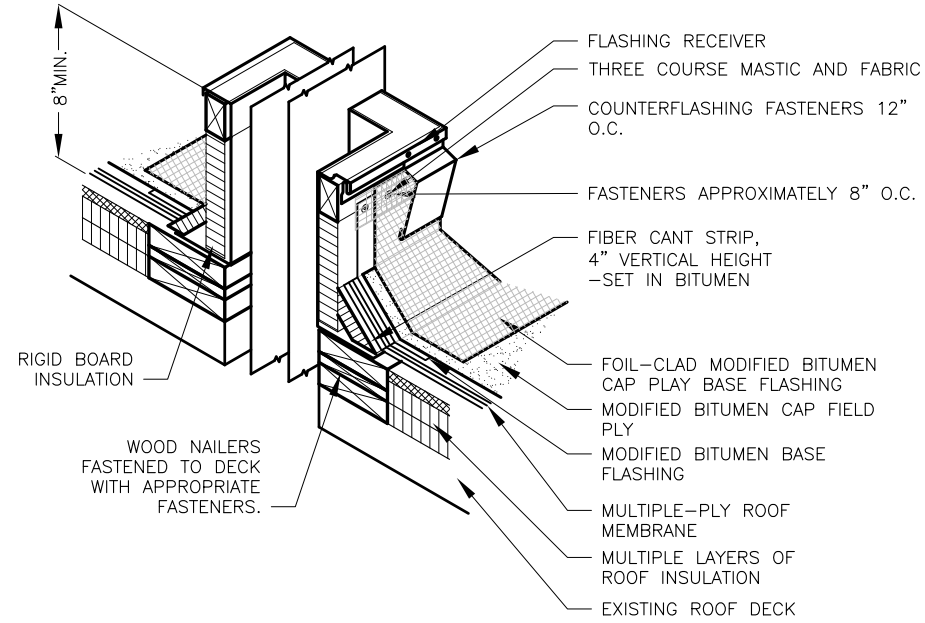
R201

SHEET 6 OF 8

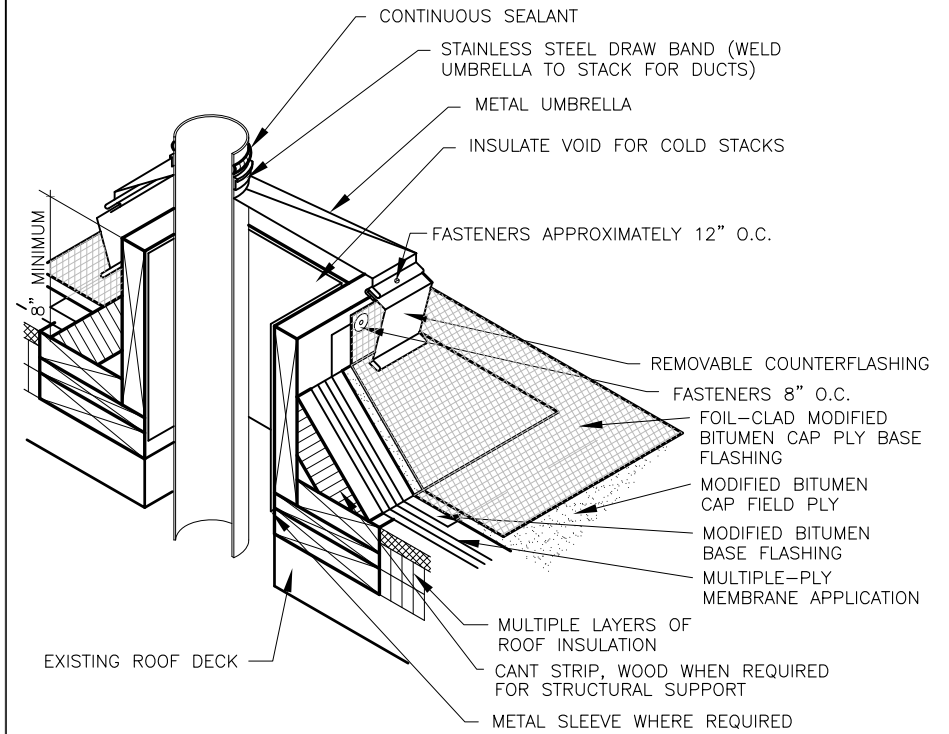
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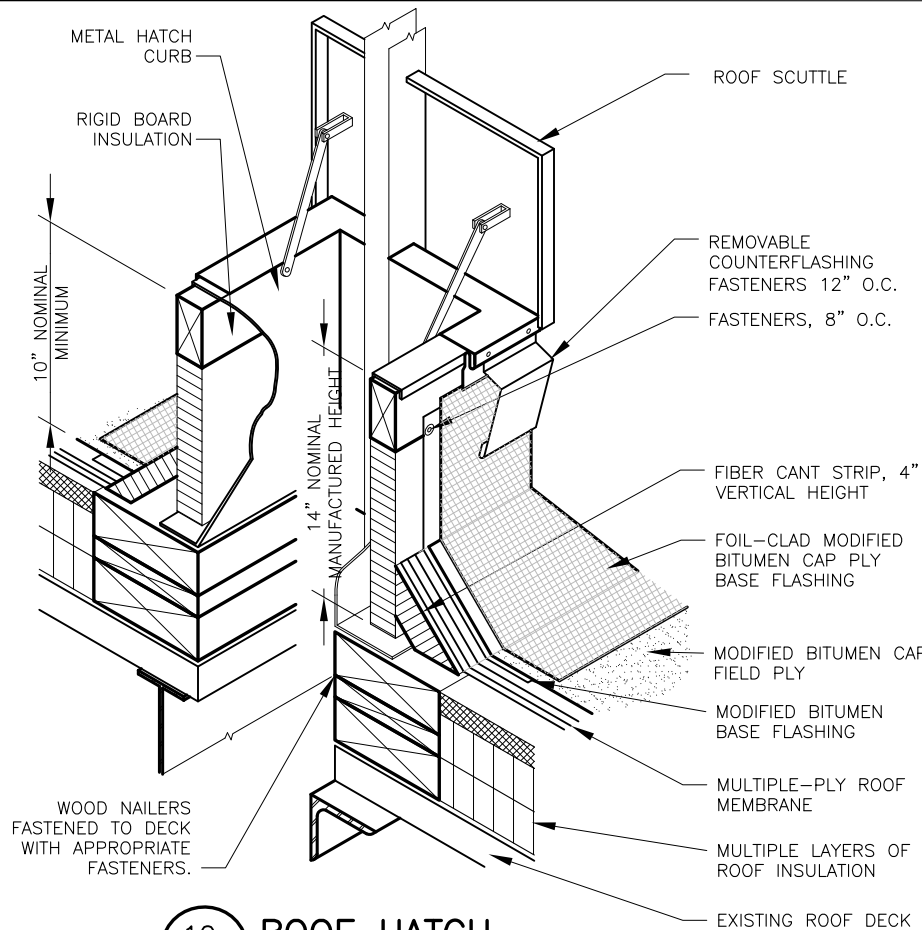
7 BASE FLASHING AT PARAPET
R202 NOT TO SCALE (TYPICAL)



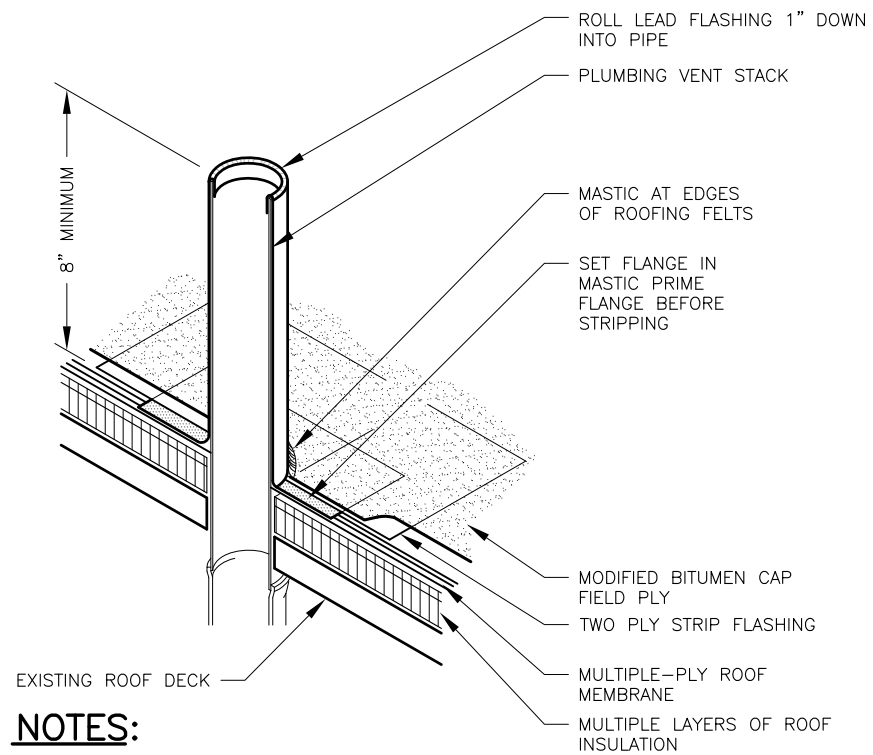
8 CURB
R202 NOT TO SCALE (TYPICAL)



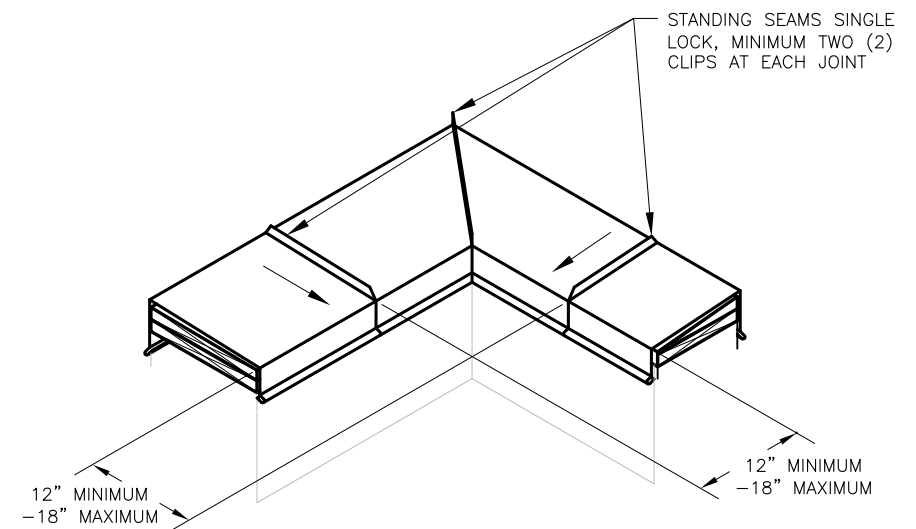
9 STACK FLASHING
R202 NOT TO SCALE (TYPICAL)



10 ROOF HATCH
R202 NOT TO SCALE (TYPICAL)

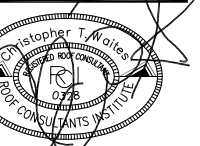
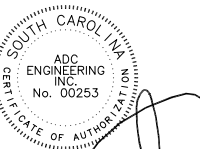


NOTES:
1. SHEET LEAD MINIMUM OF 4 LB PER SQUARE FOOT.
2. RAISE VTR USING CAST IRON PIPE AND COUPLING BELOW TO MINIMUM EIGHT INCH HEIGHT ABOVE FINISHED ROOF.
11 PLUMBING VENT FLASHING
R202 NOT TO SCALE (SIMILAR)



COPING PREFABRICATED CORNER
R202 NOT TO SCALE (TYPICAL)

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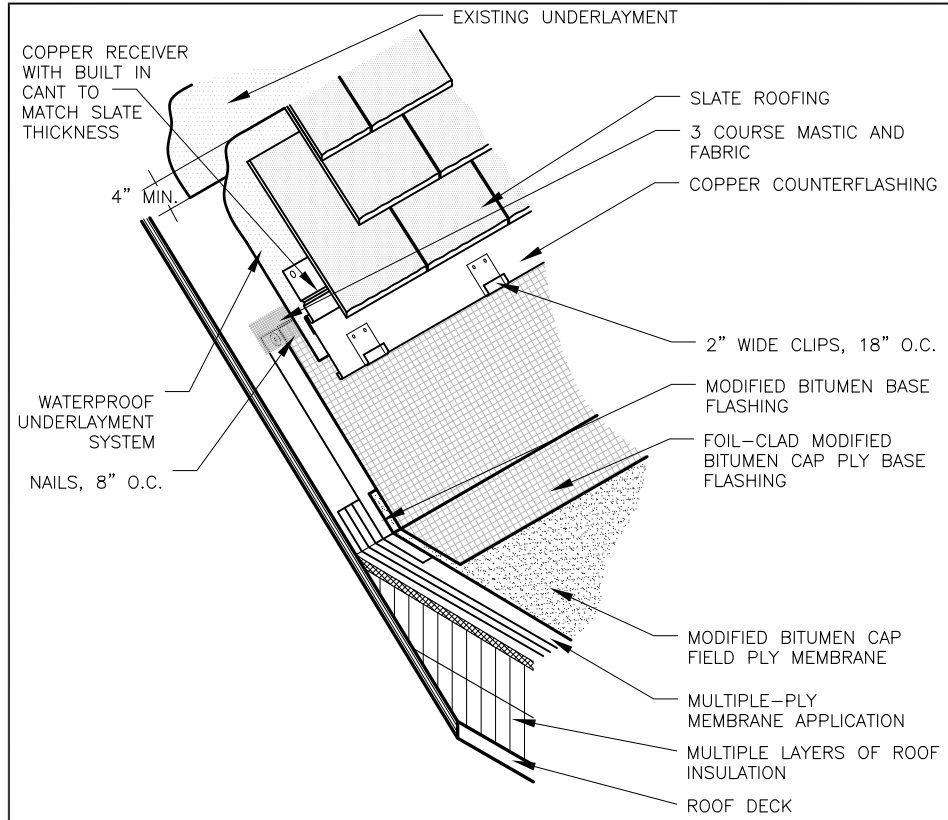
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HANAHAN, SC 29410
843-566-0161
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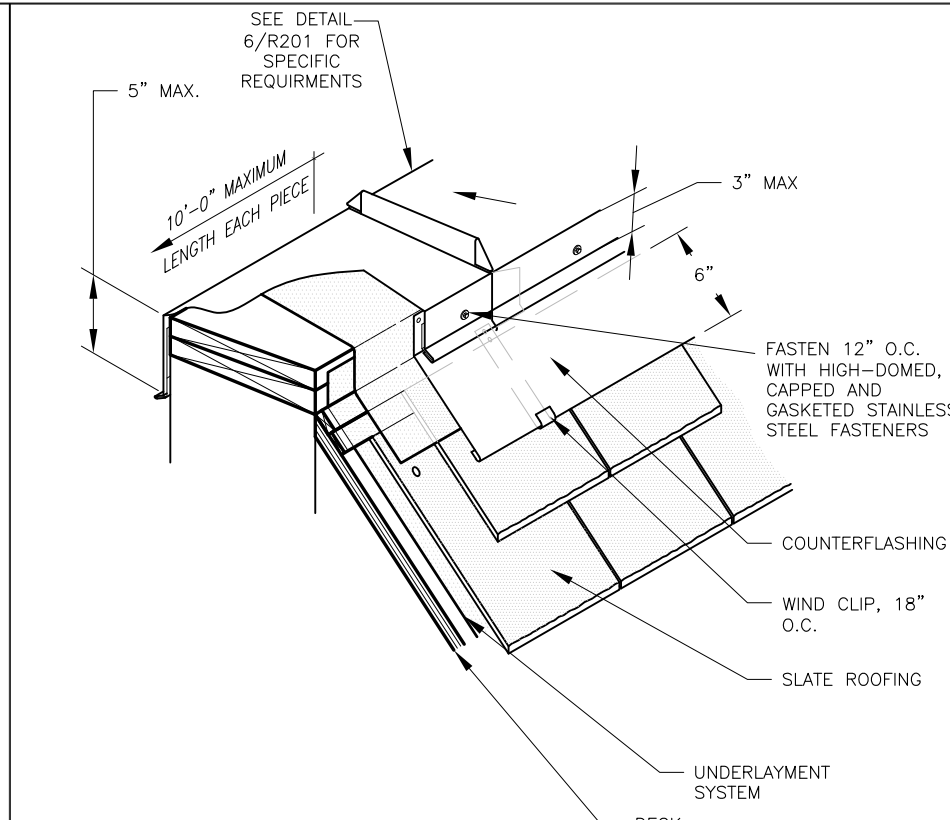
DETAILS/ SECTIONS

R202
SHEET 7 OF 8

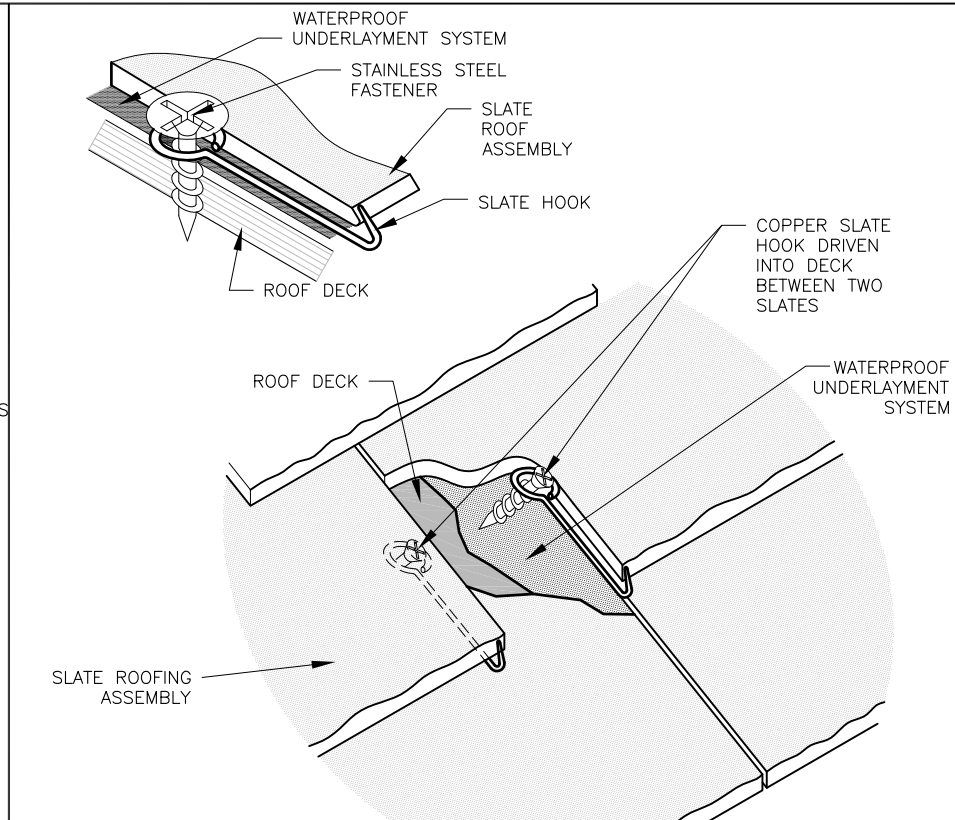
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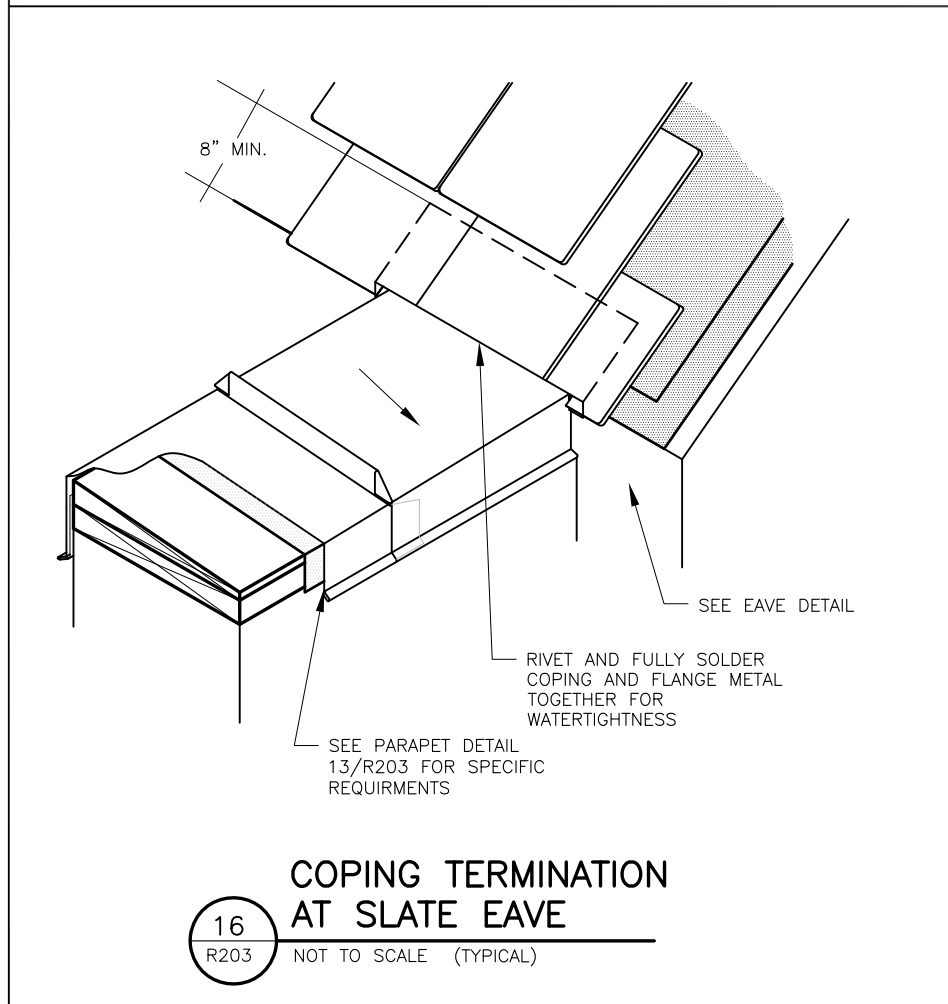
13 ROOF TERMINATION AT SLATE EAVE
R203 NOT TO SCALE (TYPICAL)



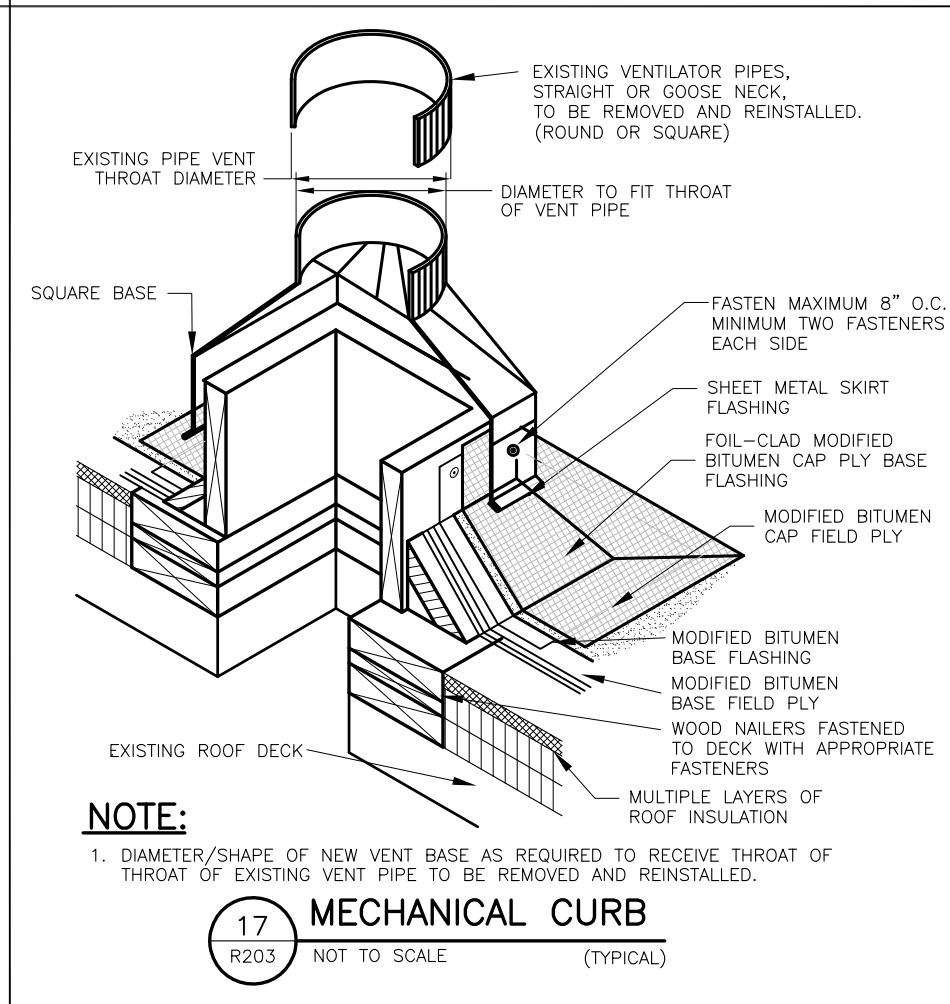
14 SLATE TERMINATION AT PARAPET
R203 NOT TO SCALE (TYPICAL)



15 SLATE HOOK DETAIL
R203 NOT TO SCALE (TYPICAL)



16 COPING TERMINATION AT SLATE EAVE
R203 NOT TO SCALE (TYPICAL)

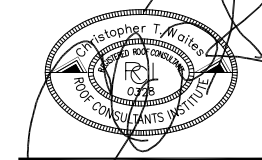
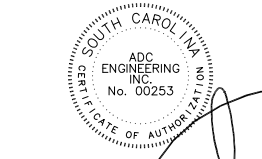


NOTE:
1. DIAMETER/SHAPE OF NEW VENT BASE AS REQUIRED TO RECEIVE THROAT OF THROAT OF EXISTING VENT PIPE TO BE REMOVED AND REINSTALLED.

17 MECHANICAL CURB
R203 NOT TO SCALE (TYPICAL)

INTENTIONALLY LEFT BLANK

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