BROOKSIDE BUILDING NO. 01, 02, & 06 ROOF REPLACEMENT LANDER UNIVERSITY

WMBE PROJECT NUMBER: 2025-232

DRAWING LEGEND OVERHANG / SOFFTT UTTER EXPANSION IOI ECTRICAL PENETRA BROOKSIDE STUDENT HOUSING SITE LOCATIONS CODE/INDUSTRY STANDARD
REFERENCES MINIMOM
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NATIONAL ASSOCIATION DRAWING SHEETS ABBREVIATIONS JOB CONTACTS

LANDER UNIVERSITY BROOKSIDE BUILDING 01, 02, & 06 ROOF REPLACEMENT

LANDER UNIVERSITY GREENWOOD, SC



217 N LIVE OAK DRIVE MONCKS CORNER, SOUTH CAROLINA EMAIL JOE@WAMBECONSULTANTS COM CHARLESTON AREA OFFICE

COLUMBIA AREA OFFICE

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COVER SHEET



DESIGNED: DANIEL ATWELL

LANDER UNIVERSITY GREENWOOD, SC

LAMINATED ARCHITECTURAL SHINGLES:

- I SCORE O'R WORK INC'LL DESCTHE COMPLETE ROOF
 REPALCEMENT OF THE ASHALT SHIVELE ROOFS.
 BROOKSING BEILL DING 1.2 No. ALL DAMAFED ROOF
 DECONG SHALL BE REPALCED PROLING TO THE REAL
 STRINGEL CHOUSEL AND ARCHITES THE AL
 SHIVILE SYSTEM BEING INSTALLED TO THE ROOF
 DECK. NEW GITTERS & DOWNSPATS SHALL BE INSTALLED AS SHOWN ON NEW ROOF PLAN DRAWING SHEETS ALL AREAS OF MISSING AND LOOSE SOFFIT SHALL BE REPLACED
- SHINGLE UNDERLAYMENT SYSTEM JAMINATED ARCHITECTURAL
 IBERGLASS-REINFORCED ASPHALT SHINGLES
- PRE-FABRICATED RIDGE VENTS
- FASTENERS
 METAL RAKE AND EAVE FLASHING AND TRIM AT PRICES TO BE INCLUDED IN BID
 TO PRICE IS A PRICE PER UNIT OF MEASUREMENT FOR
 TERIALS, EQUIPMENT, OR SERVICES, OR A PORTION OF
 E WORK.

INFORMATIONAL SUBMITTALS 5/8" CDX PLYWOOD DECK REPLACEMENT 10 SHEETS SOFFIT SYSTEM REPAIR / REPLACEMENT 200 LF

PRODUCT LITERATURE FOR COMPONENTS OF ROOFING SYSTEM, FROM ROOFING MANUFACTURER.

CONTRACTOR'S WORKMANSHIP WARRANTY

- 03 RECHILATORY REQUIREMENTS INSTALL ALL ROOFING PRODUCTS IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL BUILDING CODES
- ALL WORK SHALL BE PERFORMED IN A MANNER CONSISTENT WITH CURRENT OSHA GUIDELINES

104-WARRANTY

- PROVIDE MANUFACTURER'S LIFETIME WARRANTY.
 MANUFACTURER'S LIFETIME WARRANTY SHALL INCLUDE
 ALL MATERIALS MANUFACTURED BY THE ROOF SYSTEM
 MANUFACTURER OR LABELED WITH THE
 MANUFACTURER'S NAME
- PROVIDE ROOTHAG CONTRACTORS 1-YEAR WARRANTY PERIOD POR THE ROOT SYSTEM THE 1-YEAR WARRANTY PERIOD WILL BE FROM THE SUBSTANTIAL COMPLETION DATE THE ROOTHAG CONTRACTORS 2-YEAR WARRANTY SHALL BE SIGNED, AND WILL RECLIDE ALL COMPONENTS OF THE ROOTHAG SYSTEM FOR THE WARRANTY PERIOD

- CONTRACTOR SHALL BE APPROVED BY THE RODFINI SYSTEM MANUFACTURER TO INSTALL THE MANUFACTURES SRODMCT AND THAT IS ELIGIBLE TO RECEIVE THE SPECIFIED MANUFACTURER'S WARRANTY
- A COPY OF THE LATEST MANUFACTURER'S PRODUCT DATA AND INSTALLATION GUIDE SHALL BE KEPT ON THE ROOF AT ALL TIMES DURING INSTALLATION

HIP AND RIDGE SHINGLES. USE THE MANUFACTURER'S FACTORY FABRICATED HIP AND RIDGE PIECES AS RECOMMENDED BY THE ROOF SYSTEM MANUFACTURER

- 201 QUALITY ASSURANCE

GAF TIMBERLINE HD / HDZ WEATHERED WOOD HD IN COLOR

- -LAMINATED ARCHITECTURAL SHINGLE ROOF DESCRIPTION

- CLEAN AND SMOOTH DECK SHAY, STRUCTURALLY SAUND,
 CLEAN AND SMOOTH DECK SHALL BE REED OF ANY
 DEPRESSIONS, WAYES, AND PRODETTIONS COVER ALL
 HOLES I DRIVER ALE SEN DIAMERTER, CAVES OWER, LIA
 SHEET MEATAL DECKISION DECKES TO THE SHEW AND
 SHEET MEATAL DECKISION DECKES TO THE SHEW
 SHEET MEATAL DECKISION DECKES
 S ENSURE SUBSTRATE HAS BEEN PROPERLY PREPARED PRIOR TO INSTALLATION OF ROUTEN MATERIALS DO NOT PROFED THE INSTALLATION INTIL ALL CONDITIONS AFFECTING PROPER INSTALLATION HATE BEEN CORRECTED BEEN CORRECTED.

40S PROTECTION AND CLEANING

NSTALL RIDGE VENTS IN STRICT ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS AND TO PROVIDE PROPER VENTING AND A WATERTIGHT DETAIL INSTALL MANUFACTURER'S PREFABRICATED RIDGE AND HIP CAPS IN STRICT ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTRUCTIONS AND TO PROVIDE PROPER VENTING AND A WATERTIGHT DETAIL

- IOVE EXISTING WALL AND TRIM MATERIALS AS
 ESSARY TO INSTALL UNDERLAYMENT AND FLASHING
 FERIALS PROFERLY REINSTALL MATERIALS REMOVED
 IN COMPLETION OF WORK.
- CLEAN AND REMOVE FROM SUBSTRATE, DUST, DEBRIS, MOISTURE, AND OTHER SUBSTRANCES DETRIMENTAL TO ROOFING INSTALLATION

4.03 UNDERLAYMENT AND EDGE METAL INSTALLATION

ONSELENTAL PROGRAMME DESCRIPTIONS OF ONSELENTAL PROGRAMME OF THE PROGRAMME

TO ADHERE TO THE SPECIFIED REQUIREMENTS.

- STARTER SHIVGLES. USE THE MANUFACTURER'S FACTORY FABRICATED STARTER SHIVGLES, AS RECOMMENDED BY THE ROOF SYSTEM MANUFACTURER TO ADHERE TO THE SPECIFIED REQUIREMENTS.
- SHINGLE UNDERLAYMENT: NON-PERFORATED. SYNTHETIC ROOF UNDERLAYMENT MEETING ASTM D 226 TYPE II
- FEATERES HOT DE OLAVANZED CORPLYNO WITH ASTM FIRST, MINIMAN ITSAULES, ORBE NOTS HANK WITH ASTM FIRST, MINIMAN IN THE ASTM FIRST, MINIMAN IN THE OFFICE HEAD. FANTENER SHALL BE OF SUFFICIENT LIBEOTH TO ENERTRANE ANAMAN OF PARTICIPATE OR POLICY ANAMAN OF PRODUCTION OF PRODUCTION AND ANAMAN OF PRODUCTION OF ANAMAN OF PRODUCTION OF ANAMAN OF PRODUCTION OF ANAMAN OF PRODUCTION OF THE ORDER ORDER OF THE ORDER ORDER OF THE ORDER ORDER
- SEL-ADERSKAI WATERRAYEN ZH NOBEL AYMENT
 SEL-ADHERICA LOOPED BIT INEN HOPELLA VINENT
 MERTINA JASTIN DI 1970 AND TO BE INSTALLED
 COMTRIGUOSLY AT LALL BALES A LEWS ALLEYS, HIPS
 MIDDES AND ANOLOD ALL BACKS E AND SENTRATIONS AND
 TEMMANTIONS SELT-ADHERION A DORFED BIT TIMES
 CONTREALANDERY E ALSO REQUIRED TO BE INSTALLED
 CONTRIGUAL TO BE A SENTRALED
 CONTRIBUTION OF THE S ASPHALT ROOF CENENT: ASTM D 4586, ASBESTOS FREE, COMPATBLE WITH ROOFING STYTEM AND ASSOCIATED COMPANENTS. SIZE OF FIELD PAST TIPERES SHALL BE 1-12" IN LENGTH. SIZE OF RIDGE CAP FAST ENERS SHALL BE:
 1-12" IN LENGTH.
- PLUMBING VENT FLASHINGS. LEAD, MINIMUM 4 LB., SIZES TO MATCH PIPE SIZES, PAINTED TO MATCH ROOFING COLOR.

401 - INSTALLATION, GENERAL

- WRITTEN INSTRUCTIONS
- NSTALL ROOFING ACCIDENCE TO ROOFING SYSTEM MANUFACTURERS WRITTEN DATRICUTIONS AND APPLICABLE RECOMMERDIATIONS IN ARMANISCAS SALUTY CONTROL GUIDELINES POR THE APPLICATION OF FOLYMER MODIFIED BITLMEN MODIFIED.
- TEMPORARY PROTECTION TO BE PROVIDED IN ALL AREAS WHERE COMPLETE DETAIL IS NOT COMPLETED DAILY. ALL TEMPORARY PROTECTION TO BE WATERTIGHT.

- 4.02 SUBSTRATE PREPARATION EXAMINE DECK AND OTHER SUBSTRATES FOR COMPLIANCE WITH REQUIREMENTS AFFECTING PERFORMANCE OF ROOFING SYSTEM.

 - THE WATER STATEMENT OF THE WATER OF THE WATE

 - INSTALL SHINGLES AT VALLEYS, EAVES, RAKES, HIPS AND RIDGES IN ACCORDANCE WITH THE SHINGLE MANUFACTURER'S INSTALLATION INSTRUCTIONS
- CLOSED-CUT AND OPEN VALLEYS: COMPLY WITH NRCA AND ARMA RECOMMENDATIONS.
- ALLIC-COATED STEEL SHEET: PROVIDE MINIMAZING ALLOY-COATED STEEL SHEET SH
- SURFACE SMOOTH FLAT AND WITH MANUFACTURER'S STANDARD CLEAR ACRYLIC COATING ON BOTH SIDES

- THEN THE THE STATE AND STATE OF THE STATE OF
- CONCEALED FRISH PRETREAT WITH
 ANAUFACHDERS STANDARD WHITE OR
 LIGHT-OLORED AND CO. REVIEWER RANGE OF
 FRISH, CONSISTING OF PRINC COAT AND WASH COAT
 WITH MINIMAN TOTAL DRY FILM THICKNESS OF 0.5
 MILL
- STAINLESS-STEEL SHEET. ASTM A 240/A 240/M OR ASTM A 666, TYPE 104, DEAD SOFT, FULLY ANNEALED, WITH SMCOTH, FLAT SURFACE. MINIMUM THICKNESS 14 GAUGE

CLEAN GROUNDS FREE OF ALL NAILS, SHEET METAL, SHINGLES AND OTHER SHINGLE ACCESSORIES EACH DAY PROTECT THE ROOFING SYSTEM FROM DAMAGE AND WEAR DURING THE COURSE OF CONSTRUCTION

- THERMAL STABILITY ASTM D 1970, STABLE AFTER TESTING AT 240 DEG F OR HIGHER.
- LOW-TEMPERATURE FLEXIBILITY: ASTM D 1970 PASSES AFTER TESTING AT MINUS 20 DEG F OR LOWER

SPECIFICATIONS DATE 10-10-2025 DESIGN DEVELOPMENT PROJECT NUMBER: 2025-232

MANUFACTURER

SPECIFICATION NOTES:

1.03 - MISCELLANEOUS MATERIALS

DESIGNED: DANIEL ATWELL

A GRESKA. SBEET METAL ILASHON AND THA ASSIMILIES SHALL WHITE THE METAL THE M

GIOSSEAL CUSTONE JABENATE SIEET METAL FLASHING AND TRAN TO CAMPE'S WITH DETALES SHOWN AND RECOMMENDATION HIS CITED SEED METALE STANDIAD THAT WHY! YO DESIGN DIMENSIONS, MEDIAETRY METAL THENASSES, AND OTHER CHARACTERISTICS OF THAN REQUIRED THANKATES SHEET METAL FLASHING AND TRAN IN SHOP TO GREATES EXTRIFT WORSELE.

C METAL MER EGGE SHALL BE INSTALLED ON ALL KOOF
LOOSE SHALL ALE HERDE ON AN ASSESSE WITH
RESEARCH OF THE SHALL BE INSTALLED ON A PARSE WITH
RESEARCH ON THE INSTALLED WITH IN THE SHALL ON THE SH

4.04 LAMINATED ARCHITECTURAL INSTALLATION

- NSTALL ROUBING SYSTEM IN ACCORDANCE WITH ROUBING SYSTEM MANUE, ACTURERS WRITTEN HISTRUCTIONS, WITH YRCA, AND ARMA PRINTED RECOMMENDATIONS AND THE REQUIREMENTS IN THIS SECTION.
- COORDINATE INSTALLING ROOFING SYSTEM SO THAT THE COMMONENTS OF THE ROOFING SYSTEM SYSTEM ARE WITE EXPONED OR SUBJECTED TO PRECIPITATION/INCLEMENT WEATHER OR LEFT UNCOVERED AT THE END OF THE WORKDAY.

GENERAL: PROTECT MECHANICAL AND OTHER FINISHES ON EXPOSED SURFACES FROM DAMAGE BY APPLYING STRIPPABLE, TEMPORARY PROTECTIVE FILM BEFORE SHIPPING METAL EDGE FLASHING PREFINISHED. MINIMOM 440 ALUMINUM OR 21 GAGE GAL VANIZED STEEL, PRE-FORMED METAL EDGE DIE PLASHING, COLOR SELECTED BY THE OWNER, MINIMOM 4 INCH FLANGE AND 2 INCH FACE

- INSTALL STARTER COURSE AT ROOF EAVE AND ALONG RAKE WITH BOJE OF SHINGLES EXTENDING 1/4 IN OVER EDGE OF ROOF SEALANT STRIP SHOULD BE CLOSEST TO ROOF EDGE
- INSTALL PRET AND SIXZESSIVE COURSES OF SHRYGLES STEPPING DIACONALLY IT 9-400 KPK USS BOOF BECK WITH MANDACTURERS RECOMMENDED DESPET AT EACH SIXZEDEDING COURSE. MANTAIN UNIPORM EXPOSURE OF SINGLES AT EACH SUCCESSING COURSE. MANTAIN UNIPORM EXPOSURE OF CHARLE AND EACH OFFER COURSE TO ENSURE STRAIGHT OF THE STRAIGHT.
- FASTEN SHINGLES TO DECK WITH A MINIAUM OF 6
 FASTENERS PER SHINGLE FASTEN SHINGLES IN
 ACCONDOAN'E WITH THE SHINGLE MANUFACTIBERS
 INSTALLATION INSTRUCTIONS AND SO THAT ALL LAYERS
 ARE SECURED
- - TWO-DAY FLUGROCHARE, AAM, 601
 FLUGROCHARE RESEL VAN 1601
 FLUGROCHARE RESEL
 - ALIAMANI SHEEF, ASTA B 199, ALLOY AS STANDARD WITH MANI FACTI BEEF FOR ETNISH BEQUIRED, WITH TEMPER AS REQUIRED. TO SHIT FORMING OPERATIONS AND PERCORMANCE BEQUIRED. WITH SMOOTH, FLAT SURFACE MINIMUM THICKNESS OWN INCHES

CLEAN EXPOSED METAL SURFACES OF SUBSTANCES THAT INTERFERE WITH UNIFORM OXID ATION AND WEATHERING

- - COUNTERFLASHING: INSTALL COUNTERFLASHING UMBRELL)
 WITH CLOSE-FITTING COLLAR WITH TOP EDGE FLARED FOR
 ELASTOMERIC SEALANT

SEAMS FABRICATE NONMOVING SEAMS WITH FLAT-LOCK
WEAMS FORM SEAMS AND SEAL WITH ELASTONERIC SEALANT
INJURISS OTHERWISS RECOMMERNED BY SEALANT
MANIFACTURES FOR INTENDED USE RIVET IOINTS WHERE
NECESSARY FOR STRENOTH

CONCEAL FASTENERS AND EXPANSION PROVISIONS WHERE POSSIBLE DO NOT USE EXPOSED FASTENERS ON FACES EXPOSED TO VIEW. FIRM SHEET METAL FLASHING AND TRAN TO FIT SUBSTRACTS WHOUT EXCESSIVE OIL BUCKLING AND WHITE STOLENE LEVELS, AUD SUCHES, AUD WITH EXPOSED EXCES POLDED BACK TO FRAM HEMS

LANDER UNIVERSITY BROOKSIDE BUILDING 1, 2, & 6 ROOF REPLACEMENT

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