LEE'S SUMMIT SCHOOL DISTRICT

2025-2026 ROOF REPLACEMENT PROJECT 502 SE TRANSPORT DRIVE LEE'S SUMMIT, MO 64063

LEE'S SUMMIT HIGH SCHOOL (BUILDINGS D AND E) BUILDING D SECTION A

BUILDING E SECTION A 400 SOUTHWEST BLUE PARKWAY LEE'S SUMMIT, MO 64063





SHEET INDEX

R0.01	TITLE SHEET
R0.02	SUMMARY OF WORK

ROOF PLAN

DESIGN DATA AND ATTACHMENT PLAN

ATTACHMENT DETAILS R2.01

SHEET METAL SCHEDULE AND DETAILS R2.02

R2.03 **DETAILS DETAILS** R2.04

TRIC

24LSSLESUR013B

AERIAL IMAGE
SCALE: NONE

1.01 GENERAL

- A. THIS SUMMARY OF WORK IS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHALL NOT BE CONSTRUED AS A COMPLETE ACCOUNTING OF ALL WORK TO BE PERFORMED.
- THE EXTENT OF THE SCOPE OF WORK IS INDICATED ON THE DRAWINGS AND BY THE REQUIREMENTS OF EACH SECTION OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL EXAMINE THE SITE AND SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONSTRUCTION AND CONDITIONS. REFER TO DIVISION 00 REQUIREMENTS.

1.02 QUALITY ASSURANCE BY ROOF SYSTEM MANUFACTURER

- MEMBRANE MANUFACTURER'S TECHNICAL REPRESENTATIVE, WHO SHALL BE A FULL-TIME EMPLOYEE OF THE MEMBRANE MANUFACTURER, SHALL PROVIDE ON-SITE TRAINING AND QUALITY ASSURANCE IN CONJUNCTION WITH THE BEGINNING OF MEMBRANE INSTALLATION. THE MANUFACTURER'S TECHNICAL REPRESENTATIVE SHALL THEN VISIT THE SITE TO PROVIDE QUALITY ASSURANCE AND FOLLOW-UP TRAINING A MINIMUM OF EVERY THREE WEEKS
- THE MANUFACTURER'S TECHNICAL REPRESENTATIVE SHALL COORDINATE ALL SITE VISITS WITH THE CONTRACTOR AND OWNER'S REPRESENTATIVE A MINIMUM OF THREE BUSINESS DAYS IN ADVANCE.
- DURING EACH VISIT, THE MANUFACTURER'S TECHNICAL REPRESENTATIVE SHALL CHECK ALL WORK INSTALLED SINCE THE LAST VISIT, MARK ALL DEFECTS FOR REPAIR, AND PROVIDE A WRITTEN SITE VISITATION REPORT LISTING ANY DEFICIENT WORK REQUIRING CORRECTION BY THE CONTRACTOR.
- ALL REPORTS AND OTHER CORRESPONDENCE ASSOCIATED WITH THE SITE VISIT SHALL BE PROVIDED TO THE CONTRACTOR AND THE CONTRACTOR SHALL PROVIDE THESE REPORTS TO THE CONSULTANT WITHIN THREE BUSINESS DAYS OF THE VISIT.

1.03 LICENSING, PERMITTING AND ASSOCIATED SERVICES

- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL AUTHORITIES HAVING JURISDICTION (AHJ) AND FULFILLING ALL PROJECT-RELATED LICENSING AND PERMITTING REQUIREMENTS DEFINED BY RELATED ORDINANCES. ALL BID PRICING SHALL INCLUDE ALL APPLICABLE SERVICE FEES, PERMITTING FEES AND OTHER COSTS TO PROVIDE TURN-KEY AWARD AND DELIVERY OF THE PROJECT.
- COMPLY WITH ALL THE LICENSING REGULATIONS APPLICABLE TO THE CONTRACTOR AND ALL SUBCONTRACTORS.
- PROVIDE ALL ADMINISTRATIVE PROCESSES AND SUPPORT SERVICES NECESSARY TO COMPLY WITH AHJ REQUIREMENTS FOR PERMIT APPLICATION(S), DOCUMENT REVIEW(S), AND ISSUANCE AND CLOSEOUT OF PERMIT(S); INCLUDING BUT NOT LIMITED TO ENGINEERING SERVICES, ENGINEERING STAMPS AND SEALS, REVIEW COMMENT RESOLUTION, AND THIRD-PARTY INSPECTION(S) NOT FURNISHED BY THE OWNER,
- PROCURE, MANAGE AND EXECUTE ALL PERMITS AS REQUIRED BY THE AHJ, INCLUDING COORDINATION OF ASSOCIATED PROCESSES AND SERVICES WITH THE OWNER, OWNER'S CONSULTANTS AND REPRESENTATIVES OF THE AHJ.
- B. THE SCHEDULE-RELATED INFORMATION PROPOSED ON THE BID FORM SHALL BE ACCURATE AND ACHIEVABLE, INCLUDING AMPLE TIME ALLOWANCES FOR PERMIT PROCUREMENT AND REQUIRED ENGINEERING, REVIEWS, REVIEW COMMENT RESOLUTION, FINAL APPROVAL, AND ADMINISTRATIVE. CONTRACTOR IS RESPONSIBLE FOR PERMIT EXPEDITOR SERVICES AT NO ADDITIONAL COST TO THE OWNER, IF NECESSARY TO MAINTAIN THE PROJECT START DATE REFERENCED IN THE CONTRACT AGREEMENT. PERMIT PROCUREMENT DELAYS SHALL NOT BE CONSIDERED EXCUSABLE UNDER THE TERMS OF THE CONTRACT, UNLESS THE DELAYS RESULT FROM UNFORESEEABLE CAUSES.
- C. IF THE AHJ REQUIRES LICENSING, PROVIDE SCANNED IMAGES OF ALL APPLICABLE CONTRACTOR AND SUBCONTRACTOR LICENSES WITH THE PRECONSTRUCTION SUBMITTALS. IF THE AHJ DOES NOT REQUIRE LICENSING FOR THE CONTRACTOR AND/OR SPECIFIC EXEMPT TRADES, PROVIDE A LETTER OF EXPLANATION WITH THE PRECONSTRUCTION SUBMITTALS.
- D. DURING THE PRECONSTRUCTION SUBMITTAL PROCESS, INCLUDE SCANNED IMAGES FOR ALL PERMITS AND BACKUP DOCUMENTATION. SUBMITTAL TO INCLUDE INSTRUCTIONS, REVIEWS AND APPROVALS BY THE AHJ; ALL CORRESPONDENCE BETWEEN CONTRACTOR AND AHJ INCLUDING DELIVERABLES AND/OR COMMENTS BY CONTRACTOR'S SERVICE PROVIDER(S); AND ANY OTHER DOCUMENTATION SPECIFICALLY REFERENCING THE ROOF DESIGNER AND/OR BENCHMARK, INC.
- E. UPON COMPLETION OF WORK, COORDINATE AND COMPLETE ALL INSPECTIONS AND/OR OTHER ADMINISTRATIVE ACTIVITIES REQUIRED BY THE AHJ TO CLOSE-OUT ANY OPEN PERMIT(S). CONTRACTOR'S CLOSEOUT SUBMITTALS SHALL INCLUDE PERMIT CLOSE-OUT DOCUMENTATION FROM THE AHJ.

1.04 APPLICABILITY OF MANUFACTURER REQUIREMENTS DURING BIDDING AND CONSTRUCTION

- THE CONTRACT DOCUMENTS MAY REQUIRE MATERIALS OR INSTALLATION PRACTICES THAT EXCEED THE MANUFACTURER'S MINIMUM REQUIREMENTS FOR THE SPECIFIED WARRANTY. THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SUPERSEDE THE MANUFACTURER'S REQUIREMENTS IN THESE INSTANCES. THESE REQUIREMENTS MAY NOT BE ALTERED DURING BIDDING OR INSTALLATION OF THE WORK, UNLESS FORMAL MODIFICATIONS ARE ISSUED DURING BIDDING OR CONSTRUCTION BY THE OWNER OR OWNER'S REPRESENTATIVE.
- B. IF THE MANUFACTURER'S MINIMUM REQUIREMENTS FOR THE SPECIFIED WARRANTY REQUIRE PRACTICES THAT EXCEED THE REQUIREMENTS OF THE CONTRACT DOCUMENTS; OR IF THE CONTRACT DOCUMENTS DO NOT REFERENCE A MANUFACTURER'S REQUIREMENT PERTINENT TO SUCCESSFUL PERFORMANCE OF THE WORK. THE ASSOCIATED MANUFACTURER'S REQUIREMENTS SHALL BE FOLLOWED IN THESE INSTANCES.
- C. THE MANUFACTURER'S REQUIREMENTS MAY CONTAIN MORE DETAIL ABOUT WORK EXECUTION-RELATED PROCEDURES THAN THE CONTRACT DOCUMENTS. WHERE THESE ADDITIONAL REQUIREMENTS DO NOT CONFLICT WITH THE CONTRACT DOCUMENTS, THEY SHALL GUIDE THE PERFORMANCE OF RELATED ASPECTS OF THE WORK.

1.05 INTERIOR PROTECTION AND COORDINATION

- COORDINATE ALL ASPECTS OF INTERIOR PROTECTION WITH THE OWNER'S REPRESENTATIVE AND OWNER'S OPERATIONS.
- PROVIDE PROTECTIVE MEASURES WITHIN THE BUILDING WHEN DECK REPLACEMENT AND OBSOLETE PENETRATIONS ARE REMOVED, PRIOR TO BEGINNING WORK.
- PROVIDE COMPETENT PERSON WITHIN THE BUILDING FROM THE BEGINNING OF TEAR-OFF, UNTIL SUCH TIME AS ROOFING DEBRIS/CONSTRUCTION MATERIAL MAY NOT ENTER THE BUILDING. CONTRACTOR'S INTERIOR PERSONNEL SHALL MAINTAIN RADIO CONTACT WITH CREW SUPERVISOR ON THE ROOF AT ALL TIMES. REFER TO SPECIFIED REQUIREMENTS.
- PRIOR TO DEMOLITION WORK, VERIFY THAT ALL SOIL PIPES, FLUES, STEEL MEMBERS, AND OTHER SIMILAR PENETRATIONS ARE SECURED TO THE BUILDING STRUCTURE. COORDINATE REMOVAL OR SECUREMENT OF ALL UNSECURED PENETRATIONS PRIOR TO THE START OF DEMOLITION WORK.

1.06 EXISTING ROOF SYSTEM INFORMATION

A. REFER TO INFORMATION BELOW FOR A DESCRIPTION OF THE EXISTING ROOF ASSEMBLY COMPONENTS AS THEY ARE

BELIEVED TO EXIST, LISTED TOP TO BOTTOM: ROOF SECTION A, BUILDING D

MANUFACTURER OF THE REPLACEMENT FLASHINGS.

ROOF COVERING METAL ROOF PANEL ROOF DECK ROOF SECTION A, BUILDING E ROOF COVERING METAL ROOF PANEL

B. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION PRIOR TO BASING BIDS ON THE PROVIDED INFORMATION.

1.07 DEMOLITION AND ROOF PREPARATION

- COORDINATE ALL ASPECTS OF DEMOLITION WORK WITH OWNER'S REPRESENTATIVE AND ALL OTHER TRADES.
- B. PROVIDE PROTECTIVE MEASURES AROUND THE ROOF AND BUILDING AS SPECIFIED, PRIOR TO BEGINNING WORK.
- REMOVE OBSOLETE ROOF PENETRATIONS IDENTIFIED ON THE DRAWINGS. CONTRACTOR SHALL VERIFY AND

TEAR OFF ALL BASE FLASHINGS AT PIPE PENETRATIONS. PREPARE ALL SUBSTRATES AS REQUIRED BY THE

- COORDINATE PENETRATION REMOVAL WITH THE OWNER. CONTRACTOR SHALL PERFORM ALL NECESSARY SERVICE
- REMOVE AND DISPOSE OF EXISTING ROOF-RELATED SHEET METAL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

REMOVE ALL DEBRIS FROM METAL ROOF PANELS. ENTIRE AREA SHALL BE BROOMED CLEAN AT A MINIMUM PRIOR TO

- F. REMOVE THE RIDGE CAP FROM SECTION A, BUILDING E TO CREATE A SMOOTH TRANSITION.
- G. REMOVE THE GUTTERS AND DOWNSPOUTS AND TRIM EAVE OVERHANG FROM THE METAL ROOF PANEL.
- H. REMOVE EXISTING REGLET COUNTERFLASHINGS WHERE NOTED AND REUSE EXISTING RECEIVER.
- BEGINNING ROOF SYSTEM APPLICATION. REMOVE DEBRIS FROM ROOF AREA AND PROPERLY DISPOSE OF ALL MATERIALS OFF SITE.

1.08 METAL ROOF PANEL REPAIR

A. INSTALL FLAT STOCK 20-GAUGE GALVANIZED SHEET METAL OVER OBSOLETE PIPE PENETRATION OPENINGS.

1.09 ROUGH CARPENTRY

INSTALL WOOD NAILERS FOR CURB EXTENSIONS AS REQUIRED FOR MINIMUM CURB HEIGHT OF 8" ABOVE FINISHED ROOF SURFACE ELEVATION.

1.10 METAL FABRICATIONS

A. INSTALL METAL GUYWIRE ANCHOR.

1.11 RIGID INSULATION

- A. INSTALL ROOF INSULATION AND MEANS OF ATTACHMENT PER DRAWINGS AND SPECIFICATIONS.
- B. INSTALL COVER BOARD AND MEANS OF ATTACHMENT PER DRAWINGS AND SPECIFICATIONS.

1.12 LOW SLOPE ROOFING MEMBRANE AND FLASHINGS

INSTALL WALKWAYS AS SHOWN ON DRAWINGS.

- INSTALL ADHERED, REINFORCED PVC SINGLE-PLY MEMBRANE SYSTEM.
- B. INSTALL PVC FLASHINGS AT ALL PERIMETERS AND PENETRATIONS.

FLASHINGS PER THE DRAWINGS AND SPECIFICATIONS.

1.13 ROOF-RELATED SHEET METAL

- INSTALL ROOF-RELATED SHEET METAL COMPONENTS AS PER DRAWINGS AND SPECIFICATIONS.
- B. REUSE EXISTING SHEET METAL WHERE SPECIFICALLY NOTED AS SUCH ON THE DETAIL DRAWINGS.
- C. PROVIDE ALL NECESSARY SEALANT PRIMERS, SEALANTS, FASTENERS AND OTHER SPECIFIED COMPONENTS TO ENSURE A WATERTIGHT INSTALLATION.
- D. INSTALL PREMANUFACTURED SHEET METAL COMPONENTS AND RELATED ACCESSORIES AS PER DRAWINGS AND
- E. INSTALL MEMBRANE CLAD METAL FLASHINGS, FASTENERS, ALUMINUM TAPE, AND HEAT WELDED MEMBRANE STRIP
- 1.14 MECHANICAL WORK
- A. DISCONNECT AND RECONNECT ROOFTOP MECHANICAL UNITS AS REQUIRED FOR LIFTING.

1.15 ELECTRICAL WORK

- DISCONNECT AND RECONNECT ROOFTOP MECHANICAL UNITS AS REQUIRED FOR LIFTING.
- RAISE EXISTING ELECTRICAL CONDUITS, IF REQUIRED FOR PROPER INSTALLATION OF ROOF SYSTEM.
- 1.16 SUPPORT SYSTEMS INSTALL NON-PENETRATING SUPPORT SYSTEMS AT ROOFTOP EQUIPMENT AS SPECIFIED.

1.17 MONETARY ALLOWANCES

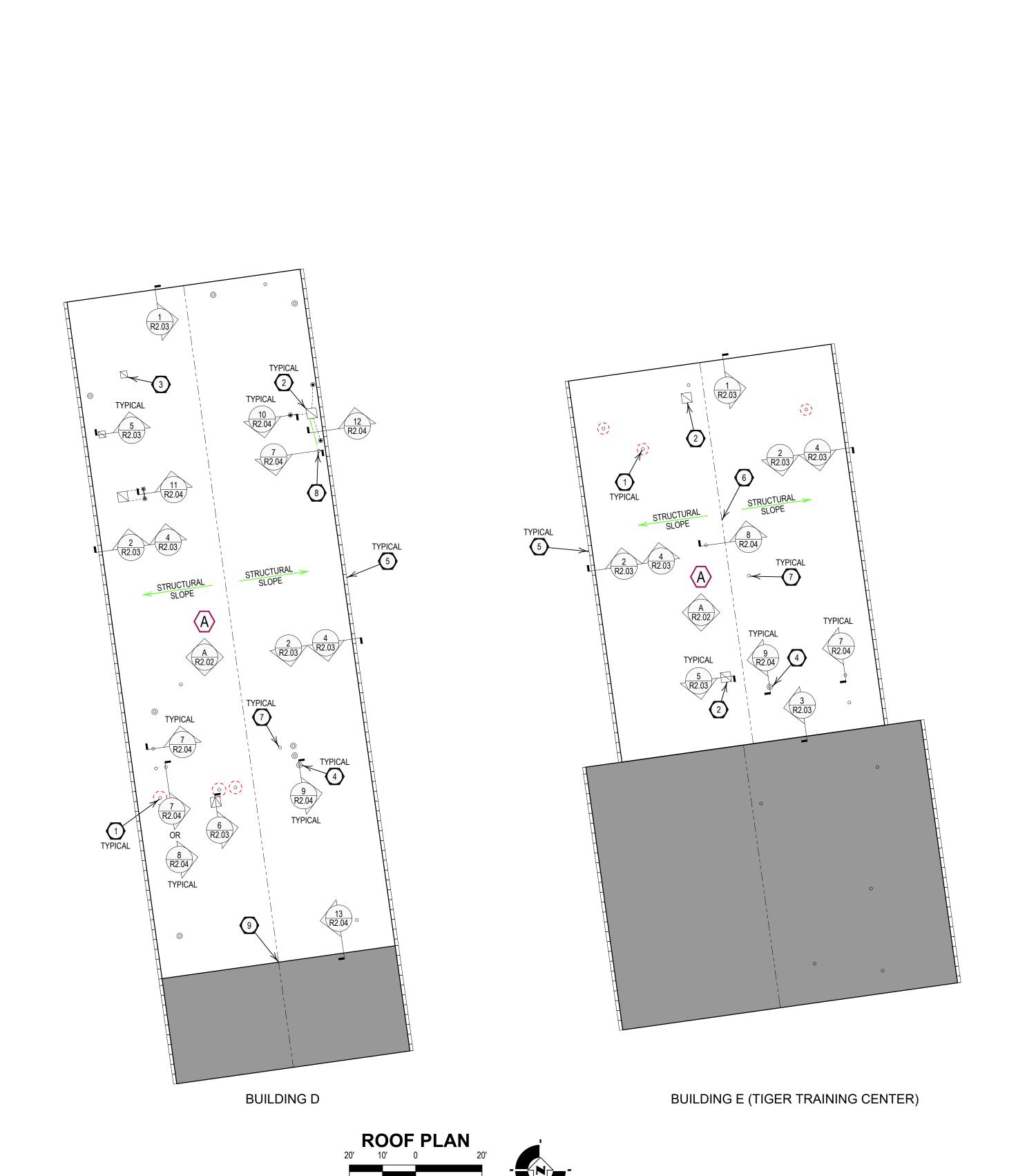
- A. THE BID AND CONTRACT PRICE SHALL INCLUDE THE FOLLOWING STIPULATED QUANTITY ALLOWANCES. TO BE ADJUSTED BY THE ESTABLISHED UNIT PRICES. REFER TO DIVISION 00 AND 01 SPECIFICATIONS FOR UNIT PRICE DESCRIPTIONS AND RELATED REQUIREMENTS.
 - CONTINGENCY FUND TO BE USED FOR UNFORESEEN CHANGES \$5,000.00
- B. THE VALUE WITHIN THE CONTRACT ASSOCIATED WITH EACH ALLOWANCE ITEM SHALL BE SEPARATELY LISTED ON THE SCHEDULE OF VALUES SUBMITTED WITH EACH APPLICATION FOR PAYMENT. REFER TO DIVISION 01 ADMINISTRATIVE INSTRUCTIONS FOR FURTHER INFORMATION.

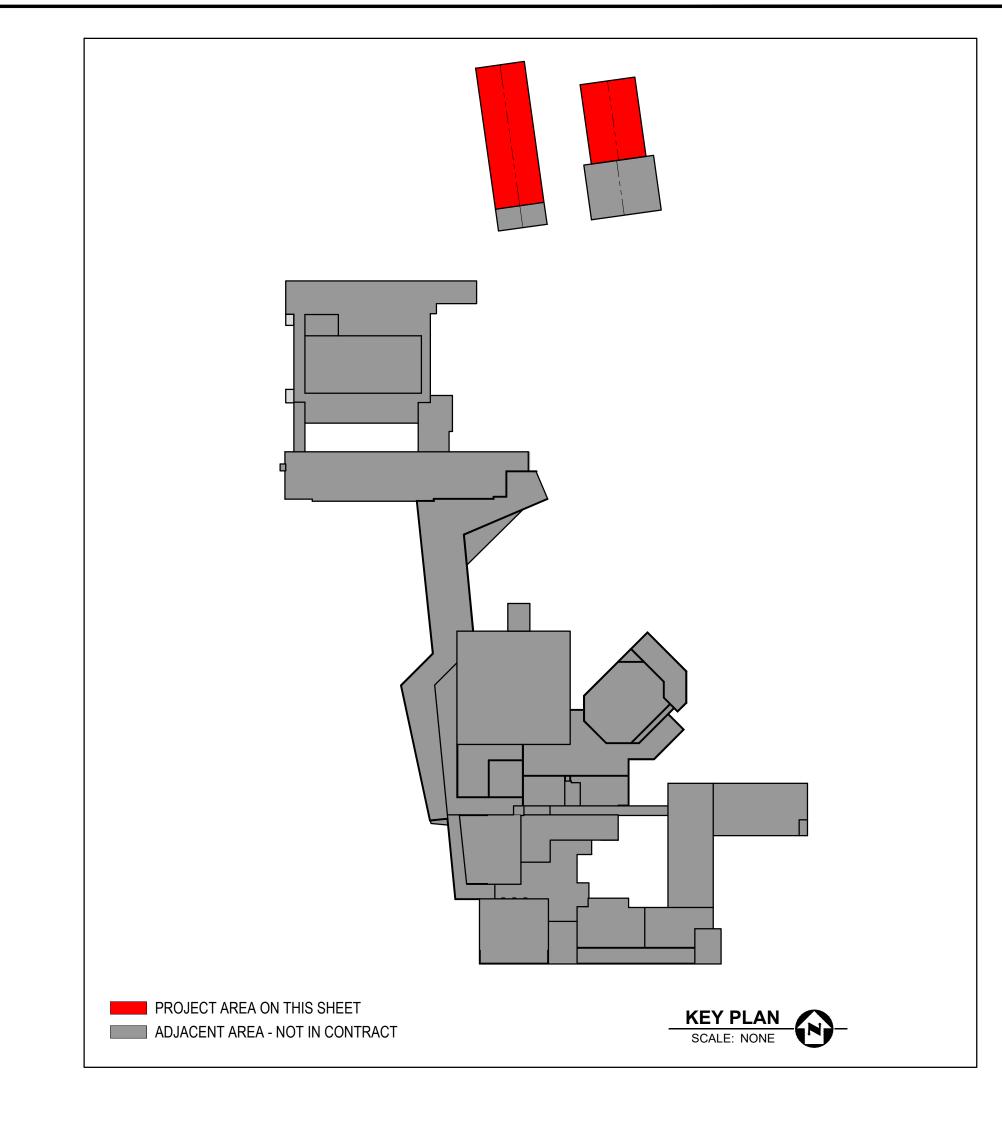
1.18 ROOF DESIGN

A. THE OWNER IS NOT FM GLOBAL INSURED; HOWEVER, CERTAIN COMPONENTS SUCH AS VHS HAIL REQUIREMENTS AND FM APPROVED PREMANUFACTURED SHEET METAL COMPONENTS HAVE BEEN SPECIFIED.

DRAWING RECORD DESCRIPTION DATE I NA REVIEW SET 02/07/25 TH/JI

24LSSLESUR013B SHEET NUMBER:





GENERAL NOTES

- A. THIS DRAWING IS INTENDED FOR ORIENTATION, APPROXIMATE CONFIGURATION, AND
- REFERENCED INFORMATION SHALL APPLY AT ALL SIMILAR LO.C.ATIONS THROUGHOUT
- AND/OR SUBSTRATE COMPONENTS MAY DIFFER FROM THOSE SHOWN. HOWEVER, THE CONCEPT IN THE REFERENCED DETAIL SHALL PERTAIN.
- CANNOT BE DEFINED BY REFERRING TO SIMILAR DETAIL, SUBMIT A REQUEST FOR CLARIFICATION TO THE OWNER'S REPRESENTATIVE. PRO.C.EED BASED ON FULLY EXECUTED CHANGE DIRECTIVE OR CHANGE ORDER. REGARDLESS OF SPECIFIED WARRANTY, BID SHALL INCLUDE VALUE OF INSTALLING ALL WORK, COMPLETE, PER ROOFING MANUFACTURER'S REQUIREMENTS FOR A 20-YEAR MINIMUM WARRANTY. UNAUTHORIZED DETAIL CHANGES ARE SUBJECT TO REJECTION BY THE OWNER'S REPRESENTATIVE.
- . REFER TO SUMMARY OF WORK DRAWING SHEET FOR BASIC SCOPE OF WORK, INCLUDING PRESUMED EXISTING ROOF SYSTEM COMPONENTS, QUANTITY ALLOWANCES FOR UNIT PRICE WORK AND PROPERTY INSURANCE COMPANY REQUIREMENTS WHERE APPLICABLE.
- F. FOR ROOF DESIGN DATA AND ROOF ATTACHMENT REQUIREMENTS, REFER TO THE
- G. INSTALL TAPERED CRICKET TO DIVERT DRAINAGE AROUND ANY PENETRATION 18" OR WIDER MEASURED PERPENDICULAR TO SLOPE DIRECTION. CRICKET SLOPE SHALL BE DOUBLE THE FIELD SLOPE.
- H. INSTALL SPECIFIED WALKWAY MATERIAL AT ROOF ACCESS POINTS, INCLUDING LADDERS, ROOF HATCHES, DOORS, ACCESS PANELS, AND/OR STAIRS. BID SHALL INCLUDE THESE AREAS, AND ANY OTHER AREAS SHOWN OR SPECIFIED.
- TRANSITIONS BETWEEN ADJACENT MEMBRANE FLASHING DETAILS SHALL BE CONTINUOUS AND WATERTIGHT. WATERTIGHT SHEET METAL FLASHING CLOSURES SHALL BE PROVIDED TO FIT SUBSTRATE AND MEMBRANE FLASHING PROFILES. SHEET METAL TYPE, GAUGE, AND COLOR SHALL MATCH ADJACENT COMPONENTS. SHEET METAL SHALL BE SECURED WITH EPDM WASHERED FASTENERS WITH SEALANT APPLIED AS SPECIFIED.
- J. DETAIL EXPOSED EDGES OF BASE FLASHINGS USING VERTICAL SHEET METAL

DRAWING RECORD

SYMBOL LEGEND

PIPE PENETRATION FLANGED PENETRATION

ELEVATED UNIT/EQUIPMENT

OBSOLETE PENETRATION RIDGE/VALLEY LINE (PITCHED)

KEYED NOTE LO.C.ATION

REVISION NUMBER

SYSTEM ASSEMBLY DETAIL LO.C.ATION

ROOF CURB

ROOF HATCH

SLOPE DIRECTION

ROOF SECTION DETAIL LO.C.ATION

NA REVIEW SET

DATE BY

02/07/25 TH/JH

C

24LSSLESUR013B SHEET NUMBER:

LO.C.ATION OF DETAILS AND NOTES. CONTRACTOR SHALL FIELD VERIFY ALL ITEMS FOR BIDDING AND INSTALLATION PURPOSES.

B. WHERE DETAIL OR KEYED NOTE CALLOUTS ARE NOTED AS "TYPICAL", THE

C. WHERE DETAIL CALLOUTS ARE NOTED AS "SIMILAR", THE ROOF DECK, INSULATION,

D. IF A GIVEN CONDITION IS NOT REPRESENTED BY A DETAIL DRAWING, AND THE WORK

CORRESPONDING DESIGN DATA AND ATTACHMENT PLAN DRAWING SHEET.

TERMINATION DETAIL. TERMINATION BAR IS NOT AN ACCEPTABLE SUBSTITUTION.

KEYED NOTES

1. REMOVE OBSOLETE ROOF PENETRATION AND REPAIR WITH 22 GAUGE GALVALUME PATCH. PATCH SHALL BE A MINIMUM 6" WIDER THAN OPENING. FASTEN PATCH AT 3" O.C. WITH #12 PAN HEAD SHEET METAL FASTENERS. VERIFY WITH OWNER BEFORE REMOVING MARKED

2. DISCONNECT, RAISE, AND RECONNECT ROOF CURB AS REQUIRED FOR MINIMUM 8" FLASHING

3. REMOVE ROOF TOP EQUIPMENT STRAPS AND FASTEN EQUIPMENT TOGETHER TO PREVENT

4. REMOVE EXISTING FLANGED PIPE SLEEVE AND REPLACED WITH NEW. TYPICAL AT ALL HOT

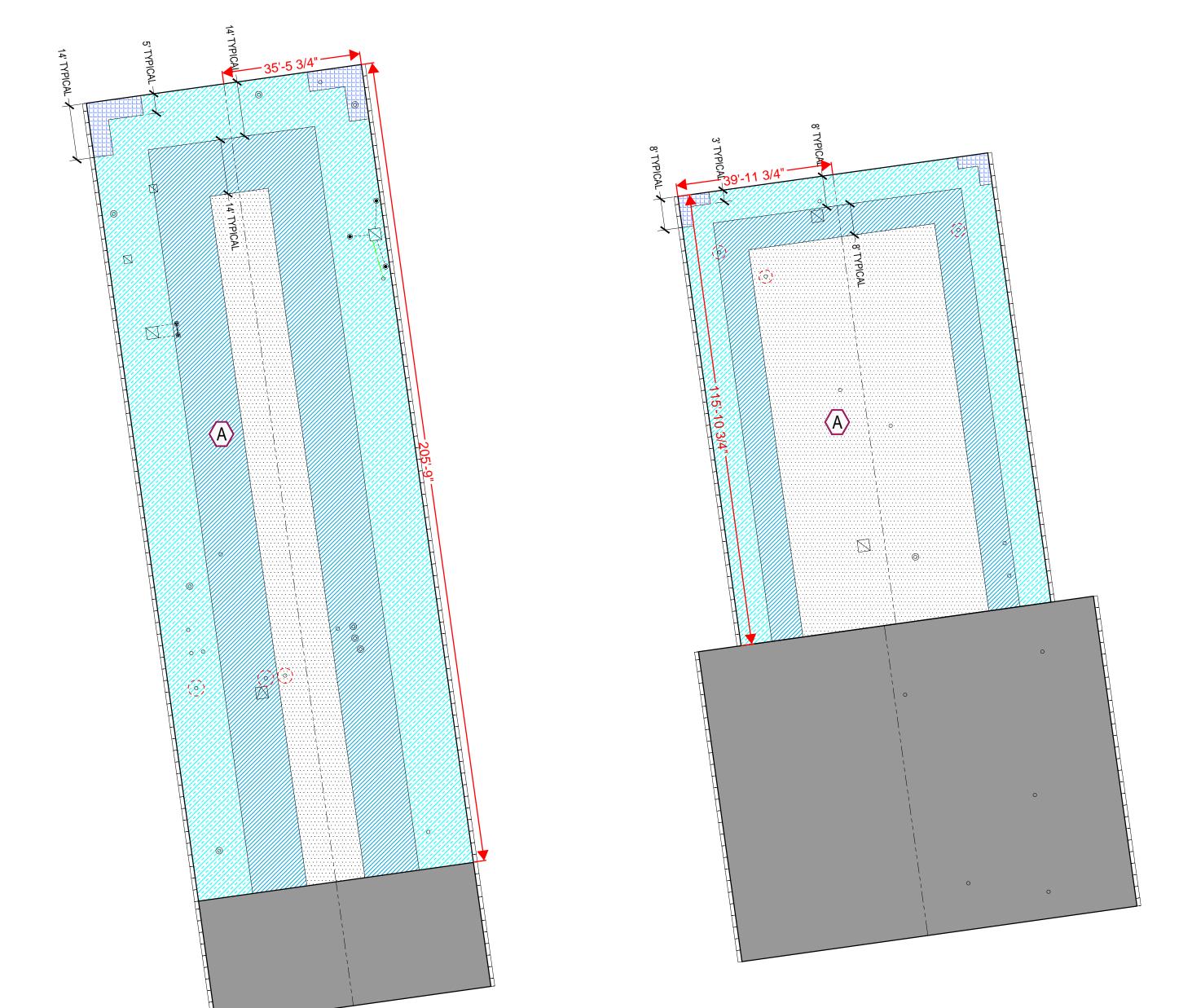
5. REMOVE GUTTER AND TRIM METAL PANEL OVERHANG. DOWNSPOUTS SHALL BE REMOVED AND REPLACED AT EXISTING LO.C.ATIONS.

6. REMOVE RIDGE VENT CAP FOR SMOOTH ROOF SYSTEM TRANSITION.

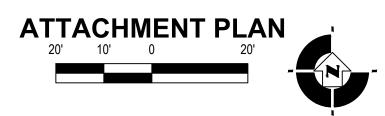
8. RAISE ELECTRICAL CONDUIT TO ACHIEVE A MINIMUM FLASHING HEIGHT OF 8".

7. EXTENDED PIPE PENETRATIONS TO ACHIEVE A MINIMUM FLASHING HEIGHT OF 8".

9. REMOVE THE STITCH FASTENED RIDGE CAP CLOSURE METAL. INSTALL A MEMBRANE-CLAD RIDGE CAP CLOSURE METAL TO ALLOW MEMBRANE FLASHING TERMINATION/ATTACHMENT. THIS WILL BE DESIGNED IN THE FIELD WITH THE ASSISTANCE OF THE OWNERS ON-SITE REPRESENTATIVE.



BUILDING E (TIGER TRAINING CENTER)



BUILDING D

ATTACHMENT ZONES (HEIGHT ≤ 60')					
BUILDING	SECTION	ZONE 1'	ZONE 1	ZONE 2	ZONE 3
D	A	AS SHOWN	AS DIMENSIONED	AS DIMENSIONED	AS DIMENSIONED
Е	Α	AS SHOWN	AS DIMENSIONED	AS DIMENSIONED	AS DIMENSIONED

DESIGN DATA

1.01 GENERAL NOTES

- A. THIS SHEET IS INTENDED TO COMMUNICATE BUILDING CODE INFORMATION, DESIGN STANDARDS, DESIGN DATA, AND ROOF SYSTEM ATTACHMENT REQUIREMENTS.
- B. THE INFORMATION ON THIS SHEET IS INTENDED FOR COMMUNICATION OF ATTACHMENT ZONES ONLY. REFER TO CORRESPONDING ROOF PLAN(S) ON SEPARATE SHEET(S) FOR INFORMATION NOT NOTED.
- C. REFER TO DETAIL SAD (SCHEDULE OF ATTACHMENT DETAILS) ON SHEET R2.01 ATTACHMENT DETAILS, WHICH DEFINES THE
- ATTACHMENT DETAILS THAT ARE REQUIRED FOR EACH ROOF SECTION. D. REFER TO ATTACHMENT ZONE TABLE(S) ON THIS SHEET, WHICH DEFINE THE ZONES AND ZONE HATCHING STYLES APPLICABLE TO

1.02 PROJECT REQUIREMENTS

A. THE COMPLETED ROOF SYSTEM SHALL MEET THE FOLLOWING REQUIREMENTS AT A MINIMUM:

ALL ROOF SECTIONS:

EACH ROOF SECTION.

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE ENERGY CODE: CODE OF ORDINANCES, CITY OF LEE'S SUMMIT. ARTICLE VIII - ENERGY CONSERVATION CODE, SECTION 7-803 WIND DESIGN STANDARD: ASCE 7-16

1.03 ROOF SECTION SPECIFIC REQUIREMENTS

A. THE COMPLETED ROOF SYSTEM SHALL MEET THE FOLLOWING DESIGN WIND LOAD PRESSURES:

LEE'S SUMMIT HIGH SCHOOL - BUILDING D

1. ELE G GOMMAT THOS GOLDEN D						
	ROOF SECTIONS	ZONE 1'	ZONE 1	ZONE 2	ZONE 3	
	A	-34.35	-59.79	-78.87	-107.49	
2.	LEE'S SUMMIT HIGH SCHOOL - BUILDING E					
	ROOF SECTIONS	ZONE 1'	ZONE 1	ZONE 2	ZONE 3	
	A	-31.11	-54.16	-71.44	-97.37	

B. THE INSTALLED COPINGS AND EDGE METAL SHALL COMPLY WITH ANSI/SPRI/FM 4470/ES-1 STANDARDS AND SHALL

MEET THE FOLLOWING DESIGN WIND PRESSURES: ROOF SECTIONS ALL SECTIONS

ZONE 2 HORIZONTAL 44 PSF ZONE 3 HORIZONTAL 55 PSF ZONE 2 VERTICAL 76 PSF ZONE 3 VERTICAL 115 PSF

C. THE ROOF SYSTEM SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E108 AND SHALL HAVE ACHIEVED THE

FOLLOWING EXTERIOR FIRE RATING OR BETTER:

ROOF SECTIONS ALL ROOF SECTIONS

1.04 PROJECT DESIGN DATA

A. WIND DESIGN DATA:

BASIC DESIGN WIND SPEED (V): 115 MPH ALLOWABLE STRESS DESIGN WIND SPEED (Vasd): SAFETY FACTOR:

B. ROOF DRAINAGE: RAIN INTENSITY (i): 3.52 INCHES/HOUR MODIFICATIONS TO DRAINAGE:

1.05 ROOF SECTION-SPECIFIC WIND / LOAD DESIGN DATA

NOTE: ROOF HEIGHT INFORMATION FURNISHED SHALL NOT BE USED FOR THE PURPOSES OF DETERMINING AND/OR BIDDING CONSTRUCTION LOGISTICS:

3.61 PSF INCREASE

A. LEE'S SUMMIT HIGH SCHOOL BUILDING D - ROOF SECTION A

RISK CATEGORY: EXPOSURE CATEGORY: INTERNAL PRESSURE COEFFICIENT: 0.18 MEAN ROOF HEIGHT: 24 FEET ROOF SLOPE: 1/8" IN 12" APPROXIMATE EXISTING ROOF SYSTEM WEIGHT: 0 PSF 3.61 PSF APPROXIMATE NEW ROOF SYSTEM WEIGHT: 100 % INCREASE APPROXIMATE CHANGE IN ROOF SYSTEM WEIGHT: APPROXIMATE NET CHANGE IN ROOF SYSTEM WEIGHT: 3.61 PSF INCREASE

B. LEE'S SUMMIT HIGH SCHOOL BUILDING E - ROOF SECTION A

APPROXIMATE NET CHANGE IN ROOF SYSTEM WEIGHT:

RISK CATEGORY:

EXPOSURE CATEGORY: 0.18 INTERNAL PRESSURE COEFFICIENT: MEAN ROOF HEIGHT: 14 FEET 1/8" IN 12" ROOF SLOPE: APPROXIMATE EXISTING ROOF SYSTEM WEIGHT: 0 PSF 3.61 PSF APPROXIMATE NEW ROOF SYSTEM WEIGHT: APPROXIMATE CHANGE IN ROOF SYSTEM WEIGHT: 100 % INCREASE

02/07/25 TH/JH NA REVIEW SET

DRAWING RECORD

DATE BY

SYMBOL LEGEND

ROOF EDGE PITCH PAN PIPE PENETRATION FLANGED PENETRATION

ROOF CURB ELEVATED UNIT/EQUIPMENT **ROOF HATCH** OBSOLETE PENETRATION

RIDGE/VALLEY LINE (PITCHED) **ROOF SECTION**

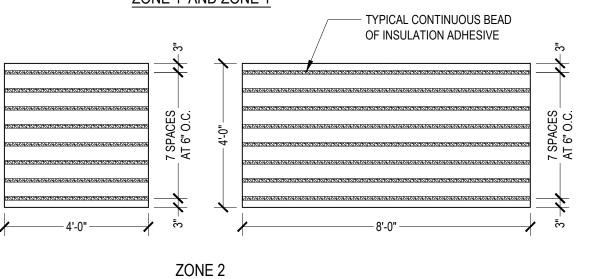
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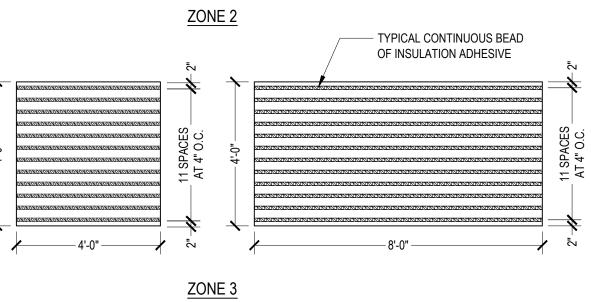
DISTRIC

24LSSLESUR013B SHEET NUMBER:

6" / 36" 12" 12" - 3 SPACES AT 24" O.C. - 12" — 8'-0" — 4'-0" — 8 FASTENERS PER BOARD 16 FASTENERS PER BOARD 1 PER 2.00 SQ. FT. ZONE 1' AND ZONE 1 1 PER 2.00 SQ. FT. 6" 3 SPACES AT 12" O.C. — 7 SPACES AT 12" O.C. ── \odot \odot \odot \odot \odot \odot \odot 4'-0" — 24 FASTENERS PER BOARD 12 FASTENERS PER BOARD 1 PER 1.33 SQ. FT. 1 PER 1.33 SQ. FT. 6" 3 SPACES AT 12" O.C. -- 7 SPACES AT 12" O.C. -- \odot \odot \odot

TYPICAL CONTINUOUS BEAD OF INSULATION ADHESIVE ZONE 1' AND ZONE 1 — TYPICAL CONTINUOUS BEAD OF INSULATION ADHESIVE





INSULATION ADHESIVE APPLICATION NO SCALE 24LSSLESUR013B009

1. ATTACHMENT DETAILS REQUIRED FOR EACH ROOF SECTION ARE SCHEDULED BELOW.

2. WHERE NA IS REFERENCED, THE SPECIFIED ROOF SYSTEM DOES NOT CONTAIN THE LISTED COMPONENT TYPE OR AN ATTACHMENT DETAIL IS NOT PROVIDED. 3. WHERE LL IS REFERENCED, THE COMPONENT IS LOOSELY LAID AND ATTACHMENT IS

ACHIEVED BY INSTALLING ANOTHER COMPONENT OVER TOP. 4. WHERE ATTACHMENT DETAIL REQUIREMENTS VARY BASED ON ZONE, REFER TO DESIGN DATA AND ATTACHMENT PLAN FOR ZONE DEFINITIONS.

5. DISREGARD ANY ATTACHMENT INFORMATION ON THIS SHEET PERTAINING TO ZONES NOT SPECIFIED ON THE DESIGN DATA AND ATTACHMENT PLAN.

6. REFER TO INSULATION SPECIFICATIONS FOR REQUIRED BOARD SIZES. DISREGARD ANY INFORMATION ON THIS SHEET REGARDING BOARD SIZES NOT SPECIFIED.

SCHEDULE OF ATTACHMENT DETAILS

	BUILDING	ROOF SECTION	ROOF DECK	FILL INSULATION (BOTTOM)	INSULATION (MIDDLE)	COVER BOARD (TOP)	FIELD MEMBRANE
	D	Α	NA	LL	AD-1	AD-2	ADHERED
	Е	A	NA	LL	AD-1	AD-2	ADHERED
•					•		

SCHEDULE OF ATTACHMENT DETAILS NO SCALE 24LSSLESUR013B009

4'-0" — 16 FASTENERS PER BOARD

1 PER 1.00 SQ. FT.

INSULATION FASTENING PATTERNS NO SCALE 24LSSLESUR013B009

32 FASTENERS PER BOARD

1 PER 1.00 SQ. FT.

DRAWING RECORD

DATE BY 02/07/25 TH/JH

DESCRIPTION

NA REVIEW SET

LEE'S SUMMIT SCHOOL DISTRICT

BENCHMARK PROJECT NO.:
24LSSLESUR013B
SHEET NUMBER:

