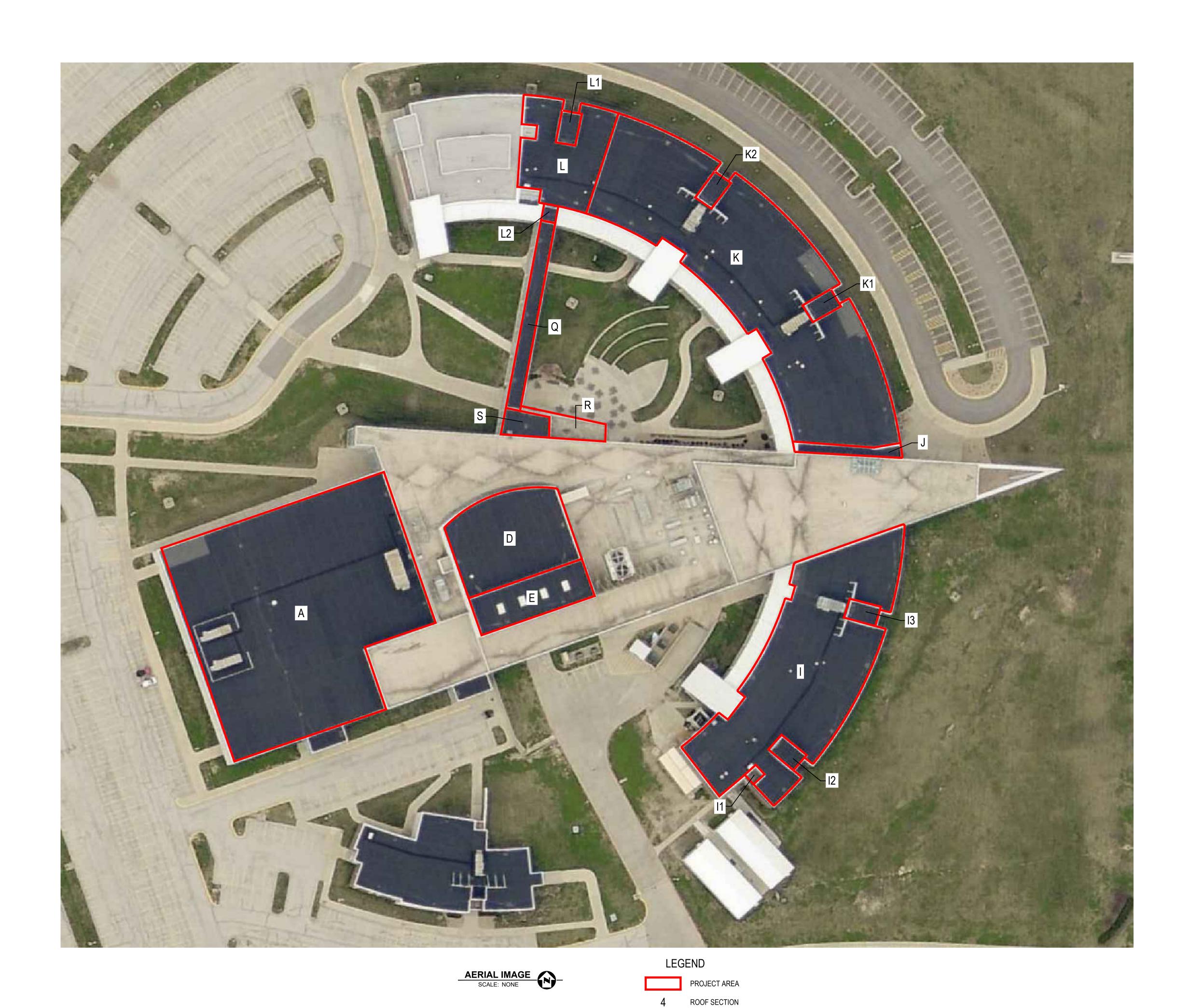
LEE'S SUMMIT R-7 SCHOOL DISTRICT

2022 ROOF REPLACEMENT PROJECT LEE'S SUMMIT WEST HIGH SCHOOL SECTIONS A, D, E, G, H, I, I1, I2, I3, J, K, K1, K2, L, L1, L2, Q, R AND S 2600 SW WARD LEE'S SUMMIT, MISSOURI 64082



SHEET INDEX

R0.01 TITLE SHEET

R0.02 SUMMARY OF WORK

R1.01 ROOF PLAN - SECTIONS A, D, E, G, H, I, I1, I2, I3

R1.02 ROOF PLAN - SECTIONS J, K, K1, K2, L, L1, L2, Q, R, S R1.03 DESIGN DATA AND ATTACHMENT PLAN

R2.01 ATTACHMENT DETAILS

R2.02 SHEET METAL SCHEDULE AND DETAILS

R2.02 SHEET METAL SCHEDULE AN

R2.04 DETAILS

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	B. REFASTEN EXISTING NAILERS/PLYWOOD TO BUILDING STRUCTURE AS REQUIRED TO MEET THE SPECIFIED STANDARDS.	1.21 Q	UANTITY ALLOWANCES		
HIS SUMMARY OF WORK IS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHALL NOT BE CONSTRUED AS COMPLETE ACCOUNTING OF ALL WORK TO BE PERFORMED.	C. INSTALL WOOD NAILERS AS SHOWN ON THE DRAWINGS.	Α.	ADJUSTED BY UNIT COSTS PROPO	SED BY THE CONTRACTOR AT THE TIME	
HE EXTENT OF THE SCOPE OF WORK IS INDICATED ON THE DRAWINGS AND BY THE REQUIREMENTS OF EACH ECTION OF THE SPECIFICATIONS. HE CONTRACTOR SHALL EXAMINE THE SITE AND SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING	 D. INSTALL WOOD NAILERS WHERE REQUIRED TO MATCH HEIGHT OF NEW ROOF INSULATION. E. INSTALL WOOD NAILERS FOR CURB EXTENSIONS AS REQUIRED FOR MINIMUM CURB HEIGHT OF 8". 		 REMOVE AND REPLACE WO REMOVE AND REPLACE PLY 		200 BOARD FEET 160 SQUARE FEET
ONSTRUCTION AND CONDITIONS. 'ASSURANCE BY ROOF SYSTEM MANUFACTURER	F. INSTALL WOOD NAILER AT PARAPET WALL. G. INSTALL PLYWOOD AS SHOWN ON THE DRAWINGS.		 INSTALL ADDITIONAL WALK REMOVE AND REPLACE STE 		150 LINEAR FEET 5,000 SQUARE FEET
IEMBRANE MANUFACTURER'S TECHNICAL REPRESENTATIVE, SHALL BE A FULL-TIME EMPLOYEE OF THE MEMBRANE IANUFACTURER.	MISCELLANEOUS INSULATION A. INSTALL FIBERGLASS BATT INSULATION IN POLYETHYLENE SADDLE AT EXPANSION JOINTS.		5. WIRE BRUSH, CLEAN, AND F6. REPLACE BROKEN DRAIN C	RIME PAINT SURFACE RUSTED STEEL LAMPING RING	DECKING 40,000 SQUARE FEET 2 EACH
HE MANUFACTURER'S TECHNICAL REPRESENTATIVE SHALL COORDINATE ALL SITE VISITS WITH THE CONTRACTOR ND OWNER'S REPRESENTATIVE A MINIMUM OF THREE BUSINESS DAYS IN ADVANCE.	1.10 AIR BARRIER AND VAPOR RETARDER A. INSTALL AIR BARRIER OR VAPOR RETARDER OVER THE ROOF DECKING OR GYPSUM BOARDS. AS SPECIFIED.	В		OBSOLETE PENETRATIONS SHALL B	EINCLUDED IN THE BID INDEPENDENT OF THE
URING EACH VISIT, THE MANUFACTURER'S TECHNICAL REPRESENTATIVE SHALL CHECK ALL WORK INSTALLED SINCE HE LAST VISIT, MARK ALL DEFECTS FOR REPAIR, AND PROVIDE A WRITTEN SITE VISITATION REPORT LISTING ANY	B. SEAL AIR BARRIER AND VAPOR RETARDER AT ALL PERIMETERS AND PENETRATIONS.	С			OR DETAIL DRAWINGS SHALL BE INCLUDED IN KWAY INSTALLATION.
LL REPORTS AND OTHER CORRESPONDENCE ASSOCIATED WITH THE SITE VISIT SHALL BE PROVIDED TO THE	1.11 RIGID INSULATIONA. INSTALL ROOF INSULATION AND MEANS OF ATTACHMENT PER DRAWINGS AND SPECIFICATIONS.	D	THE SCHEDULE OF VALUES SUBMI	TTED WITH EACH APPLICATION FOR P	
USINESS DAYS OF THE VISIT.	 B. INSTALL TAPERED INSULATION SYSTEM AND MEANS OF ATTACHMENT PER DRAWINGS AND SPECIFICATIONS. C. INSTALL TAPERED INSULATION DRAIN SUMPS PER DRAWINGS AND SPECIFICATIONS. 	1.22 R	OOF DESIGN AND SUPPLY REQUIREMEN	ITS	
HE CONTRACT DOCUMENTS MAY REQUIRE MATERIALS OR INSTALLATION PRACTICES THAT EXCEED THE IANUFACTURER'S MINIMUM REQUIREMENTS FOR THE SPECIFIED WARRANTY. THE REQUIREMENTS OF THE CONTRACT	D. INSTALL TAPERED SADDLES, CRICKETS, AND EDGE STRIPS AS SHOWN OR SPECIFIED.	A.	GLOBAL INSURED, BUT THE ROOF!	NAV ASSEMBLIES PROVIDE A TESTED	MINIMUM STANDARD FOR DESIGN.
OCUMENTS SUPERSEDE THE MANUFACTURER'S REQUIREMENTS IN THESE INSTANCES. THESE REQUIREMENTS MAY OT BE ALTERED DURING BIDDING OR INSTALLATION OF THE WORK, UNLESS FORMAL MODIFICATIONS ARE ISSUED	F. INSTALL TAPERED EDGE STRIPS.	В	LISTED IN ROOFNAV AS APPROVED		
THE MANUFACTURER'S MINIMUM REQUIREMENTS FOR THE SPECIFIED WARRANTY REQUIRE PRACTICES THAT	A. INSTALL GYPSUM COVER BOARD AND GYPSUM BOARD VAPOR RETARDER SUPPORT BASE AND MEANS OF	С	CONTRACTOR FROM THE SPECIFIE	ED PRODUCTS, TO PROVIDE A ROOF S	YSTEM THAT IS DEFINED BY AN ACTIVE
EFERENCE A MANUFACTURER'S REQUIREMENT PERTINENT TO SUCCESSFUL PERFORMANCE OF THE WORK, THE SSOCIATED MANUFACTURER'S REQUIREMENTS SHALL BE FOLLOWED IN THESE INSTANCES.					
HAN THE CONTRACT DOCUMENTS. WHERE THESE ADDITIONAL REQUIREMENTS DO NOT CONFLICT WITH THE		U	NUMBERS:		
CTOR PROVIDED INTERIOR PROTECTION AND COORDINATION			SIKA SARNAFIL	ALL	479214-0-0
PERATIONS.			SEAMAN CORP.	ALL	479463-0-0
OULD ALLOW DEBRIS TO ENTER THE BUILDING.		E.	ENHANCEMENT ZONES SHALL BE		
ROVIDE COMPETENT PERSON WITHIN THE BUILDING FROM THE BEGINNING OF TEAR-OFF, UNTIL SUCH TIME AS OOFING DEBRIS/CONSTRUCTION MATERIAL MAY NOT ENTER THE BUILDING. CONTRACTOR'S INTERIOR PERSONNEL		F.	. AT A MINIMUM, WOOD NAILER INST	ALLATION SHALL MEET THE REQUIRE	MENTS OF FM GLOBAL PROPERTY LOSS
HALL MAINTAIN RADIO CONTACT WITH CREW SUPERVISOR ON THE ROOF AT ALL TIMES. REFER TO SPECIFIED EQUIREMENTS.	A. CLEAN, PRIME, AND PAINT THE FOLLOWING RUSTING COMPONENTS:	G	at a minimum, roof-related sh		LATION SHALL MEET THE REQUIREMENTS OF
RIOR TO DEMOLITION WORK, VERIFY THAT ALL SOIL PIPES, FLUES, STEEL MEMBERS, AND OTHER SIMILAR ENETRATIONS ARE SECURED TO THE BUILDING STRUCTURE. COORDINATE REMOVAL OR SECUREMENT OF ALL NSECURED PENETRATIONS PRIOR TO THE START OF DEMOLITION WORK.	2. ROOF PENETRATIONS	Н	. FM GLOBAL HOT WORK PERMIT PR		ENEVER THEY APPLY IN THE PERFORMANCE
G ROOF SYSTEM INFORMATION		I.	ROOF COVERING MATERIALS, DEC		
ELIEVED TO EXIST; LISTED <u>TOP TO BOTTOM.</u>					
ROOF MEMBRANE ADHERED EPDM SINGLE-PLY	C. PRIOR TO INSTALLING REPLACEMENT ROOF DECKING; PREPARE, CLEAN, AND PAINT THE TOP FLANGE OF ROOF				
ROOF MEMBRANE STONE BALLASTED EPDM					
	D. REPLACE ALL MISSING, DAMAGED, PLASTIC, OR IMPROPERLY FIT DRAIN STRAINERS, AND/OR CLAMPING RINGS. ALL REPLACEMENT DRAIN STRAINERS SHALL BE CAST IRON STRAINERS AND SHALL FIT WITH CLAMPING RINGS. ALL				
	REPLACEMENT CLAMPING RINGS SHALL BE CAST IRON AND SHALL PROPERLY FIT WITH EXISTING DRAIN BOWLS. E. INSTALL REPLACEMENT DRAIN BOLTS. REMOVE ANY BROKEN BOLTS FROM DRAIN CASTINGS, AND PREPARE				
	, ,				
ROOF DECK STEEL	3. FINISH COAT: APPLY ONE COAT OF SHERWIN WILLIAMS ZERO VOC ACRYLIC, SEMI-GLOSS, OR APPROVED				
ONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION PRIOR TO BASING BIDS ON THE PROVIDED NFORMATION.					
EST CUTTING AND IMMEDIATE PATCHING BY THE CONTRACTOR WILL BE ALLOWED AT THE PRE-BID MEETING, ROVIDED THE ASSOCIATED WORK IS PERFORMED BY QUALIFIED PERSONNEL WITH SUITABLE/COMPATIBLE IATERIALS. CONTRACTOR SHALL POSSESS ALL ASSOCIATED SDS AND APPROPRIATE PPE.	DEVICES.				
CORDINATE ALL ASPECTS OF DEMOLITION WORK WITH OWNER'S REPRESENTATIVE AND ALL OTHER TRADES	WORKDAY AS BASE SHEET AND CAP SHEET INSTALLATION.				
ROVIDE PROTECTIVE MEASURES AROUND THE ROOF AND BUILDING AS SPECIFIED, PRIOR TO BEGINNING WORK.					
VATER TEST ALL DRAINS TO ENSURE PROPER OPERATION PRIOR TO BEGINNING WORK. EAR OFF EXISTING ROOF SYSTEM TO THE ROOF DECKING.					
EMOVE FASTENERS AT EXISTING MEMBRANE, INSULATION, CARPENTRY, FLASHING TERMINATIONS, AND SHEET IETAL COMPONENTS BY BACKING OUT, WHENEVER POSSIBLE.					
ORK ON A UNIT COST BASIS.					
EMOVE EXISTING WOOD NAILERS/PLYWOOD WHERE REQUIRED TO MEET THE INTENT OF THE DRAWINGS. EMOVE EXISTING ROOF CURBS, AS NOTED.	B. RAISE EXISTING ELECTRICAL CONDUITS, IF REQUIRED FOR PROPER INSTALLATION OF ROOF SYSTEM AND SUPPORTS.				
EMOVE OBSOLETE ROOF PENETRATIONS AND OBSOLETE ROOFTOP EQUIPMENT IDENTIFIED ON THE DRAWINGS. ONTRACTOR SHALL VERIFY AND COORDINATE EQUIPMENT REMOVAL WITH THE OWNER. CONTRACTOR SHALL FREORM ALL NECESSARY SERVICE DISCONNECTS	D. REMOVE AND REINSTALL SECURITY LIGHTS AND ASSOCIATED CONDUITS. MAINTAIN NORMAL FACILITY LIGHTING				
EAL ALL PERIMETERS, PENETRATIONS, AND DRAINS AS REQUIRED TO PREVENT CONSTRUCTION MATERIALS FROM NTERING THE BUILDING.					
EMOVE AND DISPOSE OF EXISTING ROOF-RELATED SHEET METAL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.					
EMOVE ALL DEBRIS FROM DECKING. ENTIRE DECK SHALL BE BROOMED CLEAN AT A MINIMUM PRIOR TO BEGINNING OOF SYSTEM APPLICATION.	A. COORDINATE THE INSTALLATION OF NEW ROOF PENETRATIONS THROUGHOUT THE DURATION OF THE PROJECT AS				
LEAN EXISTING DRAINS DOWN TO THE CAST IRON SURFACE AND PREPARE DRAINS FOR MEMBRANE ROOFING. EMOVE BROKEN DRAIN BOLTS FROM DRAIN CASTINGS WHERE REQUIRED.	DIRECTED BY THE OWNER. B. COORDINATE ROOFING WITH DISCONNECTION AND RECONNECTION OF SATELLITE DISH BY OTHERS. ROOFING				
EMOVE DEBRIS FROM ROOF AREA AND PROPERLY DISPOSE OF ALL MATERIALS OFF SITE. RIME ALL CONCRETE, MASONRY, AND/OR METAL SURFACES TO RECEIVE ADHERED VAPOR RETARDER.					
T THE END OF EACH DAY, ENSURE THAT ALL DRAINS ARE IN PROPER WORKING ORDER AND THAT DRAIN LINES ARE OTALLY UNRESTRICTED. IMPLEMENT ANY REQUIRED CORRECTIVE MEASURES BEFORE LEAVING THE JOB SITE THAT					
AY. G REPAIR/REPLACEMENT					
EPLACE, OVERLAY OR REPAIR DETERIORATED STEEL ROOF DECKING AS SPECIFIED. PERFORM THIS WORK ON A NIT COST BASIS.					
EPLACE DECKING WITH LIKE DECKING WHERE OBSOLETE PENETRATIONS HAVE BEEN REMOVED. LEAN, WIRE BRUSH, AND PRIME PAINT SURFACE RUSTED STEEL DECKING ENCOUNTERED DURING POST TEAR-OFF					
ISPECTION OF THE DECKING. PERFORM THIS WORK ON A UNIT COST BASIS. EFASTEN EXISTING DECKING AS SPECIFIED.					
CARPENTRY ISTALL REPLACEMENT WOOD NAILERS/PLYWOOD WHERE DETERIORATED COMPONENTS WERE REMOVED.					
ERFORM THIS WORK ON A UNIT COST BASIS.					
THE LOU IN HIVOOUT TARS HHO IN OFF FOR FIRM FIRM OF FIRM FIRM FIRM FIRM FIRM FIRM FIRM FIR	ELAST YELL MARKA ALL DEFECTS FOR REPAIR AND REVOIDE A WAITTEN SITE VISIT SHALL BE PROVIDED TO THE DESCRIPTION AND OTHER CORRESPONDED BY THE COST NATIONAL PROVIDED TO THE DESCRIPTION AND OTHER CORRESPONDED BY THE COST NATIONAL PROVIDED TO THE COST NATIONAL PROVIDED THE C	The content of the	1.	Control of the Cont	Mary

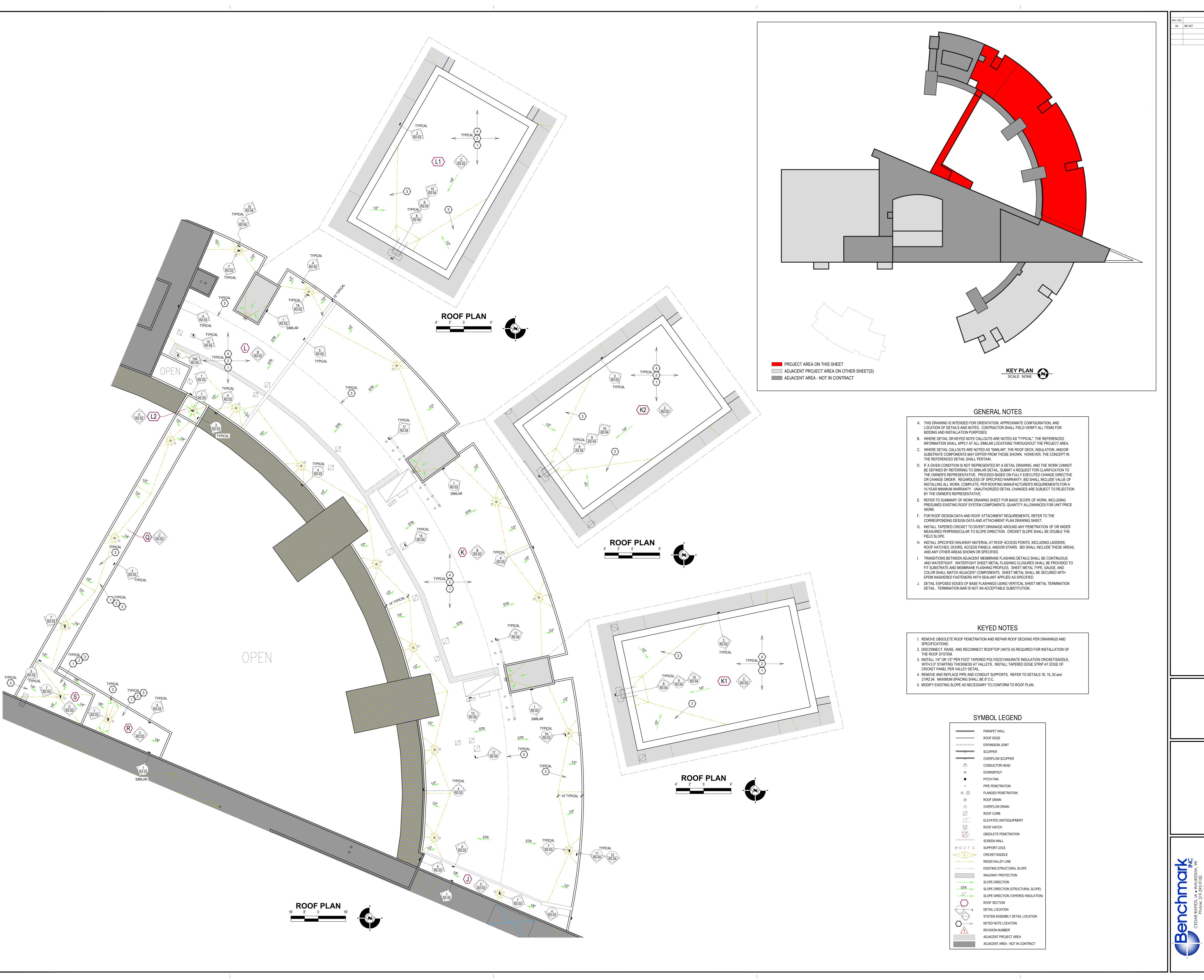
LEE'S SUMMIT R-7 SCHOOL DISTRICT

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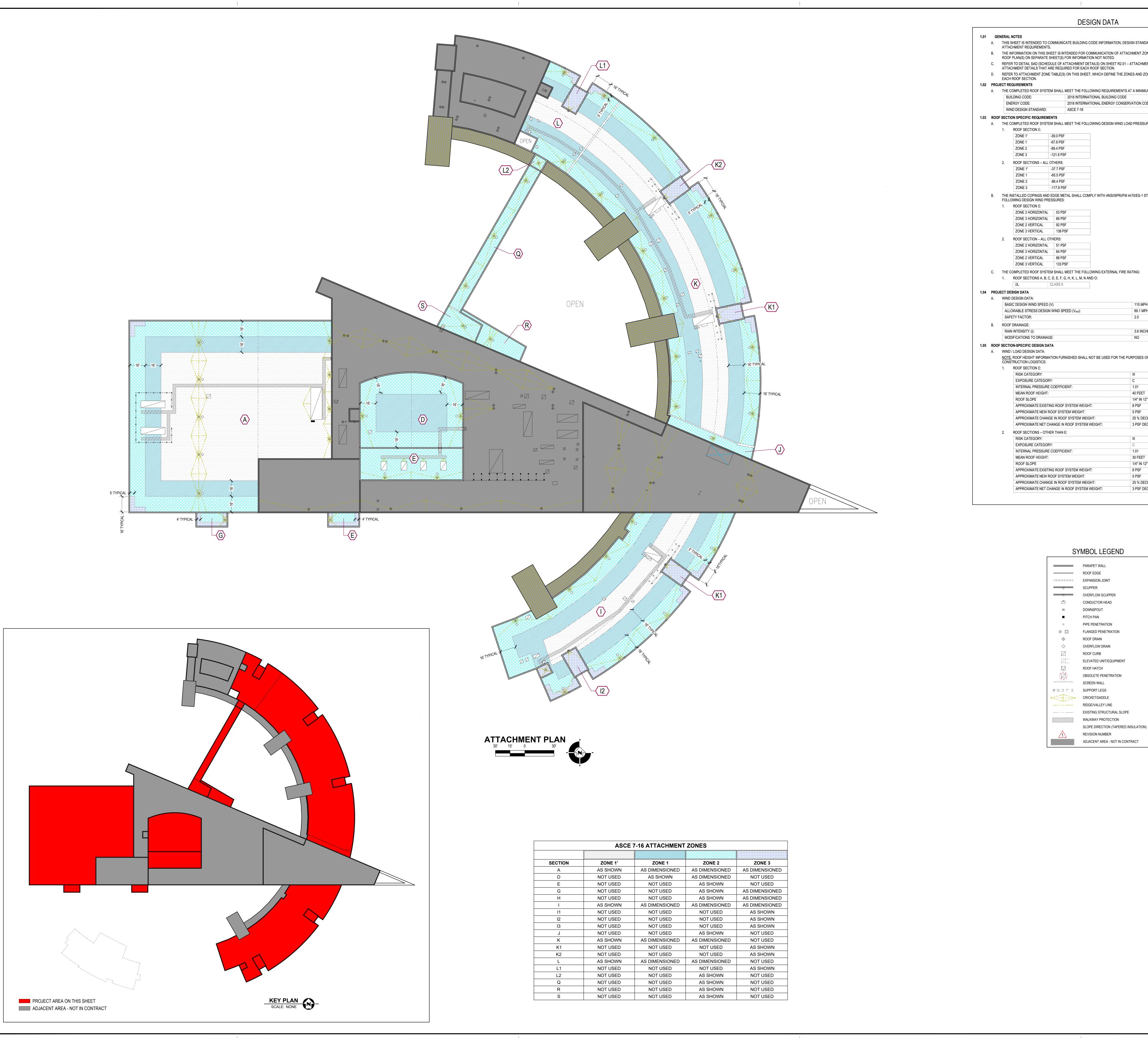
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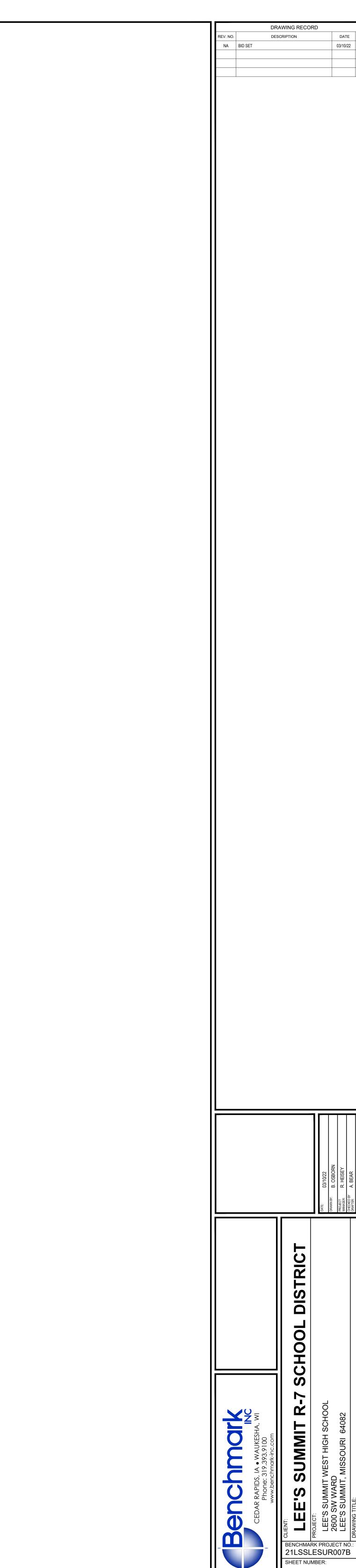
21LSSLESUR007B



A. THIS SHEET IS INTENDED TO COMMUNICATE BUILDING CODE INFORMATION, DESIGN STANDARDS, DESIGN DATA, AND ROOF SYSTEM B. THE INFORMATION ON THIS SHEET IS INTENDED FOR COMMUNICATION OF ATTACHMENT ZONES ONLY. REFER TO CORRESPONDING C. REFER TO DETAIL SAD (SCHEDULE OF ATTACHMENT DETAILS) ON SHEET R2.01 – ATTACHMENT DETAILS, WHICH DEFINES THE D. REFER TO ATTACHMENT ZONE TABLE(S) ON THIS SHEET, WHICH DEFINE THE ZONES AND ZONE HATCHING STYLES APPLICABLE TO A. THE COMPLETED ROOF SYSTEM SHALL MEET THE FOLLOWING REQUIREMENTS AT A MINIMUM: 2018 INTERNATIONAL ENERGY CONSERVATION CODE A. THE COMPLETED ROOF SYSTEM SHALL MEET THE FOLLOWING DESIGN WIND LOAD PRESSURES: B. THE INSTALLED COPINGS AND EDGE METAL SHALL COMPLY WITH ANSI/SPRI/FM 4470/ES-1 STANDARDS AND SHALL MEET THE 3.6 INCHES/HOUR NOTE: ROOF HEIGHT INFORMATION FURNISHED SHALL NOT BE USED FOR THE PURPOSES OF DETERMINING AND/OR BIDDING 1/4" IN 12" 25 % DECREASE 3 PSF DECREASE 1/4" IN 12" 25 % DECREASE 3 PSF DECREASE

DESCRIPTION

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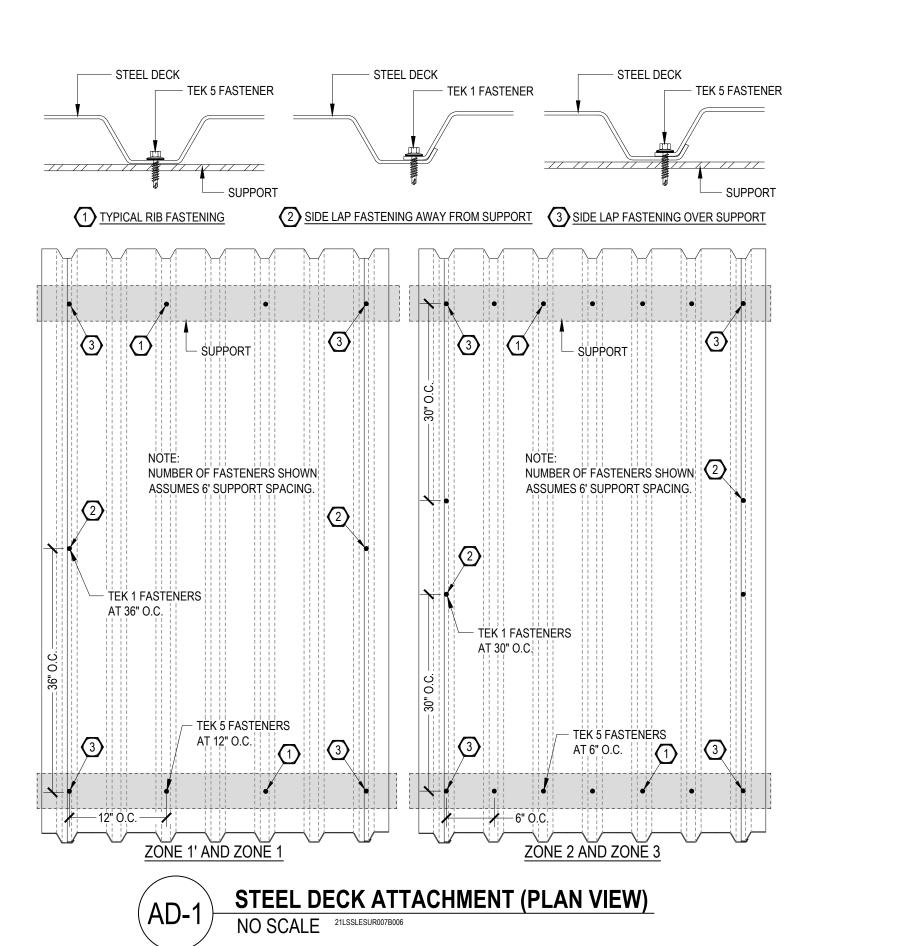
NC	TES:
1.	ATTACHMENT DETAILS REQUIRED FOR EACH ROOF SECTION ARE SCHEDULED BELOW.
2.	WHERE NA IS REFERENCED. THE SPECIFIED ROOF SYSTEM DOES NOT CONTAIN THE
	LISTED COMPONENT TYPE OR AN ATTACHMENT DETAIL IS NOT PROVIDED.

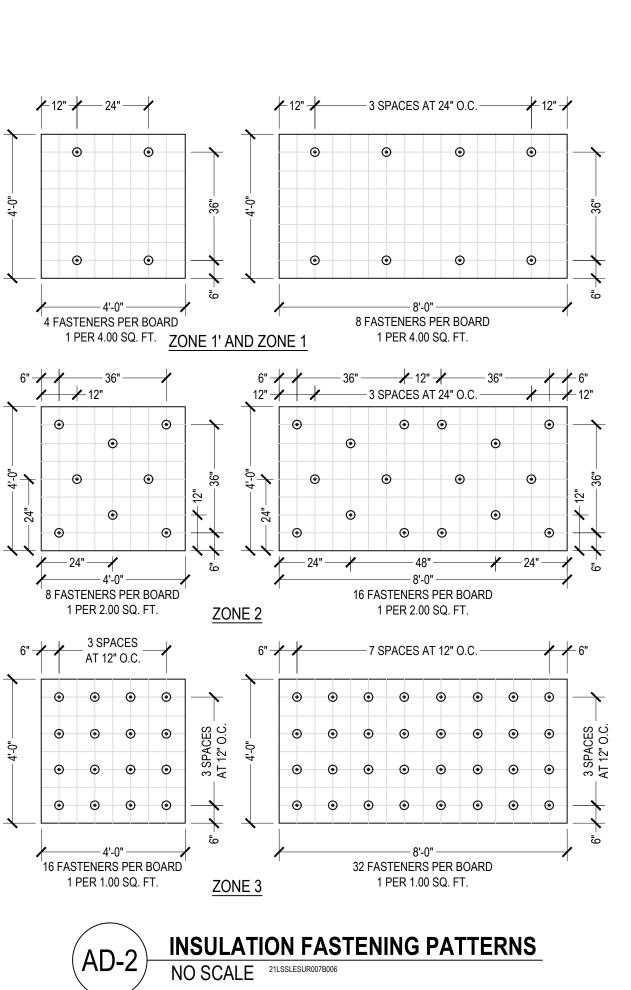
- 3. WHERE LL IS REFERENCED, THE COMPONENT IS LOOSELY LAID AND ATTACHMENT IS ACHIEVED BY INSTALLING ANOTHER COMPONENT OVER TOP. 4. WHERE ATTACHMENT DETAIL REQUIREMENTS VARY BASED ON ZONE, REFER TO DESIGN
- DATA AND ATTACHMENT PLAN FOR ZONE DEFINITIONS.
- SPECIFIED ON THE DESIGN DATA AND ATTACHMENT PLAN. 6. REFER TO INSULATION SPECIFICATIONS FOR REQUIRED BOARD SIZES. DISREGARD ANY INFORMATION ON THIS SHEET REGARDING BOARD SIZES NOT SPECIFIED.

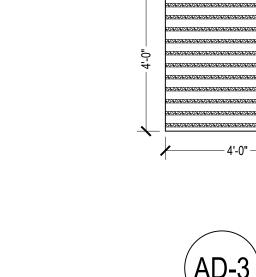
5. DISREGARD ANY ATTACHMENT INFORMATION ON THIS SHEET PERTAINING TO ZONES NOT

SCHEDULE OF ATTACHMENT DETAILS										
ROOF SECTION	ROOF DECK	AIR BARRIER	VAPOR RETARDER	THERMAL BARRIER	INSULATION (BOTTOM)	INSULATION (MIDDLE)	INSULATION (TOP)	COVER BOARD	FIELD MEMBRANE	
A, D, E	AD-1	NA	ADHERED	AD-2	AD-4	NA	AD-3	AD-3	ADHERED	
G, H, I, I1, I2, I3, J, K, K1, K2, L, L1, L2, Q, R, S	AD-1	LL	NA	NA	LL	NA	AD-2	AD-3	ADHERED	









ZONE 3 INSULATION ADHESIVE APPLICATION
NO SCALE 21LSSLESUR007B006

4'-0"

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ZONE 1' AND ZONE 1

TYPICAL CONTINUOUS BEAD

OF INSULATION ADHESIVE

— TYPICAL CONTINUOUS BEAD

— TYPICAL CONTINUOUS BEAD

OF INSULATION ADHESIVE

OF INSULATION ADHESIVE

