# 2024 ROOF REPLACEMENT PROJECT

**RIVER VALLEY** HIGH SCHOOL 4280 MARION-MT. GILEAD ROAD

CALEDONIA, OHIO 43314

RIVER VALLEY MIDDLE SCHOOL 4334 MARION-MT. GILEAD ROAD

CALEDONIA, OHIO 43314

LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N

CALEDONIA, OHIO 43314

MAYS PROJECT #: ROH50-001

DESIGN DEVELOPMENT 04-16-2024



### **SHEET INDEX**

TITLE PAGE BUILDING CODE: S1.0 SITE & STAGING PLAN - RIVER VALLEY H.S./M.S. SITE & STAGING PLAN - LIBERTY E.S. (NORTH) WIND LOAD INFORMATION: S1.0.L SITE & STAGING PLAN - HERITAGE E.S. (SOUTH) S1.0.H Basic Wind Speed: Ground Surface Roughness: C PARTIAL ROOF PLAN - RIVER VALLEY H.S. - BASE BID #1 A1.0.HS Wind Importance Category: III PARTIAL ROOF PLAN - RIVER VALLEY H.S. - BASE BID #1 A1.1.HS PARTIAL ROOF PLAN - RIVER VALLEY H.S. - ALTERNATE #1B AND #1C A1.2 HS USE GROUP: A1.3 HS PARTIAL ROOF PLAN - RIVER VALLEY H.S. - ALTERNATE #1B AND #1C A1.4 HS PARTIAL ROOF PLAN - RIVER VALLEY H.S. - ALTERNATE #2A A1.5 HS PARTIAL ROOF PLAN - RIVER VALLEY H.S. - ALTERNATE #2A A1.0.MS ROOF PLAN - RIVER VALLEY M.S. - BASE BID #1 A1.1 MS ROOF PLAN - ALTERNATE #1B ENERGY CODE: A1.2 MS ROOF PLAN - ALTERNATE #2B AND #2C ROOF PLAN - LIBERTY E.S. (NORTH) - BASE BID #2 A1.0.L CLIMATE ZONE: ROOF PLAN - LIBERTY E.S. (NORTH) - ALTERNATE #2D A1.1.L A1.0.H ROOF PLAN - HERITAGE E.S. (SOUTH) - BASE BID #2 REQUIRED ROOF R-VALUE: A1.1.H ROOF PLAN - HERITAGE E.S. (SOUTH) - ALTERNATE #2E Insulation Entirely Above Roof Deck: R-30.0 A2.0.HS WIND UPLIFT LOAD PLAN - RIVER VALLEY H.S. - BASE BID #1 SPECIFIED ROOF R-VALUE: A2.1.HS WIND UPLIFT LOAD PLAN - RIVER VALLEY H.S. - BASE BID #1 Low Sloped\* A2.0.MS WIND UPLIFT LOAD PLAN - RIVER VALLEY M.S. - BASE BID #1 Existing Roof Insulation R-Value (3.0" Polyiso WIND UPLIFT LOAD PLAN - LIBERTY E.S. (NORTH) - BASE BID #2 A2.0.L Specified Additional R-Value (2.5" Polyiso. x 5 WIND UPLIFT LOAD PLAN - HERITAGE E.S. (SOUTH) - BASE BID #2 A2.0.H Total Roof Assembly R-Value TAPERED INSULATION PLAN - RIVER VALLEY H.S. - BASE BID #1 A3.0.HS STEEP SLOPED\* TAPERED INSULATION PLAN - RIVER VALLEY H.S. - BASE BID #1 A3.1.HS Specified R-Value (5.4 x 5.56 R/in.) A3.0.MS TAPERED INSULATION PLAN - RIVER VALLEY M.S. - BASE BID #1 TAPERED INSULATION PLAN - LIBERTY E.S. (NORTH) - BASE BID #2 A3.0.L TAPERED INSULATION PLAN - HERITAGE E.S. (SOUTH) - BASE BID #2 A3.0.H TAPERED INSULATION DETAILS A3.1 A4.0 DETAILS - LOW-SLOPED ROOF SYSTEM DETAILS - STEEP SLOPED ROOF SYSTEM A5.0 DETAILS - LOW-SLOPED ROOF SYSTEM A4.1 DETAILS - STEEP SLOPED ROOF SYSTEM A5.1 A4.2 DETAILS - LOW-SLOPED ROOF SYSTEM A5.2 DETAILS - STEEP SLOPED ROOF SYSTEM A4.3 DETAILS - LOW-SLOPED ROOF SYSTEM DETAILS - STEEP SLOPED ROOF SYSTEM A5.3 DETAILS - LOW-SLOPED ROOF SYSTEM A4.4 DETAILS - STEEP SLOPED ROOF SYSTEM A5.4 A4.5 DETAILS - LOW-SLOPED ROOF SYSTEM A5.5 DETAILS - STEEP SLOPED ROOF SYSTEM A4.6 DETAILS - LOW-SLOPED ROOF SYSTEM A5.6 DETAILS - STEEP SLOPED ROOF SYSTEM A4.7 DETAILS - LOW-SLOPED ROOF SYSTEM A5.7 DETAILS - STEEP SLOPED ROOF SYSTEM A4.8 DETAILS - LOW-SLOPED ROOF SYSTEM DETAILS - STEEP SLOPED ROOF SYSTEM A5.8 A4.9 DETAILS - LOW-SLOPED ROOF SYSTEM A5.9 DETAILS - STEEP SLOPED ROOF SYSTEM A4.10 DETAILS - LOW-SLOPED ROOF SYSTEM DETAILS - AIR SEALING & MASONRY TWF A6.0 A6.1 DETAILS - AIR SEALING & MASONRY TWF



# HERITAGE ELEMENTARY SCHOOL

720 COLUMBUS-SANDUSKY RD S MARION, OHIO 43302





**RIVER VALLEY LOCAL SCHOOLS** 197 BROCKLESBY ROAD

CALEDONIA, OHIO 43314



PREPARED BY:

# Mays Consulting & Evaluation Services, Inc.

201 Pennsylvania Avenue Delaware, Ohio 43015

<b>BUILDING CODE DATA</b>	L .		ABB	REVIATIONS	
		AI	AIR INTAKE	MD	MAN DOOR
ILDING CODE: 2024 OHIO BUILDING CODE		AT	AIR TERMINAL	MAX	MAXIMUM
		ABC	ABANDONED CURB	MIN	MINIMUM
ND LOAD INFORMATION:		ABD	ABANDONED	OD	OVERFLOW DRAIN
Basic Wind Speed: 115 MPH		ABP	ABANDONED PIPE	PF	PIPE FLASHING
Ground Surface Roughness: C		ANT	ANTENNA MAST	PP	PITCH POCKET
Wind Importance Category: III		СВ	COLLECTOR BOX	PPC	PIPE PENETRATION CURB
		СС	CAPPED CURB	PPL	PORTAL PLUS
E GROUP: High School - E and A3 Middle School - E and A3		СН	CHIMNEY	PSF	POURABLE SEALER FLASHING
Liberty - E and A3		CI	CONTINUOUS INSULATION	RC	RAIL CURB
Heritage - E and A3		CU	CURB	RCL	RIGID CONDUIT LINE
		DA	DAVIT	RD	ROOF DRAIN
ERGY CODE: IECC - 2021		DC	DOWN CONDUCTOR	RG	RAIN GAUGE
MATE ZONE <sup>.</sup> 5A		DS	DOWNSPOUT	RH	ROOF HATCH
		DU	DUCT	RP	ROOFTOP PAD
QUIRED ROOF R-VALUE:		DUS	DUCT SUPPORT	RV	ROOF VENT
Insulation Entirely Above Roof Deck: R-30.0		EB	ELECTRIC BOX	SA	SEALANT POCKET
		EC	ELECTRIC CONDUIT	SB	SPLASH BLOCK
ow Sloped*		EF	EXHAUST FAN	SC	SECURITY CAMERA
Existing Roof Insulation R-Value (3.0" Polyiso. x 5.56 R/ir	n.) = 16.7	EJ	EXPANSION JOINT	SD	SATELLITE DISH
Specified Additional R-Value (2.5" Polyiso. x 5.56 R/in.)	= 13.9	EQ	EQUAL	SDB	SATELLITE DISH BASE
Total Roof Assembly R-Value	= 30.6	ER	ELECTRIC RECEPTACLE	SDS	SELF-DRILLING SCREW
		EV	EXHAUST VENT	SIM	SIMILAR
Specified R-Value (5.4 x 5.56 R/in.)	= 30.0	EXTG	EXISTING	SL	SKYLIGHT
		FRT	FIRE-RETARDANT TREATED	SLP	SLEEPER CURB
		GEJ	GUTTER EXPANSION JOINT	SH	SMOKE HATCH
		GLPF	GAS LINE PIPE FLASHING	STS	SELF-TAPPING SCREW
		GN	GOOSENECK	TBR	TO BE REMOVED
		GU	GUTTER	TBFD	TO BE FIELD DETERMINED
		HP	HOT PIPE	TWD	THROUGH-WALL DRAIN
		LAE	LOUVERED AIR EXHAUST	TWF	THROUGH-WALL FLASHING
		LAI	LOUVERED AIR INTAKE	VP	SANITARY VENT PIPE
		LD	ACCESS LADDER	VS	VENT STACK
		LP	LIGHTNING PROTECTION	W	WALL
		LT	LIGHT	WI	WINDOW
		LV	LOUVER	WS	WEATHER STATION

(





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### ROOF AREA

CODED NOTE EXISTING FENCE

GRASS



### SITE PLAN GENERAL NOTES:

- 1. ALL STAGING, MATERIAL STORAGE AND DUMPSTER LOCATIONS TO HAVE CHAIN LINK FENCE INSTALLED AROUND THEM.
- 2. MAINTAIN EMERGENCY EGRESS AT ALL EXTERIOR DOORS DURING THE WORK.
- 3. CONSTRUCTION SITE FENCING SHALL BE INSTALLED AT THE PERIMETER OF ALL WORK AREAS AND TRAFFIC PATHWAYS TO PREVENT PEDESTRIAN TRAFFIC FROM ENETERING A CONSTRUCTION AREA.
- 4. NO CONSTRUCTION TRAFFIC DURING STUDENT DROP-OFF BETWEEN ?:?? A.M. AND ?:?? A.M. OR STUDENT PICK-UP ?:?? P.M. AND ?:?? P.M.
- 5. ALL DAMAGED GRASS, PAVEMENT, OR SIDEWALK SHALL BE REPAIRED OR REPLACED TO RESTORE IT TO PRECONSTRUCTION CONDITION AT THE COMPLETION OF THE PROJECT.



### SITE PLAN CODED NOTES:

 $\langle 1 \rangle$  CONTRACTOR PARKING AREA

2 MATERIAL STORAGE AND STAGING AREA

 $\langle 3 \rangle$  POTENTIAL DUMPSTER LOCATION  $\overline{(4)}$  STUDENT PICK-UP AND DROP-OFF. NO CONSTRUCTION 1

 $\psi$   $\psi$   $\psi$   $\psi$ 

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

 $\psi \quad \psi \quad \psi$ 

 $\checkmark$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$  $\psi \quad \psi \quad \psi$ 

 $-\psi \quad \psi \quad \psi$ 

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

GENERAL NOTES
1         Design Development Set         04.16.24
No. Revision/Issue Date
CONSTRUCTION
CONSULTING
Mays Consulting &
Evaluation Services, Inc. 201 Pennsylvania Avenue
P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Project:
Project: 2024 ROOF REPLACEMENT PROJECT
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA. OHIO 43314
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314 Metricular Date: 04.10.2024
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY LEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314 Merroved By: DAL Date: 04.10.2024
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY LEMENTARY SCHOOL N32 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314 Merine DAL Date: 04.10.2024 Job No: ROH50-001
Project:   2024 ROOF REPLACEMENT PROJECT   RIVER VALLEY LOCAL   RIVER VALLEY LOCAL   SCHOOLS   LIBERTY   ELEMENTARY SCHOOL   1932 WHETSTONE RIVER RD N   CALEDONIA, OHIO 43314     Pate:   04.10.2024   Job No::   ROH50-001   Scale:   AS NOTED
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314 Date: 04.10.2024 Job No: ROH50-001 Scale: AS NOTED Drawn By: EMD
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314 Marci Date: 04.10.2024 Job No: ROH50-001 Scale: AS NOTED Drawn By: EMD



### ROOF AREA

CODED NOTE

EXISTING FENCE

GRASS



### SITE PLAN GENERAL NOTES:

- 1. ALL STAGING, MATERIAL STORAGE AND DUMPSTER LOCATIONS TO HAVE CHAIN LINK FENCE INSTALLED AROUND THEM.
- 2. MAINTAIN EMERGENCY EGRESS AT ALL EXTERIOR DOORS DURING THE WORK.
- 3. CONSTRUCTION SITE FENCING SHALL BE INSTALLED AT THE PERIMETER OF ALL WORK AREAS AND TRAFFIC PATHWAYS TO PREVENT PEDESTRIAN TRAFFIC FROM ENETERING A CONSTRUCTION AREA.
- 4. NO CONSTRUCTION TRAFFIC DURING STUDENT DROP-OFF BETWEEN ?:?? A.M. AND ?:?? A.M. OR STUDENT PICK-UP ?:?? P.M. AND ?:?? P.M.
- 5. ALL DAMAGED GRASS, PAVEMENT, OR SIDEWALK SHALL BE REPAIRED OR REPLACED TO RESTORE IT TO PRECONSTRUCTION CONDITION AT THE COMPLETION OF THE PROJECT.



 $\langle 3 \rangle$  POTENTIAL DUMPSTER LOCATION  $\langle 4 \rangle$  STUDENT PICK-UP AND DROP-OFF. NO CONSTRUCTION 1

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

NORTH

SITE PLAN CODED NOTES:

 $\langle 1 \rangle$  CONTRACTOR PARKING AREA

 $\langle 2 \rangle$  MATERIAL STORAGE AND STAGING AREA

	GENERAL NOTES
	1         Design Development Set         04.16.24           No.         Revision/Issue         Date
	NOT FOR
	CONSTRUCTION
	Mays Consulting &
	Evaluation Services, Inc.
	P.O. Box 1020 Delaware, Ohio 43015
	740.303.9311
	Project:
	2024 ROOF REPLACEMENT PROJECT
	RIVER VALLEY LOCAL
	HERITAGE
	ELEMENTARY SCHOOL 720 COLUMBUS-SANDUSKY RD S
	MARION, OHIO 43302
	Approved By:
	DAL
	04.10.2024
	ROH50-001
	AS NOTED
	Drawn By: EMD
$\frown$	Sheet No.:
$\checkmark$	

![](_page_4_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHIC LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCA CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PRO VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATION COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWING
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNI WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTIN PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR RI VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PRO THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RC ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL

ROOF SYSTEM	/ COMPOSITIONS	GENERAL NOTES
EXISTING	NEW	
ROOF AREAS C, D1, D2, E, G, I, K, L, N, O, P AND Q: EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK*	ROOF AREAS C, D1, D2, E, G, I, K, L,N, O, P AND Q: THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING EPDM MEMBRANE (A)** EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	
ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4. J1. J2. J3. J4. M1. M2. M3. M4. R1. R2. S1 AND S2:	<u>ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3,</u> H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2;	
ASPHALT SHINGLES (MA) UNDERLAYMENT (MA) VENTED NAILBASE INSULATION (MA) - 1/2" OSB - 3/4" VENT SPACE - 1" POLYISOCYANURATE INSULATION 2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	STANDING SEAM METAL ROOF PANEL (MA) SELF-ADHERING UNDERLAYMENT (SA) 2.7" POLYISOCYANURATE INSULATION (MA) 2.7" POLYISOCYANURATE INSULATION (LL) VAPOR RETARDER (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS A ADHERED L LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING ROOF AREA ?? HAS ACOUSTICAL DECKING	**THE EXISTING ROOF MEMBRANE SHALL BE SLIT AT 5' O.C. BOTH DIRECTIONS.	
ROC	F SYSTEM SQUARE FOOTAGES AND SLOPES:	
ROO	STRUCTURE F AREA SQUARE FOOTAGE SLOPE ELEVATION	
A B1 CAL PURPOSES. THE ACTUAL NUMBER OF CATION AND INSULATION THICKNESS. THE E NUMBER OF LAYERS OF WOOD BLOCKING B4 B5 C OVIDED FOR EVERY CONDITION OR EVERY ONS AND PROVIDE A FLASHING DETAIL THAT GS AND SPECIFICATIONS. E F1 F2	433 $6:12$ $10' - 0"$ 2,196 $6:12$ $10' - 0"$ 760 $6:12$ $17' - 0"$ 1,968 $6:12$ $10' - 0"$ 1,968 $6:12$ $10' - 0"$ 1,768 $6:12$ $10' - 0"$ 1,768 $6:12$ $10' - 0"$ 8,406 $1/4":12$ $14' - 0"$ 1,483 $1/4":12$ $14' - 0"$ 6,650 $1/4":12$ $14' - 0"$ 6,675 $1/4":12$ $30' - 0"$ 2,781 $6:12$ $24' - 0"$ 4,982 $6:12$ $24' - 0"$	1     Design Development Set     04.16.24       No.     Revision/Issue     Date
F3 NDERSIDE OF THE ROOF DECK. THERE IS NO H1	1696:1224' - 0"2,7191/4":1230' - 0"2,2016:1224' - 0"	NOT FOR
H2 NG" AND ARE GRAY SHADED. NO WORK IS H4	1,620 $6:12$ $24' - 0''$ $2,396$ $6:12$ $24' - 0''$ $187$ $6:12$ $24' - 0''$ $17,020$ $1/4'' + 42$ $20' - 0''$	CONSTRUCTION
REFERENCE, BUT THE ACTUAL ROUTING MAY OTECTION STANDARDS. LIGHTNING RODS AT ODS AT THE RIDGE OF THE STEEP SLOPED 3/45.7. K L M1 M2 M3 M4 N N Q P Q R1 R2 S1 S2 TOT/4 * SQ * SQ * RO	17,368 1/4":12 30" - 0" 884 6:12 33" - 4" 6,732 6:12 10' - 0" 123 6:12 14' - 0" 4,830 1/4":12 18' - 0" 6,927 1/4":12 36' - 0" 916 6:12 39' - 4" 6,344 6:12 18' - 0" 96 6:12 18' - 0" 96 6:12 18' - 0" 96 6:12 18' - 0" 96 6:12 18' - 0" 94 66:12 18' - 0" 946 6:12 18' - 0" 94 6 6:12 18' -	<image/> <image/> <image/> <image/> <image/> <image/> <image/> <image/> <image/> <text></text>
	KEY PLAN	<section-header><section-header><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></section-header></section-header>

![](_page_5_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_5_Figure_8.jpeg)

![](_page_5_Picture_10.jpeg)

ROOF SYSTEN	I COMPOSITIONS	GENERAL NOTES
EXISTING	NEW ROOF AREAS C. D1. D3. E. C. L.K. L.N. O. R.AND.O;	
EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK*	THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING EPDM MEMBRANE (A)** EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	
ASPHALT SHINGLES (MA) UNDERLAYMENT (MA) /ENTED NAILBASE INSULATION (MA) - 1/2" OSB - 3/4" VENT SPACE - 1" POLYISOCYANURATE INSULATION 2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2: STANDING SEAM METAL ROOF PANEL (MA) SELF-ADHERING UNDERLAYMENT (SA) 2.7" POLYISOCYANURATE INSULATION (MA) 2.7" POLYISOCYANURATE INSULATION (LL) VAPOR RETARDER (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS A ADHERED L LOOSE-LAID IA MECHANICALLY ATTACHED IA SELF-ADHERING ROOF AREA ?? HAS ACOUSTICAL DECKING	**THE EXISTING ROOF MEMBRANE SHALL BE SLIT AT 5' O.C. BOTH DIRECTIONS.	
ROO	F SYSTEM SQUARE FOOTAGES AND SLOPES: STRUCTURE	
A B1 B2 B3 B4 B5 C D1 D2 E F1 F2 F3 G G H1 H2 H3 H4 I I J1 J2 J3 J4 K L M1 M2 H3 H4 I I J2 S3 S2 TOTA * SQ * SQ * SQ * SQ * RD	AREA         SOUARE FOOTAGE         SLOPE         ELEVATION           433         6:12         10' - 0'         2.196         6:12         10' - 0'           1.968         6:12         10' - 0'         1.968         6:12         10' - 0'           1.968         6:12         10' - 0'         1.968         6:12         10' - 0'           1.968         6:12         10' - 0'         1.463         1/4':12         14' - 0'           1.968         6:12         10' - 0'         1.483         1/4':12         14' - 0'           6.650         1/4':12         30' - 0'         2.761         6:12         24' - 0'           4.982         6:12         24' - 0'         1.620         6:12         24' - 0'           1.620         6:12         24' - 0'         1.620         6:12         24' - 0'           1.7368         1/4':12         30' - 0'         1.620         6:12         24' - 0'           1.87         6:12         24' - 0'         1.87         6:12         14' - 0'           1.87         6:12         14' - 0'         1.633         6:12         14' - 0'           1.83         1/4':12         30' - 0'         1.634         6:12         18'	
	KEY PLAN	<text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text>

![](_page_6_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHIC LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCA CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PRO VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATION COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWING
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UN WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTIN PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR R VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PRO THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RC ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL

![](_page_6_Picture_12.jpeg)

ROOF SYSTEM	A COMPOSITIONS	GENERAL NOTES
EXISTING	NEW	
EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK*	ROOF AREAS C, D1, D2, E, G, I, K, L,N, O, P AND Q:THERMOPLASTIC MEMBRANE (A)2 1/2" POLYISOCYANURATE INSULATION (MA)EXISTING EPDM MEMBRANE (A)**EXISTING EPDM MEMBRANE (A)**EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA)EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA)EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL)EXISTING STEEL ROOF DECK	
ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2:	ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2:	
ASPHALT SHINGLES (MA) UNDERLAYMENT (MA) VENTED NAILBASE INSULATION (MA) - 1/2" OSB - 3/4" VENT SPACE - 1" POLYISOCYANURATE INSULATION 2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	STANDING SEAM METAL ROOF PANEL (MA) SELF-ADHERING UNDERLAYMENT (SA) 2.7" POLYISOCYANURATE INSULATION (MA) 2.7" POLYISOCYANURATE INSULATION (LL) VAPOR RETARDER (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING ROOF AREA ?? HAS ACOUSTICAL DECKING	**THE EXISTING ROOF MEMBRANE SHALL BE SLIT AT 5' O.C. BOTH DIRECTIONS.	
ROC	OF SYSTEM SQUARE FOOTAGES AND SLOPES:	
A ICAL PURPOSES. THE ACTUAL NUMBER OF CATION AND INSULATION THICKNESS. THE IE NUMBER OF LAYERS OF WOOD BLOCKING NOVIDED FOR EVERY CONDITION OR EVERY IONS AND PROVIDE A FLASHING DETAIL THAT GS AND SPECIFICATIONS. INDERSIDE OF THE ROOF DECK. THERE IS NO H1 H2 H3 H4 H4 H4 H4 H4 H4 H4 H4 H4 H4	FAREA         SQUARE FOOTAGE         SLOPE         ELEVATION           433         6:12         10 - 0"         2,196         6:12         17 - 0"           1,968         6:12         10 - 0"         1,968         6:12         10 - 0"           1,968         6:12         10 - 0"         1,968         6:12         10 - 0"           1,968         6:12         10 - 0"         1,483         1/4":12         14 - 0"           6,650         1/4":12         14 - 0"         6,675         1/4":12         30 - 0"           2,781         6:12         24 - 0"         1,699         6:12         24 - 0"           1,620         6:12         24 - 0"         2,396         6:12         24 - 0"           1,620         6:12         24 - 0"         2,396         6:12         24 - 0"           1,620         6:12         24 - 0"         2,396         6:12         24 - 0"           1,620         6:12         24 - 0"         1,23         6:12         14 - 0"           1,620         6:12         14 - 0"         123         6:12         14 - 0"           1,620         1/4":12         30 - 0"         123         6:12         14 - 0" <tr< td=""><td></td></tr<>	
	KEY PLAN	<section-header><text><text><text><text><text><text><text></text></text></text></text></text></text></text></section-header>

![](_page_7_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_7_Figure_8.jpeg)

![](_page_7_Figure_10.jpeg)

					GENERAL NOTES
		REAS C. D1 D2 F G J	KLNOP		
EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK*	THERM 2 1/2" P EXISTIN EXISTIN EXISTIN EXISTIN	OPLASTIC MEMBRANE (A OLYISOCYANURATE INS IG EPDM MEMBRANE (A) IG 1 1/2" POLYISOCYANU IG 1 1/2" POLYISOCYANU IG STEEL ROOF DECK	A) ULATION (MA) ** JRATE INSULA JRATE INSULA	tion (MA) tion (LL)	
<u>ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2:</u>	<u>ROOF AI</u> <u>H4, J1,</u>	REAS A, B1, B2, B3, B4 J2, J3, J4, M1, M2, M3,	, B5, F1, F2, F M4, R1, R2, S	<u>3, H1, H2, H3,</u> 1 AND S2:	
ASPHALT SHINGLES (MA) UNDERLAYMENT (MA) VENTED NAILBASE INSULATION (MA) - 1/2" OSB - 3/4" VENT SPACE - 1" POLYISOCYANURATE INSULATION 2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	STANDI SELF-AI 2.7" POI 2.7" POI VAPOR EXISTIN	NG SEAM METAL ROOF DHERING UNDERLAYME LYISOCYANURATE INSUI LYISOCYANURATE INSUI RETARDER (LL) IG STEEL ROOF DECK	Panel (MA) NT (SA) "Ation (MA) "Ation (LL)		
ABBREVIATIONS					
A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING *ROOF AREA ?? HAS ACOUSTICAL DECKING	**THE E SLIT A	EXISTING ROOF MEMBI	RANE SHALL TIONS.	BE	
ROC	)F SYSTEN	1 SQUARE FOOTAGES	S AND SLOP	ES:	
ROO	FAREA	SQUARE FOOTAGE	STRUCTURE <u>SLOPE</u>	ELEVATION	
A		433	6:12	10' - 0"	1 Design Development Set 04.16.24
B1 B2		2,196 760	6:12 6:12	10' - 0" 17' - 0"	No. Revision/Issue Date
B3 B4		1,968 1,968	6:12 6:12	10' - 0" 10' - 0"	
B5 C		1,768 8,406	6:12 1/4":12	10' - 0" 14' - 0"	
D1 D2		1,483 6,650	1/4":12 1/4":12	14' - 0" 14' - 0"	
E F1		6,675 2 781	1/4":12 6:12	30' - 0" 24' - 0"	
F2		4,982	6:12	24'-0"	
F3 G		2,719	6:12 1/4":12	24 <sup>.</sup> - 0" 30' - 0"	
H1 H2		2,201 1,620	6:12 6:12	24' - 0" 24' - 0"	NOT FOR
H3 H4		2,396 187	6:12 6:12	24' - 0" 24' - 0"	CONSTRUCTION
		17,368	1/4":12	30' - 0"	
J1 J2		884 6,732	6:12 6:12	33' - 4" 10' - 0"	
J3 J4		123 123	6:12 6:12	14' - 0" 14' - 0"	
K		4,830 6 927	1/4":12 1/4" <sup>.</sup> 12	18' - 0" 36' - 0"	
L M1		916	6:12	39' - 4"	
M2 M3		6,344 96	6:12	18' - 0" 18' - 0"	
M4 N		96 4,425	6:12 1/4":12	18' - 0" 15' - 6"	
OP		1,743 2.642	1/4":12 1/4":12	27' - 4" 44' - 0"	
Q B1		1,175	1/4":12	15' - 2" 18' 0"	
R2		946	6:12	18 - 0" 18' - 0"	CONSULTING
S1 S2		946 946	6:12 6:12	18' - 0" 18' - 0"	Maya Canaulting 9
TOTA	AL	107,576			Evaluation Services, Inc.
* SO	UARE FOOT	AGES & SLOPES ARE AF	PROXIMATE		201 Pennsylvania Avenue
* SQ * DO		AGES ACCOUNT FOR R			P.O. Box 1020 Delaware, Ohio 43015
	JI LLVAII	SNOT ON OTLEF SLUPE		, , , , , , , <b>, , , , , , , , , , , , </b>	740.363.9511

![](_page_7_Figure_13.jpeg)

![](_page_7_Figure_14.jpeg)

2024 ROOF REPLACEMENT PROJECT

RIVER VALLEY LOCAL SCHOOLS

![](_page_8_Figure_0.jpeg)

![](_page_8_Picture_3.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHIC LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCA CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PRO VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATION COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWING
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UN WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTIN PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR R VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PRO THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RC ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL

ROOF SYSTEM	A COMPOSITIONS	GENERAL NOTES
EXISTING	NEW	
ROOF AREAS C, D1, D2, E, G, I, K, L, N, O, P AND Q: EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK*	ROOF AREAS C, D1, D2, E, G, I, K, L,N, O, P AND Q: THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING EPDM MEMBRANE (A)** EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	
ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2:	ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3, H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2:	
ASPHALT SHINGLES (MA) UNDERLAYMENT (MA) VENTED NAILBASE INSULATION (MA) - 1/2" OSB - 3/4" VENT SPACE - 1" POLYISOCYANURATE INSULATION 2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	STANDING SEAM METAL ROOF PANEL (MA) SELF-ADHERING UNDERLAYMENT (SA) 2.7" POLYISOCYANURATE INSULATION (MA) 2.7" POLYISOCYANURATE INSULATION (LL) VAPOR RETARDER (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING ROOF AREA ?? HAS ACOUSTICAL DECKING	**THE EXISTING ROOF MEMBRANE SHALL BE SLIT AT 5' O.C. BOTH DIRECTIONS.	
ROC	F SYSTEM SQUARE FOOTAGES AND SLOPES:	
ROO	STRUCTURE F AREA SQUARE FOOTAGE SLOPE ELEVATION	
A ICAL PURPOSES. THE ACTUAL NUMBER OF CATION AND INSULATION THICKNESS. THE IE NUMBER OF LAYERS OF WOOD BLOCKING ROVIDED FOR EVERY CONDITION OR EVERY IONS AND PROVIDE A FLASHING DETAIL THAT GS AND SPECIFICATIONS. INDERSIDE OF THE ROOF DECK. THERE IS NO H1 H2 H2 H3 H4 H4 H4 H4 H4 H4 H4 H4 H4 H4	433         6:12         10' - 0''           2,196         6:12         10' - 0''           760         6:12         17' - 0'           1,968         6:12         10' - 0''           1,968         6:12         10' - 0''           1,968         6:12         10' - 0''           1,968         6:12         10' - 0''           1,768         6:12         10' - 0''           1,483         1/4'':12         14' - 0''           6,650         1/4'':12         14' - 0''           6,675         1/4'':12         30' - 0''           2,781         6:12         24' - 0''           169         6:12         24' - 0''           2,719         1/4'':12         30' - 0''           2,396         6:12         24' - 0''           1,620         6:12         24' - 0''           1,7368         1/4'':12         30' - 0''           187         6:12         14' - 0''           123         6:12         14' - 0''           123         6:12         14' - 0''           4,830         1/4'':12         18' - 0''           96         6:12         18' - 0''           4,425	
	KEY PLAN	<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>

![](_page_9_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_9_Figure_8.jpeg)

![](_page_9_Picture_10.jpeg)

		]	GENERAL NOTES
ROOF SYSTEM	A COMPOSITIONS		
EXISTING	NEW		
ROOF AREAS C, D1, D2, E, G, I, K, L, N, O, P AND Q: EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK*	ROOF AREAS C, D1, D2, E, G, I, THERMOPLASTIC MEMBRANE (A 2 1/2" POLYISOCYANURATE INS EXISTING EPDM MEMBRANE (A) EXISTING 1 1/2" POLYISOCYANU EXISTING 1 1/2" POLYISOCYANU EXISTING STEEL ROOF DECK	K, L,N, O, P AND Q: A) ULATION (MA) )** JRATE INSULATION (MA) JRATE INSULATION (LL)	
<u>ROOF AREAS A, B1, B2, B3, B4, B5, F1, F2, F3, H1, H2, H3,</u> <u>H4, J1, J2, J3, J4, M1, M2, M3, M4, R1, R2, S1 AND S2:</u>	<u>ROOF AREAS A, B1, B2, B3, B4</u> <u>H4, J1, J2, J3, J4, M1, M2, M3,</u>	, B5, F1, F2, F3, H1, H2, H3, M4, R1, R2, S1 AND S2:	
ASPHALT SHINGLES (MA) UNDERLAYMENT (MA) VENTED NAILBASE INSULATION (MA) - 1/2" OSB - 3/4" VENT SPACE - 1" POLYISOCYANURATE INSULATION 2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	STANDING SEAM METAL ROOF SELF-ADHERING UNDERLAYME 2.7" POLYISOCYANURATE INSUI 2.7" POLYISOCYANURATE INSUI VAPOR RETARDER (LL) EXISTING STEEL ROOF DECK	PANEL (MA) ENT (SA) LATION (MA) LATION (LL)	
ABBREVIATIONS			
A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING *ROOF AREA ?? HAS ACOUSTICAL DECKING	**THE EXISTING ROOF MEMBI SLIT AT 5' O.C. BOTH DIREC	RANE SHALL BE TIONS.	
ROC	OF SYSTEM SQUARE FOOTAGES	S AND SLOPES:	
ROO	F AREA SQUARE FOOTAGE	STRUCTURE <u>SLOPE</u> <u>ELEVATION</u>	
A B1	433 2,196	6:12 10' - 0" 6:12 10' - 0"	1         Design Development Set         04.16.24           No.         Revision/Issue         Date
B2 B3	760 1,968	6:12 17' - 0" 6:12 10' - 0"	
B4 B5	1,968 1,768	6:12 10' - 0" 6:12 10' - 0"	
C D1 D2 E F1 F2 F3 G H1 H2 H3 H4 I J1 J2 J3 J4 K L M1 M2 M3	8,406 1,483 6,650 6,675 2,781 4,982 169 2,719 2,201 1,620 2,396 187 17,368 884 6,732 123 123 123 4,830 6,927 916 6,344 96	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	NOT FOR CONSTRUCTION
M4 N O P Q R1 R2 S1 S2 TOTA * S2 * S2 * S2 * R0	96 4,425 1,743 2,642 1,175 946 946 946 946 4L 107,576 UARE FOOTAGES & SLOPES ARE AF UARE FOOTAGES & SLOPES ARE AF UARE FOOTAGES ACCOUNT FOR R OF ELEVATIONS FOR STEEP SLOPE	6:12 18' - 0" 1/4":12 15' - 6" 1/4":12 27' - 4" 1/4":12 44' - 0" 1/4":12 15' - 2" 6:12 18' - 0" 6:12 18' - 0" 6:12 18' - 0" 6:12 18' - 0" 9:12 18' - 0" 9:12 18' - 0" 9:12 18' - 0" 9:12 18' - 0" 12 18' - 0"	Mays Consulting &         Evaluation Services, Inc.         201 Pennsylvania Avenue         P.O. Box 1020         Delaware, Ohio 43015         740.363.9511

![](_page_9_Figure_13.jpeg)

![](_page_9_Figure_14.jpeg)

2024 ROOF REPLACEMENT PROJECT

RIVER VALLEY LOCAL SCHOOLS

![](_page_10_Figure_0.jpeg)

![](_page_11_Figure_0.jpeg)

|--|

ROOF AREA	SQUARE FOOTAGE	<u>SLOPE</u>	ELEVATION
А	8,893	1/4":12"	29' - 8"
В	6,759	1/4":12"	18' - 6"
С	4,522	1/4":12"	15' - 2"
D1	3,448	6":12"	10' - 0"
D2	3,448	6":12"	10' - 0"
E1	3,922	6":12"	10' - 0"
E2	2,250	6":12"	20' - 0"
E3	215	6":12"	10' - 0"
E4	215	6":12"	10' - 0"
F	3,200	1/4":12"	15' - 0"
G	771	1/4":12"	15' - 0"
H1	2,846	6":12"	10' - 0"
H2	3,440	6":12"	10' - 0"
H3	593	6":12"	10' - 0"
1	7,302	1/4":12"	15" - 0"
J1	3,430	6":12"	10' - 0"
J2	2,843	6":12"	10' - 0"
J3	587	6":12"	10' - 0"
K1	2,583	6":12"	10' - 0"
K2	3,458	6":12"	10' - 0"
K3	875	6":12"	10' - 0"
TOTAL	69,698		

![](_page_12_Figure_0.jpeg)

BOOF SYSTEM CO	)MPOSITIONS	╞		GENERAL NOTE	S
EXISTING	NEW				
AREAS A, B, C, AND I:	ROOF AREAS A, B, C, AND I:				
MEMBRANE (A) POLYISOCYANURATE INSULATION (MA) POLYISOCYANURATE INSULATION (LL) NG STEEL ROOF DECK	THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING EPDM MEMBRANE (A) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL)				
AREAS F AND G:	EXISTING STEEL ROOF DECK				
MEMBRANE (A) SOCYANURATE INSULATION - FULLY TAPERED (MA) NG STEEL ROOF DECK	ROOF AREAS F AND G: THERMOPLASTIC MEMBRANE (A)				
<u> NREAS D1, D2, E1, E2, E3, E4, H1, H2, H3,</u> , J3, K1, K2, AND K3:	EXISTING EPDM MEMBRANE (A) EXISTING FULLY TAPERED POLYISOCYANURATE INSULATION (MA) EXISTING STEEL ROOF DECK				
ALT SHINGLES (MA) RLAYMENT (MA) ED NAILBASE INSULATION (MA) " OSB 4" AIRSPACE	<u>ROOF AREAS D1, D2, E1, E2, E3, E4, H1, H2, H3, J1, J2, J3,</u> <u>K1, K2, AND K3:</u> STANDING SEAM METAL BOOF PANELS (MA)				
I/2" POLYISOCYANURATE INSULATION I/2" POLYISOCYANURATE INSULATION NG STEEL ROOF DECK	SELF-ADHERING UNDERLAYMENT (SA) 2.7" POLYISOCYANURATE INSULATION (MA) 2.7" POLYISOCYANURATE INSULATION (LL) VAPOR RETARDER (LL) EXISTING STEEL ROOF DECK				
ABBREVIATIONS					
DHERED DOSE-LAID ECHANICALLY ATTACHED ELF-ADHERING					
		-	1	Design Development Set	04.16
GLITTER (TYP) —			No.	Revision/Issue	Date
		-			

KUUF SYSTEM	SQUARE FOOTAGES	AND SLOPE	ES:

ROOF AREA	SQUARE FOOTAGE	<u>SLOPE</u>	ELEVATION
А	8.893	1/4":12"	29' - 8"
В	6.759	1/4":12"	18' - 6"
C	4.522	1/4":12"	15' - 2"
D1	3,448	6":12"	10' - 0"
D2	3,448	6":12"	10' - 0"
E1	3,922	6":12"	10' - 0"
E2	2,250	6":12"	20' - 0"
E3	215	6":12"	10' - 0"
E4	215	6":12"	10' - 0"
F	3,200	1/4":12"	15' - 0"
G	771	1/4":12"	15' - 0"
H1	2,846	6":12"	10' - 0"
H2	3,440	6":12"	10' - 0"
H3	593	6":12"	10' - 0"
1	7,302	1/4":12"	15" - 0"
J1	3,430	6":12"	10' - 0"
J2	2,843	6":12"	10' - 0"
J3	587	6":12"	10' - 0"
K1	2,583	6":12"	10' - 0"
K2	3,458	6":12"	10' - 0"
K3	875	6":12"	10' - 0"
TOTAL	69,698		

![](_page_12_Figure_6.jpeg)

NOT FOR

CONSTRUCTION

![](_page_13_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_13_Figure_8.jpeg)

![](_page_13_Picture_9.jpeg)

SCALE: 1/16" = 1'-0"

### ROOF SYSTEM SQUARE FOOTAGES AND SLOPES:

![](_page_13_Figure_11.jpeg)

\* SQUARE FOOTAGES & SLOPES ARE APPROXIMATE \* SQUARE FOOTAGES ACCOUNT FOR ROOF SLOPE

# ROOF PLAN - LIBERTY ELEMENTARY SCHOOL - BASE BID #2

ROOF SYSTEN	I COMPOSITIONS	GENERAL NOTES
EXISTING	NEW	
ROOF AREAS A, B, C, AND D: EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL)	ROOF AREAS A, B, C, AND D: THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS		-
A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING		
		Image: state in the state
		Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314
		Approved By: DAL Date: 04.10.2024 Job No.: ROH50-001 Scale: AS NOTED Drawn By: EMD
		Street Name: ROOF PL

![](_page_14_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_14_Figure_8.jpeg)

SLOPE ELEVATION ROOF AREA SQUARE FOOTAGE 1/8":12" 19' - 0" 5,830 9,529 1/8":12" 16' - 6" 8,002 1/8":12" 30' - 0" 26,295 1/8":12" 16' - 6" D

ROOF SYSTEM SQUARE FOOTAGES AND SLOPES:

\* SQUARE FOOTAGES & SLOPES ARE APPROXIMATE \* SQUARE FOOTAGES ACCOUNT FOR ROOF SLOPE

49,656

TOTAL

ROOF SYSTEM	1 COMPOSITIONS	GENERAL NOTES
EXISTING	NEW	
ROOF AREAS A, B, C, AND D: EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL)	ROOF AREAS A, B, C, AND D: THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL BOOE DECK	
ABBREVIATIONS		-
A ADHERED LL LOOSE-LAID		
MA MECHANICALLY ATTACHED SA SELF-ADHERING		
		1         Design Development Set         04.16.2           No.         Revision/Issue         Date
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		CONSTRUCTION
		Mays Consulting &
		201 Pennsylvania Avenue P.O. Box 1020
		Delaware, Ohio 43015 740.363.9511
		SCHOOLS
		1932 WHE ISTONE RIVER RD N CALEDONIA, OHIO 43314
		Date:
		Drawn By:
		LMD Sheet No.:
		A1.1L
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![](_page_15_Figure_0.jpeg)

- IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_15_Figure_8.jpeg)

1 **h** A1.0H S

# SCALE: 1/16" = 1'-0"

### ROOF SYSTEM SQUARE FOOTAGES AND SLOPES:

![](_page_15_Figure_12.jpeg)

\* SQUARE FOOTAGES & SLOPES ARE APPROXIMATE \* SQUARE FOOTAGES ACCOUNT FOR ROOF SLOPE

ROOF PLAN - HERITAGE ELEMENTARY SCHOOL - BASE BID #2

NORTH

ROOF SYSTEM COMPOSITIONS		
EXISTING	NEW	
ROOF AREAS A, B, C, AND D:	ROOF AREAS A, B, C, AND D:	
EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL)	THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS		
A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING		

1         Design Development Set         04.16.24           No.         Revision/Issue         Date
NOT FOR CONSTRUCTION
Mays Consulting &         Evaluation Services, Inc.         201 Pennsylvania Avenue         P.O. Box 1020         Delaware, Ohio 43015         740.363.9511
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL
HERITAGE HERITAGE ELEMENTARY SCHOOL 720 COLUMBUS-SANDUSKY RD S MARION, OHIO 43302
Approved By: DAL
Date: 04.10.2024
Scale:
AS NOTED
EMD R
Sheet Name: ROOF PL ROOF PL

![](_page_15_Picture_18.jpeg)

![](_page_16_Figure_0.jpeg)

- 1. IN THE PROJECT DETAILS, THE WOOD BLOCKING IS SHOWN FOR GRAPHICAL PURPOSES. THE ACTUAL NUMBER OF LAYERS OF WOOD BLOCKING WILL VARY DEPENDING ON THE DETAIL LOCATION AND INSULATION THICKNESS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY AND/OR DETERMINE THE NUMBER OF LAYERS OF WOOD BLOCKING REQUIRED FOR THE PROJECT.
- 2. THE PROJECT DETAILS SHOW THE DESIGN INTENT. DETAILS ARE NOT PROVIDED FOR EVERY CONDITION OR EVERY VARIATION. THE CONTRACTOR SHALL IN FIELD VERIFY FLASHING LOCATIONS AND PROVIDE A FLASHING DETAIL THAT COMPLIES WITH THE DESIGN INTENT SHOWN ON THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 4. SOME AREAS HAVE SPRAY APPLIED ACOUSTICAL INSULATION ON THE UNDERSIDE OF THE ROOF DECK. THERE IS NO WORK SPECIFIED WITH THIS INSULATION.
- 5. IN THE PROJECT DETAILS, EXISTING COMPONENTS ARE LABELED "EXISTING" AND ARE GRAY SHADED. NO WORK IS PLANNED WITH THESE COMPONENTS, UNLESS NOTED OTHERWISE.
- 6. THE EXISTING LIGHTNING PROTECTION CABLE ROUTING IS SHOWN FOR REFERENCE, BUT THE ACTUAL ROUTING MAY VARY AND MUST COMPLY WITH THE CURRENT SPECIFIED LIGHTNING PROTECTION STANDARDS. LIGHTNING RODS AT THE COPING CAP SHALL BE ATTACHED PER DETAIL 2/A4.0. LIGHTNING RODS AT THE RIDGE OF THE STEEP SLOPED ROOFS SHALL PENETRATE THE RIDGE CAP AND BE FLASHED PER DETAIL 3/A5.7.

![](_page_16_Figure_8.jpeg)

ROOF SYSTEM SQUARE FOOTAGES AND SLOPES: ROOF AREA SQUARE FOOTAGE SLOPE ELEVATION 1/8":12" 19' - 0" 5,830 1/8":12" 16' - 6" 9,529 8,002 1/8":12" 30' - 0" 26,295 1/8":12" 16' - 6" D TOTAL 49,656

\* SQUARE FOOTAGES & SLOPES ARE APPROXIMATE \* SQUARE FOOTAGES ACCOUNT FOR ROOF SLOPE

36'-7"

43'-8"

ROOF SYSTEM COMPOSITIONS		
EXISTING	NEW	
ROOF AREAS A, B, C, AND D:	ROOF AREAS A, B, C, AND D:	
EPDM MEMBRANE (A) 1 1/2" POLYISOCYANURATE INSULATION (MA) 1 1/2" POLYISOCYANURATE INSULATION (LL)	THERMOPLASTIC MEMBRANE (A) 2 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (MA) EXISTING 1 1/2" POLYISOCYANURATE INSULATION (LL) EXISTING STEEL ROOF DECK	
ABBREVIATIONS		
A ADHERED LL LOOSE-LAID MA MECHANICALLY ATTACHED SA SELF-ADHERING		

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CONSULTING Mays Consulting &	
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015	
740.363.9511	
2024 ROOF REPLACEMENT	]
RIVER VALLEY LOCAL SCHOOLS	
HERITAGE ELEMENTARY SCHOOL 720 COLUMBUS-SANDUSKY RD S	
MARION, OHIO 43302	
Approved By: DAL Date:	
04.10.2024	
Scale: AS NOTED	
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Drawn By: EMD	

![](_page_16_Picture_14.jpeg)

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_2.jpeg)

![](_page_18_Figure_0.jpeg)

### INSULATION FASTENING PLAN NOTES:

- 1. ANY BOARD THAT IS LOCATED PARTIALLY WITHIN A CORNER OR PERIMETER AREA, THE ENTIRE BOARD SHALL BE FASTENED PER THE MORE STRINGENT FASTENING PATTERN.
- 2. WHERE POSSIBLE, TAPERED INSULATION BOARDS SHALL BE INSTALLED UNDER THE TOP LAYER OF INSULATION.

![](_page_18_Figure_4.jpeg)

![](_page_18_Figure_5.jpeg)

![](_page_18_Picture_7.jpeg)

![](_page_19_Figure_0.jpeg)

![](_page_20_Figure_0.jpeg)

- FASTENED PER THE MORE STRINGENT FASTENING PATTERN.

![](_page_20_Figure_4.jpeg)

MAYS Mays Consulting & Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511

Date

2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL

1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314

DAL 04.10.2024 ROH50-001 AS NOTED EMD A2.0L

![](_page_21_Figure_0.jpeg)

FASTENED PER THE MORE STRINGENT FASTENING PATTERN.

![](_page_21_Figure_4.jpeg)

![](_page_22_Figure_0.jpeg)

### TAPERED INSULATION PLAN CODED NOTES:

- $\langle 1 \rangle$  REMOVE THE EXISTING ROOF INSULATION DOWN TO THE STRUCTURAL DECK IN THIS AREA AND INSTALL NEW TAPERED INSULATION AS SHOWN.
- 2 ADJUST THE ELEVATION OF THE BOTTOM OF THE OVERFLOW SCUPPER TO ACCOMMODATE THE NEW ROOF INSULATION THICKNESS.
- 3 REMOVE THE EXISTING TAPERED INSULATION CRICKET AND INSTALL NEW TAPERED INSULATION CRICKET AS SHOWN.
- 4 APPROXIMATE LOW POINT IN THE ROOF DECK (PER THE ORIGINAL STRUCTURAL DRAWINGS), CONTRACTOR TO FIELD VERIFY AND LOCATE TAPERED INSULATION CRICKETS ALONG THIS LINE.

![](_page_22_Picture_7.jpeg)

![](_page_22_Figure_8.jpeg)

### LEGEND:

ROOF AREA EDGE OF TAPERED

INSULATION BOARD 1/2" PER FOOT

INSULATION

AREA OUT OF SCOPE

STRUCTURAL SLOPE TAPERED INSULATION SLOPE

![](_page_23_Picture_6.jpeg)

1

A3.1HS

### TAPERED INSULATION GENERAL NOTES:

- 1. IN LOCATIONS WHERE FLAT STOCK INSULATION AND TAPERED INSULATION ARE SPECIFIED, A LAYER OF FLAT STOCK INSULATION SHALL BE INSTALLED AS THE TOP LAYER.
- 2. AT EXISTING DRAIN LOCATIONS THAT HAVE BEEN PREVIOUSLY FIELD TAPERED, REMOVE THE ROOF INSULATION (FLAT AND TAPERED) AROUND THE DRAIN BOWL AS REQUIRED TO PROVIDE A SMOOTH SUBSTRATE FOR THE NEW DRAIN SUMP AND/OR FLAT STOCK INSULATION INSTALLATION. DRAIN AND OVERFLOW DRAIN LOCATIONS REQUIRE THE INSTALLATION OF STATIC AND ADJUSTABLE ROOF DRAIN EXTENSIONS TO ACCOMMODATE THE NEW ROOF INSULATION THICKNESS. THE NEW INSULATION SHALL NOT BE FIELD TAPERED.
- 3. ALL TAPERED INSULATION THICKNESSES ARE FOR THE TAPERED INSULATION SYSTEM ONLY.
- 4. JOINTS BETWEEN FILL LAYERS AND TAPERED PANELS SHALL BE OFFSET A MINIMUM OF 6".
- 5. IN LOCATIONS WHERE THE EXISTING MEMBRANE FLASHING AND/OR MEMBRANE STRIPPING PREVENT COMPLETE DRAINAGE, REMOVE THE EXISTING FLASHINGS AND/OR MEMBRANE STRIPPING AT THIS LOCATION TO HELP MINIMIZE PONDING WATER.

### TAPERED INSULATION PLAN CODED NOTES:

![](_page_23_Figure_19.jpeg)

(1) REMOVE THE EXISTING ROOF INSULATION DOWN TO THE STRUCTURAL DECK IN THIS AREA AND INSTALL NEW TAPERED INSULATION AS SHOWN.

 $\langle 2 
angle$  ADJUST THE ELEVATION OF THE BOTTOM OF THE OVERFLOW SCUPPER TO ACCOMMODATE THE NEW ROOF INSULATION THICKNESS.

 $\langle 3 \rangle$  REMOVE THE EXISTING TAPERED INSULATION CRICKET AND INSTALL NEW TAPERED INSULATION CRICKET AS SHOWN.

APPROXIMATE LOW POINT IN THE ROOF DECK (PER THE ORIGINAL STRUCTURAL DRAWINGS), CONTRACTOR TO FIELD VERIFY AND LOCATE TAPERED INSULATION CRICKETS ALONG THIS LINE.

![](_page_23_Picture_25.jpeg)

![](_page_23_Figure_26.jpeg)

![](_page_24_Figure_0.jpeg)

### TAPERED INSULATION GENERAL NOTES: LEGEND: A# ROOF AREA 1. IN LOCATIONS WHERE FLAT STOCK INSULATION AND TAPERED INSULATION ARE SPECIFIED, A LAYER OF FLAT STOCK INSULATION SHALL BE INSTALLED AS THE TOP LAYER. EDGE OF TAPERED INSULATION BOARD 2. AT EXISTING DRAIN LOCATIONS THAT HAVE BEEN PREVIOUSLY FIELD TAPERED, REMOVE THE ROOF INSULATION (FLAT AND TAPERED) AROUND THE DRAIN BOWL AS REQUIRED TO PROVIDE 1/2" PER FOOT A SMOOTH SUBSTRATE FOR THE NEW DRAIN SUMP AND/OR FLAT STOCK INSULATION INSULATION INSTALLATION. DRAIN AND OVERFLOW DRAIN LOCATIONS REQUIRE THE INSTALLATION OF STATIC AND ADJUSTABLE ROOF DRAIN EXTENSIONS TO ACCOMMODATE THE NEW ROOF AREA OUT OF SCOPE INSULATION THICKNESS. THE NEW INSULATION SHALL NOT BE FIELD TAPERED. 3. ALL TAPERED INSULATION THICKNESSES ARE FOR THE TAPERED INSULATION SYSTEM ONLY. STRUCTURAL SLOPE 4. JOINTS BETWEEN FILL LAYERS AND TAPERED PANELS SHALL BE OFFSET A MINIMUM OF 6". TAPERED INSULATION $\rightarrow$ 5. IN LOCATIONS WHERE THE EXISTING MEMBRANE FLASHING AND/OR MEMBRANE STRIPPING SLOPE PREVENT COMPLETE DRAINAGE, REMOVE THE EXISTING FLASHINGS AND/OR MEMBRANE STRIPPING AT THIS LOCATION TO HELP MINIMIZE PONDING WATER.

![](_page_25_Figure_7.jpeg)

![](_page_25_Picture_8.jpeg)

SCALE: 1/16" = 1'-0"

# TAPERED INSULATION PLAN - LIBERTY ELEMENTARY SCHOOL - BASE BID #2

APPROXIMATE LOW POINT IN THE ROOF DECK (PER THE ORIGINAL STRUCTURAL DRAWINGS), CONTRACTOR TO FIELD VERIFY AND LOCATE TAPERED INSULATION CRICKETS ALONG THIS LINE.

 $\langle 1 \rangle$  REMOVE THE EXISTING ROOF INSULATION DOWN TO THE STRUCTURAL

DECK IN THIS AREA AND INSTALL NEW TAPERED INSULATION AS SHOWN.

 $\langle 2 \rangle$  ADJUST THE ELEVATION OF THE BOTTOM OF THE OVERFLOW SCUPPER

TO ACCOMMODATE THE NEW ROOF INSULATION THICKNESS.

TAPERED INSULATION CRICKET AS SHOWN.

 $\langle 3 \rangle$  REMOVE THE EXISTING TAPERED INSULATION CRICKET AND INSTALL NEW

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mays consulting &
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Project:
Project: 201 ROOF REPLACEMENT PROJECT
Project: 2014 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314
Project: RIVER VALLEY LOCAL SCHOOLS LIBERTY ELEMENTARY SCHOOL 1932 WHETSTONE RIVER RD N CALEDONIA, OHIO 43314
Mays Consulting &         Evaluation Services, Inc.         201 Pennsylvania Avenue         P.O. Box 1020         Delaware, Ohio 43015         740.363.9511
Mays Consulting &   Evaluation Services, Inc.   201 Pennsylvania Avenue   P.O. Box 1020   Delaware, Ohio 43015   740.363.9511   Project:   2024 ROOF REPLACEMENT   PROJECT   RIVER VALLEY LOCAL   SCHOOLS   LIBERTY   ELEMENTARY SCHOOL   1932 WHETSTONE RIVER RD N   CALEDONIA, OHIO 43314     Approved By:   04.10.2024     Job No.:   ROH50-001
Images consulting &         Evaluation Services, Inc.         201 Pennsylvania Avenue         P.O. Box 1020         Delaware, Ohio 43015         740.363.9511
Mays Consulting &         Evaluation Services, Inc.         201 Pennsylvania Avenue         P.O. Box 1020         Delaware, Ohio 43015         740.363.9511             Project:         2024 ROOF REPLACEMENT         PROJECT         RIVER VALLEY LOCAL         SCHOOLS         LIBERTY         ELEMENTARY SCHOOL         1932 WHETSTONE RIVER RD N         CALEDONIA, OHIO 43314             Pate:         04.10.2024             Job No:         ROH50-001             Scale:         AS NOTED             Drawn By:         EMD
Mays Consulting &         Evaluation Services, Inc.         201 Pennsylvania Avenue         P.O. Box 1020         Delaware, Ohio 43015         740.363.9511             Project:         2024 ROOF REPLACEMENT         RIVER VALLEY LOCAL         SCHOOLS         LIBERTY         ELEMENTARY SCHOOL         1932 WHETSTONE RIVER RD N         CALEDONIA, OHIO 43314             Date:         04.10.2024             Job No::         ROH50-001             Scale:         AS NOTED             Drawn By:             EMD             State:             AS.OLE

### LEGEND:

ROOF AREA EDGE OF TAPERED

INSULATION BOARD

1/2" PER FOOT INSULATION

AREA OUT OF SCOPE

STRUCTURAL SLOPE

TAPERED INSULATION SLOPE

![](_page_26_Picture_5.jpeg)

A#

TAPERED INSULATION GENERAL NOTES:

- 1. IN LOCATIONS WHERE FLAT STOCK INSULATION AND TAPERED INSULATION ARE SPECIFIED, A LAYER OF FLAT STOCK INSULATION SHALL BE INSTALLED AS THE TOP LAYER.
- 2. AT EXISTING DRAIN LOCATIONS THAT HAVE BEEN PREVIOUSLY FIELD TAPERED, REMOVE THE ROOF INSULATION (FLAT AND TAPERED) AROUND THE DRAIN BOWL AS REQUIRED TO PROVIDE A SMOOTH SUBSTRATE FOR THE NEW DRAIN SUMP AND/OR FLAT STOCK INSULATION INSTALLATION. DRAIN AND OVERFLOW DRAIN LOCATIONS REQUIRE THE INSTALLATION OF STATIC AND ADJUSTABLE ROOF DRAIN EXTENSIONS TO ACCOMMODATE THE NEW ROOF INSULATION THICKNESS. THE NEW INSULATION SHALL NOT BE FIELD TAPERED.
- 3. ALL TAPERED INSULATION THICKNESSES ARE FOR THE TAPERED INSULATION SYSTEM ONLY.
- 4. JOINTS BETWEEN FILL LAYERS AND TAPERED PANELS SHALL BE OFFSET A MINIMUM OF 6".
- 5. IN LOCATIONS WHERE THE EXISTING MEMBRANE FLASHING AND/OR MEMBRANE STRIPPING PREVENT COMPLETE DRAINAGE, REMOVE THE EXISTING FLASHINGS AND/OR MEMBRANE STRIPPING AT THIS LOCATION TO HELP MINIMIZE PONDING WATER.

### TAPERED INSULATION PLAN CODED NOTES:

EQUIPMENT YARD  $\bigcirc$ 3 > TYP ALONG THIS DRAIN LINE RD  $\bigcirc$ RD X B RDX RD ( RD vР

![](_page_26_Picture_18.jpeg)

# TAPERED INSULATION PLAN - HERITAGE ELEMENTARY SCHOOL - BASE BID #2

![](_page_26_Figure_21.jpeg)

APPROXIMATE LOW POINT IN THE ROOF DECK (PER THE ORIGINAL STRUCTURAL DRAWINGS), CONTRACTOR TO FIELD VERIFY AND LOCATE TAPERED INSULATION CRICKETS ALONG THIS LINE.

(1) REMOVE THE EXISTING ROOF INSULATION DOWN TO THE STRUCTURAL DECK IN THIS AREA AND INSTALL NEW TAPERED INSULATION AS SHOWN.

 $\langle 2 \rangle$  ADJUST THE ELEVATION OF THE BOTTOM OF THE OVERFLOW SCUPPER TO ACCOMMODATE THE NEW ROOF INSULATION THICKNESS.

 $\bigcirc$  REMOVE THE EXISTING TAPERED INSULATION CRICKET AND INSTALL NEW TAPERED INSULATION CRICKET AS SHOWN.

GENERAL NOTES	1
	-
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MAYS	
CONSULTING Mays Consulting &	
<u>Evaluation Services, Inc.</u> 201 Pennsylvania Avenue	
P.O. Box 1020 Delaware, Ohio 43015 740.363.9511	
Project: 2024 ROOF REPLACEMENT	]
PROJECT RIVER VALLEY LOCAL	
SCHOOLS	
	1
TERITAGE ELEMENTARY SCHOOL 720 COLUMBUS-SANDUSKY RD S MARION, OHIO 43302	
Approved By:	]
Approved By: DAL	
Approved By: DAL Date: 04.10.2024	
Approved By: DAL Date: 04.10.2024 Scale:	
Approved By: DAL Date: 04.10.2024 Job No.: ROH50-001 Scale: AS NOTED	
Approved By: DAL Date: 04.10.2024 Job No.: ROH50-001 Scale: AS NOTED Drawn By: EMD	
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![](_page_27_Figure_0.jpeg)

![](_page_27_Figure_1.jpeg)

![](_page_27_Figure_2.jpeg)

Image:
Mays Consulting & <u>Evaluation Services, Inc.</u> 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL
Approved By: DAL Date: 04.10.2024 Job No.: ROH50-001 Scale: AS NOTED
LEMD Sheet No.: Sheet Name: LADE KED INSUI

GENERAL NOTES

TERMINATION OF ROOF FLASHINGS

![](_page_28_Figure_0.jpeg)

![](_page_28_Figure_1.jpeg)

![](_page_28_Figure_2.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_29_Figure_1.jpeg)

![](_page_29_Figure_2.jpeg)

![](_page_29_Figure_3.jpeg)

![](_page_29_Picture_6.jpeg)

![](_page_30_Figure_0.jpeg)

![](_page_31_Figure_0.jpeg)

![](_page_31_Picture_2.jpeg)

![](_page_31_Picture_4.jpeg)

![](_page_31_Picture_5.jpeg)

![](_page_31_Picture_6.jpeg)

![](_page_32_Figure_0.jpeg)

![](_page_33_Figure_0.jpeg)

![](_page_33_Figure_1.jpeg)

![](_page_34_Figure_0.jpeg)

![](_page_34_Figure_3.jpeg)

![](_page_35_Figure_0.jpeg)

![](_page_35_Figure_1.jpeg)

![](_page_35_Figure_8.jpeg)

![](_page_36_Figure_0.jpeg)

![](_page_37_Figure_0.jpeg)

![](_page_37_Figure_13.jpeg)

![](_page_37_Figure_14.jpeg)

![](_page_37_Figure_15.jpeg)

ATTACHMENT SUBSTRATE	PERIMETER FASTENER SPACING (MAXIMUM)	CORNER FASTENER SPACING (MAXIMUM)	FASTENER TYPE AND SIZE
STRUCTURAL CONCRETE	12" O.C.	12" O.C.	CONCRETE SCREW MIN. #14 DIA 1-1/4" MIN. EMBEDMENT
GROUTED CMU	4' O.C.	2' O.C.	3/8" DIA. ANCHOR BOLTS - 6" MIN. EMBEDMENT
STEEL DECK	12" O.C.	12" O.C.	MIN. #12 ROOFING SCREW - 3/4" MIN. PENETRATION
WOOD	12" O.C.	6" O.C.	MIN. #10 WOOD SCREW - 1-1/2" MIN. PENETRATION

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Additional Nailer —

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## NAILER ATTACHMENT DETAIL

SCALE: NONE

2

A4.10

5. ALL NEW AND EXISTING NAILERS SHALL BE FASTENED PER THIS DETAIL. IF THE NAILER IS EXISTING AND SPECIFIED TO BE RE-USED, THE ADDITIONAL SECUREMENT WILL BE ON A CHANGE ORDER BASIS.

- EACH NAILER END.
- 4. A MAXIMUM OF TWO (2) LAYERS CAN BE FASTENED AT ONE TIME AFTER THE INSTALLATION OF THE FIRST NAILER.

- 3. TWO (2) FASTENERS SHALL BE INSTALLED WITHIN 4" OF
- 2. FASTENERS IN 6" OR WIDER (NOMINAL) LUMBER SHALL BE INSTALLED IN TWO (2) ROWS, STAGGERED 1/3 OF NAILER WIDTH.
- 1. ALL PERIMETER NAILERS SHALL BE A MINIMUM OF 2" x 6".
- NOTES:

![](_page_38_Picture_17.jpeg)

2" MIN. TYP.

![](_page_38_Figure_18.jpeg)

- HOT-AIR WELD (PERIMETER) - BONDING ADHESIVE (CENTER) - THERMOPLASTIC FIELD MEMBRANE

AT PERIMETER

- MEMBRANE MANUFACTURERS WALKWAY MEMBRANE FULLY ADHERED WITH HOT-AIR WELDED

![](_page_38_Picture_24.jpeg)

2024 ROOF REPLACEMENT PROJECT

RIVER VALLEY LOCAL SCHOOLS

DAL

04.10.2024

ROH50-001

AS NOTED

EMD

A4.10

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Drawn By:

![](_page_38_Picture_25.jpeg)

NOT FOR CONSTRUCTION

![](_page_38_Picture_27.jpeg)

![](_page_39_Figure_0.jpeg)

![](_page_40_Figure_0.jpeg)

![](_page_40_Figure_1.jpeg)

![](_page_41_Figure_0.jpeg)

![](_page_42_Figure_0.jpeg)

![](_page_42_Figure_1.jpeg)

SELF-ADHERING UNDERLAYMENT - VAPOR RETARDER

 EXISTING
 ROOF DECK · VAPOR RETARDER 

![](_page_42_Figure_5.jpeg)

![](_page_43_Figure_0.jpeg)

- FOR HIP CAP LAPS AND DETAIL -/-- FOR RIDGE CAP LAPS.
- REQUIRED FOR PRE-DRILLING.

![](_page_43_Figure_5.jpeg)

![](_page_44_Figure_0.jpeg)

![](_page_44_Figure_1.jpeg)

![](_page_44_Figure_2.jpeg)

![](_page_45_Figure_0.jpeg)

![](_page_45_Figure_1.jpeg)

![](_page_45_Figure_7.jpeg)

![](_page_45_Picture_9.jpeg)

![](_page_46_Figure_0.jpeg)

SCALE: NONE A5.7

![](_page_46_Figure_7.jpeg)

![](_page_46_Figure_15.jpeg)

STANDING SEAM METAL PANELS

![](_page_46_Picture_16.jpeg)

![](_page_47_Figure_0.jpeg)

![](_page_47_Picture_1.jpeg)

![](_page_47_Picture_2.jpeg)

![](_page_48_Figure_0.jpeg)

![](_page_48_Picture_6.jpeg)

![](_page_49_Figure_0.jpeg)

MAYS CONSULTING Mays Consulting & Evaluation Services, Inc. 201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL SCHOOLS DAL 04.10.2024 ROH50-001 AS NOTED Drawn By EMD A6.0

![](_page_49_Picture_8.jpeg)

Design Development Set 04.16.2 Revision/Issue Date

![](_page_50_Figure_0.jpeg)

![](_page_50_Figure_1.jpeg)

![](_page_50_Picture_2.jpeg)

![](_page_50_Picture_3.jpeg)

![](_page_50_Picture_4.jpeg)

![](_page_50_Picture_6.jpeg)

VERLAP AND SOLDER	
OTES: END DAMS SHALL BE SHOP FABRICATED. THE SELF-ADHERED FLASHING MATERIAL	Image: Development Set     04.16.24       No.     Revision/Issue     Date
WALL DETAIL	NOT FOR CONSTRUCTION
	Kays Consulting & Evaluation Services, Inc.201 Pennsylvania Avenue P.O. Box 1020 Delaware, Ohio 43015 740.363.9511
TRIM HEM TO ALLOW TO INTERLOCK METAL LAP SEALANT	Project: 2024 ROOF REPLACEMENT PROJECT RIVER VALLEY LOCAL
OVERLAP 4" - NO FASTENCERS IN OVERLAP TRIM HEM TO ALLOW TO INTERLOCK	Approved By: DAL Date: 04.10.2024 Job No.: ROH50-001 Scale: AS NOTED Drawn By: EMD
WALL FLASHING FIELD JOINT DETAIL	Sheet No:: BETAILS - AIR DETAILS - AIR