Marion County ATC Partial Roof Replacement

Lebanon, Kentucky

for the

Marion County Board of Education

755 East Main Street Lebanon, Kentucky 40033
p 270.692.3721

BG # 24-118

RTA # 23044

rosstarrant
architects

101 old lafayette avenue
lexington, kentucky 40502
p 859.254.4018
www.rosstarrant.com

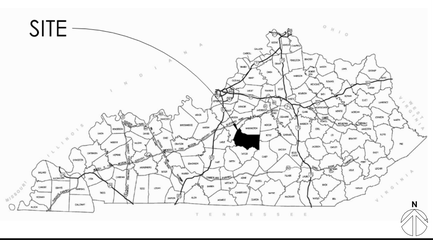
enhancing education through great design

PROJECT SITE ADDRESS:

721 East Main Street
Lebanon, Kentucky
40033

VICINITY MAP

PROJECT VICINITY MAP



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COVER SHEET
MARION COUNTY ATC PARTIAL ROOF REPLACMENT
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

BG# 24-118

Project No:	23044
Drawn By:	SS/RAB
Rev'd By:	RSB / DS

SHEET RELEASE

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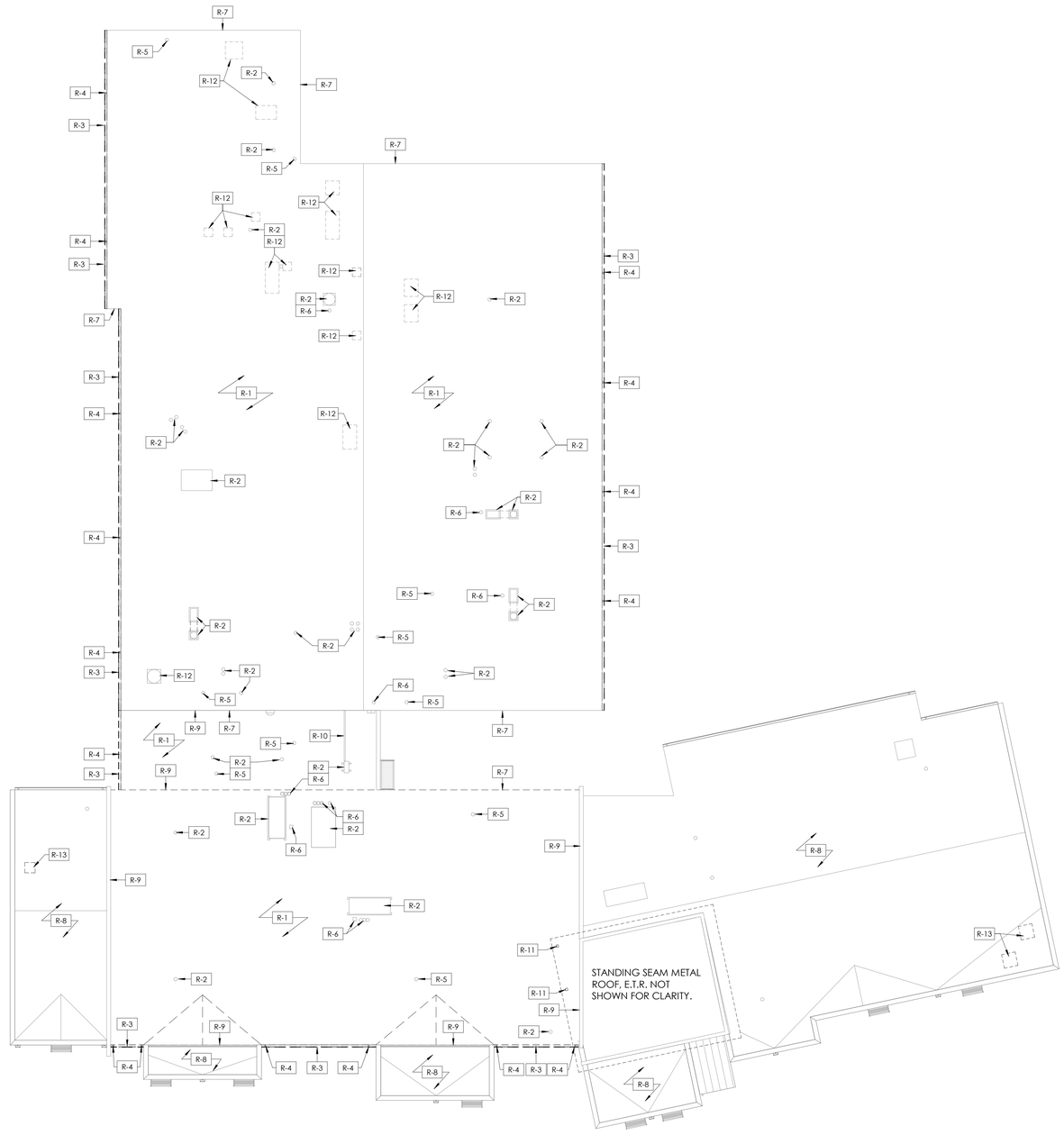
COVER SHEET

DATE ISSUED:
DECEMBER 7, 2023

REVISIONS

#	DATE	DESCRIPTION



ROOF DEMOLITION PLAN
1/16" = 1'-0"
A
D3.1

ROOF DEMOLITION NOTES

1. THESE DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK WHETHER SHOWN HERE OR NOT.
2. DRAWINGS ARE BASED UPON PARTIAL BUILDING PLANS PROVIDED BY OWNER AND UPON FIELD OBSERVATION.
3. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE INSTALLATION OF THE NEW ROOFING SYSTEM. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
4. THE BUILDING IS TO BE OCCUPIED DURING DEMOLITION AND PLACEMENT OF THE NEW ROOFING SYSTEM. THE OWNER IS TO HAVE COMPLETE USE OF THE FACILITIES EXCEPT FOR LIMITED AREAS AT LIMITED PERIODS OF TIME.
5. COORDINATE REMOVAL AND REINSTALLATION OF ROOF TOP STRUCTURES AND EQUIPMENT WITH OTHERS AS REQUIRED TO INSTALL NEW ROOFING SYSTEM. SEE DETAILS INDICATED ON NEW ROOF PLAN FOR ADDITIONAL INFORMATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR EXTENDING ALL UTILITIES AND DUCTWORK AS REQUIRED TO RECONNECT EQUIPMENT FOR COMPLETE INSTALLATION. ALL MECHANICAL AND ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL, STATE, AND LOCAL BUILDING CODES.
6. THE CONTRACTOR IS TO MAINTAIN BUILDING IN A WEATHER-TIGHT CONDITION AGAINST INCLEMENT WEATHER AT ALL TIMES.
7. ANY ITEM NOT DESIGNATED AS "EXISTING" SHALL BE ASSUMED TO BE NEW.
8. CONTRACTOR IS TO VERIFY ALL EXISTING SLOPES PRIOR TO INSTALLATION OF NEW ROOFING.
9. ALL EXISTING ROOF TOP EQUIPMENT IS TO REMAIN UNLESS OTHERWISE NOTED.

ROOF DEMOLITION NOTES

R-1	REMOVE AND DISPOSE OF EXISTING ROOFING AND INSULATION DOWN TO EXISTING DECK.
R-2	EXISTING VENTS, EQUIPMENT OR OTHER ROOFTOP PENETRATIONS TO REMAIN, U.N.O. REMOVE ANY PIPE BOOTS, FLASHING, AND SEALANTS AROUND EQUIPMENT. RAISE TO RECEIVE NEW ROOFING AND INSULATION SYSTEM. REFER TO NEW WORK PLAN FOR FURTHER INFORMATION.
R-3	REMOVE EXISTING GUTTER IN ITS ENTIRETY.
R-4	REMOVE EXISTING DOWNSPOUT IN ITS ENTIRETY. PATCH AND REPAIR WALL SURFACE WHERE DOWNSPOUT IS REMOVED.
R-5	REMOVE EXISTING ABANDONED VTR. REFER TO NEW WORK PLANS FOR MORE INFORMATION.
R-6	REMOVE EXISTING ROOF PENETRATION PAN AND/OR OTHER FLASHING AT ROOF PENETRATION. REFER TO THE NEW WORK PLANS FOR FURTHER INFORMATION.
R-7	REMOVE EXISTING METAL FASCIA/COPING. COORDINATE WITH NEW WORK.
R-8	EXISTING ROOF TO REMAIN. EXISTING ROOF IS CURRENTLY UNDER WARRANTY. ALL NEW WORK TO BE PERFORMED SHALL NOT VOID EXISTING WARRANTY.
R-9	REMOVE EXISTING TERMINATION BAR/COUNTER FLASHING/REGLET IN ITS ENTIRETY.
R-10	EXISTING ELECTRICAL LINE TO REMAIN. RAISE TO ACCOMODATE NEW INSULATION THICKNESS.
R-11	EXISTING DOWNSPOUT TO REMAIN. SHORTEN TO ACCOMODATE NEW INSULATION THICKNESS.
R-12	REMOVE EXISTING ABONDONED ROOF CURB OR EQUIPMENT AND PREPARE EXISTING DECK TO RECEIVE NEW WORK. REFER TO THE NEW WORK PLANS FOR FURTHER INFORMATION.
R-13	PATCH AND REPAIR BUBBLE IN EXISTING FOAM ROOF SYSTEM. REFER TO NEW WORK PLANS FOR MORE INFORMATION.

CORE SAMPLES

1	CORE #1 – METAL DECK, 5/8" GYPSUM BOARD, 2 LAYERS +/- 1-1/2" RIGID POLYISO INSULATION, 5/8" RECOVERY BOARD, +/- 2" POLYURETHANE FOAM, +/- 25MIL SILICONE COATING
2	CORE #2 – METAL DECK, 5/8" GYPSUM BOARD, 2 LAYERS +/- 1-1/2" RIGID POLYISO INSULATION, 5/8" RECOVERY BOARD, +/- 2" POLYURETHANE FOAM, +/- 25MIL SILICONE COATING
3	CORE #3 – METAL DECK, 5/8" GYPSUM BOARD, 2 LAYERS +/- 1-1/2" RIGID POLYISO INSULATION, 5/8" RECOVERY BOARD, +/- 2" POLYURETHANE FOAM, +/- 25MIL SILICONE COATING

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RANDY S. BROOKS, JR.
REGISTERED
No. 5441
COMMONWEALTH OF KENTUCKY
ARCHITECT

ROOF DEMOLITION PLAN

MARION COUNTY ATC PARTIAL ROOF REPLACMENT
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

BG# 24-118

Project No:	23044
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ROOF DEMOLITION PLAN

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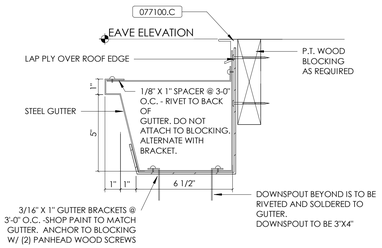
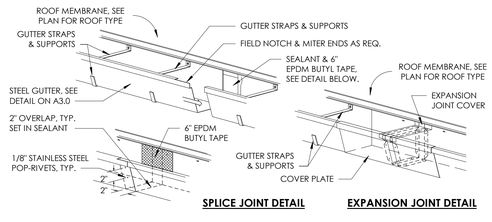
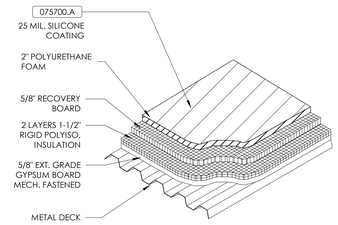


GUTTER DETAIL - SBS LWIC (N / A3.0)
N.T.S.

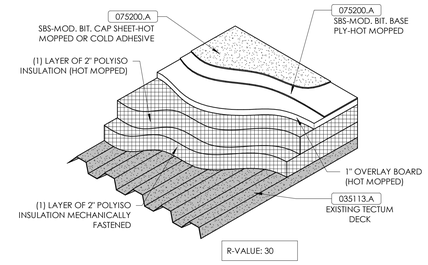


TYP. GUTTER EXP. & SPLICE JOINT (H / A3.0)
1" = 1'-0"



ROOF TYPE 2: SILICONE COATING OVER POLYURETHANE FOAM, RECOVERY BOARD, RIGID POLYISO INSULATION, AND EXT. GRADE GYPSUM BOARD OVER METAL ROOF DECK. REFER TO ROOF SYSTEM GRAPHIC ABOVE. REFER TO ROOF PLAN FOR ROOF SLOPES AND EDGE CONDITIONS. REFER TO THE SPECIFICATIONS FOR WIND UPLIFT AND RESISTANCE RATINGS AND WARRANTY REQUIREMENTS.

FOAM ROOF - EXISTING (C / A3.0)
N.T.S.



ROOF TYPE 1: SYSTEM - 2-PLY SBS W/ GRANULAR CAP SHEET 075200.A OVER 1" OVERLAY BOARD, OVER (2) LAYERS OF 2" POLYISO INSULATION. METAL DECK. FOR GRAPHIC INFORMATION SEE DETAIL ABOVE. REFER TO THE ROOF PLAN FOR ROOF SLOPES AND EDGE CONDITIONS. REFER TO THE SPECIFICATIONS FOR WIND UPLIFT, FIRE RESISTANCE RATINGS, AND WARRANTY REQUIREMENTS.

ROOF TYPE - SBS POLYISO (B / A3.0)
N.T.S.

MATERIAL REFERENCE

035113.A	Cementitious Wood Fiber Deck
061000.A	Wood Blocking
075200.A	SBS-Modified Bituminous Membrane Roofing System
075700.A	Coated Foam Roofing System
076200.B	Sheet Metal Trim
077100.C	Drip Edge
077100.D	Reglet/Counter Flashing
077100.K	Pipe Support
079005.A	Joint Sealant

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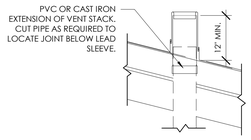
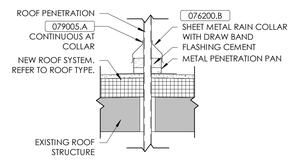
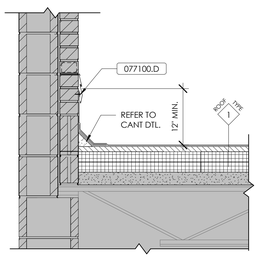


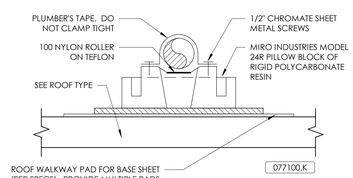
TYPICAL VTR EXTENSION (M / A3.0)
N.T.S.



TYP. ROOF PENETRATION DETAIL - SBS (G / A3.0)
N.T.S.



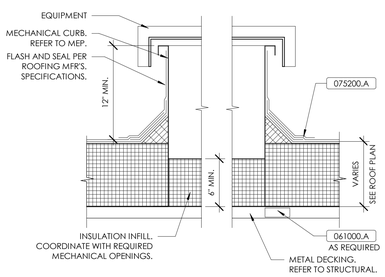
ROOF TO WALL TRANSITION (L / A3.0)
N.T.S.



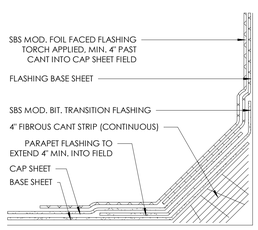
PIPE SIZE	SUPPORT SPACING
3/4"	6'-0"
1"	7'-0"
1-1/4"	8'-0"
1-1/2"	9'-0"
2" & UP	10'-0"

TYP. PIPING SUPPORT DETAIL (F / A3.0)
N.T.S.

REFERENCE ROOF PLAN (A / A3.0)
1/16" = 1'-0"



METAL CURB DETAIL - SBS POLYISO (K / A3.0)
1 1/2" = 1'-0"



CANT DETAIL - SBS POLYISO (E / A3.0)
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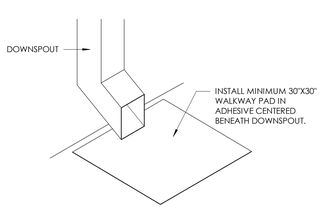
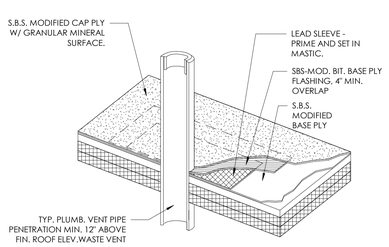


TYP. MEMBRANE SPLASH PAD (J / A3.0)
N.T.S.



TYP. WASTE STACK DETAIL (D / A3.0)
N.T.S.

ROOF NOTES

#	
1	GUTTER. SEE DETAIL x/Ax.x. (074113) (076200) (077123)
2	DOWNSPOUT. SEE DETAIL x/Ax.x. (074113) (076200) (077123)
3	SPLASH PAD. SEE DETAIL x/Ax.x.
4	ROOFTOP MECHANICAL EQUIPMENT CURB. SEE DETAIL x/Ax.x. RAISE RTU ON RAILS SYSTEM AS NEEDED TO ROOF BELOW. RAISE TO RECEIVE NEW ROOFING AND INSULATION SYSTEM.
5	CRICKET/SADDLE SLOPED TO 1/4" PER 1'-0" FOR POSITIVE DRAINAGE.
6	FASCIA. SEE DETAIL x/Ax.x.
7	COPING. SEE DETAIL x/Ax.x.
8	EXISTING ROOF TO REMAIN. EXISTING ROOF IS CURRENTLY UNDER WARRANTY. ALL NEW WORK TO BE PERFORMED SHALL NOT VOID EXISTING WARRANTY.
9	RAKE EDGE. SEE DETAIL x/Ax.
10	PATCH AND REPAIR EXISTING DECK WHERE ABANDONED ROOF CURB, EQUIPMENT, OR VTR ARE REMOVED. SEE DETAIL x/Ax.x.
11	PROVIDE NEW ROOF PENETRATION PAN AT ROOF PENETRATION. SEE DETAIL x/Ax.x.
12	REGLET AND COUNTERFLASHING. SEE DETAIL x/Ax.x.
13	PATCH AND REPAIR BUBBLE IN EXISTING ROOF PER MANUFACTURER'S STANDARDS. REFER TO ROOF TYPE 2 FOR EXISTING ROOF TYPE.
16	EXPANSION JOINT. SEE DETAIL x/Ax.x.

GENERAL ROOF NOTES

1. DRAWINGS ARE BASED UPON PARTIAL BUILDING PLANS PROVIDED BY OWNER AND UPON FIELD OBSERVATION.
2. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIVISIONS AND CONDITIONS PRIOR TO THE INSTALLATION OF THE NEW ROOFING SYSTEM. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
3. THE BUILDING IS TO BE OCCUPIED DURING CONSTRUCTION. THE OWNER IS TO HAVE COMPLETE USE OF THE FACILITIES EXCEPT FOR LIMITED AREAS AT LIMITED PERIODS OF TIME.
4. COORDINATE REMOVAL AND/OR INSTALLATION OF ROOF TOP STRUCTURES AND EQUIPMENT WITH OTHERS AS REQUIRED TO INSTALL NEW ROOFING SYSTEM. SEE DETAILS INDICATED ON NEW ROOF PLAN FOR ADDITIONAL INFORMATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR EXTENDING ALL UTILITIES AND DUCTWORK AS REQUIRED TO RECONNECT EQUIPMENT FOR COMPLETE INSTALLATION. ALL MECHANICAL AND ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL, STATE, AND LOCAL BUILDING CODES.
5. THE CONTRACTOR IS TO MAINTAIN THE BUILDING IN A WEATHER TIGHT CONDITION AGAINST INCLEMENT WEATHER AT ALL TIMES.
6. ANY ITEM NOT DESIGNATED AS "EXISTING" SHALL BE ASSUMED TO BE NEW.
7. FIELD VERIFY LOCATION PROPOSED FOR ALL DOWNSPOUTS TO ENSURE LOCATION FOR ATTACHMENT AND APPROPRIATE LOCATION TO DISCHARGE WATER TO CONC. SPLASH BLOCK ON GRADE, OR UNDERGROUND STORM PIPE AS SHOWN ON SITE DRAWINGS.
8. DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK, WHETHER SHOWN OR NOT SHOWN HERE.

ROOF LEGEND

REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

RD	ROOF DRAIN.	
ERD	EMERGENCY ROOF DRAIN.	
RL	ROOF LADDER.	
RH	ROOF HATCH.	
WP	WALKWAY PAD.	
VTR	VENT THROUGH ROOF.	
RTU	ROOF TOP UNIT.	

REEFERENCE ROOF PLAN & DETAILS
FOR:
MARION COUNTY ATC PARTIAL ROOF REPLACMENT
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

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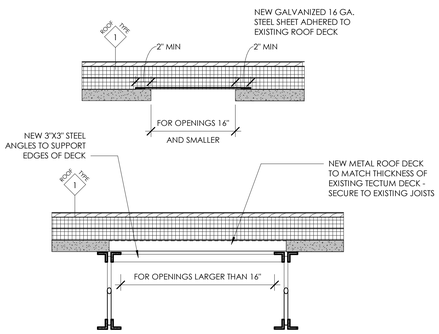
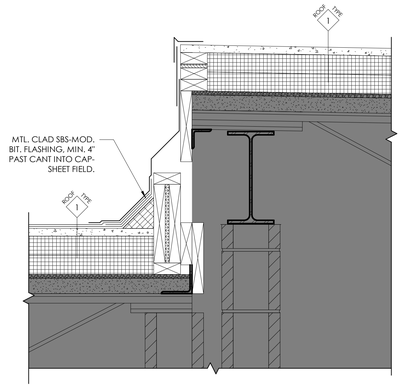


DECK INFILL DETAIL (H / A3.1)
N.T.S.



EXPANSION JOINT DETAIL (G / A3.1)
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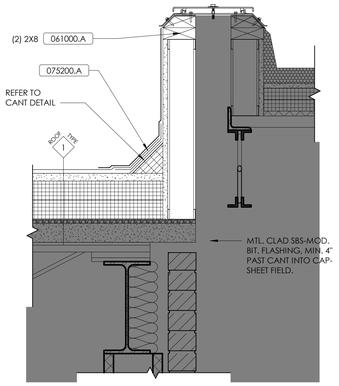

EXPANSION JOINT DETAIL (F / A3.1)
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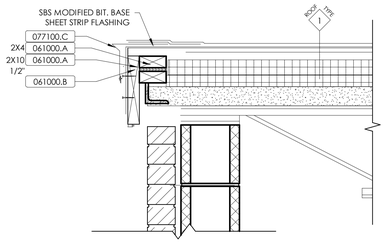

RAKE EDGE DETAIL (E / A3.1)
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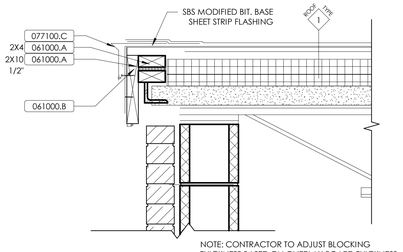

NOTE: CONTRACTOR TO ADJUST BLOCKING THICKNESS BASED ON OVERLAY BOARD THICKNESS TO BE INSTALLED

PEAK EDGE DETAIL (C / A3.1)
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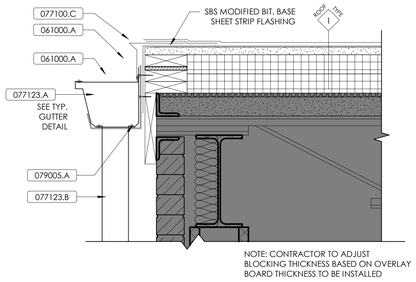
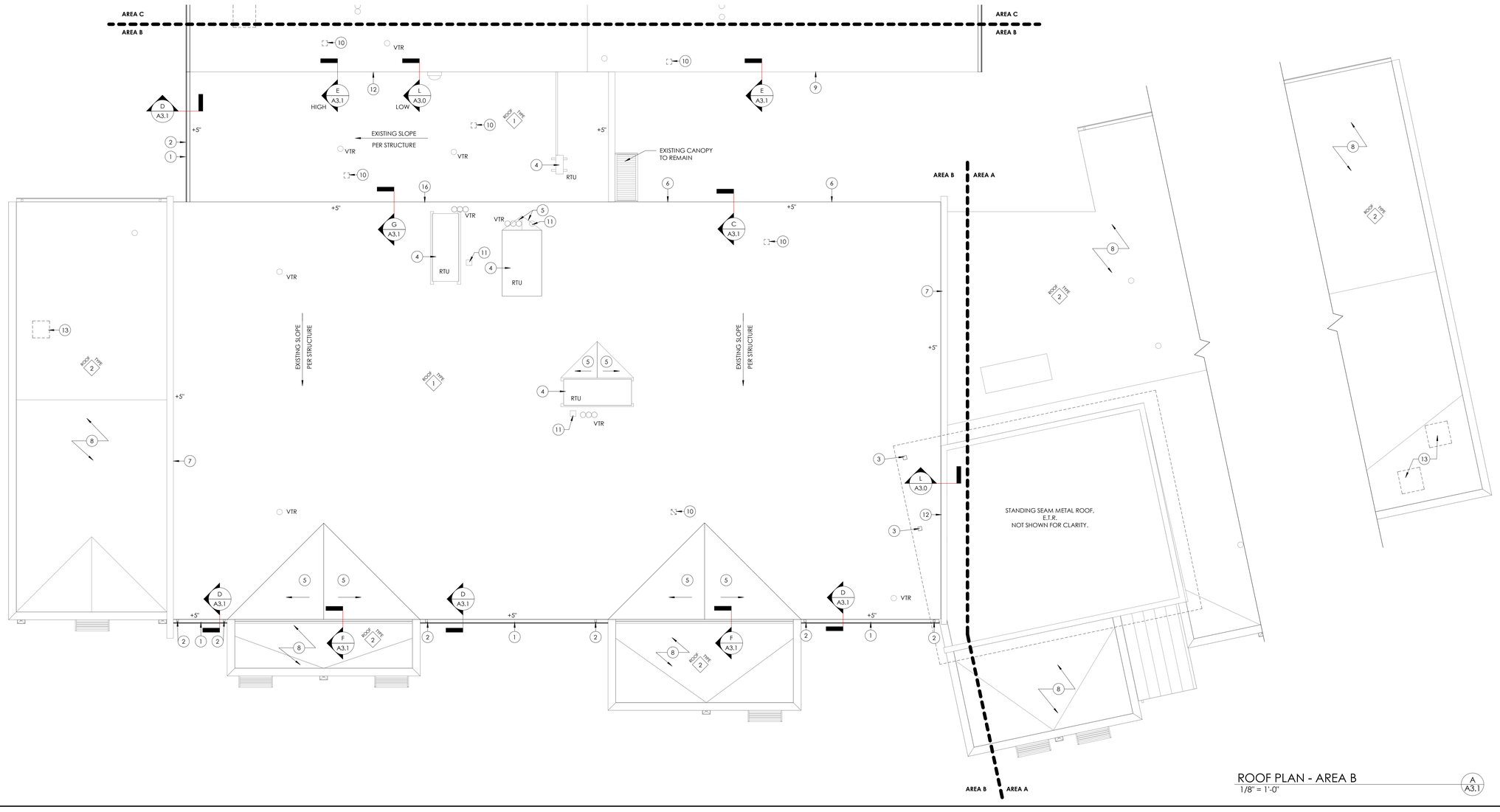


NOTE: CONTRACTOR TO ADJUST BLOCKING THICKNESS BASED ON OVERLAY BOARD THICKNESS TO BE INSTALLED

GUTTER EDGE DETAIL (D / A3.1)
N.T.S.



ROOF PLAN - AREA B (A / A3.1)
1/8" = 1'-0"

MATERIAL REFERENCE

061000.A	Wood Blocking
061000.B	Plywood Sheathing
075200.A	SBS-Modified Bituminous Membrane Roofing System
077100.C	Drip Edge
077123.A	Gutter
077123.B	Downspout
079005.A	Joint Sealant

ROOF NOTES

#	
1	GUTTER. SEE DETAIL x/Ax.x. (074113) (076200) (077123)
2	DOWNSPOUT. SEE DETAIL x/Ax.x. (074113) (076200) (077123)
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16	EXPANSION JOINT. SEE DETAIL x/Ax.x.

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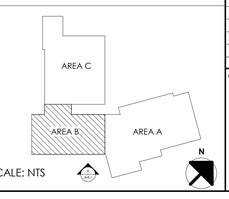
REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

RD	ROOF DRAIN.	
ERD	EMERGENCY ROOF DRAIN.	
RL	ROOF LADDER.	
RH	ROOF HATCH.	
WP	WALKWAY PAD.	
VTR	VENT THROUGH ROOF.	
RTU	ROOF TOP UNIT.	

KEY PLAN



SCALE: NTS

rosstarrant architects
101 old lafayette avenue lexington, kentucky 40502 p:859.254.4018

RANDY S. BROOKS, JR. REGISTERED No. 5441 COMMONWEALTH OF KENTUCKY ARCHITECT

ROOF PLAN - AREA B

MARION COUNTY ATC PARTIAL ROOF REPLACMENT
FOR:
MARION COUNTY BOARD OF EDUCATION
LEBANON, KENTUCKY

BG# 24-118

Project No:	23044
Drawn By:	RAB, SS
Rev'd By:	RSB

SHEET RELEASE

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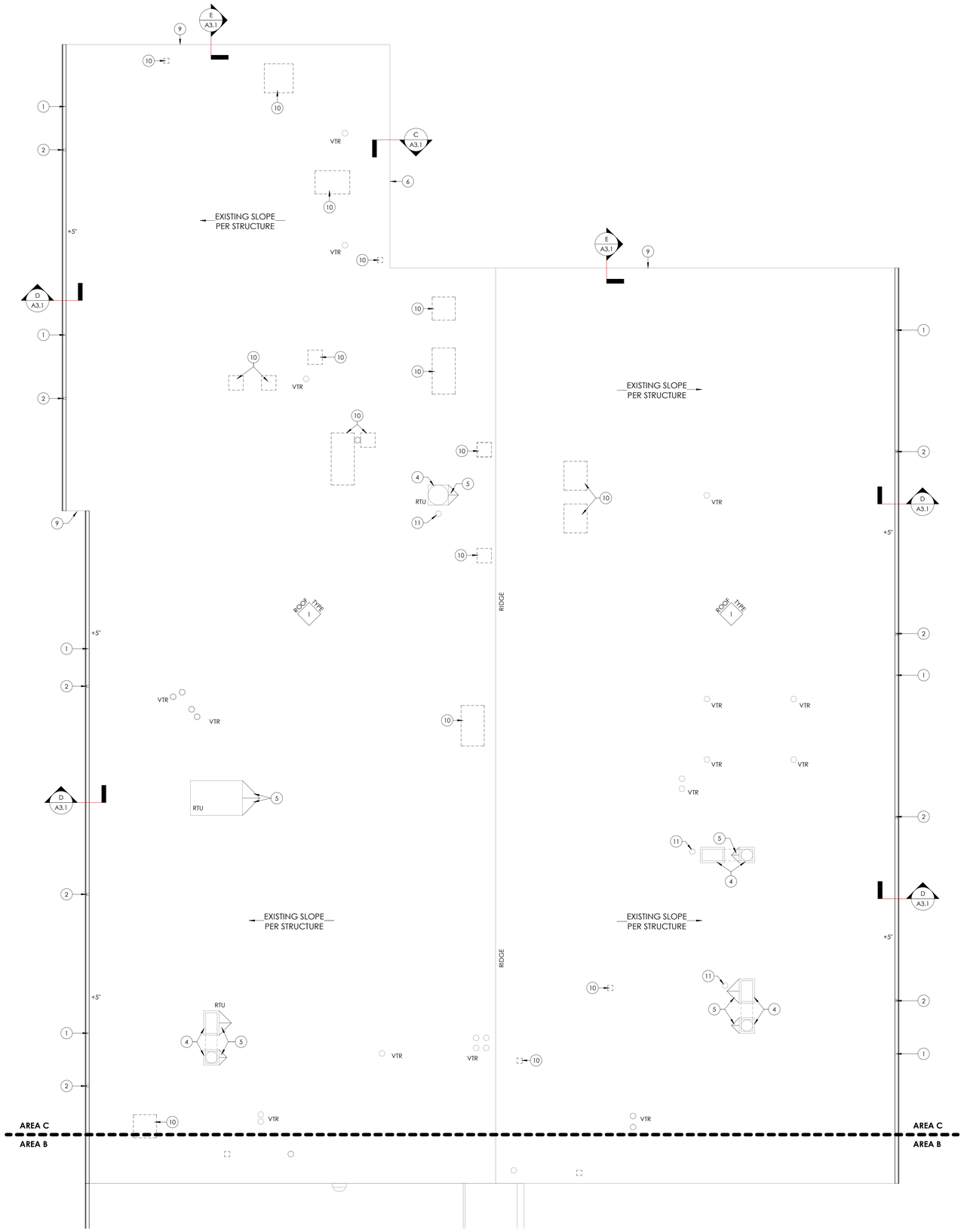
ROOF PLAN - AREA B

DATE ISSUED:
DECEMBER 7, 2023

REVISIONS

#	DATE	DESCRIPTION



ROOF PLAN - AREA C
1/8" = 1'-0"
A A3.2

MATERIAL REFERENCE

ROOF NOTES

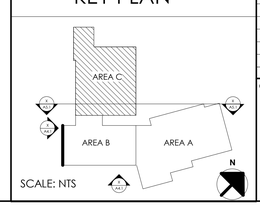
#	
1	GUTTER. SEE DETAIL x/Ax.x. (074113) (076200) (077123)
2	DOWNSPOUT. SEE DETAIL x/Ax.x. (074113) (076200) (077123)
3	SPLASH PAD. SEE DETAIL x/Ax.x.
4	ROOFTOP MECHANICAL EQUIPMENT CURB. SEE DETAIL x/Ax.x. RAISE RTU ON RAILS SYSTEM AS NEEDED TO ROOF BELOW. RAISE TO RECEIVE NEW ROOFING AND INSULATION SYSTEM.
5	CRICKET/SADDLE SLOPED TO 1/4" PER 1'-0" FOR POSITIVE DRAINAGE.
6	FASCIA. SEE DETAIL x/Ax.x.
7	COPING. SEE DETAIL x/Ax.x.
8	EXISTING ROOF TO REMAIN. EXISTING ROOF IS CURRENTLY UNDER WARRANTY. ALL NEW WORK TO BE PERFORMED SHALL NOT VOID EXISTING WARRANTY.
9	RAKE EDGE. SEE DETAIL x/Ax.
10	PATCH AND REPAIR EXISTING DECK WHERE ABANDONED ROOF CURB, EQUIPMENT, OR VTR ARE REMOVED. SEE DETAIL x/Ax.x.
11	PROVIDE NEW ROOF PENETRATION PAN AT ROOF PENETRATION. SEE DETAIL x/Ax.x.
12	REGLET AND COUNTERFLASHING. SEE DETAIL x/Ax.x.
13	PATCH AND REPAIR BUBBLE IN EXISTING ROOF PER MANUFACTURER'S STANDARDS. REFER TO ROOF TYPE 2 FOR EXISTING ROOF TYPE.
16	EXPANSION JOINT. SEE DETAIL x/Ax.x.

ROOF LEGEND

REFER TO ROOF DETAILS FOR MORE INFORMATION. SOME ITEMS SHOWN MAY NOT APPLY TO THE PROJECT.

RD	ROOF DRAIN.	
ERD	EMERGENCY ROOF DRAIN.	
RL	ROOF LADDER.	
RH	ROOF HATCH.	
WP	WALKWAY PAD.	
VTR	VENT THROUGH ROOF.	
RTU	ROOF TOP UNIT.	

KEY PLAN



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REGISTERED
No. 5441
COMMONWEALTH OF KENTUCKY
ARCHITECT

ROOF PLAN - AREA C
MARION COUNTY ATC PARTIAL ROOF REPLACMENT
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ROOF PLAN - AREA C

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