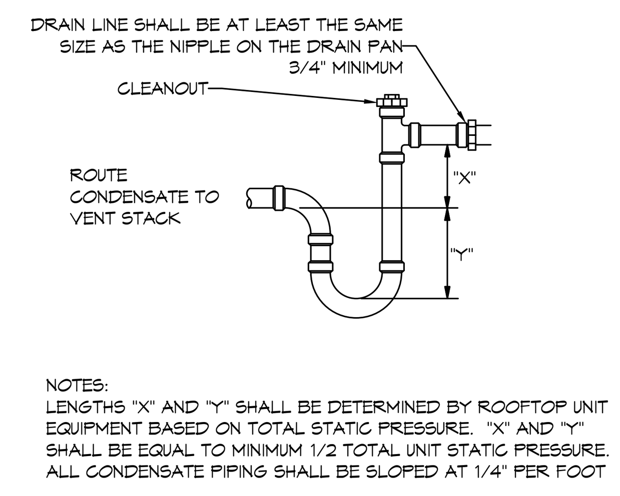
NOTES

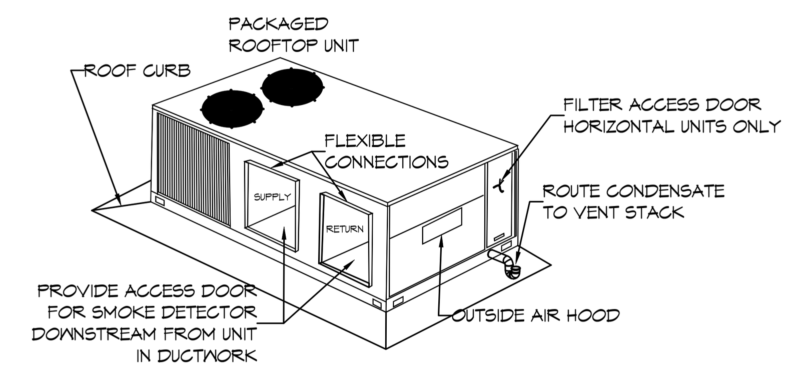
1. INSTALL NEW RTU RE-USE EXISTING ROOF CURB.
2. INSPECT/TEST/REPLACE FLEXIBLE CONDUIT AND WIRES TO RTU AS NECESSARY. INSTALL NEW FUSES TO MATCH INSTALLED RTU.
3. INSTALL NEW SUPPLY AND RETURN DUCTWORK REMOVED DURING DEMO. INSTALL FLEXIBLE CONNECTION AT UNIT. CONTRACTOR SHALL APPLY 2 COATS OF GREY EPOXY PAINT WITH CLASS A SEAMS AND JOINTS TO ALL DUCTWORK. ALL SUPPORT(S) ARE TO REMAIN.
4. SIDEWALL PENETRATION SHALL BE RESEALED AND CONTRACTOR SHALL APPLY 2 COATS OF BITUMINUS GREY PAINT.
5. PROVIDE CONDENSATE DRAINS FROM ALL 3 RTU's ON ROOF ROUTE TO EXISTING PLUMBING ROOF VENT STACKS SHOWN. USE CUSH-A-BOCK, ROOF SUPPORTS, 12", H2 BASE AT 36" OC TO SUPPORT CONDENSATE LINES.

A CUSH-A-BLOCK, ROOF SUPPORT, 12" H2 BASE
SCALE: N.T.S.



NOTES:
LENGTHS "X" AND "Y" SHALL BE DETERMINED BY ROOFTOP UNIT EQUIPMENT BASED ON TOTAL STATIC PRESSURE. "X" AND "Y" SHALL BE EQUAL TO MINIMUM 1/2 TOTAL UNIT STATIC PRESSURE. ALL CONDENSATE PIPING SHALL BE SLOPED AT 1/4" PER FOOT

CONDENSATE TRAP DETAIL
NOT TO SCALE



TYPICAL ROOFTOP UNIT DETAIL
NOT TO SCALE

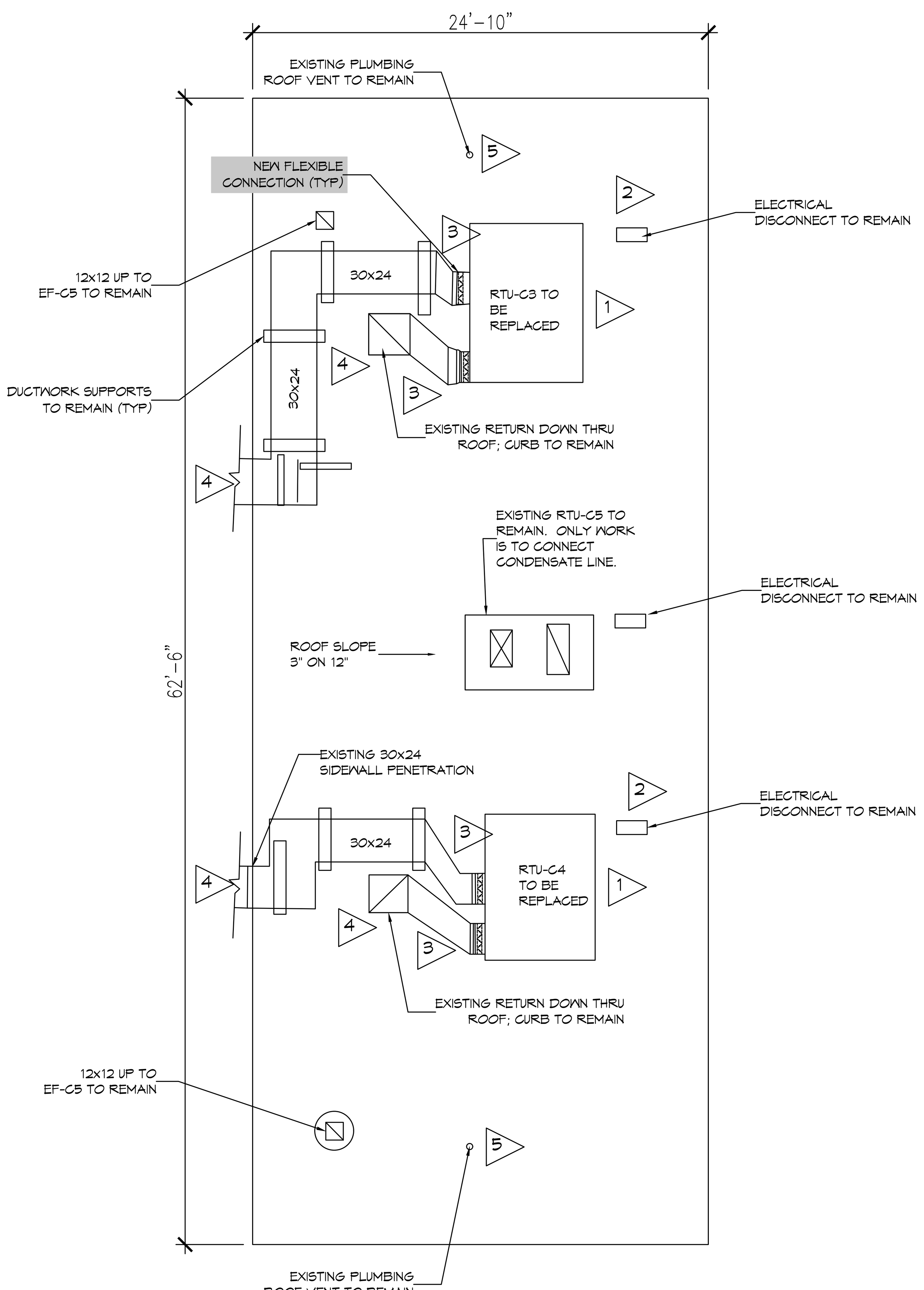
NOTES

1. METAL DUCTWORK SIZES SHOWN ARE METAL SIZES WITH 2" LINING WITH CLASS A SEALED SEAMS AND JOINTS.
2. EXTERIOR DUCTWORK SHALL RECEIVE 2 COATS OF GREY EPOXY PAINT WITH CLASS A SEAMS AND JOINTS SUPPORTED FROM EXISTING ROOF CURB.
3. ALL THERMOSTATS SHALL BE MOUNTED HEAVY DUTY VENTED LOCKING COVER BOX.
4. FLEXIBLE ROOFTOP DUCTWORK CONNECTIN SHALL BE INSULATED WITH 3/4" THICK ARMORFLEX INSULATION WITH ALUMINUM JACKETING. SIDES OF INSULATION SHALL RECEIVE 2 COATS OF BITUMINOUS GREY PAINT.

PACKAGED A/C SCHEDULE – Covington

ROOFTOP UNIT															
TAG	AREA SERVED	Make/Model	Model / Size	Nominal Tonnage	Total CFM	OA CFM	External SP ("WC)	HEAT KW	HEAT STAGE	FILTERS	POWER VAC	POWER PH	POWER Hz	MCA	REMARKS
RTU-C3	Gym Stage	Trane	TSH150-3RK	12.5	4000	2680	0.6	27	2	MERV-8 MERV-8	208	3	60	109	1, 2, 3, 4
RTU-C4	Gym Stage	Trane	TSH150-3RK	12.5	4000	2680	0.6	27	2	MERV-8 MERV-8	208	3	60	109	1, 2, 3, 4

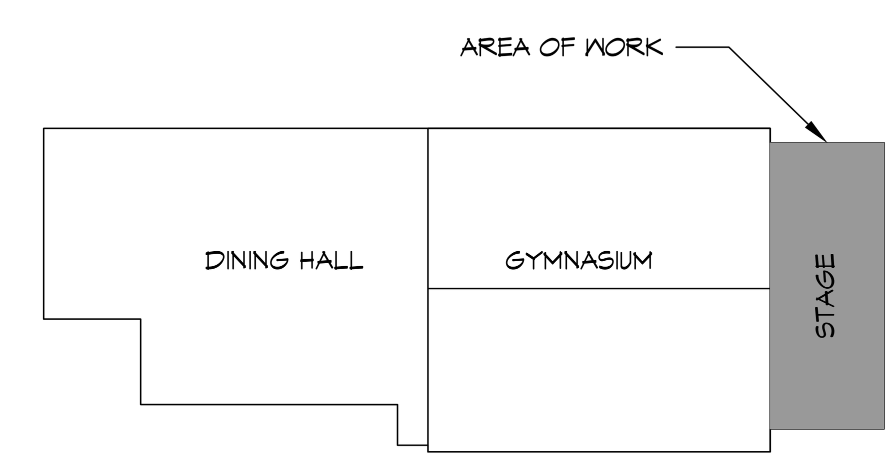
NOTES:
1 Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3 Provide single point connection. Install units in accordance with manufacturer's recommendations.
2 Provide controls per attached drawings and specifications
4 Provide new filters after commissioning and final acceptance.



1 ROOF PLAN
SCALE: 3/16"= 1'-0"

INSTALL CONDENSATE LINES TO PLUMBING VENT STACK(S)

3 PICTURES OF EXTERIOR ROOF
SCALE: N.T.S.



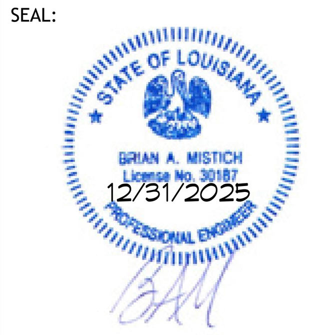
2 KEY PLAN
SCALE: N.T.S.

BLDG C

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS
#	DESCRIPTION	DATE

SEAL:



HVAC REPLACEMENT & RE-ROOF
COVINGTON ELEMENTARY SCHOOL
325 S Jackson St, Covington, LA 70433

JOB No: 2520 DATE: 12-16-2025
DRAWN BY: CKD CHECKED BY: JMS

The above drawings and specifications, designs and arrangements represented thereby are and shall remain the property of Dammon Engineering, and no part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specific project for which the have been prepared and developed without written consent of Dammon Engineering. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

SHEET TITLE:
MECHANICAL PLAN

DRAWING NUMBER:
M101

SHEET No: 3 of 12

FILE NAME: J:\- Schools Public\St Tam Parish School Board\2520 - Covington Elementary - HVAC\Dwgs\Current\M101 - RTU REPLACEMENT.dwg PLOT DATE & TIME: Tuesday, January 6, 2026 2:10:23 PM