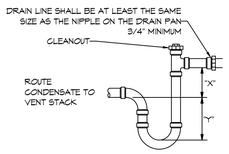
FILE NAME: J:\... School Public\18 Tom Pardy School Board\2020 - Covington Elementary - HVAC\Dwg\Current\M101 - RTU REPLACEMENT.dwg PLOT DATE & TIME: Wednesday, January 28, 2026 1:58:24 PM

## NOTES

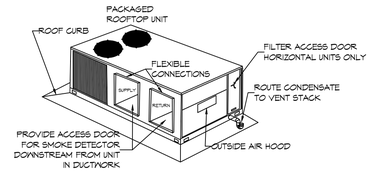
1. RE-USE EXISTING ROOF CURBS AND INSTALL NEW RTU.
2. INSPECT/TEST/REPLACE FLEXIBLE CONDUIT AND WIRES TO RTU AS NECESSARY. INSTALL NEW FUSES TO MATCH INSTALLED RTU.
3. CLEAN AND RE-INSTALL SUPPLY AND RETURN DUCTWORK REMOVED DURING DEMO. INSTALL NEW FLEXIBLE CONNECTIONS AT UNIT. CONTRACTOR SHALL APPLY 2 COATS OF GREY EPOXY PAINT WITH CLASS A SEAMS AND JOINTS TO ALL DUCTWORK. ALL SUPPORT(S) ARE TO REMAIN. AFTER INSTALLATION MEASURE THE TOTAL AIR FLOW AT UNIT DISCHARGE WITH A PITOT TUBE.
4. SIDEWALL PENETRATION AT BUILDING 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

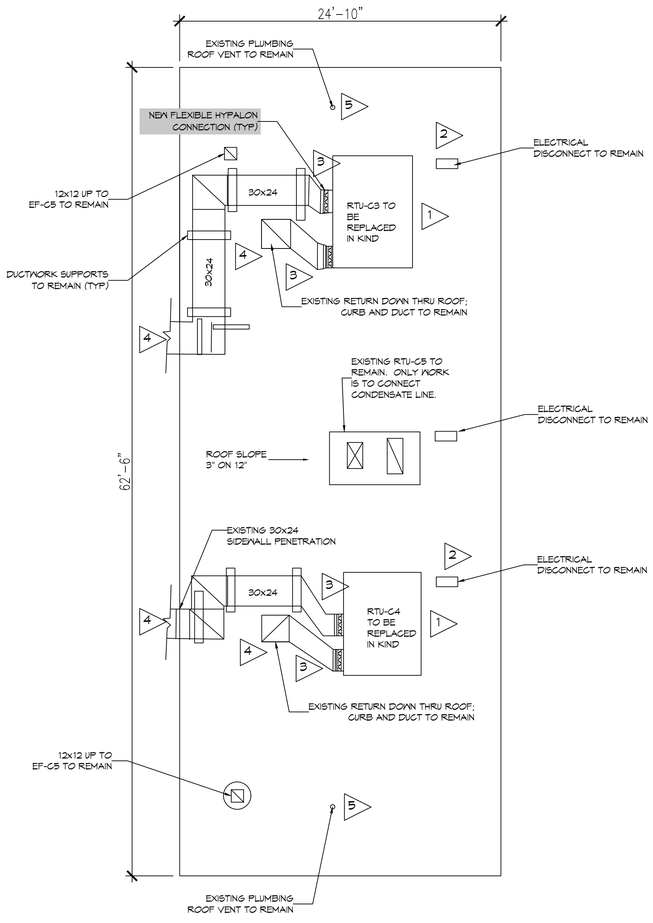
## NOTES

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**

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

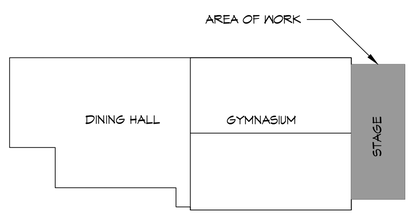
NOTES:
1 Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3 Provide single point connection. Install units in accordance with manufacturer's recommendations.
2 Provide controls per attached drawings and specifications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

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:
STATE OF LOUISIANA
BRIAN A. MISTICH
13004
PROFESSIONAL ENGINEER
1/28/2026

GYMNASIUM HVAC and ROOF REPLACEMENT
COVINGTON ELEMENTARY SCHOOL
325 S Jackson St.
Covington, LA 70433

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

All plans and designs 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 they have been prepared and shall remain the property of Dammon Engineering until paid in full. Any use of these plans and designs without the specific written permission of Dammon Engineering shall constitute an infringement of copyright. Dammon Engineering shall have given permission for the use of these plans and designs before any such use is deemed to be lawful.

SHEET TITLE:
MECHANICAL PLAN

DRAWING NUMBER:
M101

SHEET No: 3 of 12