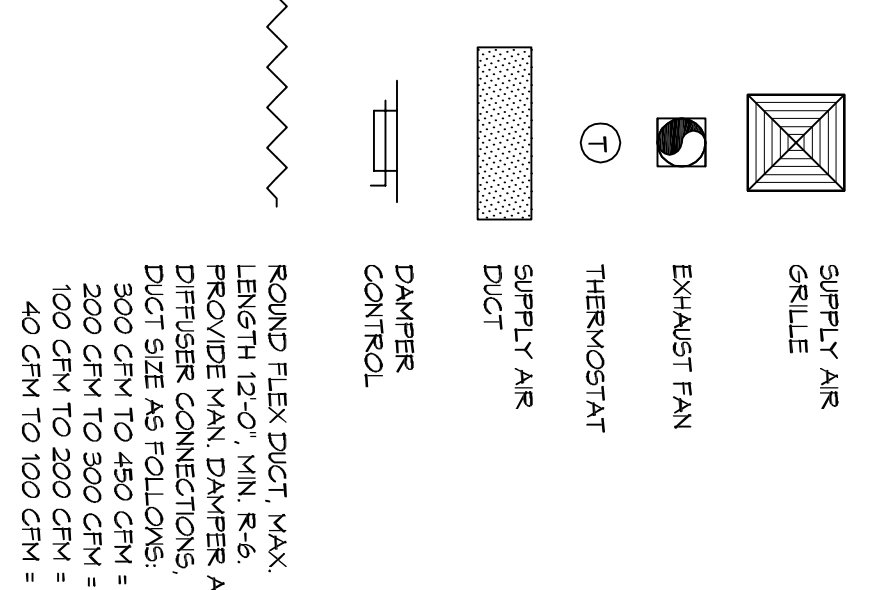


**LEGEND**

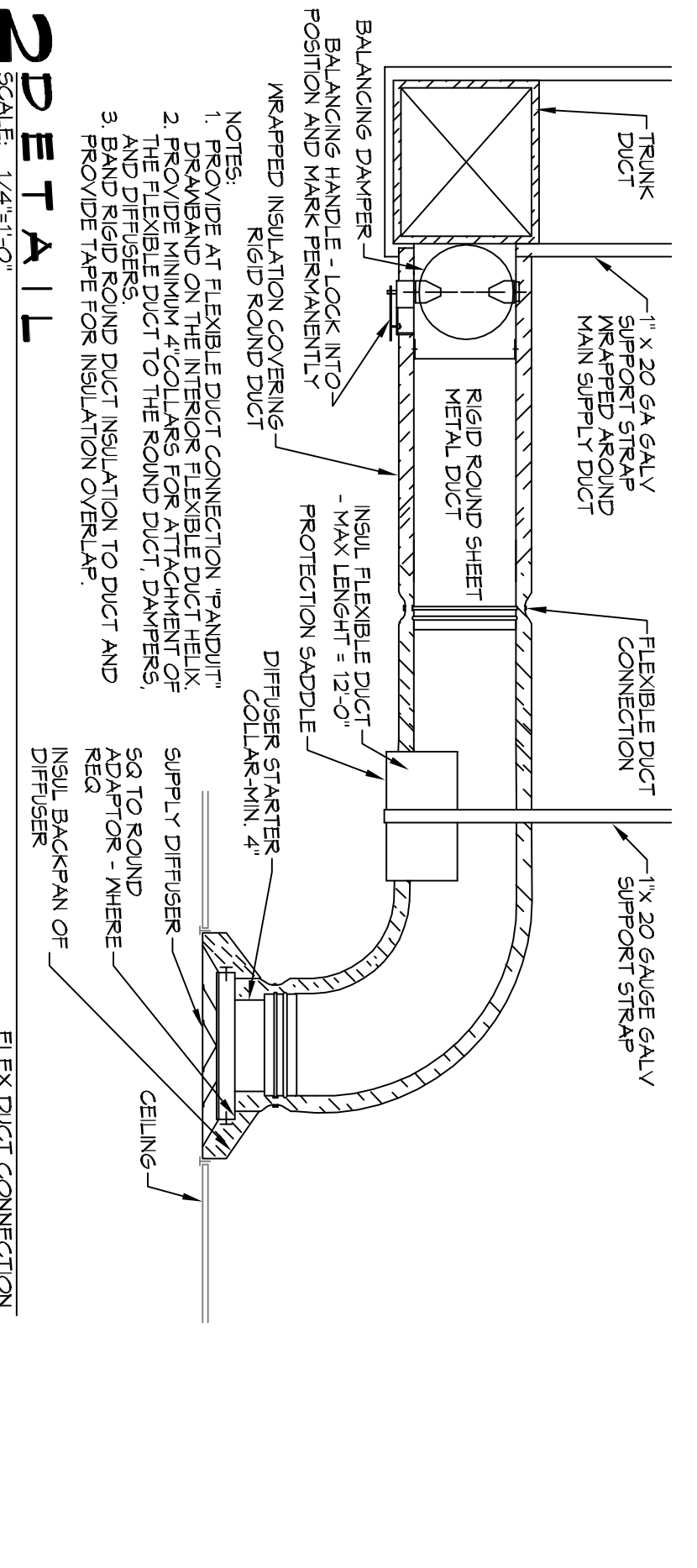


**MECHANICAL HVAC NOTES**

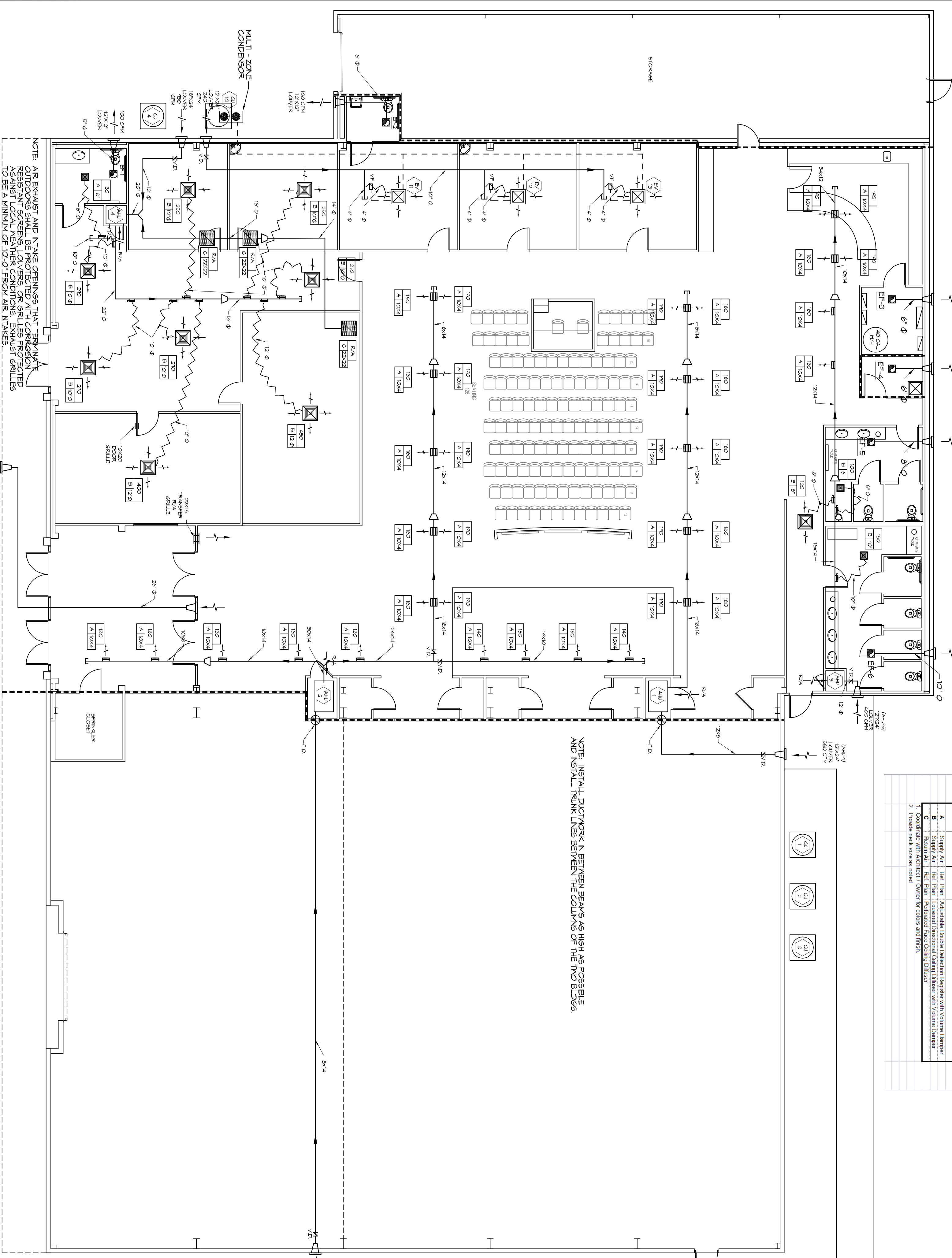
- CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROGLASS GLASS DUCT LINER. MIN R-6. INSTALLED PER SWACMA STANDARDS.
- EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROGLASS GLASS DUCT LINER. MIN R-6. INSTALLED PER SWACMA STANDARDS.
- DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 12E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
- PROVIDE UL LISTED 125 F° FRESH AIR RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE PENETRATIONS OF FIRE BARRIERS WHERE REQUIRED AT ALL DUCT PENETRATIONS INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
- CONDENSATE DRAINS TO BE PVC PIPE RUN TO FLOWERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
- ALL RETURN/EXHAUST FAN(S) SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFFT DAMPER.
- PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FUTURE EXHAUST.
- ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
- FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CALLED. PENETRATIONS THROUGH RATED PENETRATIONS SHALL BE CHECKED WITH A NATIONAL CALIBRATED ACCORDANCE WITH ASTM E-141.
- ALL MECHANICAL SYMBOLS ARE DRAWN DIMENSIONALLY. CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
- FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 15'-0".
- REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
- FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
- PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AUI'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR IF REQUIRED.
- FRESH AIR INTAKES ARE REQUIRED TO HAVE NOT RAINING.
- DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
- PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
- CONTRACTOR SHALL PROVIDE A MEANS FOR ATTIC VENTILATION FOR THE MOVEMENT OF AIR ABOVE DROP CEILING(S) EITHER BY MECHANICAL VENTS OR POWER VENTS.

AIR SYSTEM SCHEDULE PHASE A		REGISTER SCHEDULE		DIFFUSER SCHEDULE	
Make	Model	Size	Material	Make	Model
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1

MIN-SPLIT SCHEDULE		REGISTER SCHEDULE		DIFFUSER SCHEDULE	
Make	Model	Size	Material	Make	Model
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1
COBBER	ES2000S	15	200	1	1



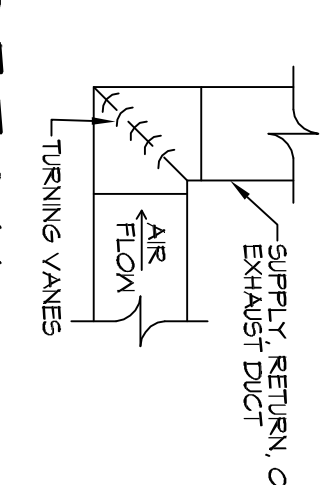
**2 DETAIL**  
SCALE: 1/4"=1'-0"



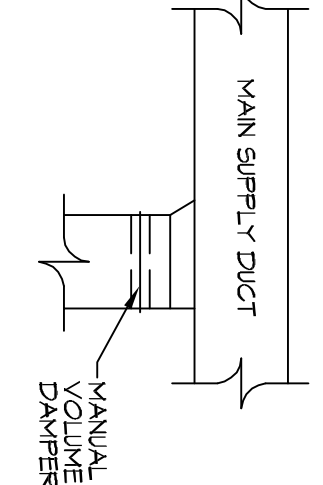
**MECHANICAL PLAN PHASE A**

SCALE: 1/8"=1'-0"

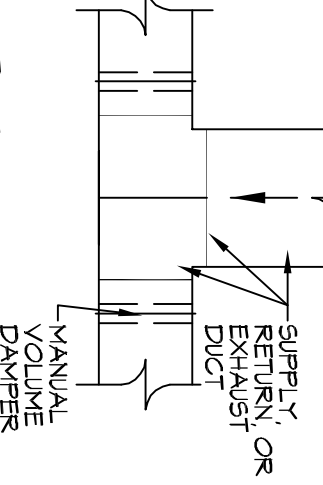
**3 DETAIL**  
SCALE: 1/4"=1'-0"



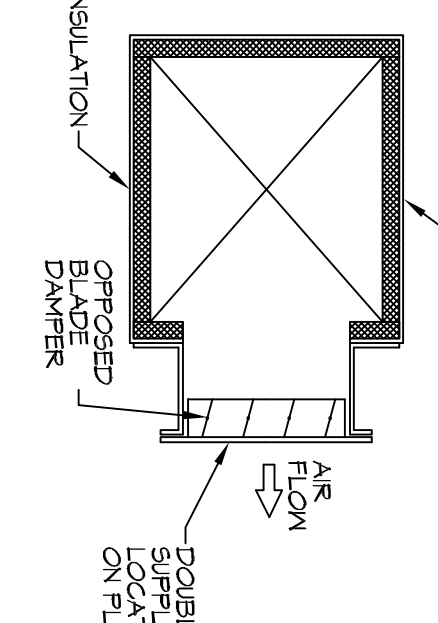
**4 DETAIL**  
SCALE: 1/4"=1'-0"



**5 DETAIL**  
SCALE: 1/4"=1'-0"



**6 DETAIL**  
SCALE: 1/4"=1'-0"



**DAMMON ENGINEERING, INC.**  
LOUISIANA & MISSISSIPPI

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**REVISIONS**

#	DESCRIPTION	DATE

**M101**

11 of 18

**MECHANICAL PLAN, SCHEDULES AND DETAILS PHASE A**

DRAWING NUMBER: \_\_\_\_\_

**STATE OF MISSISSIPPI**  
SEAL & NOTARY  
LIMIT NO. 81920

24492 WILLIS ALLEY  
PEARL RIVER LA.

JOB No: 2340 DATE: 04/30/2018

DRAWN BY: CKD CHECKED BY: BAM