	GRILLE, REGISTER, AND DIFFUSER SCHEDULE									
PLAN SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NO.	MATERIAL	FINISH	NOISE CRITERIA					
CDR-1	SQUARE FACE, ROUND NECK, 4—WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR LAY—IN CEILING INSTALLATION.	PRICE SCD (4C)	ALUMINUM	WHITE	_					
CDR-2	SQUARE FACE, ROUND NECK, 4—WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR SURFACE MOUNT INSTALLATION.	PRICE SCD (4C)	ALUMINUM	WHITE	_					
RG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"X1/2"X1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR LAY-IN CEILING INSTALLATION.	PRICE 80	ALUMINUM	WHITE	_					
NOTES:										

SEE PLANS FOR QUANTITY AND SIZES. M.C. TO FIELD VERIFY CEILING TYPE FOR ALL GRD BEFORE PURCHASING EQUIPMENT. PROVIDE REQUIRED MOUNTING.

DUCTWORK/INSULATION SCHEDULE													
		LOW PRESSURE				MED. PRESS HIGH PRESS.							
			SEAL		MAX		MAX						
SYSTEM	MAX. PRES.	Α	В	С	PRES.	SEAL A	PRES.	SEAL A	INTERNAL	THICKNESS	EXTERNAL	THICKNESS	NOTES
SUPPLY AIR WITHIN 10' OF UNIT	2"	Χ	_	_	_	_	_	_	YES	1"	NO	_	_
SUPPLY AIR BEYOND 10' OF UNIT	2"	Χ	_	1	_	_	_	_	NO	_	YES	2" FSK	-
RETURN AIR WITHIN 10' OF UNIT	2"	-	Х	_	_	_	-	_	YES	1"	NO	_	_
RETURN AIR BEYOND 10' OF UNIT	2"	_	X	_	_	-	_	_	NO	-	YES	2" FSK	_
OUTSIDE AIR/MIXED AIR	2" - X -		_	_	_	_	NO	-	YES	3" FSK	_		
NOTES:													

	ROOF HOOD SCHEDULE - BASE DESIGN										
RH #	THROAT SIZE DIMENSION (IN)	THROAT AREA (FT²)	DAMPER BDD OR MOD	CONSTRUCTION	MANUFACTURER & MODEL NO.	COMMENTS	NOTES				
3	8X24	1.33	MOD	ALUMINUM	GREENHECK FGI	COLOR BY ARCHITECT	1-3				

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.

- 1. M.C. TO PROVIDE ROOF HOOD WITH ALUMINUM BIRDSCREEN. 2. M.C. SHALL PROVIDE ROOF CURB. CURB INSTALLATION BY G.C.
- 3. M.C. SHALL PROVIDE LOW VOLTAGE MOTORIZED DAMPER.

	GAS FURNACE SCHEDULE - BASE DESIGN																	
F											В	LOWER						
#	TYPE	INPUT MBH	OUTPUT MBH	CFM	MIN F.A.	EXT. S.P.	HEAT E	EXCH. I	MTL	SIZE	DRIVE	H.P.	ELEC. CHAR	PILOT	VENT	FILTER MERV 8 MIN.	MANUFACTURER & MODEL NO.	NOTES
1	HORIZ	120	115	1750	350	0.6	ALUMIN	NIZED S	STL	11X11	DIRECT	1	120/1	HOT S	3"	2" TA	YORK TM9V120D20MP12C	1-4
NOTEC:	M.C. IS R	RESPONSI	BLE FOR	PROVIDI	NG ANY A	AND ALL	NECES:	SARY D	IMEN:	SION, E	ELECTRICA	L, MECH	HANICAL, AND	STRUCTU	RAL ALTE	RATIONS NECESS	SITATED BY PROVIDING ALTERNATE	

- 1. PROVIDE CONCENTRIC VENT. INSTALL PER MANUFACTURER INSTRUCTIONS. MAINTAIN MINIMUM CLEARANCES: 36" BETWEEN VENTS, 10'-0" FROM ANY FRESH AIR INTAKE.
  - PROVIDE CO, SENSOR, INSTALLATION BY CONTROLS CONTRACTOR. INTERLOCK CO, SENSOR WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT.
  - 3. PROVIDE FURNACE WITH 2 STAGE HEATING.
- DUCT SMOKE DETECTOR AND REMOTE TEST STATION PROVIDED BY AND INSTALLED BY E.C. REMOTE TEST STATION TO BE LOCATED IN OCCUPIED SPACE AND CONNECTION TO FIRE ALARM SYSTEM BY E.C. COORDINATE WITH E.C.

CONDENSING UNIT SCHEDULE - BASE DESIGN														
CU			ING UNIT											
#	NOMINAL TONNAGE	ELEC. CHAR	MCA	MOCP	S.E.E.R	WEIGHT (LBS)	MANUFACTURER& MODEL NO.	CFM	MAX S.P.	BLOWER MOTOR	ELEC. CHAR	MCA	MANUFACTURER & MODEL NO.	NOTES
	TOMNAGE	CHAR	MICA	MOCE	J.L.L.N	(250)	MODEL NO.	CEM	3.5.	MOTOR	CHAR	MCA	MANOFACTORER & MODEL NO.	NOTES
1	5	208/1	31.4	50	19	295	YORK YXT60B21S	1750	0.3	- SEE FUR	NACE SCHI	EDULE -	YORK XAFD60JBCN1	1-7
	M.C. IS RES	PONSIBLE FO	DR PROV	IDING ANY	AND AL	L NECESS	ARY DIMENSIONAL FLEC	TRICAL	MECHANI	CAL AND ST	RUCTURAL	ΔI TERΔΤΙ(	NS NECESSITATED BY PROVIDING	AI TERNATE

M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNALE EQUIPMENT.

- 1. E.C. TO PROVIDE AND INSTALL POWER DISCONNECT FOR UNIT. COORDINATE WITH M.C. 2. M.C. TO INCLUDE PRE-CHARGED LINE KIT. INSULATE SUCTION LINE.
- 3. TWO STAGE COOLING.
- 4. FOR LINE LENGTH EXCEEDING 50', M.C. MUST PROVIDE FACTORY DESIGNED AND FACTORY OR FIELD FABRICATED REFRIGERANT PIPING. 5. MOUNT UNITS ON CONDENSING UNIT SUPPORTS RE: 10/M501 FOR MORE INFORMATION.
- 6. INSULATE SUCTION LINE WITH 5/8" AP ARMAFLEX INSULATION OR EQUAL. SEAL ALL JOINTS WATER TIGHT TO PREVENT CONDENSATE IN THE CEILING.
- 7. PROVIDE UNIT WITH HAIL GUARD.

#### **GENERAL MECHANICAL NOTES**

- 1. ALL WORK SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES.
- 2. THE CONTRACTOR SHALL PAY FOR ALL FEES, PERMITS, LICENSES, ETC., NECESSARY FOR WITH SMACNA DUCT CONSTRUCTION STANDARD 2005 FOR THE PRESSURE AND SEAL PROPER COMPLETION OF THE WORK.
- 3. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- 4. VERIFY ALL EXISTING CONDITIONS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN CONTRACT DRAWINGS AND ACTUAL CONDITIONS.
- 5. EXISTING UTILITIES TO BE ABANDONED SHALL BE PROPERLY DISCONNECTED AND CAPPED AS REQUIRED BY CODE OR LOCAL ORDINANCE.
- 6. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE FROM THE ENGINEER THROUGH WRITTEN CLARIFICATION ONLY. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND TRANSITIONS REQUIRED TO MEET EXISTING CONDITIONS.
- 7. THE CONTRACTOR SHALL PERFORM WORK IN A SKILLED AND PROFESSIONAL MANNER.
- 8. ALL CONTRACTORS ARE RESPONSIBLE TO FIELD COORDINATE WORK SCHEDULE WITH OWNER REPRESENTATIVE.
- 9. THE CONTRACTOR SHALL WORK AND COORDINATE WITH THE OTHER TRADES.
- 10. ALL EQUIPMENT SHALL BE NEW AND IN UNDAMAGED CONDITION. ANY EQUIPMENT FOUND DEFECTIVE SHALL BE IMMEDIATELY REMOVED FROM THE PROJECT.
- 11. PROVIDE 3 COPIES OF AN OPERATION AND MAINTENANCE MANUAL FOR ALL MAJOR COILS, FANS, AND CONTROL WIRING DIAGRAMS. EACH PIECE OF EQUIPMENT SHALL STATE THE CONTRACT DATE AND THE NAME, ADDRESS AND PHONE NUMBER FOR THE PRIME CONTRACTOR, SUBCONTRACTOR PERFORMING THE INSTALLATION, AND THE LOCAL VENDOR FOR THE INSTALLED EQUIPMENT. MANUALS SHALL BE BOUND IN A THREE RING HARD COVER BINDER. O & M MANUALS SHALL BE SUBMITTED TO THE OWNER PRIOR TO FINAL WALK THROUGH OF THE PROJECT.
- 12. PROVIDE 8 HOURS OF OWNER TRAINING FOR THE INSTALLED EQUIPMENT. TRAINING SHALL BE HELD ONLY AFTER ALL OF THE EQUIPMENT IS INSTALLED AND PROPER OPERATION IS
- 13. CONTRACTOR SHALL SUBMIT A CERTIFIED REPORT INDICATING SYSTEM PERFORMANCE INCLUDING, BUT NOT LIMITED TO, VOLTAGE AND AMPERAGE MEASUREMENTS OF ALL EQUIPMENT GREATER THAN 1/3 H.P. WATER BALANCE MEASUREMENTS OF EACH COIL AND PUMP. AIR BALANCE MEASUREMENTS OF OUTSIDE AIR DELIVERY, AIR HANDLING UNIT SUPPLY, SUPPLY DIFFUSERS, EXHAUST AND RETURN GRILLES. AIR BALANCE SHALL BE WITHIN 10% OF DESIGN CONDITIONS. THE REPORT CERTIFICATION SHALL BE AS FOLLOWS:
- I (name) of (company) CERTIFY THAT ALL MEASUREMENTS, FIGURES AND STATEMENTS INDICATED IN THIS REPORT WERE TAKEN BY ME OR UNDER MY SUPERVISION AND ARE ACCURATE AS OF (date). DESIGN FLOWS WERE BASED UPON PLANS DATED (xx/xx/xx).

INCH

POUND

MAX MAXIMUM

MECH MECHANICAL

MFR MANUFACTURER

NTS NOT TO SCALE

OA OUTSIDE AIR

OC ON CENTER

PLBG PLUMBING

QTY QUANTITY

REQD REQUIRED

PC PLUMBING CONTRACTOR

RETURN AIR

PSI POUNDS PER SQUARE INCH

REVERSE OR REVISION

RETURN AIR GRILLE

RPM REVOLUTIONS PER MINUTE ROOF TOP UNIT

SUPPLY AIR

SUPPLY GRILLE

STATIC PRESSURE

TEMP TEMPERATURE OR TEMPORARY

VARIABLE OR VARIES

VFD VARIABLE FREQUENCY DRIVE

WC WATER COLUMN (INCHES OF)

TRANSFER GRILLE

SQFT SQUARE FEET

SPEC SPECIFICATIONS

TYP TYPICAL

W/IN WITHIN

WT WEIGHT

W/O WITH OUT

WB WET BULB

VOLT

VELOCITY

VTR VENT THRU ROOF

SS STAINLESS STEEL

T&B TEST AND BALANCE

MIN MINIMUM

LAT LEAVING AIR TEMPERATURE

LWT LEAVING WATER TEMPERATURE

1000 BTU PER HOUR

MC MECHANICAL CONTRACTOR MCA MINIMUM CIRCUIT AMPS

**ABBREVIATIONS** 

AMP

ADDENDUM

ADJUSTABLE

ALTERNATE

BDD BACK DRAFT DAMPER

APPRX APPROXIMATE

BLDG BUILDING

ABOVE FINISH FLOOR

AIR HANDLER UNIT

ANALOG INPUT

ANALOG OUTPUT

ARCH ARCHITECT, ARCHITECTURAL

BTUH BRITISH THERMAL UNIT PER HOUR

CEILING DIFFUSER

CLEAN OUT

CONDENSATE

CONTINUOUS

DRY BULB

DOOR GRILLE

DIGITAL INPUT

DIGITAL OUTPUT

EXHAUST AIR

EXHAUST FAN

ELECTRICAL

FRESH AIR

GAUGE/GAGE

GENERAL CONTRACTOR

GALLONS PER MINUTE

GALVANIZED

GYPSUM

HEIGHT

I/O INPUT/OUTPUT

HORSEPOWER

HORIZ HORIZONTAL

FPM FEET PER MINUTE

FT FOOT (FEET)

EXHAUST GRILLE

EWT ENTERING WATER TEMPERATURE

DIMENSION

DOWN

DETAIL

DIA OR ØDIAMETER

DWG DRAWING

EXIST EXISTING

CUBIC FEET PER MINUTE

COEFFICIENT OF PERFORMANCE

ENTERING AIR TEMPERATURE

ELECTRICAL CONTRACTOR

ENERGY EFFICIENCY RATIO

ENERGY RECOVERY VENTILATOR

EXTERNAL STATIC PRESSURE

ADD

ADJ

AFF

ALT

AO

CD

CFM

CO

COND

CONT

COP

DB

DET

DG

DIM DN

DO

EER

ERV

ESP

FA

GALV

GPM

GYP

HP

HT

AHU

- 14. DUCT MATERIAL SHALL BE GALVANIZED OR ALUMINUM CONSTRUCTION IN ACCORDANCE CLASS LISTED IN DUCTWORK/INSULATION SCHEDULE.
- 15. DUCT SIZES LISTED ON PLANS ARE THE REQUIRED CLEAR INTERIOR DIMENSIONS.
- 16. SUPPLY AND RETURN BRANCH DUCTS MAY BE INSULATED FLEX DUCT IF THE RUN IS LESS THAN 5 FEET IN LENGTH. ANY LENGTHS OVER 5 FEET SHALL BE RIGID DUCTWORK, DUCT SHALL BE THE SAME SIZE AS THE LISTED DIFFUSER THROAT UNLESS NOTED
- 17. PROVIDE VOLUME CONTROL DAMPERS WHERE INDICATED AND AT ALL TAKEOFFS, BOTH SUPPLY AND RETURN SYSTEMS, AND MAJOR DUCT RUNS. DAMPERS SHALL BE FACTORY-FABRICATED WITH ZINC-PLATED, DIE-CAST CONTROL HARDWARE. CONTROL HARDWARE SHALL INCLUDE HEAVY GAUGE DIAL AND HANDLE WITH ELEVATED PLATFORM FOR INSULATED DUCT MOUNTING.
- 18. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS CONFORMING TO SMACNA DUCT CONSTRUCTION STANDARD 2005 FIG. 4-2 TYPE RE-3 WITH STANDARD RADIUS. WHERE SPACE PERMITS, PROVIDE RADIUSED ELBOWS IN ACCORDANCE WITH FIGURES 4-2, TYPE
- 19. ALL RECTANGULAR MAIN TO RECTANGULAR BRANCH CONNECTIONS, BOTH CONVERGING AND DIVERGING CONFIGURATIONS, SHALL HAVE A 45 DEG. ENTRY TAP CONSTRUCTED IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARD 2005 FIG. 4-6.
- 20. DIFFUSER PATTERN 4-WAY UNLESS OTHERWISE INDICATED. PROVIDE FIBERGLASS DUCT INSULATION WITH VAPOR BARRIER AS SCHEDULED UNLESS NOTED OTHERWISE.
- EQUIPMENT REQUIRING SERVICE. MAJOR EQUIPMENT INCLUDES BUT IS NOT LIMITED TO 21. MECHANICAL CONTRACTOR TO REPAIR ANY DAMAGE DONE TO THE FIRE PROOFING WHILE INSTALLING THE MECHANICAL TRADES. SEAL ALL PENETRATIONS THROUGH RATED STRUCTURES WITH UL LISTED FIRE SEAL DESIGNED FOR THE SPECIFIED APPLICATION.
- FOR SPARE PARTS. THE MANUALS SHALL CONTAIN MAINTENANCE INSTRUCTIONS REQUIRED 22. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
  - 23. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OR AS OTHERWISE REQUIRED IN THE SPECIFICATIONS.
  - 24. MECHANICAL CONTRACTOR TO INCLUDE THE TEST AND BALANCE, AND ANY PERMIT FEES IN THEIR BID.
  - 25. MECHANICAL CONTRACTOR SHALL VERIFY ALL ROOFTOP EQUIPMENT WEIGHTS, SIZES, LOCATIONS AND OPENINGS REQUIRED AND SHALL COORDINATE ANY CHANGES WITH THE
  - 26. UPON PROJECT COMPLETION, RECORD (AS-BUILT) DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE BUILDING OWNER. ALL CHANGES MADE TO EQUIPMENT, DUCTWORK, AND GENERAL DESIGN SHALL BE NOTED ON THE DRAWINGS. PROVIDE IN PDF FORMAT OR PRINTED SET AT THE OWNER'S REQUEST.

MECH	ANICAL I	HVAC LE	GEND
EXHAUST AIR DUCT (DOWN)			EXHAUST AIR DUCT (UP)
RETURN AIR DUCT (DOWN)			RETURN AIR DUCT (UP)
OUTSIDE OR SUPPLY AIR DUCT (DOWN)		$\boxtimes$	OUTSIDE OR SUPPLY AIR DUCT (UP)
DUCT SIZE	<u> </u>		NEW DUCTWORK
FLEX DUCT	++++++++	<b>†</b>	EXISTING DUCTWORK
DEMOLITION LINETYPE	<b></b>	$\boxtimes$	SUPPLY AIR CEILING DIFFUSER
RETURN AIR GRILLE			EXHAUST AIR GRILLE
DIFFUSER, GRILLE, AND REGISTER CALL-OUTS	CALL-OUT CFM	<u>-</u>	SCHEDULED EQUIPMENT TAG
MANUAL BALANCING DAMPER	<b>-</b>	<b>***</b>	PIPE PENETRATION THROUGH FIRE RATED WALL
FIRE DAMPER			SMOKE DAMPER
MOTORIZED DAMPER	<u>₹</u>		FIRE/SMOKE DAMPER
THERMOSTAT	(T)	$\oplus$	HUMIDISTAT

	MECHANICAL SHEET INDEX								
M000	MECHANICAL LEGENDS AND NOTES								
MD101	MECHANICAL DEMOLITION PLAN								
M101	MECHANICAL DUCTWORK PLAN								
M201	MECHANICAL ROOF PLAN								
M501	MECHANICAL DETAILS								

S

REMOTE SENSOR

DUCT SMOKE DETECTOR

## the Abla Griffin Partnership L.L.C.

201 N. BROADWAY SUITE 210 MOORE, OK. 73160 405.735.3477 AGP@theAGP.net www.theAGP.net

KFC ENGINEERING STRUCTURAL

SALAS O'BRIEN MECHANICAL / ELECTRICAL



KF drawn by DMG checked by SEPTEMBER 2023

MOORE PUBLIC SCHOOLS **BOARD OF EDUCATION** MOORE, OKLAHOMA



OFFICE ADDITION **FAIRVIEW ELEMENTARY SCHOOL** 

sheet no:



Salas O'Brien Project Number: 2023-04386-00

CARBON DIOXIDE SENSOR

2600 Van Buren St., Suite 2635 Norman, OK 73072 AND DRAWINGS ARE NOT TO BE Salas O'Brien Registration: CA# 7058 REPRODUCED IN ANY FORM OR MANNER Expiration Date: 6/30/2025 WITHOUT THE EXPRESSED WRITTEN

OWNERSHIP USE OF DOCUMENTS: AGP EXPRESSLY RESERVES ITS COPYRIGHT AND OTHER PROPERTY RIGHTS OF ALL PLANS AND DRAWINGS DESIGNED AND/OR PRODUCED. PLANS

CONSENT OF AGP.

#### **GENERAL NOTES**

- COORDINATE DEMOLITION OF EQUIPMENT WITH ALL TRADES, CONSTRUCTION MANAGER, AND ARCHITECT.
- 2. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. LOCATIONS OF EXISTING EQUIPMENT ARE DIAGRAMMATICAL IN NATURE.
- CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY UNINTENDED DAMAGES ONE TO SURROUNDING AREAS DUE TO DEMOLITION.
- 4. OWNER SHALL HAVE FIRST SALVAGE RIGHTS OF DEMOLISHED EQUIPMENT. DISPOSE OF EQUIPMENT ACCORDING TO CODE. RECYCLE ALL RECYCLABLE MATERIALS.

#### **KEYED NOTES**

1 DEMOLISH ALL AIR DEVICES AND ASSOCIATED DUCTWORK WITHIN DEMOLITION AREA. CAP AND SEAL ANY BRANCH DUCTWORK BACK TO

# the Abla Griffin Partnership L.L.C.

201 N. BROADWAY SUITE 210 MOORE, OK. 73160 405.735.3477 AGP@theAGP.net www.theAGP.net

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN

MECHANICAL / ELECTRICAL



TVO

checked by

SEPTEMBER 2023

date

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA



OFFICE ADDITION
FAIRVIEW
ELEMENTARY SCHOOL

sheet no:

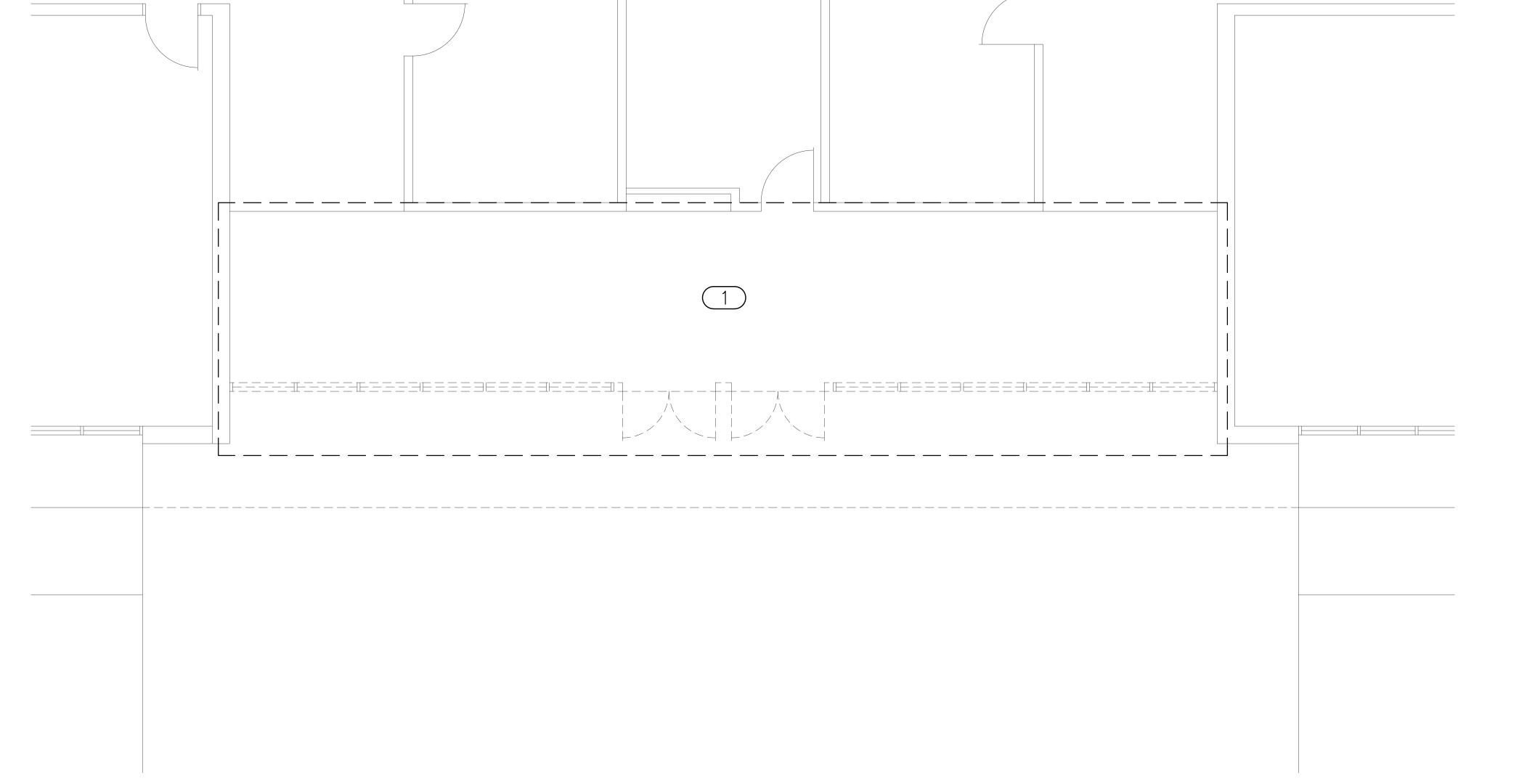
MD101

- ANDTH



2600 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-04386-00

KIGHTS OF ALLE FLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.



MECHANICAL DEMOLITION PLAN

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

#### **GENERAL NOTES**

- . FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- COORDINATE INSTALLATION OF EQUIPMENT AND DUCTWORK WITH ALL TRADES.
- 3. COORDINATE LOCATION OF THERMOSTATS WITH E.C. ROUGH-IN BY E.C.
- . COORDINATE CARBON DIOXIDE SENSOR LOCATION WITH EARTHSMART PRIOR TO INSTALLATION.

KEYED NOTES

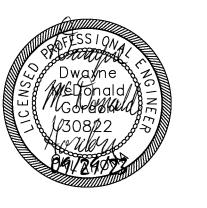
1 DUCT UP 8X24 INTO ROOF HOOD.



201 N. BROADWAY SUITE 210 MOORE, OK. 73160 405.735.3477 AGP@theAGP.net www.theAGP.net

KFC ENGINEERING STRUCTURAL

SALAS O'BRIEN MECHANICAL / ELECTRICAL



drawn by checked by SEPTEMBER 2023

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA



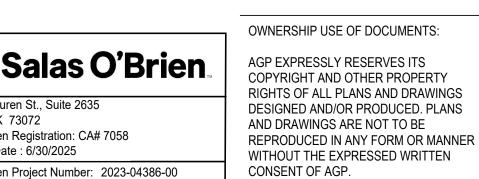
OFFICE ADDITION **FAIRVIEW ELEMENTARY SCHOOL** 

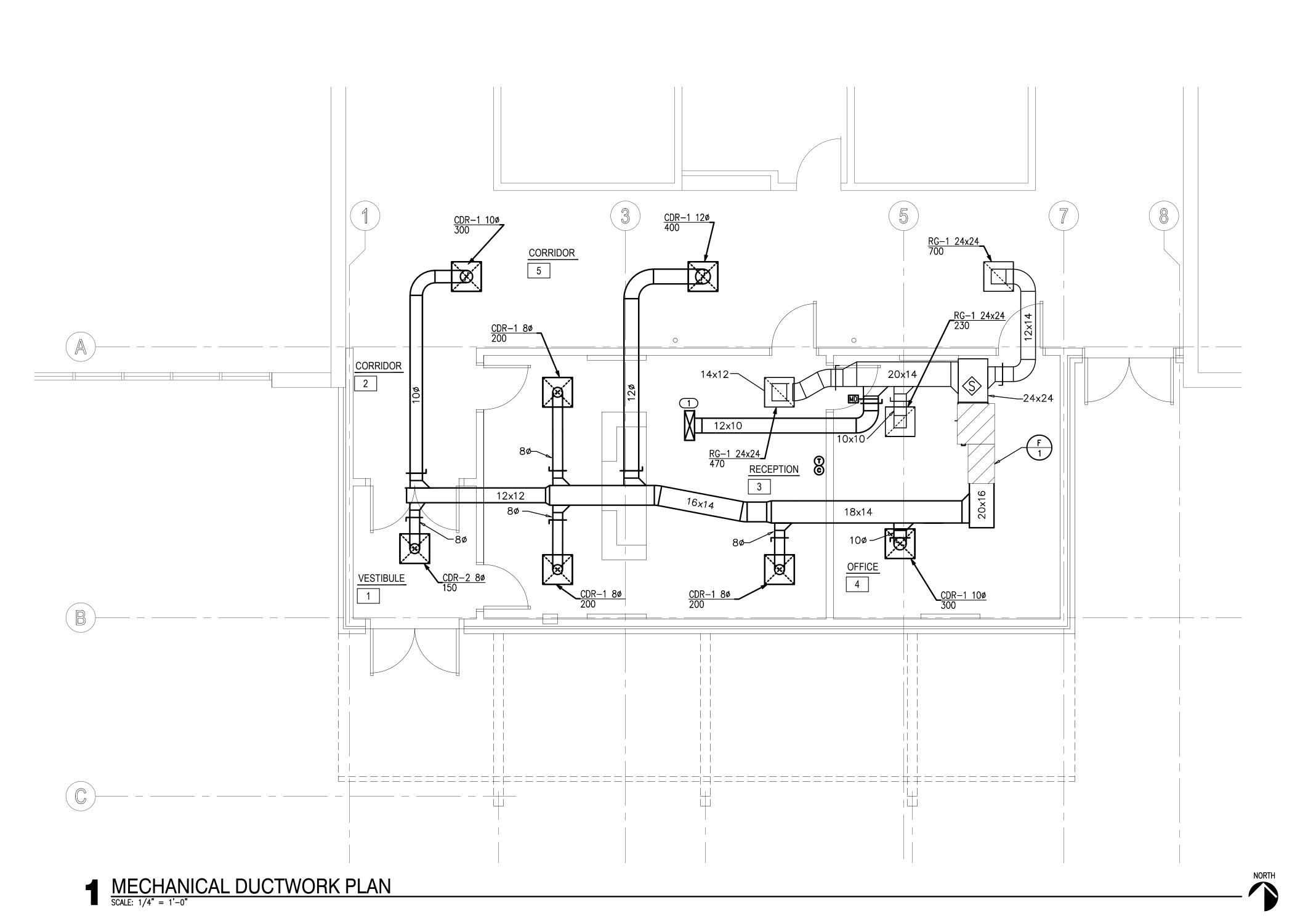
sheet no:

M101









### **GENERAL NOTES**

- . ALL ROOF TOP EQUIPMENT TO BE LOCATED A MINIMUM 10'-0" AWAY FROM ROOF EDGE.
- 2. MAINTAIN A MINIMUM OF 10'-0" HORIZONTAL CLEARANCE BETWEEN ALL EXHAUST OUTLETS AND ANY FRESH AIR INTAKES.
- 3. ALL ROOF SUPPORT SYSTEMS ARE TO BE MANUFACTURED FOR THE ROOF MATERIAL/SYSTEM TO BE INSTALLED. REFER TO ARCHITECTURAL PLANS FOR THE ROOF SYSTEM, CURB INSTALLATION TO BE WARRANTED BY ROOFING CONTRACTOR.

AGP
the Abla Griffin
Partnership L.L.C.

201 N. BROADWAY SUITE 210 MOORE, OK. 73160 405.735.3477 AGP@theAGP.net www.theAGP.net

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN

MECHANICAL / ELECTRICAL



KF
drawn by

DMG

checked by

SEPTEMBER 2023
date

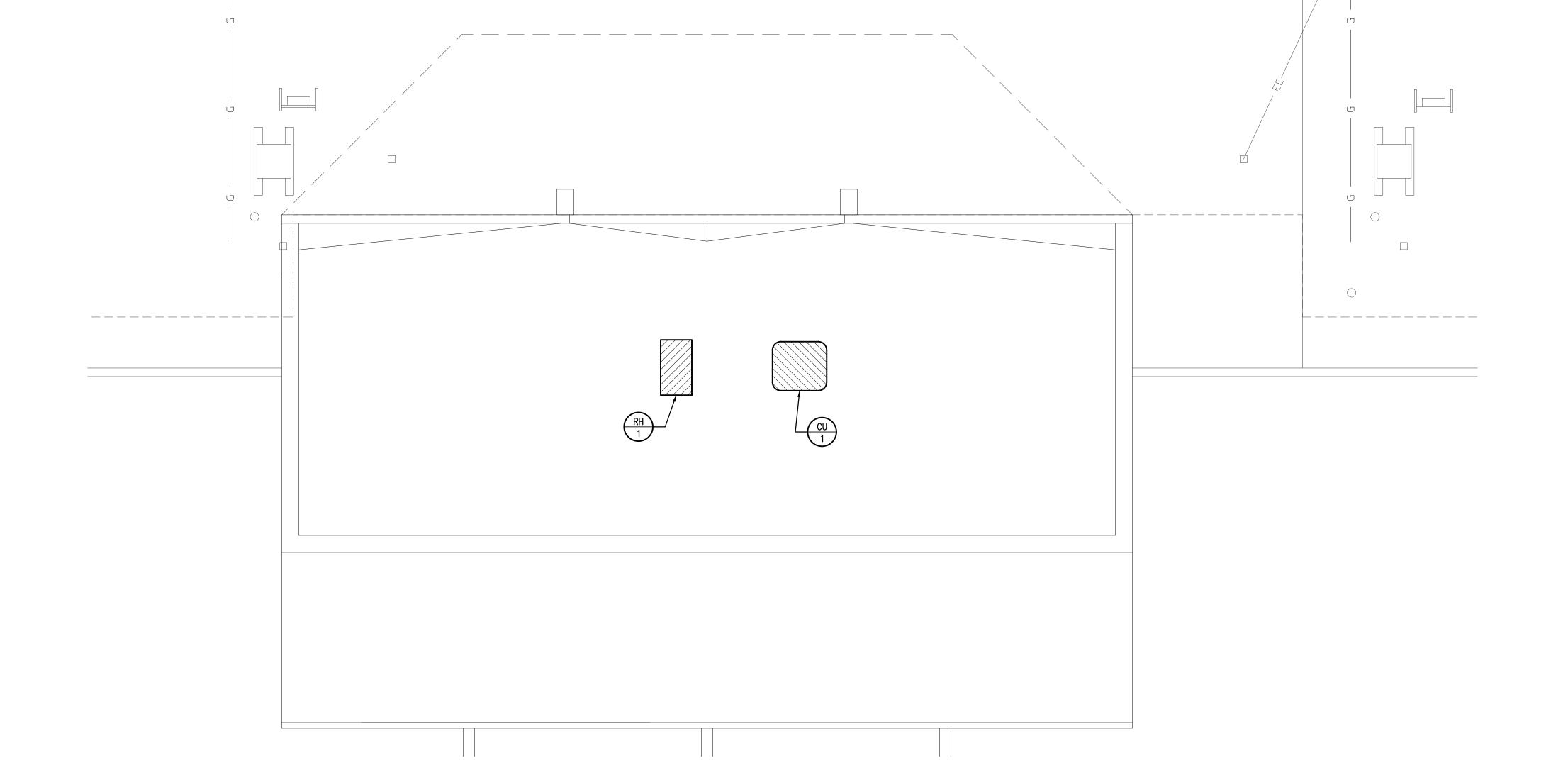
MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA



OFFICE ADDITION
FAIRVIEW
ELEMENTARY SCHOOL

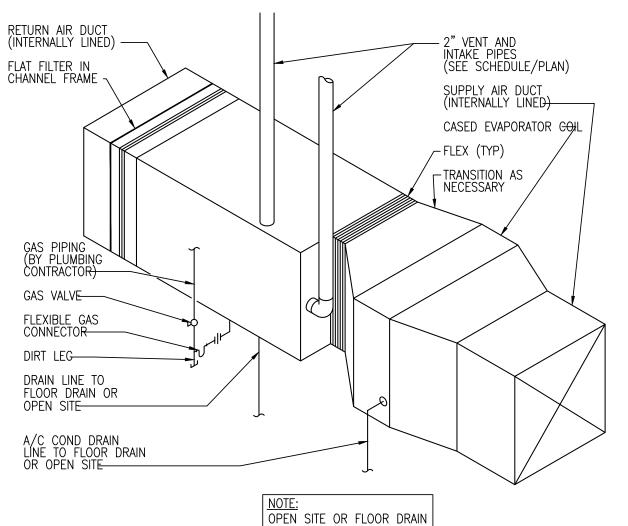
sheet no:

M201

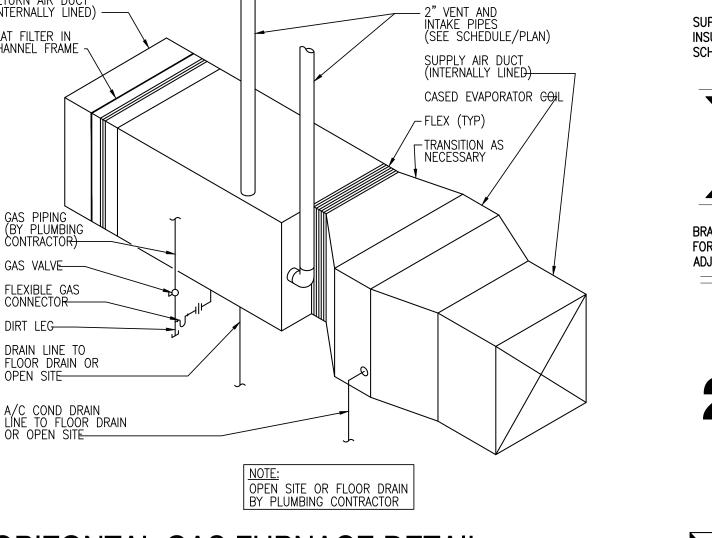


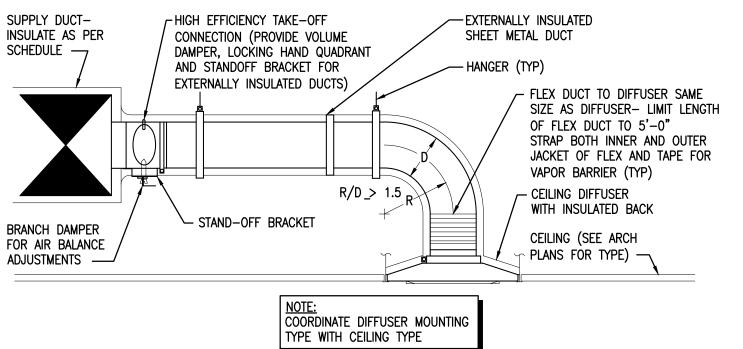


Salas O'Brien Project Number: 2023-04386-00



3 HORIZONTAL GAS FURNACE DETAIL
NOT TO SCALE





2 CEILING DIFFUSER DETAIL
NOT TO SCALE

PENETRATION DAM/

7 SEALER POCKET DETAIL

NOT TO SCALE

ELEC./GAS THRU ROOF

POURABLE

SEALER ----

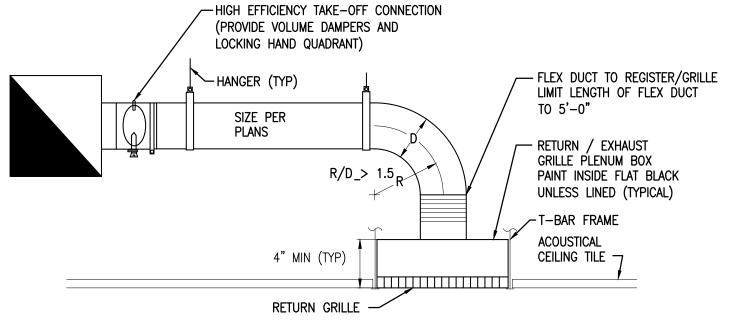
PENETRATION -

CONT. SEALANT

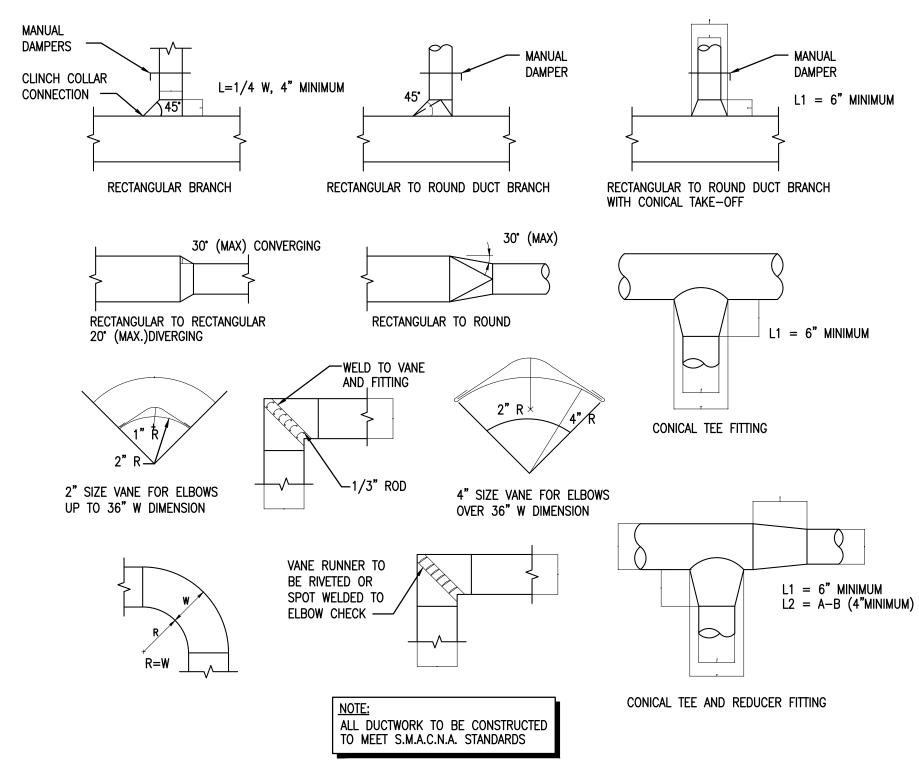
ROOF DECK-

CURB ALL AROUND

&/OR METAL FLUE PIPING -



4 RETURN / EXHAUST AIR GRILLE PLENUM BOX NOT TO SCALE



TYPICAL DUCTWORK DETAILS

CO2 SENSOR

LOCATION BY

MODULATING -

MANUAL VOLUME -

DAMPER

DAMPER

RETURN AIR

FROM ROOM

**EARTHSMART** 

MC TO PAINT ENTIRE

- INTAKE AIR

- ROOF SUPPORT

6 VENT TERMINATION DETAIL

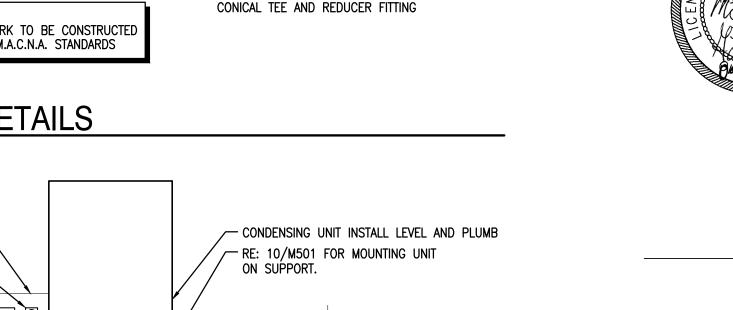
NOT TO SCALE

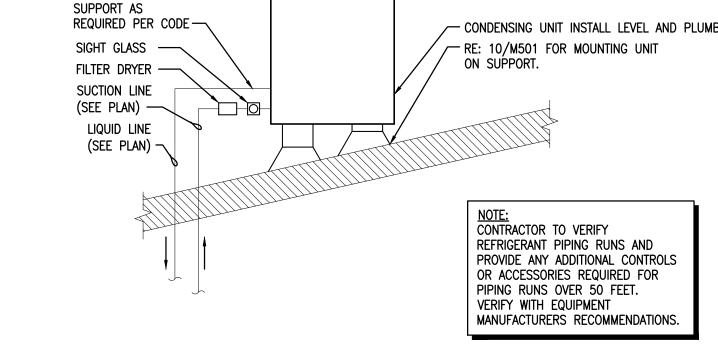
-SHEET METAL ANGLE

ROOF -

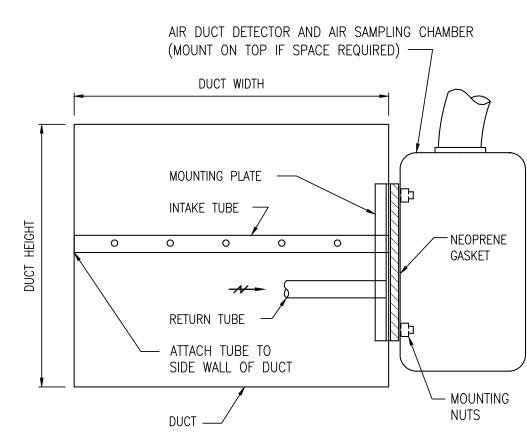
ASSEMBLY ABOVE ROOF LINE

TO MATCH ROOF COLOR





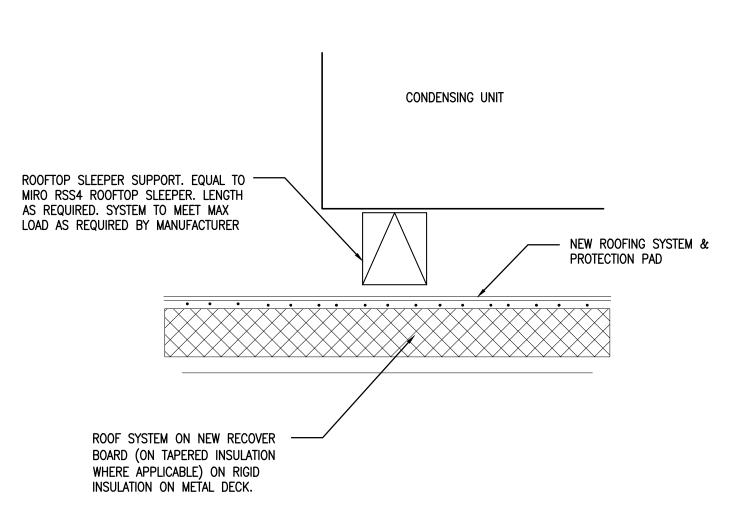
5 CONDENSING UNIT MOUNTING DETAIL
NOT TO SCALE



1. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, AND MOUNTED BY MECHANICAL CONTRACTOR.

- 2. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 3. PROVIDE ACCESS DOOR AT SAMPLING TUBES.
- 4. THE TUBE SHALL BE INSTALLED PARALLEL TO LONG DIMENSION OF DUCT
- 5. PRODUCT SHALL BE UL268A LISTED FOR DUCT MOUNTED SMOKE
- 6. EC SHALL TEST ACCORDING TO UL AND CODES IN THE PRESENCE OF CODE AUTHORITY.

9 CONDENSING UNIT ROOF SUPPORT



EXHAUST AIR-

12" MIN. ABOVE

AVERAGE SNOW

FLASHING —

EXHAUST AIR

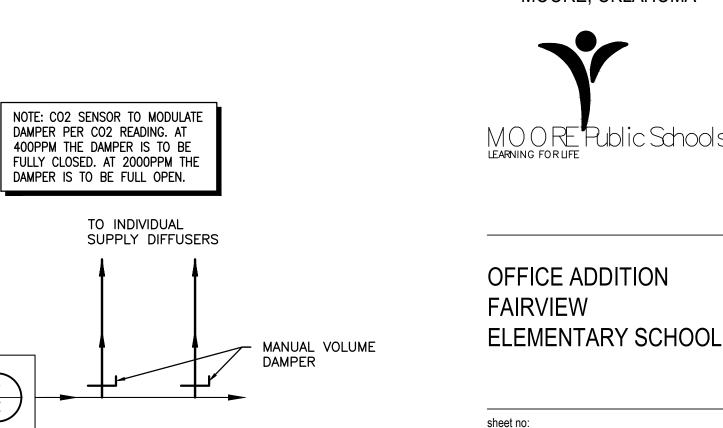
ACCUMULATION —

8 TYPICAL FURNACE AIR BALANCING SCHEMATIC
NOT TO SCALE

OUTSIDE AIR

FROM ROOF

HOOD



sheet no:

the Abla Griffin

Partnership L.L.C.

201 N. BROADWAY

SUITE 210

MOORE, OK. 73160

405.735.3477

AGP@theAGP.net

www.theAGP.net

KFC ENGINEERING

SALAS O'BRIEN

MECHANICAL / ELECTRICAL

drawn by

DMG

checked by

SEPTEMBER 2023

MOORE PUBLIC SCHOOLS **BOARD OF EDUCATION** MOORE, OKLAHOMA

STRUCTURAL

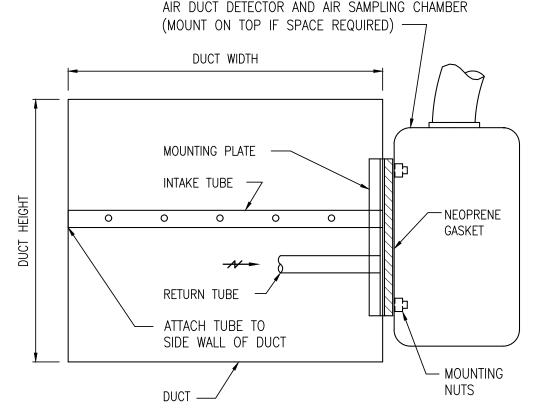
M501

Salas O'Brien. 2600 Van Buren St., Suite 2635 Norman, OK 73072 Salas O'Brien Registration: CA# 7058 Expiration Date: 6/30/2025

Salas O'Brien Project Number: 2023-04386-00

OWNERSHIP USE OF DOCUMENTS: AGP EXPRESSLY RESERVES ITS COPYRIGHT AND OTHER PROPERTY RIGHTS OF ALL PLANS AND DRAWINGS DESIGNED AND/OR PRODUCED. PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED IN ANY FORM OR MANNER WITHOUT THE EXPRESSED WRITTEN

CONSENT OF AGP.



DETECTORS, OR UL268A FOR ALL OTHER SMOKE DETECTOR TYPES.

1 0 SMOKE DETECTOR MOUNTING DETAIL

NOT TO SCALE