

PLUMBING PIPING LEGEND			
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	FIRE DEPARTMENT VALVE AT RISER		SANITARY OR WASTE PIPING ABOVE GRADE (SAN)
	FIRE HYDRANT		SANITARY OR WASTE PIPING BELOW GRADE (SAN)
	FIRE DEPARTMENT CONNECTION		GREASE WASTE PIPING (GW)
	PRESSURE REDUCING VALVE (PRV)		GREASE WASTE PIPING BELOW GRADE (GW)
	BRANCH CONNECTION OUT OF TOP		STORM DRAIN PIPING (SD)
	BRANCH CONNECTION OUT OF BOTTOM		STORM DRAIN PIPING BELOW GRADE (GW)
	BRANCH CONNECTION OUT OF SIDE		SUB-SOIL DRAIN OR FOOTING DRAIN (SSD)
	WYE & 1/8TH BEND BRANCH CONNECTION		ACID WASTE PIPING (AW)
	WYE BRANCH CONNECTION		ACID WASTE PIPING BELOW GRADE (AW)
	HOSE BIBB		PUMPED DISCHARGE (PD)
	PRESSURE GAUGE WITH COCK		CONDENSATE DRAIN PIPING (CD)
	THERMOMETER		CONDENSATE - INDIRECT DRAIN PIPING (D)
	GAS PRESSURE REGULATOR		VENT PIPING (V)
	TEST COCK		COLD WATER PIPING (CW)
	GAS METER		HOT WATER PIPING (HW)
	WALL HYDRANT		HOT WATER RETURN PIPING (HWR)
	VALVE IN RISE		SOFT COLD WATER PIPING (SCW)
	ASME TEMPERATURE & PRESSURE RELIEF VALVE		CHILLED DRINKING WATER PIPING (CDW)
	VACUUM RELIEF VALVE		TRAP PRIMER LINE (TP)
	ANGLE VALVE		FIRE PROTECTION PIPING (F)
	OS&Y VALVE		AUTOMATIC SPRINKLER PIPING (AS)
	ROOF DRAIN		NATURAL GAS PIPING (G)
	FLOW SWITCH		GAS VENT PIPING (GV)
	FLOOR SINK (FS)		COMPRESSED AIR PIPING (A)
	FLOOR DRAIN (FD)		FLOW DIRECTIONAL ARROW
	FLOOR DRAIN WITH P-TRAP (FD)		CIRCUIT SETTER
	FLOOR DRAIN WITH P-TRAP AT 45° ANGLE (FD)		NEW TO EXISTING PIPE CONNECTION
	HUB DRAIN (HD)		PIPE CONNECTION
	WATER METER SYMBOL		HAMMER ARRESTOR (PISTON TYPE)
	ACCESS PANEL FOR TRAP PRIMER OR SHOCK ABSORBER		SHUT-OFF VALVE
	ACCESS PANEL LOCATION SYMBOL		BALANCING VALVE (BV)
	AIR CHAMBER		SOLENOID VALVE (SV)
	NEW CONNECTION		BALL VALVE (BV)
	INVERT ELEVATION		BUTTERFLY VALVE
	DELTA CHANGE SYMBOL		LUBRICATED PACKED PLUG STOP COCK (PC)
	REFER TO KEYED NOTE		HORIZONTAL SWING CHECK
			UNION
			HORIZONTAL SWING CHECK
			REDUCER OR INCREASER
			ECCENTRIC REDUCER
			REDUCED PRESSURE BACKFLOW PREVENTER (RPBFP)
			PIPING DOWN
			RISE OR DROP PIPING
			PIPING UP -OR- PIPING UP & DOWN
			CAP ON END OF PIPE
			CLEANOUT (WALL OR CEILING) (CO)
			FLOOR CLEANOUT (FCO)
			EXTERIOR CLEANOUT WITH 18"x18"x4" CONCRETE PAD (ECO)
			TWO-WAY CLEANOUT (PROVIDE 18"x24"x4" CONCRETE PAD OUTSIDE)

PLUMBING RENOVATION NOTES	
1. WHERE EXISTING PIPING IS DESIGNATED TO BE REMOVED AND CAPPED, ALL PIPING SERVING THE DESIGNATED FIXTURE SHALL BE REMOVED FROM WITHIN WALLS TO THE POINT DESIGNATED ON THE DRAWINGS OR TO A CLEARLY VISIBLE POINT BELOW THE FLOOR IN THE CRAWL SPACE OR ABOVE THE CEILING. PIPING SHALL BE CAPPED BY APPROVED CAPPING METHODS UTILIZING PIPE CAPS INTENDED FOR SUCH USE. ALL CAPS SHALL BE AIRTIGHT AND WATERTIGHT.	
2. WHERE EXISTING SURFACES ARE DISRUPTED DUE TO THE REMOVAL OF EXISTING EQUIPMENT OR PIPING, THIS CONTRACTOR SHALL BE RESPONSIBLE OF THE REPAIR OF DISRUPTED SURFACES TO MATCH EXISTING ADJACENT SURFACES.	
3. SANITARY VENT THROUGH ROOF PENETRATIONS SHALL BE CAPPED BOTH BELOW AND ABOVE THE ROOF SURFACE AND LEFT IN PLACE FOR POSSIBLE FUTURE USE.	
4. PLUMBING FIXTURES DESIGNATED TO BE REUSED SHALL BE CLEANED AND MAINTENANCE SERVICED TO OPERATE AS INTENDED.	
5. EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS ARE TAKEN FROM ORIGINAL AND AS-BUILT DRAWINGS OF THE BUILDING AND IN PART ARE UNVERIFIED. FIELD CONDITIONS SHALL GOVERN. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO INITIATION OF WORK. ALL DEVIATIONS FROM PLANS SHALL BE APPROVED BY ENGINEER OF RECORD PRIOR TO BEGINNING WORK.	
6. ALL EXISTING SANITARY, DOMESTIC WATER, RAINWATER, AND FIRE PROTECTION PIPING SHALL BE RELOCATED TO CREATE REQUIRED SPACE FOR INSTALLATION OF ALL NEW SERVICES FOR NEW CONSTRUCTION, INCLUDING BUT NOT LIMITED TO H.V.A.C., ELECTRICAL, PLUMBING, AND FIRE PROTECTION TRADES. CONTRACTOR SHALL INCLUDE ALL NEW PIPING AND FITTINGS REQUIRED AND RELOCATE ANY AND ALL EXISTING SERVICES.	
7. ALL EXISTING PIPING, NOT REMAINING IN SERVICE AFTER NEW CONSTRUCTION, SHALL BE REMOVED.	
8. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING PLUMBING FIXTURES AND TRIM, PIPING, VALVES, ETC. IN AREAS TO BE DEMOLISHED.	
9. ALL EXISTING PLUMBING FIXTURES TO BE REMOVED AND ARE NOT TO BE REUSED SHALL REMAIN THE PROPERTY OF THE OWNER. DISCARD UNWANTED FIXTURES AT THE DISCRETION OF THE OWNER.	
10. PIPING WHICH IS TO REMAIN IN SERVICE SHALL NOT BE DISTURBED. EXISTING PIPING BROKEN DURING CONSTRUCTION SHALL BE REPLACED WITH NEW PIPING OF THE SAME SIZE AND MATERIAL AT NO ADDITIONAL COST.	
11. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS APPROVED BY THE AUTHORITIES HAVING JURISDICTION TO THE ARCHITECT/ENGINEER FOR ANY PIPING CONFIGURATIONS AND SIZES THAT DIFFER FROM THOSE SHOWN ON PLUMBING DRAWINGS AS A RESULT OF EXISTING SITE CONDITIONS AND/OR EXISTING PIPING LOCATIONS.	
12. EXISTING BUILDING SEWERS THAT ARE USED WITH NEW BUILDING SANITARY SEWERS SHALL BE EXAMINED AND TESTED TO CONFORM IN ALL RESPECTS TO ALL REQUIREMENTS OF PLUMBING AUTHORITY HAVING JURISDICTION AND APPLICABLE PLUMBING CODES.	
13. ALL EXISTING SANITARY, DOMESTIC WATER, AND RAINWATER PIPING THAT ARE LOCATED IN EXISTING WALLS TO BE DEMOLISHED AND REMAINING IN SERVICE AFTER CONSTRUCTION SHALL BE RELOCATED TO NEW WALLS, CHASES, ETC.	
14. COORDINATE WITH GENERAL CONTRACTOR TO PATCH ALL EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED BY NEW WORK. SEE SPECIFICATIONS.	

PLUMBING ABBREVIATIONS			
AG	ABOVE GRADE	MECH	MECHANICAL
ADD	ADDENDUM	MIN	MINIMUM
ADDL	ADDITIONAL	MS	MOP SINK
ADJ	ADJUSTABLE	(N)	NEW
AFF	ABOVE FINISHED FLOOR	NG	NATURAL GAS
AFG	ABOVE FINISHED GRADE	NTS	NOT TO SCALE
ALT	ALTERNATE	NPCW	NON POTABLE COLD WATER
BFF	BELOW FINISHED FLOOR	ORD	OVERFLOW ROOF DRAIN
BG	BELOW GRADE	OSD	OVERFLOW STORM DRAIN
CO	CLEANOUT	PC	PLUMBING CONTRACTOR
COL	COLUMN	PH	PEDESTAL HYDRANT
CW	COLD WATER	PLBG	PLUMBING
DN	DOWN	PRES	PRESSURE
DW	DISHWASHER	QTY	QUANTITY
(E)	EXISTING	RD	ROOF DRAIN
EC	ELECTRICAL CONTRACTOR	RTU	ROOFTOP UNIT
ECO	EXTERIOR CLEANOUT	S	SINK
EQ	EQUAL	SAN	SANITARY
EWC	ELECTRIC WATER COOLER	SCH	SCHEDULE
FCO	FLOOR CLEANOUT	SD	STORM DRAIN
FD	FLOOR DRAIN	SPEC	SPECIFICATIONS
FLR	FLOOR	SS	STAINLESS STEEL
FT	FOOT (FEET)	TEMP	TEMPERATURE
F	FURNACE	TG	TRAP GUARD
FRH	FREEZELESS ROOF HYDRANT	TMV	THERMOSTATIC MIXING VALVE
FWH	FREEZELESS WALL HYDRANT	TYP	TYPICAL
GAL	GALLON	UR	URINAL
GC	GENERAL CONTRACTOR	V	VENT
GPM	GALLONS PER MINUTE	VTR	VENT THRU ROOF
GW	GREASE WASTE	WI	WITH
HW	HOT WATER	WCO	WALL CLEANOUT
HWR	HOT WATER RETURN	WC	WATER CLOSET
L	LAVATORY	WYH	WATER YARD HYDRANT
MC	MECHANICAL CONTRACTOR		

GENERAL PLUMBING NOTES	
1. THESE DRAWINGS SHALL NOT BE SCALED. SEE ARCHITECTURAL/CIVIL DRAWINGS FOR DIMENSIONAL INFORMATION. THIS ENGINEER WILL NOT BE LIABLE FOR MISCALCULATED PRODUCT TAKE-OFFS DUE TO SCALING OF DRAWINGS.	
2. ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. 2" SANITARY OR SMALLER SHALL HAVE A 1/4" PER FOOT SLOPE.	
3. VENT PIPING SHOWN ON FLOOR PLANS IS DIAGRAMMATIC EXCEPT FOR VENT THRU ROOF (VTR) LOCATIONS.	
4. VALVES AND FITTINGS SHALL BE OF SAME SIZE AS THE LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.	
5. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.	
6. CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ENGINEER OF ANY DISCREPANCIES.	
7. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.	
8. ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.	
9. CHANGES IN THE DIRECTION OF SANITARY DRAIN PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (I.E.: USE OF SANITARY TEE IN A HORIZONTAL CONNECTION, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).	
10. CONTRACTOR SHALL GIVE 48 HOURS HOUR EMERGENCY LOCATE NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.	
11. ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.	
12. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.	
13. SITE UTILITY CONNECTIONS SHALL BE PROVIDED ON CIVIL DRAWINGS. ALL SERVICES SHOWN ON THIS SET OF PLANS TERMINATE 5'-0" FROM BUILDING, UNLESS SHOWN OTHERWISE ON DRAWINGS. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE UTILITIES. (INC. CLEAN OUTS, INCREASES, BACKWATER VALVES, ETC.)	
14. COORDINATE WITH ARCHITECT/GENERAL CONTRACTOR FOR INSTALLATION OF HOSE BIBS. HEIGHT OF INSTALLATION SHALL BE DETERMINED IN FIELD.	
15. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.	
16. ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.	
17. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.	
18. CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.	
19. DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER. PROVIDE LINK-SEALS IN ALL PENETRATIONS OF EXTERIOR WALLS.	
20. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE IN PROVIDED CEILING SPACE.	
21. COORDINATE PIPING INSTALLATION AS TO NOT INTERFERE WITH HVAC EQUIPMENT ACCESS.	
22. ANY ERRORS OR AMBIGUITIES IN THE PLANS AND/OR SPECIFICATIONS THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE ARCHITECT/ENGINEER BEFORE WORK IS STARTED. OMISSION OF PARTICULAR REFERENCE TO ANY ITEM NECESSARY FOR COMPLETE INSTALLATION AND PROPER OPERATION THEREOF SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING THE SAME AT NO EXTRA COST. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONSTRUCTION DOCUMENTS FOR INFORMATION PRIOR TO BID.	
23. VERIFY WITH ARCHITECT ON ALL EQUIPMENT AND FIXTURES REQUIRING PLUMBING PRIOR TO BID. COORDINATE EXACT LOCATIONS AND CONNECTIONS.	
24. ALL WORK SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES.	
25. CONTRACTOR SHALL PAY ALL FEES, PERMITS, LICENSES, ETC. NECESSARY FOR PROPER COMPLETION OF WORK.	
26. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	
27. PROVIDE TRAP GUARDS ON ALL FLOOR DRAINS, FLOOR SINKS AND OPEN SITES.	
28. PROVIDE RIGID CONNECTION BETWEEN ALL SENSOR VALVES AND SENSOR LOCATION.	
29. MOUNT ALL FIXTURE SENSORS PER MANUFACTURER'S RECOMMENDATIONS.	

PLUMBING SHEET INDEX	
P000	PLUMBING TITLE SHEET
PD101	PLUMBING DEMOLITION PLAN
P101	PLUMBING PLAN
P201	PLUMBING ROOF PLAN
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES
P602	PLUMBING SPECIFICATIONS

AGP
the Abila Griffin
Partnership L.L.C.

313 S. E. 5th Street
MOORE, OK. 73160
405.735.3477
AGP@theAGP.net
www.theAGP.net

CEDAR CREEK
CIVIL

KFC ENGINEERING
STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL



KS
drawn by

KP
checked by

APRIL 2026
date

REVISIONS		
Δ	DESCRIPTION	DATE

MOORE
PUBLIC SCHOOLS

SOUTHGATE
ELEMENTARY
KITCHEN UPGRADES
and ADDITION

sheet no:

P000

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.

Salas O'Brien, Inc. - Oklahoma City
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Call: 9820 Expiration Date: 06/30/2027
Salas O'Brien Project Number: 2650-00226-00