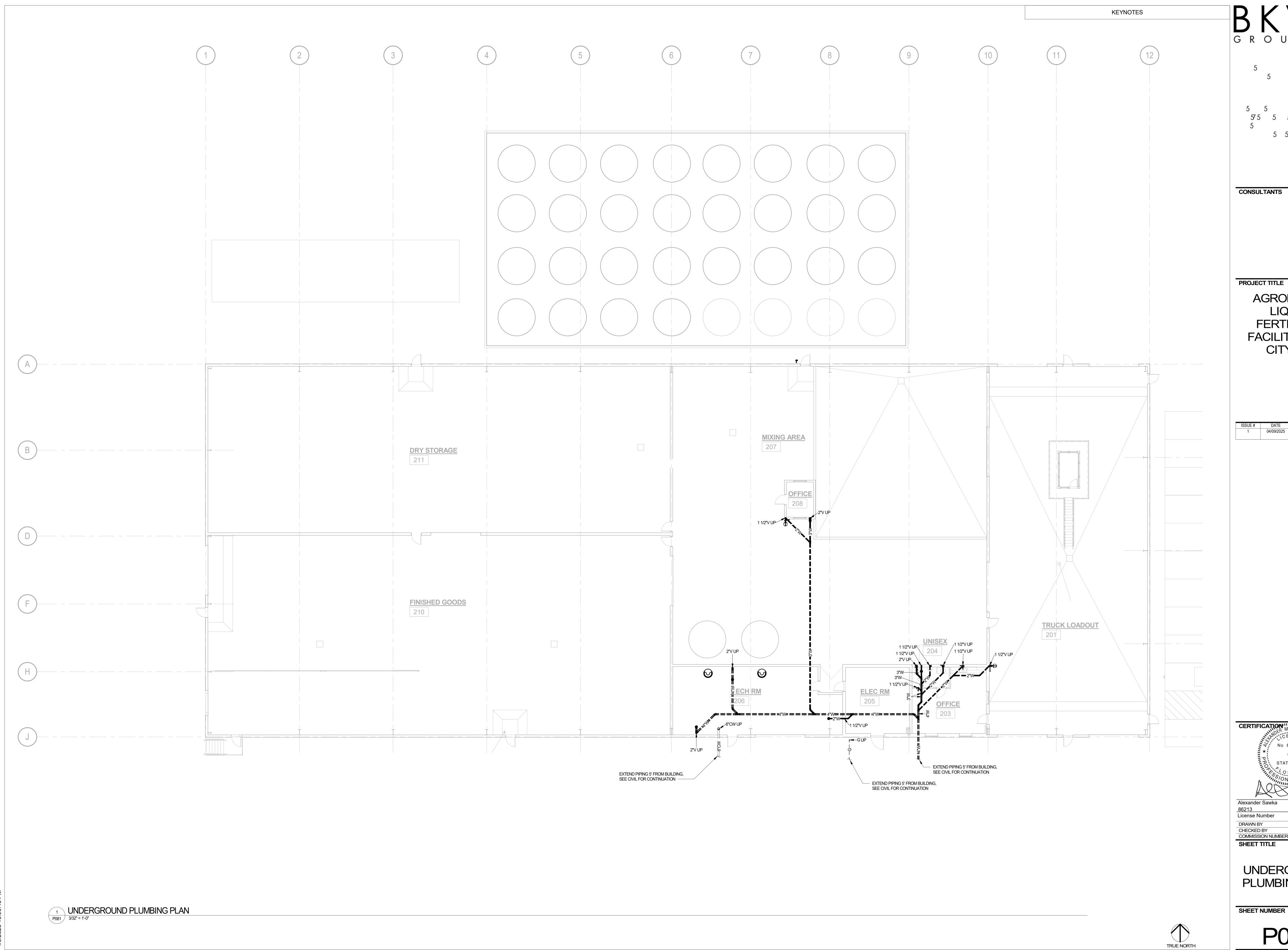


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AMS

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CONSTRUCTION



PROJECT TITLE

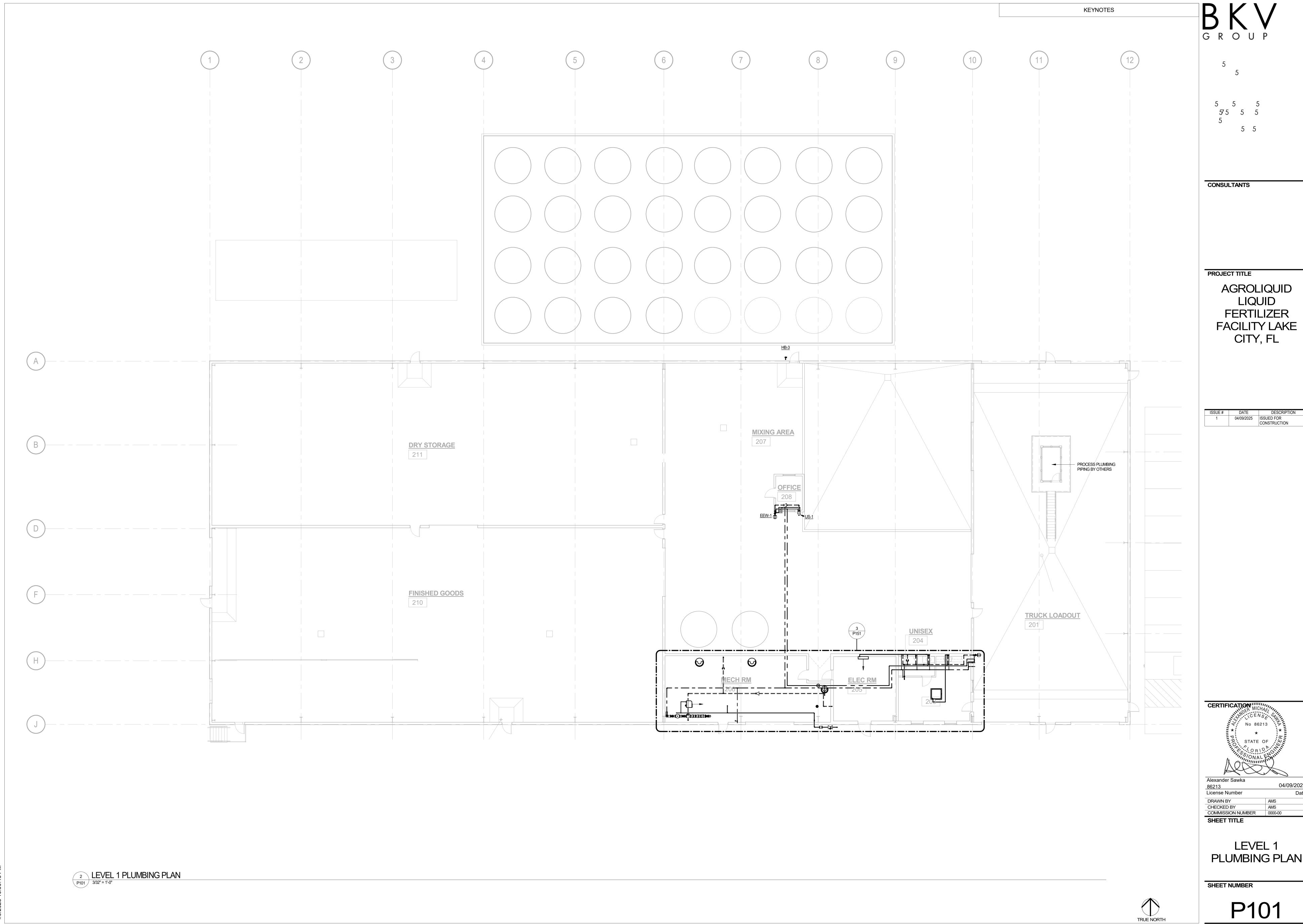
AGROLIQUID LIQUID **FERTILIZER** FACILITY LAKE CITY, FL

DATE DESCRIPTION
04/09/2025 ISSUED FOR
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DRAWN BY AMS
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COMMISSION NUMBER 0000-00

UNDERGROUND PLUMBING PLAN

P081



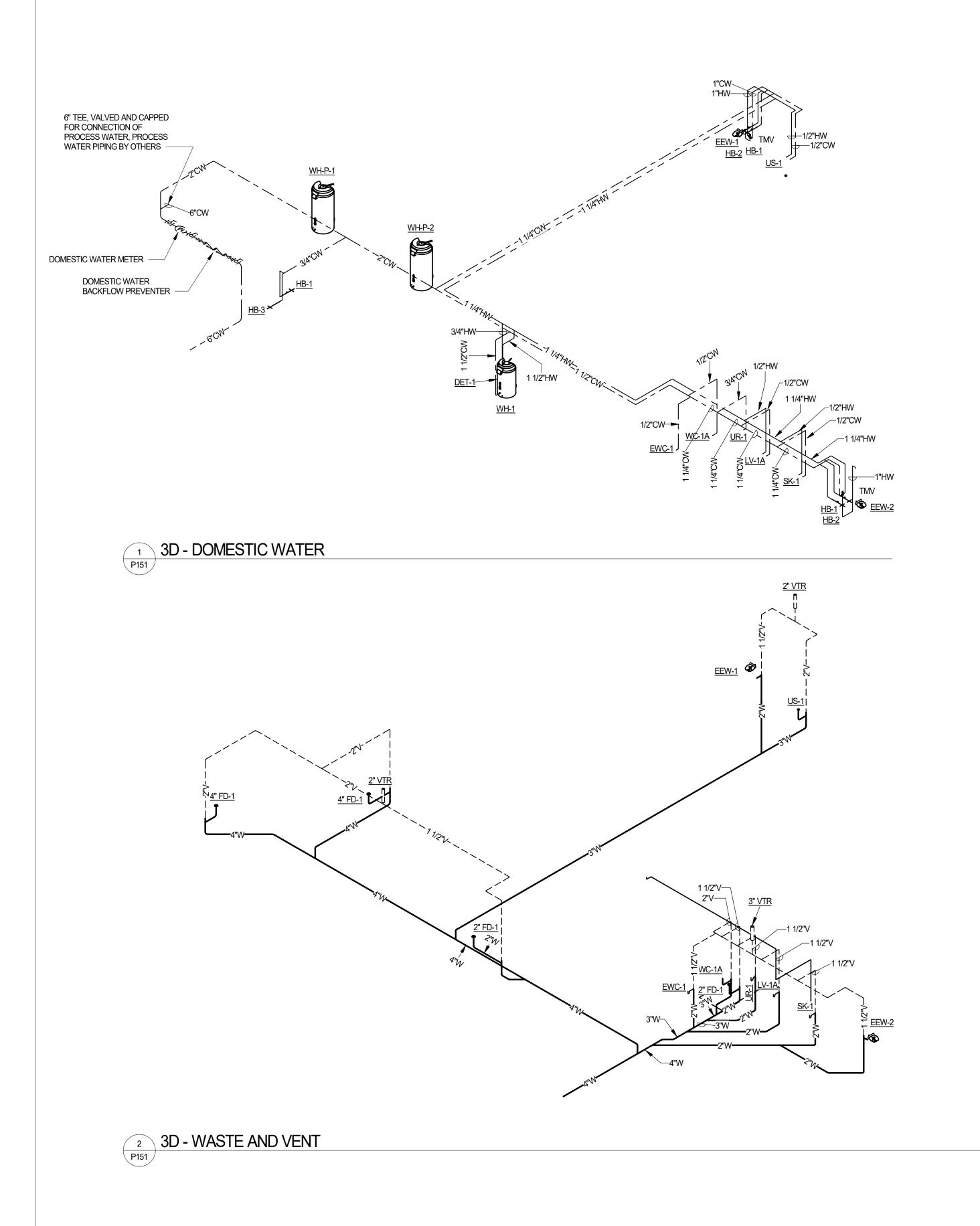
AGROLIQUID LIQUID **FERTILIZER**

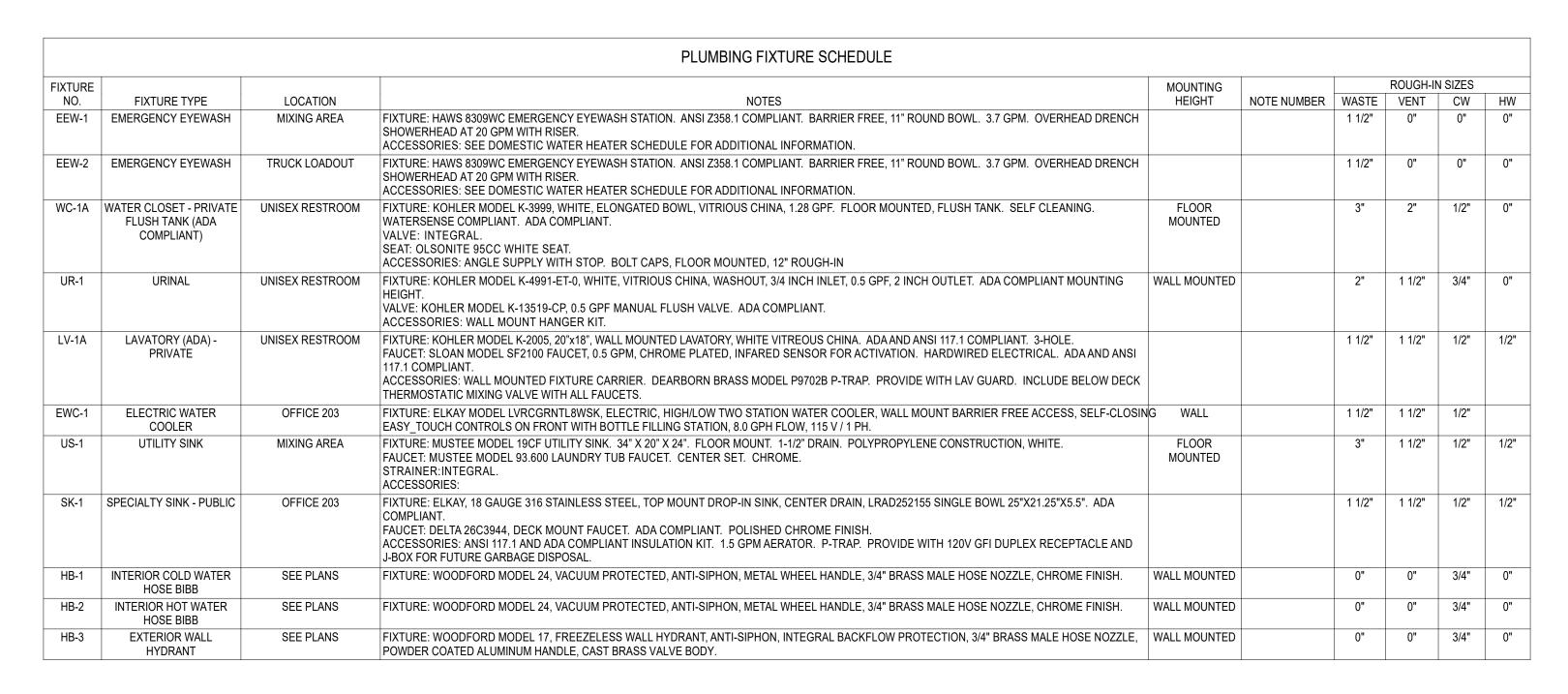
DATE DESCRIPTION
04/09/2025 ISSUED FOR
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SHEET TITLE

LEVEL 1 PLUMBING PLAN

P101

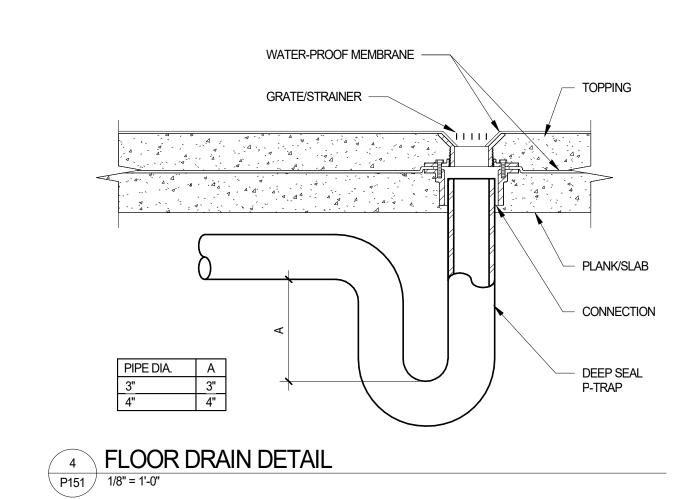


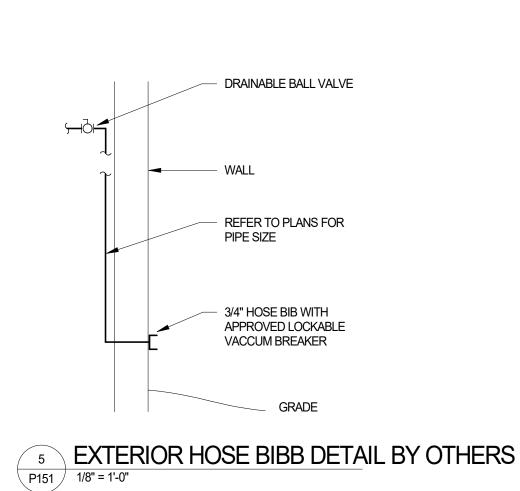


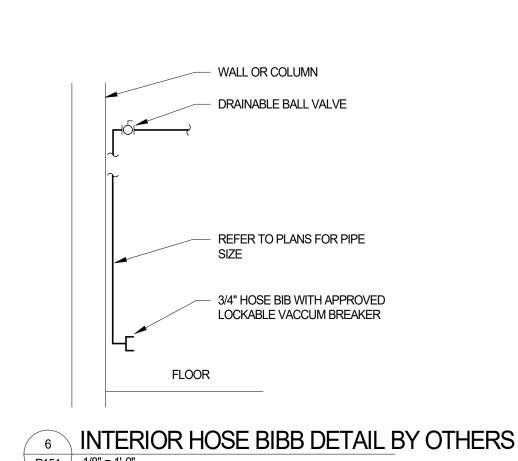
				Fl	OOR AND	ROOF DR	AINAGE SC	HEDULE					
					DR	AIN				STRAIN	IER		
				BOI	DY	OU.	TLET		SIZE				
TAG	LOCATION	MANUFACTURER	MODEL	MATERIAL	SHAPE	SIZE	LOCATION	DIAMETER	LENGTH	WIDTH	MATERIAL	FINISH	NOTES
FD-1	SEE PLANS	JOSAM	30002-A	CAST IRON ROUND 2" BOTTOM 6" 0" NICKEL BRONZE SATIN									
FD-1	SEE PLANS	JOSAM	30004-A	CAST IRON	ROUND	4"	BOTTOM	6"	0"	0"	NICKEL BRONZE	SATIN	

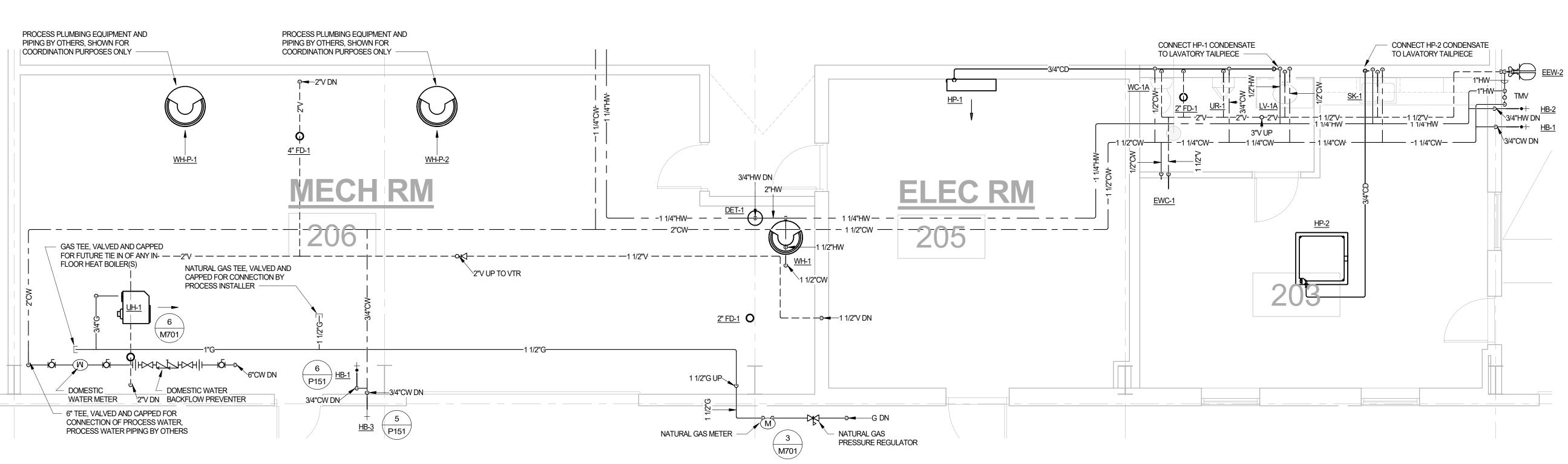
			DOMESTIC	WATER EXPANSION	ON TANK SCH	EDULE		
						TANK VOLUM E		
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	TOTAL	WEIGHT	NOTES
DET	1	MECH ROOM	MECH ROOM	AMTROL	ST-20V-C	8.0	108	

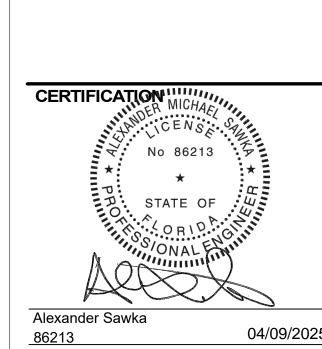
			THERM	OSTATIC MIXING	VALVE SCHED	ULE				
							CC	NNECTIC	NS	
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	TYPE	CW	HW	TW	NOTE
TMV	Α	EYEWASH	EYEWASH	WATTS	1-ZW1070C	1"	1"	1"	1"	
TMV	Α	EYEWASH	EYEWASH	WATTS	1-ZW1070C	1"	1"	1"	1"	











*5*75 5 5

CONSULTANTS

PROJECT TITLE

AGROLIQUID

LIQUID

FERTILIZER

FACILITY LAKE

04/09/2025 ISSUED FOR CONSTRUCTION

Alexander Sawka
86213

License Number

DRAWN BY

CHECKED BY

COMMISSION NUMBER

O000-00

SHEET TITLE

ENLARGED PLUMBING PLANS

SHEET NUMBER

P151

3 ENLARGED PLUMBING PLAN 1/4" = 1'-0"

	A		L	REFERENCE SYMBOLS		MECHANICAL SYMBOLS			I		L AND PLUMBII			MECHANICAL SHEET INDEX	D V
AC A/C A/D	AIR COMPRESSOR AIR CONDITIONING AREA DRAIN	L LAT LAV	LONG, LENGTH LEAVING AIR TEMPERATURE LAVATORY	REFERENCE SYMBOLS INDICATE THAT ADDITIONAL INFORMATION CONCERNING THE PART OF THE WORK REFERENCED MAY BE FOUND AT THE LOCATION INDICATED BY THE SYMBOL AND AS	SYMBOL - DOUBLE LINE	SYMBOL - SINGLE LINE SAME AS DOUBLE LINE	DESCRIPTION DI ANTE NUMBER	ABBR		DESCRIPTION - CHILLED WATER SUPPLY	ABBR CO	SYMBOL	DESCRIPTION END OF PIPE CLEANOUT	SHEET # SHEET NAME M001 MECHANICAL COVERSHEET M002 MECHANICAL NOTE SHEET	=DN
ADD ADDL AFF	ADDENDUM ADDITIONAL ABOVE FINISH FLOOR	LB(S) LF LOC	POUND(S) LINEAR FOOT, FEET LOCAT(E)(ION)	DESCRIBED BELOW.		SAME AS DOUBLE LINE	PLAN I.D. NUMBER	CWR	CD	- CHILLED WATER RETURN - CONDENSATE DRAINAGE	FCO WCO	<u> </u>	FLOOR CLEANOUTWALL CLEANOUT	M101 LEVEL 1 MECHANICAL PLAN M701 MECHANICAL DETAILS	G R O
AFMS AHU ALT	AIRFLOW MEASURING STATION AIR HANDLING UNIT ALTERNATE	LVL LWR	LEVEL LEAVING WATER TEMPERATURE	DETAIL CALLOUT: INDICATES DETAIL CALLOUT NUMBER	SUPPLY AIR RETURN AIR	SAME AS DOUBLE LINE	AIR FLOW ARROW	PCD		- PUMPED CONDENSATE DRAINAGE	YCO	•	YARD CLEANOUT	ME801 MECHANICAL AND ELECTRICAL SCHEDULES	
AMP AP APD	AMPERE ACCESS PANEL AIR PRESSURE DROP	MA	MIXED AIR	INDICATES SHEET WHERE DETAIL CALLOUT IS DRAWN	— EXHAUST AIR		SUPPLY AIR DUCT TURNING UP		CS			×	PIPE ANCHOR		5 5
APPROX ARCH AS AVG	APPROXIMATE(LY) ARCHITECT(URAL) AIR SEPARATOR AVERAGE	MAT MATL MAU	MIXED AIR TEMPERATURE MATERIAL MAKEUP AIR UNIT MAXIMUM	DETAIL:			AND DOWN	HWS	HWS-			-			
AVG	AVERAGE	MB MBH MCC	MOP BASIN THOUSAND BTUH MOTOR CONTROL CENTER	?			RETURN AIR DUCT TURNING UP AND DOWN	SMS	HWR	- HOT WATER HEATING RETURN - SNOW MELTING SYSTEM SUPPLY		<u></u>	DIDE END OAD		5_5
B	BOILER	MD MECH MED	MOTORIZED DAMPER MECHANICAL MEDIUM	INDICATES AREA OF DETAIL CUT PARALLEL TO VIEW			EXHAUST AIR DUCT TURNING UP		SMR	- SNOW MELTING SYSTEM RETURN - LOW PRESSURE STEAM SUPPLY		——————————————————————————————————————			<i>5</i> 5 5 5
BFE BFP BFV	BOTTOM OF FOOTING ELEVATION BACKFLOW PREVENTER BUTTERFLY VALVE	MEZZ MFR(G) MISC	MEZZANINE MANUFACTUR(E) (ER) (ING) MISCELLANEOUS				AND DOWN		LPR			0	PIPE TEE DOWN		5
BHP BLDG BM BMS	BREAK HORSEPOWER BUILDING BEAM BUILDING MANAGEMENT SYSTEM	MIN MS	MINIMUM, MINUTE MOP SINK			S WxH ▷ Ø S	ROUND AND RECTANGULAR DUCT TRANSITION	MPS MPR	MPS			<u> </u>	PIPE TEE UPPIPE UNION		
BSMT BO BOF	BASEMENT BOTTOM OF BOTTOM OF FOOTING	NA NC	NOT APPLICABLE NOISE CRITERIA, NORMALLY CLOSED	DETAIL PLAN OR ELEVATION:				HPS	——HPS—			0	PIPE UP		
BOS BTU BTUH	BOTTOM OF STEEL BRITISH THERMAL UNIT BRITISH THERMAL UNIT PER HOUR	NIC N.O. NO	NOT IN CONTRACT NORMALLY OPEN NITRIC OXIDE	? INDICATES AREA OF ENLARGED PLAN OR ENLARGED ELEVATION		S	FLEXIBLE CONNECTION		HPR	- HIGH PRESSURE STEAM RETURN - PUMPED STEAM CONDENSATE		—	FLOW ARROW		CONSULTANT
BV BWV	BALL VALVE BACKWATER VALVE	N_2O NO_2 NTS	NITROUS OXIDE NITROGEN DIOXIDE NOT TO SCALE			\$	ONE SIDED DUCT EXPANSION OR CONTRACTION	DI	DI	- REFRIGERANT LIQUID LINE		•	CONNECT TO EXISTING POINT OF DISCONNECT		
	C		\circ				TWO SIDED DUCT EXPANSION OR	RS	RS			∇	POINT OF DISCONNECT		
CA CD	COMBUSTION AIR CONDENSATE DRAIN	O ₂ OA	OXYGEN OUTSIDE AIR	DETAIL CALLOUT: INDICATES DETAIL NUMBER		\$	CONTRACTION	RG	RG	- REFRIGERANT HOT GAS LINE	HB	→	BOILER DRAIN HOSE BIBB		
CF CFH CFM CFRD	CUBIC FEET CUBIC FEET PER HOUR CUBIC FEET PER MINUTE CONTROLLER FLOW ROOF DRAIN	OCV OCV	ON CENTER ON CENTER HORIZONTAL ON CENTER VERTICAL OUTSIDE DIAMETER	A101			FLEXIBLE DUCT	FO			WH	+	WALL HYDRANT		
CH CIRC CKT	CHILLER CIRCULATING CIRCUIT	OFS OH OPT	OVERFLOW SCUPPER OVERHEAD OPTION	INDICATES SHEET WHERE DETAIL IS DRAWN		A.P.			FOR		YH	+	YARD HYDRANT		
CKV CO CO ₂	CHECK VALVE CLEANOUT, CARBON MONOXIDE CLEANOUT, CARBON DIOXIDE	ORD OST	OVERFLOW ROOF DRAIN OVERFLOW STORM DRAINAGE	INDICATES AREA OF DETAIL CUT PERPENDICULAR TO VIEW	A.P.	\$ A.P. ₩ ₩ \$	ACCESS PANEL	FOV	FOV—	OAO DIDINO	AD FD		AREA DRAIN FLOOR DRAIN		PROJECT TIT
COMB CONC COND	COMBINATION CONCRETE CONDENSATE		Р	BUILDING SECTION: INDICATES BUILDING	(x) (x) Y	├ ─── ├	ROUND DUCT OFF-SET UP OR DOWN	LP	LP		HD		HOPPER DRAIN		AGR
CONN CONT CONST COORD	CONNECT(ED) (ION) CONTINU(E) (OUS) (ATION) CONSTRUCTION COORDINATE	PACU PCC PC	PACKAGED AIR CONDITIONING UNIT PRECAST CONCRETE PUMPED CONDENSATE	SECTION NUMBER					H	HUMIDISTAT	ORD		OVERFLOW ROOF DRAIN		FER
CORR CT CTRL	CORRIDOR COOLING TOWER CONTROL	PD PERIM PH	PUMPED DISCHARGE PERIMETER PHASE	INDICATES SHEET WHERE BUILDING SECTION IS DRAWN		← ⊃	ROUND DUCT ELBOW DOWN		ė	PRESSURE SENSOR	RD		ROOF DRAIN		FACIL
CW	CABINET UNIT HEATER COLD WATER	PIV PLBG PROJ PRV	POST INDICATOR VALVE PLUMBING PROJECT PRESSURE REDUCING VALVE (PLBG)	WALL SECTION:		\$ —————————	ROUND DUCT ELBOW UP		(S)	SENSOR THERMOSTAT					CI
	DEEP, DEPTH	PSF PSI	POWER ROOF VENTILATOR (HVAC) POUNDS PER SQ FT POUNDS PER SQUARE INCH	INDICATES WALL SECTION NUMBER	В М	, BM				CARBON MONOXIDE SENSOR					
dB DB DBL	DECIBELS DRYBULB DOUBLE	PSIG PTAC PVC	POUNDS PER SQUARE INCH, GAUGE PACKAGED TERMINAL AIR CONDITIONING POLYVINYL CHLORIDE	INDICATES SHEET WHERE WALL SECTION IS DRAWN		\$ 	VOLUME DAMPER BACKDRAFT DAMPER MOTORIZED DAMPER		(co) (vo2)	NITROGEN DIOXIDE SENSOR					
DDC DEG DEMO	DIRECT DIGITAL CONTROL DEGREE(S) DEMO(LISH)(LITION)		Q	EXTERIOR ELEVATION: INDICATES EXTERIOR	R F S FS	R F S FS	RADIANT CEILING FIRE DAMPER FIRE DAMPER SMOKE DAMPER		<u></u>	CARBON DIOXIDE SENSOR					
DEPT DET DIFF	DEPARTMENT DETAIL, DOMESTIC EXPANSION TANK DIFFUSER	QTY	QUANTITY	? ELEVATION NUMBER	16x6		FIRE / SMOKE DAMPER PROPORTIONAL SPLIT-		P	PRESSURE CONTROLLER					ISSUE# DA
DIA DIM DPS DISC	DIAMETER DIMENSION DIFFERENTIAL PRESSURE SENSOR DISCONNECT	 R	RADIUS	INDICATES SHEET WHERE EXTERIOR ELEVATION IS DRAWN	20x6 12x6	\$\frac{16x6}{12x6}\$	SUPPLY (SIZED ON PERCENTAGE OF AIR FLOW)		<u> </u>	PRESSURE GAUGE THERMOSTATIC CONTROLLER					1 04/09/
DIV DMPR DN	DIVI(DE)(DED)(DER)(SION) DAMPER DOWN	RA RAD RD	RETURN AIR RADIAT(OR) (ION) ROOF DRAIN	INTERIOR ELEVATION (SINGLE):		S	BRANCH TAKE-OFF	200		THERMOMETER					
DOC DWG(S)	DOCUMENT(S) DRAWING(S)	REG REQ(D) REQM RET	REGISTER REQUIRE(D) REQUIRMENT RETURN	1— INDICATES INTERIOR ELEVATION NUMBER		<i>y</i>		DPS	(DP)	- DIFFERENTIAL PRESSURE SENSOR					
	EACH, EXHAUST AIR	REV RH RM	REVIS(E) (ED) (ION) RELATIVE HUMIDITY ROOM	INDICATES SHEET			CONICAL SPIN-IN DUCT FITTING								
EAT ECM ELEC ELEV	ENTERING AIR TEMPERATURE ELECTRONICALLY COMMUTATED MOTOR ELECTRIC(AL) ELEVATOR	Rn RPM RPZ	RADON REVOLUTIONS PER MINUTE REDUCED PRESSURE ZONE VALVE	WHERE INTERIOR ELEVATION IS DRAWN		\$	SECURITY BARS	BAL. V		- BALANCING VALVE					
EMER EMS ENGR	EMERGENCY EMERGENCY MANAGEMENT SYSTEM ENGINEER	RIU R&R	ROOFTOP UNIT REMOVE AND REPLACE	INTERIOR ELEVATION (MULTIPLE): ?───────────────────────────────────		•		BFP	[511]						
EQ EQUIP ESP	EQUAL EQUIPMENT EXTERNAL STATIC PRESSURE	S 80	SENSOR SUPPLY AIR	? ? ?		5	DUCT WITH LINING		——————————————————————————————————————						
EI EWC EWH	EXPANSION TANK ELECTRIC WATER COOLER ELECTRIC WATER HEATER ENTERING WATER TEMPERATURE	SAT SCHED SCW	SOUND ATTENUATOR SCHEDULE SOFTENED COLD WATER	? INDICATES SHEET WHERE INTERIOR ELEVATION IS DRAWN		\$	SQUARE ELBOW WITH TURNING VANES		——————————————————————————————————————						
EX EXT	EXISTING EXTERIOR	SD SDT SF	SMOKE DAMPER SMOKE DETECTOR SQUARE FEET	NEW GRID LINES:	<u> </u>	<u></u>			— □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	- CIRCUIT SETTER - FLOW VENTURI - GAS COCK					
	FAHRENHEIT	SFD SIM SK SOG	SMOKE FIRE DAMPER SIMILAR SPECIALTY SINK SLAB ON GRADE	?			FULL SWEEP ELBOW (1.5 RADIUS)			- GAS REGULATOR					
F FC FCO	FIRE PIPE, FIRE DAMPER FAN COIL FLOOR CLEANOUT	SP SPKLR SQ	STATIC PRESSURE SPRINKLER SQUARE		VAV-#	<u>VAV-#</u>	VARIABLE AIR VOLUME BOX W/REHEAT COIL	GV							
FCU FD FDC	FAN COIL UNIT FLOOR DRAIN FIRE DEPARTMENT CONNECTION	SS ST STD	STAINLESS STEEL STORM DRAINAGE STANDARD		<u>VAV-#</u>	VAV-#		PRV	PRV	- PRESSURE REDUCING VALVE					
FDPR FDV FF FFF	FIRE DAMPER FIRE DEPARTMENT VALVE FINISHED FLOOR FINISHED FLOOR ELEVATION	STRN STRUC SV	STRAINER STRUCTURAL STACK VENT			\$	VARIABLE AIR VOLUME BOX	RPZ		- REDUCED PRESSURE ZONE VALVE					
FLEX FLR FLS	FLEXIBLE FLOOR FLAMMABLE LIQUID SEPARATOR		THERMOSTAT	EXISTING GRID LINES:		S	HUMIDIFIER DISPERSION TUBE IN DUCT		——⋈——————————————————————————————————	RELIEF VALVE - SHUTOFF VALVE					
FP FPM FSP	FIREPROOF(ING) FEET PER MINUTE FIRE STANDPIPE FIRE PUMP TEST HEADER	TC TCC TD	TEMPERATURE CONTROL TEMPERATURE CONTROL CONTRACTOR TEMPERATURE DIFFERENCE	?	<u>III</u>		POWER AND GRAVITY VENT,	0===	<u>S</u>	SOLENOID VALVE					
FPTH FT(') FT ² FTG	FOOT, FEET SQUARE FEET FOOTING	TEMP TMV TOS	TEMPERATURE THERMOSTATIC MIXING VALVE TOP OF STEEL			SAME AS DOUBLE LINE	EXHAUST	SIRN	— 						
FT HD FTR F&T	FEET OF HEAD FINNED TUBE RADIATION FLOAT AND THERMOSTATIC TRAP	TYP	TAMPER SWITCH TYPICAL			SAME AS DOUBLE LINE	POWER AND GRAVITY VENT, INTAKE			- THERMOSTATIC MIXING VALVE					
	GAUGE	U III	URINAL UNIT HEATER	REVISION: REVISION NUMBER - SEE		CAME AS BOURT TO THE	CEILING AIR TERMINAL DEVICE SUPPLY, RETURN AND EXHAUST			- VALVE IN VERTICAL PIPE - 2-WAY, 2-POSITION CONTROL VALVE					CERTIFICATION
GAL GALV GC	GALLON(S) GALVANIZED GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE	REVISION HISTORY ON TITLE BLOCK OF EACH SHEET	SUPPLY RETURN EXHAUST	SAME AS DOUBLE LINE	AIR DIFFUSERS, REGISTERS AND GRILLES		——————————————————————————————————————	- 3-WAY, 3-POSITION CONTROL VALVE					
GEV GRV	GALLONS PER HOUR GALLONS PER MINUTE GRAVITY ROOF VENTILATOR GAS WATER HEATER	V VAC	VENT PIPE VACUUM			SAME AS DOUBLE LINE	CEILING AIR TERMINAL DEVICE LINEAR DIFFUSER			- 2-WAY, MODULATING CONTROL VALVE					* PR
GAB GAB	GAS WATER HEATER GATE VALVE GYPSUM	VAL VAV VB	VALVE VARIABLE AIR VOLUME VACUUM BREAKER	REVISION CLOUD:		MECHANICAL KEY				- 3-WAY, MODULATING CONTROL VALVE					
ireystoi H	HIGH, HUMIDIFIER, HUMIDISTAT	VF VFD VIF	VENTILATION FAN VARIABLE FREQUENCY DRIVE VERIFY IN FIELD VOLUME	REVISION NUMBER - SEE REVISION HISTORY ON TITLE	HEATING & COOLING RISER DESIGNATIONS GAS RISER	REGISTER, G	RILLE OR DIFFUSER STYLE ON SCHEDULE								Dei
7.11 G	HOSE BIB HORSEPOWER, HEAT PUMP HEAT PUMP UNIT	VSD VTR	VOLUME VARIABLE SPEED DRIVE VENT THRU ROOF	BLOCK OF EACH SHEET	G- GAS RISER	\$4:8ø 500	SIZE (IN) DIFFUSER NECK						SHEET NOTES IS TO ILLUSTRATE AND DEFINE TYPICAL GRAPHICS SYN		Alexander Sawka 86213
tty/2477	HEIGHT HEATING HEATER HEATING, VENTILATION, AND AIR	WC	WATER CLOSET	SEE CORRESPONDING NUMBERED KEY NOTE ON	H # HEATING WATER RISER	R1:24x12 500	FACE SIZE (IN) REGISTER & GRILLE				B. THE I	LLUSTRATION OF A SYMB SSARILY INDICATE THAT	'MBOLS WHICH MAY OCCUR ON THE MECHANICAL DRAV OL OR SYSTEM OF SYMBOLS ON THIS SHEET DOES NOT THE BUILDING ITEM OR SYSTEM DESCRIBED BY THE SY! OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS	MBOLIS	License Number DRAWN BY
AXH Cit	CONDITIONING HEAT EXCHANGER HYDRAULIC	WH	WATER CLOSET WALL HYDRANT, WATER HEATER	SHEET WHERE REFERENCE OCCURS	C # COOLING WATER RISER	500	LENGTH OF LINEAR DIFFUSERSIZE (IN) DIFFUSER NECK				SECT WOR	TONS, SCHEDULES, DETA K.	OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS NILS, AND SPECIFICATIONS TO DETERMINE THE SCOPE () SCALE. TO DETERMINE ACTUAL SIZES OF ELEMENTS		CHECKED BY COMMISSION NUM SHEET TITLE
- HZ	HERTZ	YCO	YARD CLEANOUT	ELEVATION LEVEL: INDICATES FLOOR LEVEL	H/C # HEATING & COOLING RISER	<u>S5:4':12ø</u> 500	—— CFM				REPF MAY D. FOR	RESENTED BY SYMBOLS, I APPLY. NFORMATION REGARDING	REFER TO THE SPECIFICATIONS AND OTHER DRAWING: G SYMBOLS WHICH ARE USED AS ABBREVIATIONS, REF		
Greyst N(")	INSIDE DIAMETER / DIMENSION INCH(ES) INSULAT(E)(ED)	YH	YARD HYDRANT	INDICATES FLOOR	DE # DRYER EXHAUST RISER		COVIDE WALL TO WALL COVER, UNO				E. CERT	TAIN SYMBOLS MAY INCOF	ONS SHOWN ON THIS SHEET. RPORATE SPECIAL ABBREVIATIONS AS PART OF THE SYNDERINED ON THIS SHEET.	MBOL.	MEC
NA INSOR	INSULAT(E)(ED) INTERIOR INVERT ELEVATION	~	SYMBOLS APPROXIMATE(LY)	LEVEL ELEVATION EXISTING WALL TO REMAIN		C-7.6-V-R-RB	RETURN BEND IN COVER (IF NOTED) SIZE RETURN PER PIPE SIZE SCHEDULE, UNO								COVE
SS://24'	JOINT	@ & ∠	AT AND ANGLE				RETURN IN COVER (IF NOTED)								SHEET NUMB
sk Doc 25 10:00	K	¢ ø #	CENTERLINE DIAMETER NUMBER PER	EXISTING WALL TO BE REMOVED			CIRCUIT VALVES IN COVER (IF NOTED)MBH - PROVIDE REQ'D FINNED LENGTHS								
Autodes 4/9/202 8% 8% 8 H 8%	KILOWATT KILOWATT HOUR KITCHEN SINK	′ Ф 	PER PERPENDICULAR PHASE PLUS OR MINUS	====			STYLE ON SCHEDULE								
• •			-			<u> </u>									© 2023 BKV G

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GROLIQUID LIQUID FERTILIZER ACILITY LAKE CITY, FL

DATE DESCRIPTION
04/09/2025 ISSUED FOR
CONSTRUCTION

ON NUMBER 0000-00

IECHANICAL OVERSHEET

MECHANICAL GENERAL NOTES

- 1. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS. NEITHER THE DRAWINGS NOR THE SPECIFICATIONS SHALL BE COMPLETE WITHOUT THE OTHER.
- 2. GENERAL NOTES, SYMBOLS LIST, AND DETAILS ARE APPLICABLE TO ALL DRAWINGS OF THIS SECTION.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT THE INTENT TO SPECIFY OR SHOW EVERY OFFSET, FITTING, OR COMPONENT NECESSARY; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO COMPLETE THE SYSTEMS BEING INSTALLED, TESTED AND MADE OPERATIONAL.
- 4. CONTRACTORS SHALL REFER TO ARCHITECTURAL AND ALL OTHER DISCIPLINES DRAWINGS FOR DIMENSIONS AND OTHER GENERAL INFORMATION NECESSARY TO
- 5. THE DOCUMENTS AND SPECIFICATIONS SHALL GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- 6. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR COMPLETE AND FULLY FUNCTIONAL SYSTEMS SHOWN, SPECIFIED, AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE WORK OF THIS CONTRACT WITH WORK OF OTHER CONTRACTORS. REMOVE ALL DEBRIS CAUSED BY THIS CONTRACTOR'S WORK DAILY.
- 7. ALL MATERIALS, EQUIPMENT, AND METHODS OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.
- 8. ADDRESS QUESTIONS REGARDING DRAWINGS TO ENGINEER IN WRITING BEFORE AWARD OF CONTRACT; OTHERWISE, ENGINEER'S INTERPRETATION OF MEANING AND INTENT OF DRAWINGS SHALL BE FINAL.
- 9. EACH CONTRACTOR SHALL GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES HAVING JURISDICTION FOR THIS WORK.
- 10. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT A NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. PIPES, DUCTWORK, EQUIPMENT, AND ACCESSORIES SHALL BE INSTALLED AS TIGHT TO STRUCTURE AS POSSIBLE. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES AND DUCTWORK EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
- 11. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF ITS NEW WORK. CUTTING AND PATCHING SHALL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER. PATCHING MATERIALS SHALL MATCH EXISTING MATERIALS TO THE GREATEST EXTENT POSSIBLE. PROVIDE TOUCH-UP TO MATCH EXISTING SURROUNDING AREAS OF CUTTING AND PATCHING WORK.
- 12. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL SUBMIT A COPY OF SHOP DRAWINGS AND EQUIPMENT DATA FOR MATERIALS AND EQUIPMENT TO THE ENGINEER FOR REVIEW AND APPROVAL. MATERIALS AND EQUIPMENT SHALL NOT BE INSTALLED BEFORE SHOP DRAWINGS ARE REVIEWED AND APPROVED. AT LEAST TEN WORKING DAYS, EXCLUSIVE OF TRANSMITTAL TIME, FOR SUBMITTAL REVIEW SHALL BE ALLOWED FOR ENGINEER'S REVIEW.
- 13. DEVIATION FROM CONTRACT DOCUMENTS, OR PROPOSED SUBSTITUTION OF MATERIALS, OR EQUIPMENT FOR THOSE SPECIFIED SHALL BE REQUESTED IN A
- SEPARATE LETTER IN ACCORDANCE WITH SPECIFICATIONS PRIOR TO BID.
- 14. MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL) AND APPROVED BY ASME AND AGA FOR INTENDED SERVICE.
- 15. AS WORK PROGRESSES, MAINTAIN AND MARK-UP A COMPLETE SET OF PRINTS OF CONTRACT DRAWINGS AT JOB SITE FOR THE DURATION OF THE CONTRACT. WORK COMPLETED AND ALL CHANGES FROM ORIGINAL CONTRACT DRAWINGS SHALL BE RECORDED CLEARLY AND ACCURATELY, INCLUDING WORK INSTALLED AS A MODIFICATION OR ADDITION TO THE ORIGINAL DESIGN. TURN OVER THE FINAL SET OF "AS BUILT" DRAWINGS TO OWNER AT THE CONCLUSION OF CONSTRUCTION. PROVIDE A COPY OF THE "AS BUILT" DRAWINGS TO THE ENGINEER OF RECORD.
- 16. GUARANTEE WORK OF THIS CONTRACTOR IN WRITING FOR ONE YEAR FROM THE DATE OF OWNER'S ACCEPTANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. PROMPTLY, COMPLETELY REPAIR OR REPLACE DEFECTIVE MATERIALS, EQUIPMENT, WORKMANSHIP AND INSTALLATIONS THAT DEVELOP DEFECTS WITHIN THIS PERIOD. PROMPTLY AND TO OWNERS SATISFACTION, CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENT UNDER GUARANTEE AT NO ADDITIONAL COST TO OWNER. SUBMIT WRITTEN GUARANTEE TO ARCHITECT AND OWNER BEFORE FINAL PAYMENT. STATEMENT OF GUARANTEE REQUIREMENTS SHALL NOT BE INTERRUPTED TO LIMIT OWNER'S RIGHTS UNDER LAW AND THIS CONTRACT.
- EACH RESPECTIVE CONTRACTOR SHALL COORDINATE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT, OR REPAIR. ACCESS PANELS SHALL BE A MINIMUM OF 12" x 12" AND SHALL BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. ALL LOCATIONS SHALL BE CONFIRMED WITH ARCHITECT.
- 18. CONTRACTORS SHALL FIRE STOP ALL PENETRATIONS THROUGH HORIZONTAL ASSEMBLIES, FIRE RATED WALLS OR PARTITIONS WITH UL RATED ASSEMBLIES WITH AN EQUAL UL RATED FIRE STOP. CONTRACTORS SHALL COORDINATE WITH GENERAL CONTRACTOR TO MAINTAIN CONSISTENT PRODUCT USAGE.
- 19. DO NOT SUPPORT EQUIPMENT FROM CEILINGS. ALL SUPPORT SHALL COME FROM BUILDING STRUCTURE.
- 20. PRODUCTS SUBMITTED AND APPROVED FOR USE THAT NECESSITATE CHANGES TO THE WORK OF OTHER TRADES OF CONTRACT SHALL BE COORDINATED AND ARRANGED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.
- 21. CONTRACTOR SHALL COORDINATE ITS RESPECTIVE CEILING MOUNTED EQUIPMENT WITH OTHER TRADE CONTRACTORS PRIOR TO INSTALLATION TO AVOID
- 22. PRIOR TO ACCEPTANCE OF THE FACILITY, EACH RESPECTIVE CONTRACTOR SHALL ASSURE THAT ALL SYSTEMS SHALL BE TESTED, BALANCED, AND ARE OPERATED AS A DEMONSTRATION TO THE OWNER, OR THE OWNER'S REPRESENTATIVE, THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS CONFORM TO THE DESIGN INTENT.

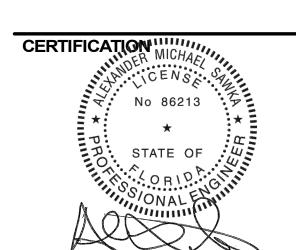
CONSULTANTS

PROJECT TITLE

04/09/2025 ISSUED FOR CONSTRUCTION

HVAC GENERAL NOTES

- 1. DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST ISSUES OF SMACNA STANDARDS.
- 2. SUPPORT EQUIPMENT, PIPING, AND DUCTWORK FROM BUILDING STRUCTURE TO PROVIDE A VIBRATION FREE INSTALLATION.
- 3. PROVIDE PROPER ACCESS TO MATERIALS AND EQUIPMENT THAT REQUIRE INSPECTION, REPLACEMENT, REPAIR, OR SERVICE; SUCH AS, COILS, DAMPERS, HEATERS, VALVES, ETC. IF PROPER ACCESS CANNOT BE PROVIDED, CONFER WITH THE ENGINEER AS TO THE BEST METHOD OF APPROACH FOR MINIMIZING EFFECT OF REDUCED ACCESS WHICH MAY RESULT.
- 4. MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. DO NOT RUN PIPES EXPOSED UNLESS SHOWN EXPOSED ON DRAWINGS. RUN DUCTS AND PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE. ALL DUCTWORK SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO WALL AND UNDERSIDE OF JOISTS. COORDINATE ELEVATIONS AND LOCATIONS WITH WORK OF OTHER CONTRACTORS.
- 5. WHEN SHOWN OR REQUIRED, RELOCATE EXISTING OBSTRUCTIONS TO INSTALL NEW EQUIPMENT OR MATERIALS.
- 6. DIFFUSER SIZES SHOWN ARE NECK SIZES. REGISTER AND GRILLE SIZES ARE NOMINAL.
- THOROUGHLY CLEAN ALL NEW DUCTWORK AFTER INSTALLATION.
- 8. INSULATION SHALL NOT BE INSTALLED UNTIL AFTER ALL DUCT AND PIPE TESTING PROCEDURES HAVE BEEN COMPLETED.
- 9. PROVIDE NEOPRENE IMPREGNATED CANVAS FLEXIBLE CONNECTION BETWEEN DUCTWORK AND ANY RECIPROCATING OR ROTATING EQUIPMENT.
- 10. PROVIDE AN OPERATION AND MAINTENANCE MANUAL TO THE BUILDING OWNER PRIOR TO BUILDING TURNOVER.
- 11. ALL VARIABLE FREQUENCY DRIVES FURNISHED UNDER DIVISION 21-23 SHALL BE MANUFACTURED BY THE SAME MANUFACTURER; THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE.
- 12. THERMOSTATS SHALL BE MOUNTED AT 48" A.F.F. THERMOSTATIC SENSORS AND GAS SENSORS SHALL BE MOUNTED AT 60" A.F.F.

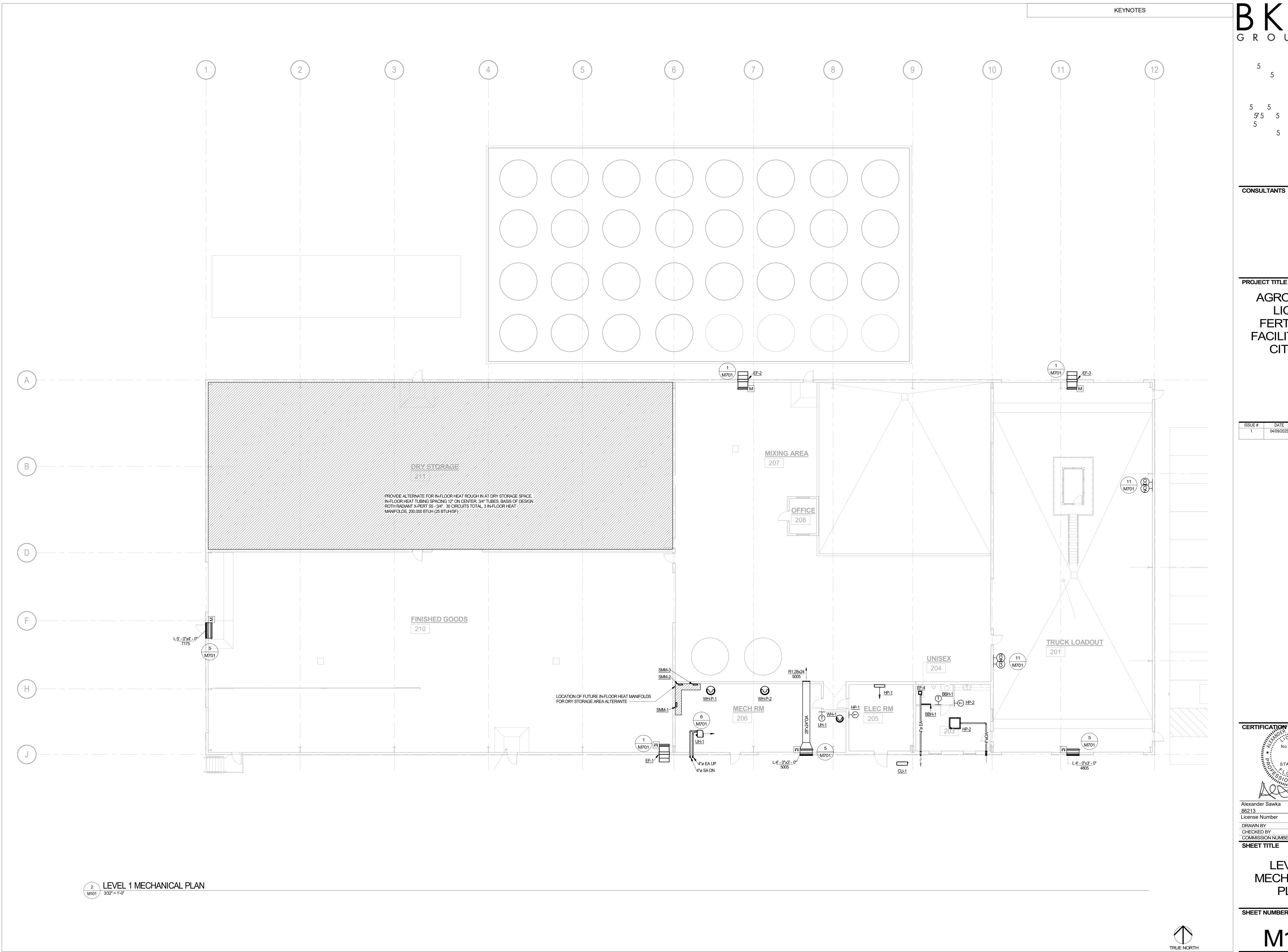


CHECKED BY COMMISSION NUMBER 0000-00

SHEET TITLE MECHANICAL

NOTE SHEET

SHEET NUMBER



PROJECT TITLE AGROLIQUID LIQUID

FERTILIZER FACILITY LAKE CITY, FL

DATE DESCRIPTION
04/09/2025 ISSUED FOR
CONSTRUCTION

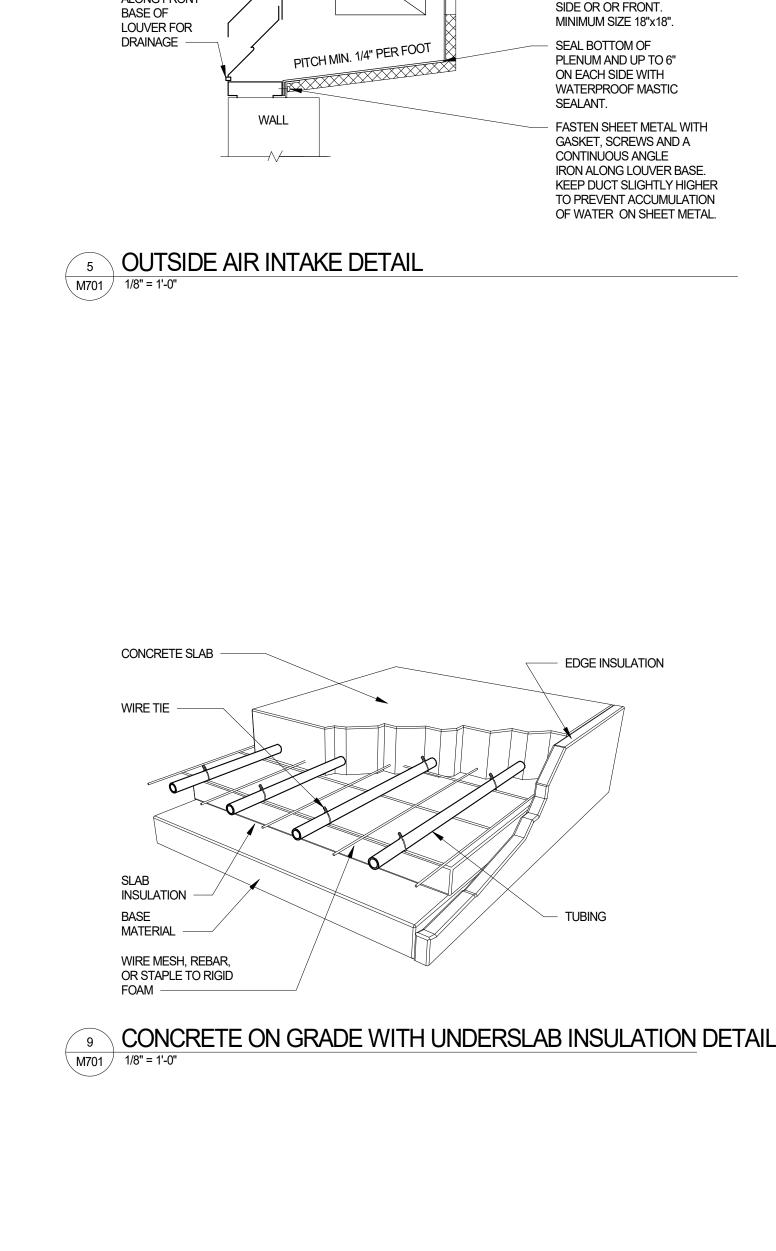
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> LEVEL 1 MECHANICAL PLAN

SHEET NUMBER





MOTOR SIDE GUARD -

MOTOR -

FACTORY DISCONNECT -

WALL COLLAR

LOUVER W/ BIRDSCREEN -

DRILL 3/8"ø

HOLES 12" O.C.

ALONG FRONT

MOTORIZED DAMPER

SIDE WALL EXHAUST FAN DETAIL

M701 1/8" = 1'-0"

WALL

DAMPER OR BACKDRAFT DAMPER

ENCLOSE ENTIRE

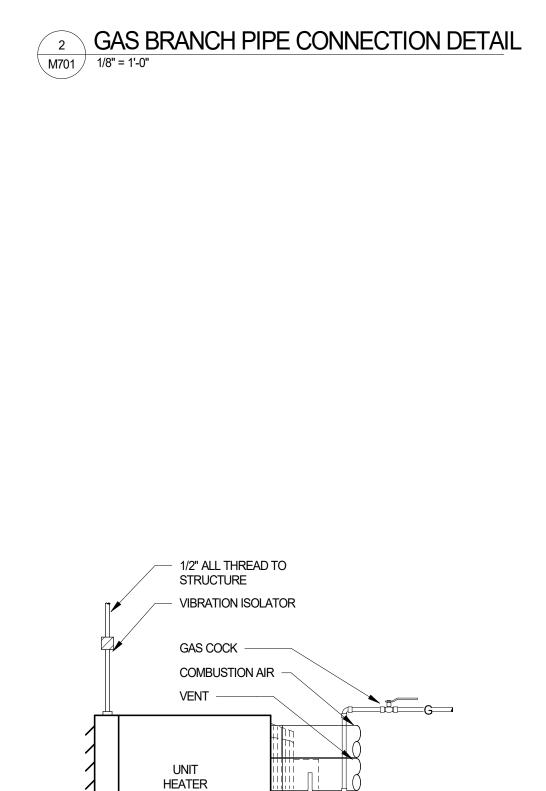
PLENUM WITH 2" RIGID EXTERIOR INSULATION

PROVIDE HINGED ACCESS DOOR ON ALL

PLENUMS, MINIMUM OF

6" ABOVE BOTTOM.

LOCATED ON EITHER



6 HORIZONTAL GAS UNIT HEATER DETAIL
1" = 1'-0"

EXTERIOR WALL

COORDINATE ANCHORS

MOUNT BACK BOX TO

PROVIDE RIGID INSULATION

FOR EXTERIOR WALL

INSTALLATIONS ONLY

WALL USING REAR

MOUNTING HOLES

WITH GENERAL CONTRACTOR

GAS APPLIANCE

GAS REGULATOR -

WIRING ARRANGMENT MUST COMPLY WITH STATE AND LOCAL

REMOVABLE CABINET FACE

HEATING ELEMENT ASSEMBLY

CABINET UNIT HEATER SURFACE MOUNT DETAIL

MINIMUM 4" AFF (FIELD VERIFY WITH ARCHITECT

TO MATCH COURSING)

CODES -

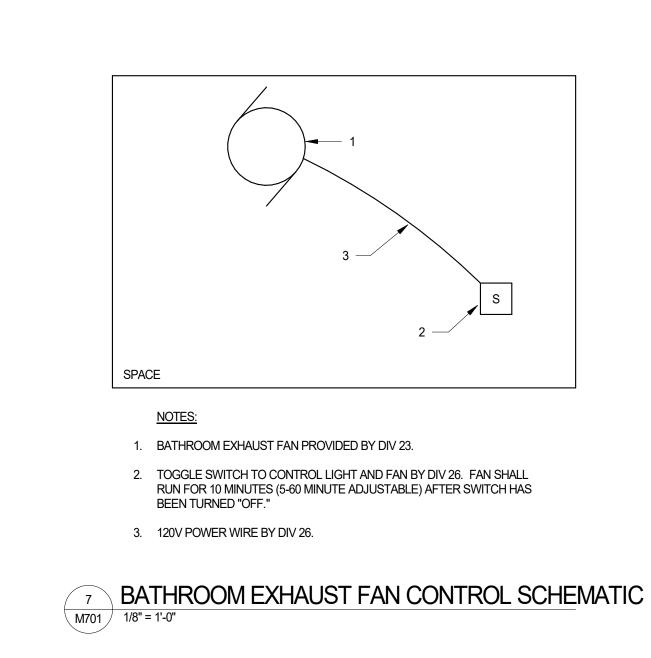
SUPPLY FAN

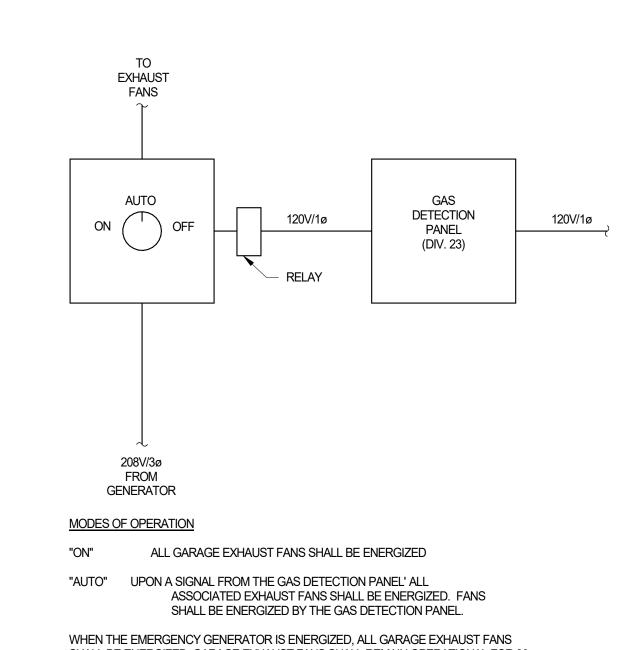
DIRT LEG -

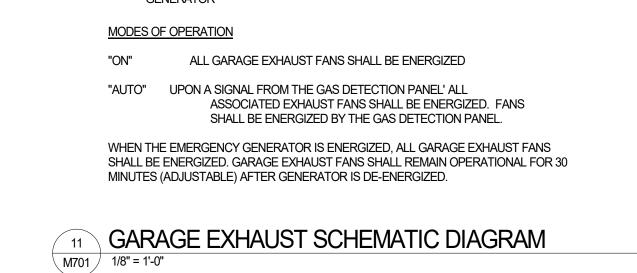
PRESSURE REGULATOR

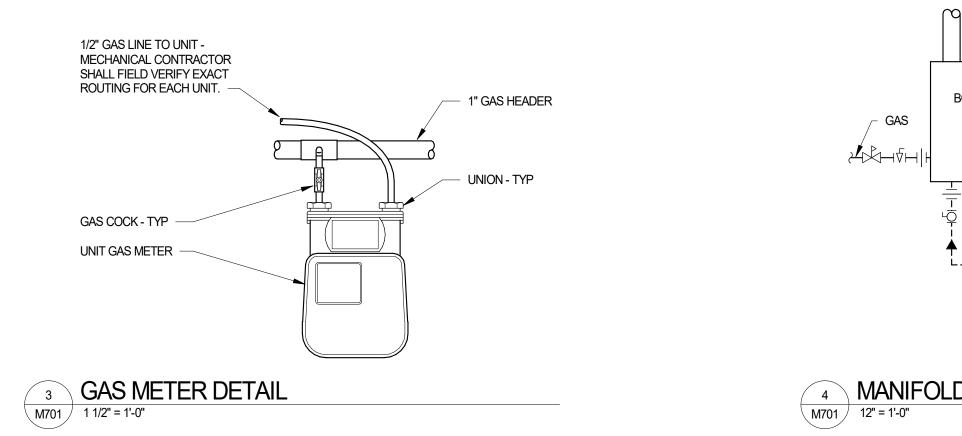
SHUT-OFF VALVE

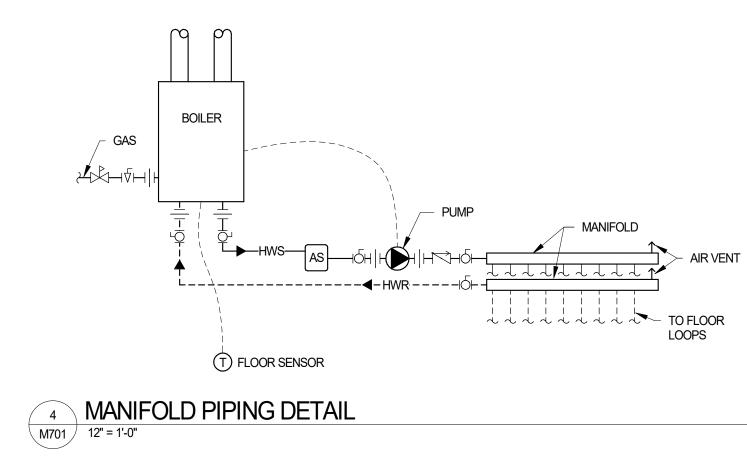
SEDIMENT TRAP

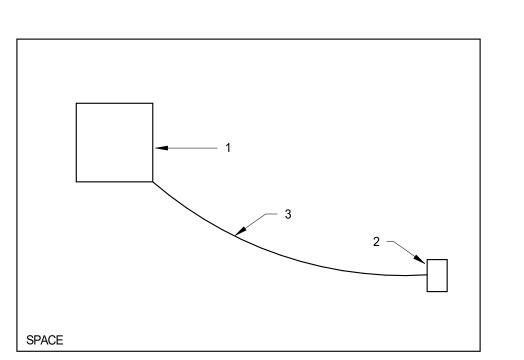




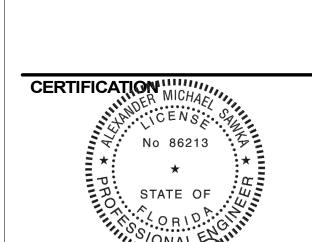








2. 24V THERMOSTAT PROVIDED BY DIV 23. PROVIDE CLEAR PLASTIC LOCKING COVER IN "PUBLIC" AREA. 3. 24V CONTROL WIRING PROVIDED BY DIV 23 CONTRACTOR.



5 5 5 5

CONSULTANTS

PROJECT TITLE

AGROLIQUID

LIQUID

FERTILIZER

FACILITY LAKE

CITY, FL

04/09/2025 ISSUED FOR CONSTRUCTION

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> **MECHANICAL DETAILS**

SHEET NUMBER

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1. TYPICAL ELECTRIC OR GAS HEATING/COOLING UNIT.



CONSULTANTS

PROJECT TITLE

AGROLIQUID LIQUID FERTILIZER FACILITY LAKE

04/09/2025 ISSUED FOR CONSTRUCTION

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0000-00 SHEET TITLE

MECHANICAL AND ELECTRICAL SCHEDULES

SHEET NUMBER

				LOUVER SCH	HEDULE					
							AIR PD (IN.	SI	ZE	
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	CFM	W.C.)	WIDTH	HEIGHT	NOTES
L	1	FINISHED GOODS	FINISHED GOODS	RUSKIN	ELF6375DX	7175	0.10	60"	48"	1
L	2	MECH ROOM	MIXING AREA	RUSKIN	ELF6375DX	5005	0.10	48"	36"	1
L	3	TRUCK LOADOUT	TRUCK LOADOUT	RUSKIN	ELF6375DX	4805	0.10	48"	36"	1

NOTES:
1. CUSTOM COLOR SELECTED BY ARCHITECT

		CE	III ES DECIS	TEDS AND	DIEELIGEE	S SCHEDI	=		
		Gr	RILLES, REGIS	IERO, AND	יטוררטטבר	(3 SUNEDU)LC		
						FACE	SIZE		
TAG	TYPE	MANUFACTURER	MODEL	MATERIAL	FINISH	LENGTH	WIDTH	THROW PATTERN	NOTES
R1	RETURN GRILLE	TITUS	350RI	STEEL	WHITE	24"	28"	35° FIXED DEFLECTION	

								UNI	T HEAT	ER SCH	EDULE							
										H	HEATING CO	IL DATA	EL	ECTRICAL		DISCONNECT	Г	
										INPUT	OUTPUT			CONTROLLED	SUPPLIED	INSTALLED		
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	TYPE	MOUNTING	FUEL	CFM	BTUH	BTUH	CONTROL	HP	BY	BY	BY	LOCATION	NOTES
UH	1	MECH ROOM	MECH ROOM	REZNOR	UDAS 30	UNIT HEATER	CEILING HUNG	NATURAL GAS	456	30000	24600	GAS HEATER	0.06	DIV 23	DIV 23	DIV 26	BY MTR	1

NOTES:
1. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, HARDWIRED TO UNIT

						FAN SCHE	EDULE								
							FAN DATA				ELECTR ICAL		DISCONNECT		
												SUPPLIED	INSTALLED		
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	TYPE	MOUNTING	CFM	ESP	RPM	HP	BY	BY	LOCATION	NOTES
EF	1	FINISHED GOODS	FINISHED GOODS	GREENHECK	SBE-2H30	PROPELLER FAN	WALL MOUNTED	7175	0.25	788	1	DIV 23	DIV 26	BY EQUIP	1
EF	2	MIXING AREA	MIXING AREA	GREENHECK	SBE-2L24	PROPELLER FAN	WALL MOUNTED	5005	0.25	754	0.75	DIV 23	DIV 26	BY EQUIP	1
EF	3	TRUCK LOADOUT	TRUCK LOADOUT	GREENHECK	SBE-2H30	PROPELLER FAN	WALL MOUNTED	4805	0.25	742	0.75	DIV 23	DIV 26	BY EQUIP	1
EF	4	UNISEX BATH	UNISEX BATH	PANASONIC	FV-0510VS1	CEILING FAN	CEILING	50	0.25	1025	0	DIV 23	DIV 26	BY MTR	2

NOTES:
1. PROVIDE WITH FAN MOTOR GUARD, DISCHARGE HOOD AND MOTORIZED DAMPER. PROVIDE WITH TIMECLOCK.
2. PROVIDE WITH WALL SWITCH CONTROL

						DOMES	TIC WATER HEA	ATER SCHE	DULE								
												CONNE					
												CTION					
												SIZES	ELECTRICAL		DISCONNECT		1
						TOTAL		RECOVERY	INLET	HW			CONTROLLED		INSTALLED		1
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	VOLUME	FUEL	(GPH)	TEMP	TEMP	ELEC KW	FLUID	BY	BY	BY	LOCATION	NOTES
WH	1	MECH ROOM	DOMESTIC HOT WATER	A.O. SMITH	DSE-65-60	65	ELECTRIC	246	40.0	140.0	60	1 1/2"	DIV 22	DIV 22	DIV 26	BY EQUIP	
WH	P-1	MECH ROOM	PROCESS WATER	BY OTHERS	BY OTHERS	0	-	0	40.0	0.0	0	1 1/2"	DIV 22	DIV 22	DIV 26	BY EQUIP	1
WH	P-2	MECH ROOM	PROCESS WATER	BY OTHERS	BY OTHERS	0	-	0	40.0	0.0	0	1 1/2"	DIV 22	DIV 22	DIV 26	BY EQUIP	1

1. SHOWN FOR REFERENCE ONLY. PROVIDED AND INSTALLED BY OTHERS.

							CONDI	ENSING UN	NIT SCI	HEDULE								
								COC	DLING DA	TA	HEA	TING DAT	Ā		DISCONNECT			
							REFRIGERANT	CAPACITY		SUMMER	CAPACITY		WINTER	SUPPLIED	INSTALLED			
TAG	3	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	TYPE	(BTUH)	EER2	DB	(BTUH)	HSPF2	DB	BY	BY	LOCATION		NOTES
CU		1	GRADE	ELEC / OFFICE	MITSUBISHI	MXZ-SM36NAM2	R-32	36000	15.0	95.0	41500	11.0	25.0	DIV 26	DIV 26	BY MTR	1,2,3	

1. MOUNT ON CONCRETE HOUSEKEEPING PAD, PROVIDED BY OTHERS. PROVIDE MIN 12" CONDENSER STAND

2. 2-PORT CONDENSING UNIT 3. POWER FOR INDOOR FAN COIL UNIT MAY BE ROUTED FROM CONDENSING UNIT, CONFIRM WIRING WITH MFG'S INSTALLATION MANUAL

					HEA	AT PUMP	UNIT SCH	HEDULE						
						AIRFLO	W (CFM)	COOLING COIL	HEATING COIL		DISCONNECT		STARTER	
						SUPPLY	OUTSIDE	TOTAL	CAPACITY	SUPPLIED	INSTALLED			
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	AIR	AIR	BTUH	BTUH	BY	BY	LOCATION	LOCATION	NOTES
HP	1	ELEC ROOM	ELEC ROOM	MITSUBISHI	MSZ-GL18NA	622	0	18000	21600	DIV 23	DIV 26	BY EQUIP	BY MTR	1,2,3
HP	2	OFFICE	OFFICE	MITSUBISHI	PLA-A18EA8	460	50	18000	19000	DIV 23	DIV 26	BY EQUIP	BY MTR	1,2,3

1. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, HARDWIRED TO UNIT
2. POWER FOR FAN COIL UNIT MAY BE ROUTED FROM CONDENSING UNIT, CONFIRM WIRING WITH MFG'S INSTALLATION MANUAL 3. FCU CAPABLE OF OPERATING WITH A MULTI-PORT CONDENSING UNIT

						BASE	BOARD SCH	IEDI II E				
						DAGE		ILDULL				
								ELECTRI				
								CAL		DISCONNECT		
						LENGTH			SUPPLIED			
TAG	NO.	LOCATION	SERVES	MANUFACTURER	MODEL	(IN)	MOUNTING	WATTS	BY	INSTALLED BY	LOCATION	NOTES
BBH	1	UNISEX BATH	UNISEX BATH	BERKO	2513W	36"	WALL	750	DIV 23	DIV 26	BY HTR	1

1. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT, HARDWIRED TO UNIT

SCHEDULE SHEET GENERAL NOTES

- 1. WHERE UNITS OF MEASURE ARE NOT INDICATED, THE FOLLOWING APPLIES: TEMPERATURE - DEGREES FARENHEIT (°F) HEAD AND FLUID PRESSURE DROP - FEET OF WATER COLUMN (FT WC) FLUID VELOCITY - FEET PER SECOND (FPS) FLUID FLOW - GALLONS PER MINUTE (GPM) STATIC PRESSURE - INCHES OF WATER COLUMN (IN WC) AIR VELOCITY - FEET PER MINUTE (FPM)
- AIR FLOW CUBIC FEET PER MINUTE (CFM) 2. MAXIMUM AIR SIDE PRESSURE DROP (INCH W.C.) SHALL BE AS FOLLOWS: COOLING COILS: B. HEATING COILS FOR RTUS AND ERUS: 0.50
- C. HEAT RECOVERY APPARATUS: 3. MAXIMUM COIL FACE VELOCITY (FPM) SHALL BE AS FOLLOWS: A. COOLING COILS FOR VAV UNITS: COOLING COILS FOR CAV UNITS: C. HEATING COILS: D. FILTERS:
- 4. OUTDOOR AIR, EXHAUST AIR, AND RELIEF AIR DAMPERS SHALL BE LOW LEAKAGE TYPE DAMPERS WITH A MAXIMUM LEAKAGE RATE OF 3 CFM/SF.
- 5. PROVIDE/INCLUDE THE FOLLOWING FILTER PRESSURE DROP ALLOWANCES FOR ALL FAN MOTOR AND DRIVE SELECTIONS:
 - A. AIR HANDLING EQUIPMENT: a. MERV 7 & 8 PRE-FILTERS - CLEAN FILTER PD PLUS 0.25 IN WC - DIRTY FILTER PD MERV 11 THRU MERV 14 FILTERS - CLEAN FILTER PD PLUS 0.50 IN WC - DIRTY
 - B. DUCTED FURNACES, PACU'S & SPLIT SYSTEMS: a. FILTER - CLEAN FILTER PD PLUS 0.20 IN WC - DIRTY FILTER PD
- 6. ALL FANS INCLUDED IN A FAN ARRAY SHALL BE PROVIDED WITH BACKDRAFT DAMPERS. THE BACKDRAFT DAMPERS SHALL HAVE A SYSTEM EFFECT NO GREATER THAN 5% OF THE RATED INTERNAL STATIC PRESSURE DROP OF THE UNIT.
- 7. HEAT WHEELS SHALL BE FACTORY FURNISHED AND WIRED INCLUDING A CONTROLLER, SENSORS, AND VFD. THE CONTROLLER SHALL BE PROVIDED WITH AN INTEGRAL COMMUNICATION GATEWAY FOR COMMUNICATION WITH THE BUILDING DDC ENERGY MANAGEMENT SYSTEM.