VG005108

INCL.	DRAWING NUMBER	DWG. TITLE	REV
X	02-B'-NG-C001-H-05-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-05-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-06-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-06-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-07-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-07-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-08-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-08-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-09-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-09-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-1C-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-1C-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-11-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-11-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-12-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-12-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-13-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-13-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-14-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-14-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-15-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-15-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-1E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-1E-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-17-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-17-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-1E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-1E-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-15-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-15-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-2C-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-2C-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-21-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-21-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-22-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-22-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-23-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-23-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-24-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-24-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-25-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-25-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-2E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-2E-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-27-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-27-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-2E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-2E-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-25-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-25-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-3C-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-3C-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-31-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-31-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-32-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-32-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-33-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C001-H-33-S-I2	PIPING ISOMETRIC	0
X	02-B'-NG-2002-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-01-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-02-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-03-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-04-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-05-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-05-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-07-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-08-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-06-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-1C-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-11-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-12-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-13-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-14-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-15-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-1E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-17-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-1E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-15-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-2C-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-21-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-22-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-23-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-24-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-25-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-2E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-27-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-2E-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-25-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-3C-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-31-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-32-S-H'	PIPING ISOMETRIC	0
X	02-B'-NG-C002-H-33-S-H'	PIPING ISOMETRIC	0
X	03-A4-UR-0201-H-S-H1	PIPING ISOMETRIC	0
X	03-A4-UR-0201-H-S-I2	PIPING ISOMETRIC	0
X	03-A4-UR-0201-H-S-I3	PIPING ISOMETRIC	0
X	03-A4-UR-0201-H-S-I4	PIPING ISOMETRIC	0
X	03-A4-UR-0201-H-S-I5	PIPING ISOMETRIC	0
X	03-A4-UR-0202-H-S-H1	PIPING ISOMETRIC	0
X	03-A4-UR-0202-H-S-I2	PIPING ISOMETRIC	0
X	03-A4-UR-0202-H-S-I3	PIPING ISOMETRIC	0

INCL.	DRAWING NUMBER	DWG. TITLE	REV
X	03-A4-UR-0002-H-SH4	PIPING ISOMETRIC	0
X	03-A4-UR-0003-H-SH1	PIPING ISOMETRIC	0
X	03-A4-UR-0004-H-SH1	PIPING ISOMETRIC	0
X	03-A4-UR-0004-H-SH2	PIPING ISOMETRIC	0
X	03-A4-UR-0004-H-SH3	PIPING ISOMETRIC	0
X	06-B1-NG-00C'-H-SH1	PIPING ISOMETRIC	0
X	06-B1-NG-00C'-H-SH2	PIPING ISOMETRIC	0
X	12-B1-NG-00C'-H-SH1	PIPING ISOMETRIC	0
X	12-B1-NG-00C'-H-SH2	PIPING ISOMETRIC	0
X	12-B1-NG-00C'-H-SH3	PIPING ISOMETRIC	0
X	12-B1-NG-00C'-H-SH4	PIPING ISOMETRIC	0
X	12-B1-NG-00C2-H-SH1	PIPING ISOMETRIC	0
X	12-B1-NG-00C2-H-SH2	PIPING ISOMETRIC	0
X	12-B1-NG-00C2-H-SH3	PIPING ISOMETRIC	0
X	12-B1-NG-00C2-H-SH4	PIPING ISOMETRIC	0

APPROVED
By Joseph Tkacsik at 2:15 pm, May 22, 2026

City of Covington: Planning & Development Dept.

APPROVED

This review is only for the general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Nothing in this review, including corrections or comments made on this submittal, shall be construed to relieve Contractor from its responsibility to comply with the requirements of plans, specifications and code. Contractor must verify all dimensions in field. This review only includes the information and components described herein. Contractor is responsible for quantities; for information that pertains solely to the fabrication processes or the means methods, techniques, sequences and procedures of installation; for coordination of its work with that of the other trades; and for performing all work in safe, satisfactory, and code-compliant manner.

BY: _____

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VoltaGrid

TITLE : DRAWING INDEX MECHANICAL

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

PROJECT NAME/NUMBER: SERVER FARM ATL2

DRAWING NO.: 25108102-001-MP-DRW-0000-002

SCALE: NONE

REV.: 0

NUMBER OF SHEET: 2 OF 2

VG005109

LINE SYMBOLS

- MAJOR PROCESS LINES
- MAJOR SECONDARY
- MINOR PROCESS OR UTILITY LINES
- MINOR SECONDARY
- INSTRUMENT LINES
- PNEUMATIC LINES (GAS OR AIR)
- ELECTRICAL LEADS
- HYDRAULIC LINES
- INSTRUMENT CAPILLARY TUBING
- HEAT TRACE (ELECTRIC)
- SONIC
- INTERNAL DATA LINK
- BINARY
- SKID OR PACKAGE UNIT LIMITS
- FUTURE PROCESS LINES
- EXISTING PROCESS LINES
- LINES GOING TO OR FROM A SPECIFIED DRAWING
- DIRECTION OF FLOW

VALVE SYMBOLS

- GATE VALVE
- BALL VALVE
- GLOBE VALVE
- PLUG VALVE
- CHECK VALVE
- NEEDLE VALVE
- BUTTERFLY VALVE
- CLOSED VALVE
- ANGLE VALVE
- THREE WAY VALVE
- FOUR WAY VALVE
- PRESSURE RELIEF VALVE
- PRESSURE/VACUUM RELIEF VALVE
- DUMP VALVE
- GAUGE GLASS VALVE
- BLIND FLANGE W/BLEED VALVE & PLUG
- CONTROL VALVE
- PRESSURE REGULATOR (SELF CONTAINED)
- PRESSURE REGULATOR (REMOTE SENSING)
- DOUBLE ACTING PISTON ACTUATOR
- SINGLE ACTING PISTON ACTUATOR SPRING RETURN
- ELECTRIC MOTOR OPERATED VALVE
- ROTARY MOTOR OPERATED VALVE
- THREE WAY SOLENOID VALVE
- GAUGE VALVE
- BLEED RING WITH VALVE

MISCELLANEOUS SYMBOLS

- FLANGE
- ORIFICE FLANGE
- BLEED RING
- PADDLE SPACER
- BLIND FLANGE
- HOSE CONNECTION
- WELD CAP
- PIPE BREAK
- QUICK OPENING CLOSURE

FIRE SYSTEM SYMBOLS

- HOUSED HYDRANT – TWO HOSE OUTLET
- POST INDICATING VALVE
- FIREWATER MONITOR
- HOSE REEL
- SPRINKLER HEAD W/ SPRAY NOZZLE

MISCELLANEOUS SYMBOLS CONTINUED

- ORIFICE PLATE (BETWEEN FLANGES)
- INSULATING FLANGE JOINT
- OPEN SPECTACLE BLIND
- CLOSED SPECTACLE BLIND
- STARTUP STRAINER
- PLUG
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER (SHOWN FLAT SIDE DOWN)
- CONCENTRIC SWAGE
- FLEXIBLE HOSE (FLANGED)
- FLEXIBLE HOSE
- EXPANSION BELLOWS
- INSULATION
- BASKET STRAINER
- MAGNETIC METER
- FLOW INDICATOR
- CLEANOUT TEE
- SILENCER
- INLINE MIXER
- FLAME ARRESTOR
- MECHANICAL ISOLATION JOINT
- RAIN CAP
- PIPE MITER
- BARRED TEE
- AUTOMATIC AIR RELEASE
- AUTOMATIC AIR/VACUUM RELEASE
- SPECIFICATION BREAK (A1 / C3)
- "Y" TRAP
- "P" TRAP
- SPECIALTY ITEM (SP)
- VENDOR SUPPLIED (V)
- TIE–IN POINT NUMBER (TP / XX)
- PIG SIG
- UNION
- ULTRASONIC METER
- FLOW ELEMENT (VENTURI)
- FLOW ELEMENT (TURBINE)
- FLOW ELEMENT (VORTEX)
- FLOW ELEMENT (QUICK CHANGE ORIFICE PLATE)
- FLOW STRAIGHTENING VANES
- RUPTURE DISC
- PITOT OR PITOT–VENTURI
- OVERVOLTAGE PROTECTOR (OVP)
- FIVE VALVE MANIFOLD (5VM)
- THREE VALVE MANIFOLD (3VM)
- CORIOLIS METER
- POSITIVE DISPLACEMENT METER (LOCAL TOTALIZING)
- ROTAMETER (FI)
- FLOW ELEMENT–UNCLASSIFIED (FE)
- SAMPLE CONNECTION (SC)
- CORROSION PROBE (CP)
- FLOW SIGHT GAUGE
- INSTRUMENT AIR SUPPLY (IA)
- INSULATING UNION (INS)
- TWO VALVE MANIFOLD (2VM)

SERVICE DESIGNATIONS

AG	ACID GAS	HO	HOT OIL	PTW	WATER, POTABLE
AI	AIR, INSTRUMENT	IA	INSTRUMENT AIR	RA	RICH AMINE
AS	AIR, STARTING	IG	INSTRUMENT GAS	RC	RAW CONDENSATE
CD	CONDENSATE	JW	JACKET WATER	RG	RICH GLYCOL
DPC	DRAIN, CLOSED	LA	LEAN AMINE	S	STEAM
DPO	DRAIN, OPEN	LG	LEAN GLYCOL	SC	STABLE CONDENSATE
FG	FUEL GAS	LO	LUBE OIL	SL	SCRUBBER LIQUID
FL	FLARE	LP	LOW PRESSURE	UA	AIR, UTILITY
GAN	NITROGEN GAS	LQ	LIQUIDS	VA	GAS, VENT
GE	EXHAUST, FUEL COMBUSTION	MU	MAKE UP	VF	GAS, VENT TO FLARE
		NG	NATURAL GAS	WC	WATER, COOLING
GF	GAS, FUEL	PG	PRODUCT GAS	WU	WATER, UTILITY
GZ	GAS, SEAL	PW	PRODUCT WATER		
HC	HYDROCARBON	OL	OIL, LUBRICATING		

INSULATION DESIGNATIONS

2" H-E — ELECTRIC TRACE

H — INSULATION CLASSIFICATION IDENTIFIER (SEE TABLE)

IDENTIFIER:	CLASSIFICATION:
PP	PERSONNEL PROTECTION
H	HEAT CONSERVATION
E	ELECTRICALLY TRACED
C	COLD CONSERVATION
AS	ANTISWEAT
FP	FREEZE PROTECTION

LINE NUMBERING

XX–XX–XX–XXXX–XX
SERVICE
XX–XX–XX–XXXX–XX
INSULATION/HEAT TRACE
LINE NUMBER
SERVICE
PIPE SPEC
LINE SIZE (INCHES)

TANKS & VESSELS

- FLAT ROOF
- SLOPING ROOF
- VERTICAL
- VERTICAL W\SKIRT
- FLOATING ROOF
- BLOWDOWN SILENCER
- HORIZONTAL

MISCELLANEOUS EQUIPMENT

- LAUNCHER/ RECEIVER
- FILTER SEPARATOR
- GAS COOLER

ABBREVIATIONS

A	- ANALOG SIGNAL	FQ	- FLOW TOTALIZER/FLOW COMPUTER	OT	- OPERATING TEMPERATURE	TS*	- TEMPERATURE SWITCH
AAM	- AUTOMANUAL SELECTOR	FQI	- FLOW TOTALIZING INDICATOR	PA*	- PRESSURE ALARM	TSO	- TIGHT SEAL OFF
AH	- ANALYSIS ALARM	FQS*	- FLOW TOTALIZING SWITCH	PC	- PRESSURE CONTROLLER	TT	- TEMPERATURE TRANSMITTER
AC	- AIR TO CLOSE	FR	- FLOW RECORDER	PCV	- PRESSURE CONTROL VALVE	TW	- THERMOWELL
AC	- ANALYSIS CONTROLLER (SAMPLER)	FS	- FAIL STEADY	PDA*	- PRESSURE DIFFERENTIAL ALARM	TY	- TEMPERATURE RELAY
ACFM	- ACTUAL CUBIC FEET PER MINUTE	FS*	- FLOW SWITCH	PDI	- PRESSURE DIFFERENTIAL INDICATOR	TYP	- TYPICAL
ADAPT	- ADAPTIVE CONTROL MODE	FSC	- FSV COMMAND (CLOSED)	PDIT	- PRESS. DIFF. INDICATING TRANSMITTER	UCP	- UNIT CONTROL PANEL
AE	- ANALYSIS ELEMENT (SAMPLER)	FSV	- FAST STOP VALVE	PDR	- PRESSURE DIFF. RECORDER	UG	- UNDERGROUND
AFFF	- AQUEOUS FILM FORMING FLUID	FT	- FLOW TRANSMITTER	PDT	- PRESSURE DIFFERENTIAL TRANSMITTER	VA*	- VIBRATION ALARM
AG	- ABOVE GROUND	FV	- FLOW VALVE	PI	- PRESSURE INDICATION	VE	- VIBRATION ELEMENT
AI	- ANALYSIS INDICATOR	FX	- FLOW STRAIGHTENING VANE	PIC	- PRESSURE INDICATING CONTROLLER	VF	- VENDOR FURNISHED
AIT	- ANALYSIS INDICATING TRANSMITTER	FY	- FLOW RELAY	PIT	- PRESSURE INDICATING TRANSMITTER	VFD	- VARIABLE FREQUENCY DRIVE
ANSI	- AMERICAN NTL. STANDARDS INSTITUTE	GAL	- GALLONS	PPE	- PREFERRED PRESSURE END (ORBIT VALVE)	VS*	- VIBRATION SWITCH
AO	- AIR TO OPEN	GHP	- GAS HORSEPOWER	PRV	- PRESSURE REGULATING VALVE	WE	- WELD END CONNECTION
AP	- ANALYSIS POINT (CHROMATOGRAPH)	GPM	- GALLONS PER MINUTE	PS*	- PRESSURE SWITCH	WOG	- WATER OIL GAS
AR	- ANALYSIS RECORDER	GR	- GRADE	PSIA	- POUNDS PER SQUARE INCH (ATMOS)	WS	- WATER SUPPLY
AS	- AIR SUPPLY	GS	- GAS SUPPLY	PSID	- POUNDS PER SQUARE INCH (DIFF.)	WT	- WALL THICKNESS
AS*	- ANALYSIS SWITCH	HC	- HAND CONTROLLER	PSIG	- POUNDS PER SQUARE INCH (GAUGE)	XA*	- ANNUNCIATOR POINT
ASC	- ASV COMMAND (CLOSED)	HCV	- HAND CONTOL VALVE	PSV	- PRESSURE SAFETY/RELIEF VALVE	XI	- PIG PASSAGE INDICATOR
ASME	- AMERICAN SOC. OF MECH. ENGINEERS	HH	- HAND HOLE	PT	- PRESSURE TRANSMITTER	XII	- PIG SIG INDICATOR
ASV	- ANTI-SURGE VALVE	HOA	- HAND OFF AUTOMATIC	PY	- PRESSURE RELAY	XY	- SPECIAL RELAY
ATS	- AUTO TRANSFER SWITCH	HOA	- HAND-OFF-AUTOMATIC SELECTOR	RF	- RAISED FACE FLANGE	ZA*	- POSITION ALARM
AVG	- AVERAGE	HP	- HIGH PRESSURE OR HORSEPOWER	RIC	- PRESSURE RECORDING CONTROLLER	ZE	- POSITION DETECTOR (MOTION)
AY	- ANALYSIS RELAY	HS	- HAND SWITCH	RIO	- REMOTE IO PANEL	ZI	- POSITION INDICATION
BA	- BURNER ALARM	HS	- HYDRAULIC SUPPLY	RO	- RESTRICTION ORIFICE	ZIC	- POSITION INDICATION (CLOSED)
BE	- BURNER ELEMENT	HV	- HAND VALVE	RPM	- REVOLUTIONS PER MINUTE	ZIO	- POSITION INDICATION (OPEN)
BF	- BLIND FLANGE	IAS	- INSTRUMENT AIR SUPPLY	RSI	- REMOTE SHUT-IN	ZS	- POSITION SWITCH (MOTION)
BG	- BELOW GROUND	IG	- INSULATING GASKET	RTD	- RESISTANCE TEMP. DETECTOR	ZSC	- POSITION INDICATOR SWITCH (CLOSED)
BL	- GAS/FLAME DETECTION LIGHT	IGS	- INSTRUMENT GAS SUPPLY	RTD	- RESISTANCE TYPE TEMP ELEMENT	ZSO	- POSITION INDICATOR SWITCH (OPEN)
BO	- BLOW-OFF	INS	- INSULATING GASKET	RTU	- REMOTE TERMINAL UNIT		
BOP	- BALANCE OF PLANT	IU	- INSULATING UNION	RTU	- REMOTE TERMINAL UNIT	ZT	- POSITION TRANSMITTER
BS	- BURNER SWITCH	LA*	- LEVEL ALARM	S/S	- SEAM TO SEAM	ZYC	- POSITION COMMAND (VALVE CLOSED)
BSH	- SMOKE DETECTION	LASD	- LOCAL AREA SHUTDOWN	SA*	- SPEED ALARM	ZYO	- POSITION COMMAND (VALVE OPEN)
BT	- FLAME/GAS DETECTION TRANSMITTER	LC	- LOCKED CLOSE OR LEVEL CONTROLLER	SC	- SAMPLE CONNECTION		
BTU	- BRITISH THERMAL UNIT	LCV	- LEVEL CONTROL VALVE	SCFD	- STANDARD CUBIC FEET PER DAY		
C/A/M	- COMPUTER/AUTO/MANUAL	LG	- LEVEL GAUGE GLASS	SCFH	- STANDARD CUBIC FEET PER HOUR		
C/R/L	- COMPUTER/REMOTE/LOCAL	LI	- LEVEL INDICATOR (NON-GLASS)	SCFM	- STANDARD CUBIC FEET PER MINUTE		
CF	- CUSTOMER FURNISHED	LIC	- LEVEL INDICATING CONTROLLER	SCP	- STATION CONTROL PANEL		
CP	- CATHODIC PROTECTION	LO	- LOCK OPEN	SDV	- SHUTDOWN VALVE		
CSO/C	- CAR SEAL OPEN/CLOSED	LP	- LOW PRESSURE	SP	- SET POINT		
CWR	- COOLING WATER RETURN	LS*	- LIQUID SEAL	SR	- STRESS RELIEVE		
CWS	- COOLING WATER SUPPLY	LS*	- LEVEL SWITCH	SS*	- SPEED SWITCH		
DP	- DESIGN PRESSURE	LT	- LEVEL TRANSMITTER	SST	- STAINLESS STEEL TUBING		
DT	- DESIGN TEMPERATURE	MA*	- MOISTURE ALARM	ST	- SPEED TRANSMITTER		
DV	- DUMP VALVE	MAOP	- MAX ALLOWABLE OPERATING PRESSURE	STR	- STRAINER		
ELEV	- ELEVATION	MAX	- MAXIMUM	SVO	- SOLENOID VALVE OPEN		
ES	- ELECTRICAL SUPPLY	MC	- MOISTURE CONTROLLER	SVC	- SOLENOID VALVE CLOSED		
ES*	- VOLTAGE SWITCH	MCC	- MOTOR CONTROL CENTER	T/T	- TANGENT TO TANGENT		
ESD	- EMERGENCY SHUTDOWN	ME	- MOISTURE ELEMENT	TA*	- TEMPERATURE ALARM		
EY	- VOLTAGE RELAY	MI	- MOISTURE INDICATOR	TC	- TEMPERATURE CONTROLLER		
F	- FILTER	MIN	- MINUTE OR MINIMUM	TCV	- TEMPERATURE CONTROL VALVE		
FA*	- FLOW ALARM OR FLAME ARRESTOR	MLW	- MEAN LOW WATER	TDI	- TEMP DIFFERENTIAL INDICATOR		
FC	- FAIL CLOSE OR FLOW CONTROLLER	MNPT	- MALE NATIONAL PIPE THREAD	TE	- TEMPERATURE ELEMENT		
FCV	- FLOW CONTROL VALVE	MP	- MEDIUM PRESSURE	TI	- TEMPERATURE INDICATOR		
FDV	- FLOW DIRECTION VALVE (CHECK)	MR	- MOISTURE RECORDER	TIC	- TEMP INDICATING CONROLLER		
FE	- FLANGED END OR FLOW ELEMENT	MS	- MOISTURE SWITCH	TIT	- TEMP INDICATING TRANSMITTER		
FFC	- FLOW RATIO CONTROLLER	MT	- MOISTURE ANALYZER/TRANSMITTER	TP	- TIE-IN POINT		
FI	- FAIL INDETERMINATE	MVT	- MULTI-VARIABLE TRANSMITTER	TR	- TEMPERATURE RECORDER		
FI	- FLOW INDICATOR	MW	- MANWAY	TRC	- TEMP RECORDING CONTROLLER		
FIC	- FLOW INDICATING CONTROLLER	NC	- NORMALLY CLOSED	TS	- TEMPORARY STRAINER		
FIN FL	- FINISHED FLOOR	NNF	- NORMALLY NO FLOW				
FIT	- FLOW INDICATING TRANSMITTER	NO	- NORMALLY OPEN				
FL	- FAIL LAST	NRV	- NON-RETURN VALVE				
FLP	- FAIL LAST POSITION	NS	- NITROGEN SUPPLY				
FNPT	- FEMALE NATIONAL PIPE THREAD	NWP	- NORMAL WORKING PRESSURE				
FO	- FAIL OPEN	OP	- OPERATING PRESSURE				
FP	- FULL PORT	OPP	- OVER-PRESSURE PROTECTION				
		OSA*	- OVER SPEED ALARM				
		OSS*	- OVER SPEED SWITCH				

*ALARMS, SWITCHES AND ANNUNCIATORS MAY HAVE SUFFIX LETTERS AS FOLLOWS:

L	- DENOTES LOW ALARM
LL	- DENOTES LOW SHUTDOWN
H	- DENOTES HIGH ALARM
HH	- DENOTES HIGH SHUTDOWN

EQUIPMENT DESIGNATIONS INSTRUMENT & ACTUATED VALVE NUMBERING

BBT–XXXX (VARIABLE DATA)
- SEQUENCE NUMBER
- UNIT PREFIX

SEE GENERAL NOTES ON THIS SHEET

VALVE NUMBERING SYSTEM

VALVE SIZE — 83-666 — VALVE NUMBER — VALVE TYPE

VALVE TYPE

- BALL VALVE: B1 = CONVENTIONAL PORT BALL VALVE; B2 = CONVENTIONAL PORT ORBIT BALL VALVE; B3 = FULL PORT BALL VALVE; B4 = FULL PORT ORBIT BALL VALVE
- GLOBE VALVE: L1 = GLOBE VALVE
- CHECK VALVE: C1 = WAFER CHECK VALVE; C2 = FULL BODY CHECK VALVE; C3 = FULL BODY CHECK VALVE – PISTON TYPE; C4 = EXCESS FLOW CHECK VALVE
- GATE VALVE: G1 = CONVENTIONAL PORT GATE VALVE; G2 = FULL PORT GATE VALVE
- PLUG VALVE: P1 = CONVENTIONAL PORT PLUG VALVE; P2 = NON LUBRICATED PLUG VALVE
- BUTTERFLY VALVE: F1 = WAFER TYPE; F2 = LUG TYPE
- NEEDLE VALVE: N1 = TYP.; N2 = WITH BLEED PORT; N3 = WITH VALVED BLEED PORT
- ANGLE VALVE: A1 = CONVENTIONAL PORT ANGLE VALVE; A2 = FULL PORT ANGLE VALVE

VALVE MATERIALS

CODE	DESCRIPTION
1	CARBON STEEL
2	LOW TEMP.
3	304SS
4	316SS
5	1 1/4 CR – 1/2 MO
6	CPVC
7	BRASS

CONTROL VALVE DESIGNATIONS

CODE	DESCRIPTION
FC	FAIL CLOSED
FO	FAIL OPEN
FL	FAIL LOCKED (POSITION NO CHANGE)
TSO	TIGHT SHUTOFF
LO	LOCKED OPEN

INSULATION NOTE

CODE	DESCRIPTION
H	CALCIUM SILICATE
C	FIBERGLASS

VALVE DESIGNATION

CODE	DESCRIPTION
CSO	CAR SEAL OPEN
CSC	CAR SEAL CLOSED
GO	GEAR OPERATED
LC	LOCKED CLOSED
LO	LOCKED OPEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
P	PLUGGED

PIPING SPECS

CODE	DESCRIPTION
A1	CL150 CS
A4	CL150 SS
B1	CL300 CS

LINE TREATMENT

CODE	DESCRIPTION
E	ELECTRICAL HEAT TRACE

MATERIAL

CODE	DESCRIPTION
C.S.	CARBON STEEL
S.S.	STAINLESS STEEL

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TITLE : GENERAL NOTES AND LEGEND MECHANICAL

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

PROJECT NAME/NUMBER: SERVER FARM ATL2

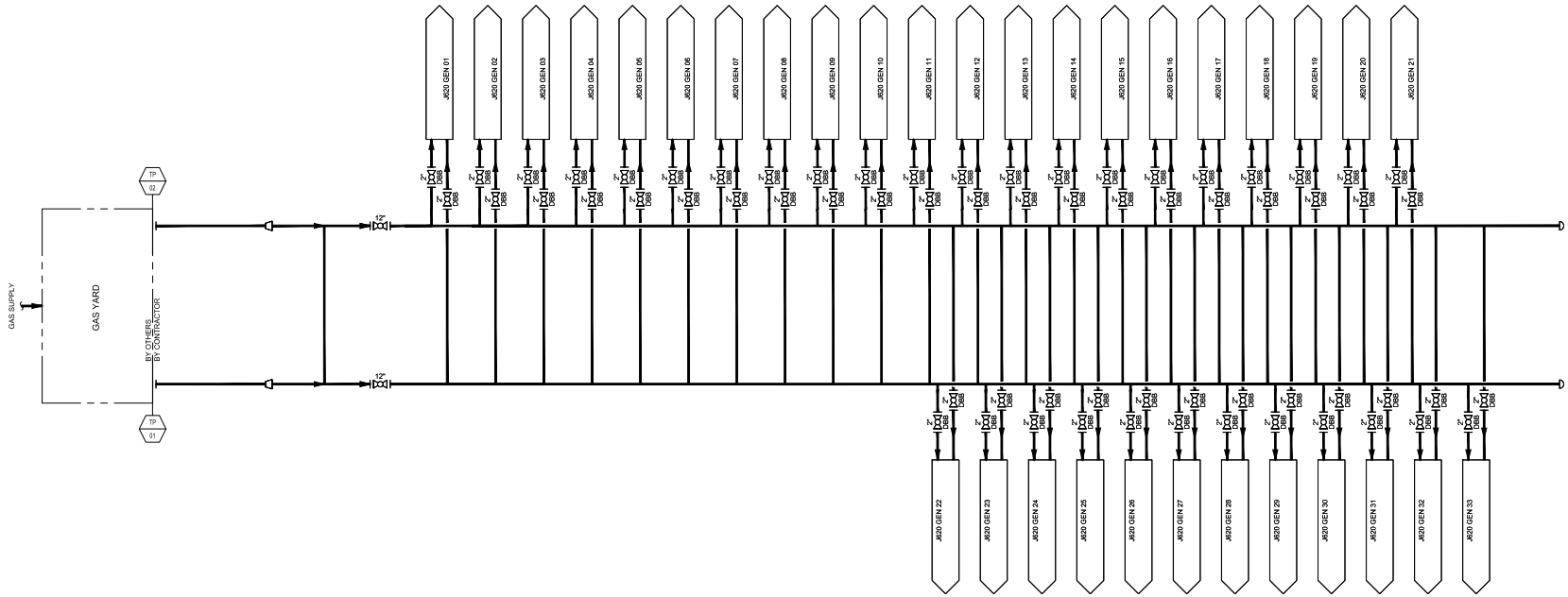
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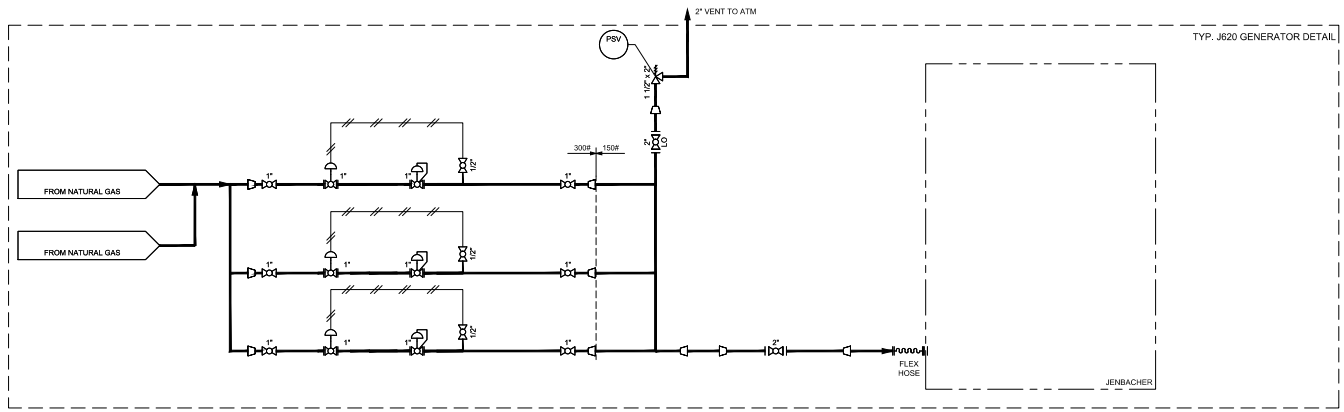
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REV.: 0

NUMBER OF SHEET: -

VG005110





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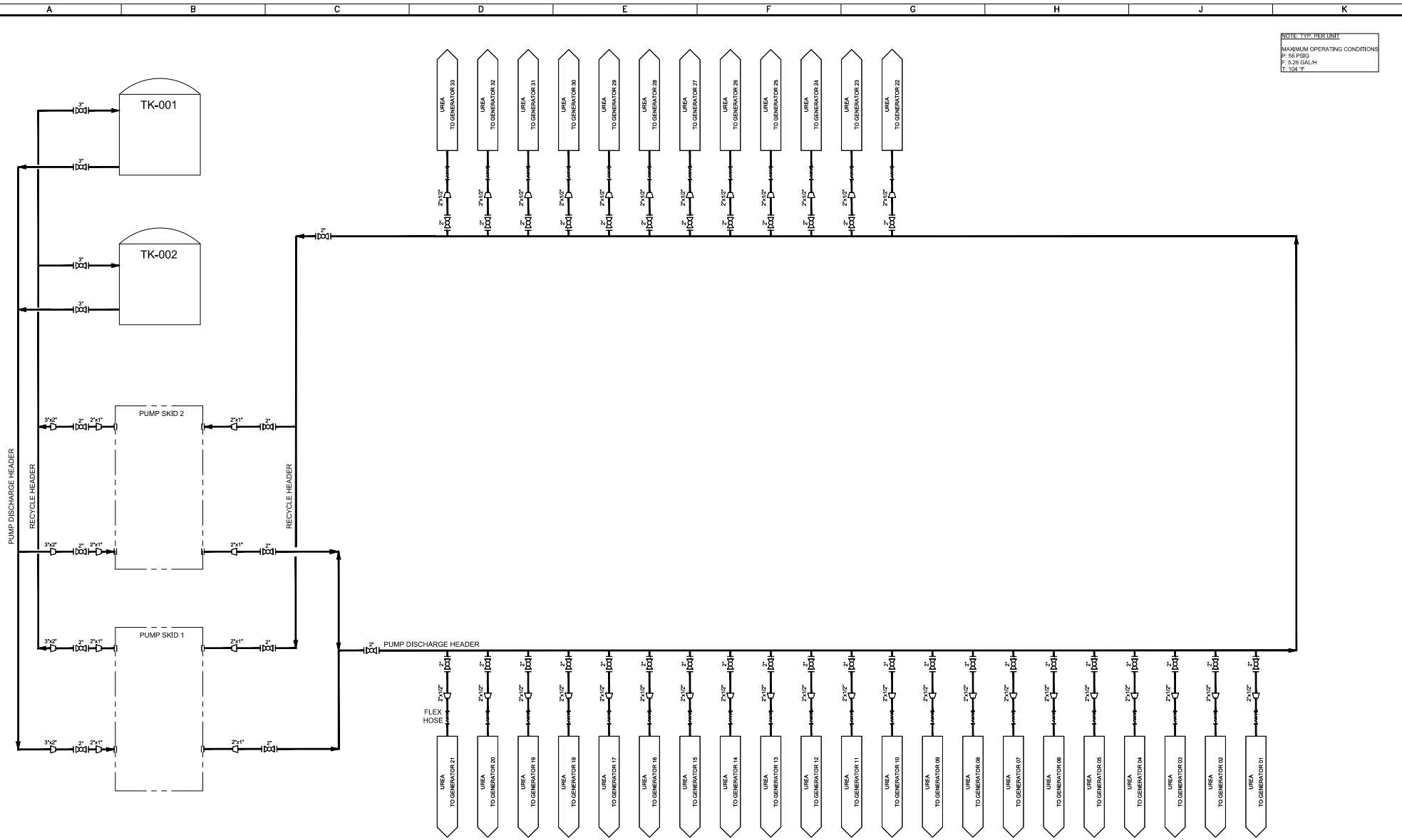
TITLE :
FUEL GAS
PROCESS FLOW DIAGRAM

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

PROJECT NAME/NUMBER:
SERVER FARM ATL2

DRAWING NO.:
25108102-001-MP-DRW-0100-001

SCALE: NONE
REV.: 0
NUMBER OF SHEET: 1 OF 1



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TITLE :
UREA
PROCESS FLOW DIAGRAM

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

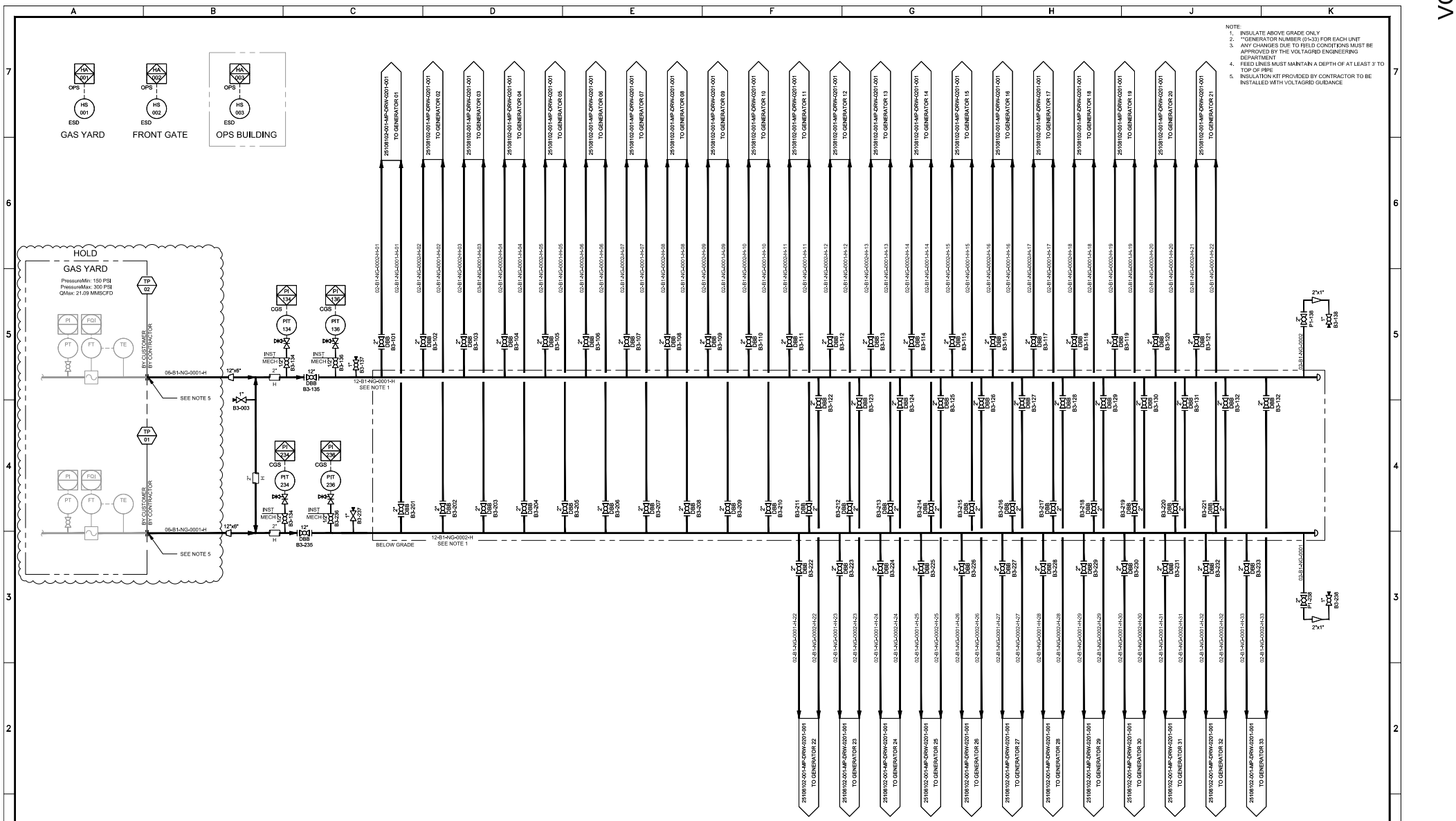
PROJECT NAME/NUMBER:
SERVER FARM ATL2

DRAWING NO.:
25108102-001-MP-DRW-0101-001

SCALE: NONE

REV.: 0

NUMBER OF SHEET: 1 OF 1



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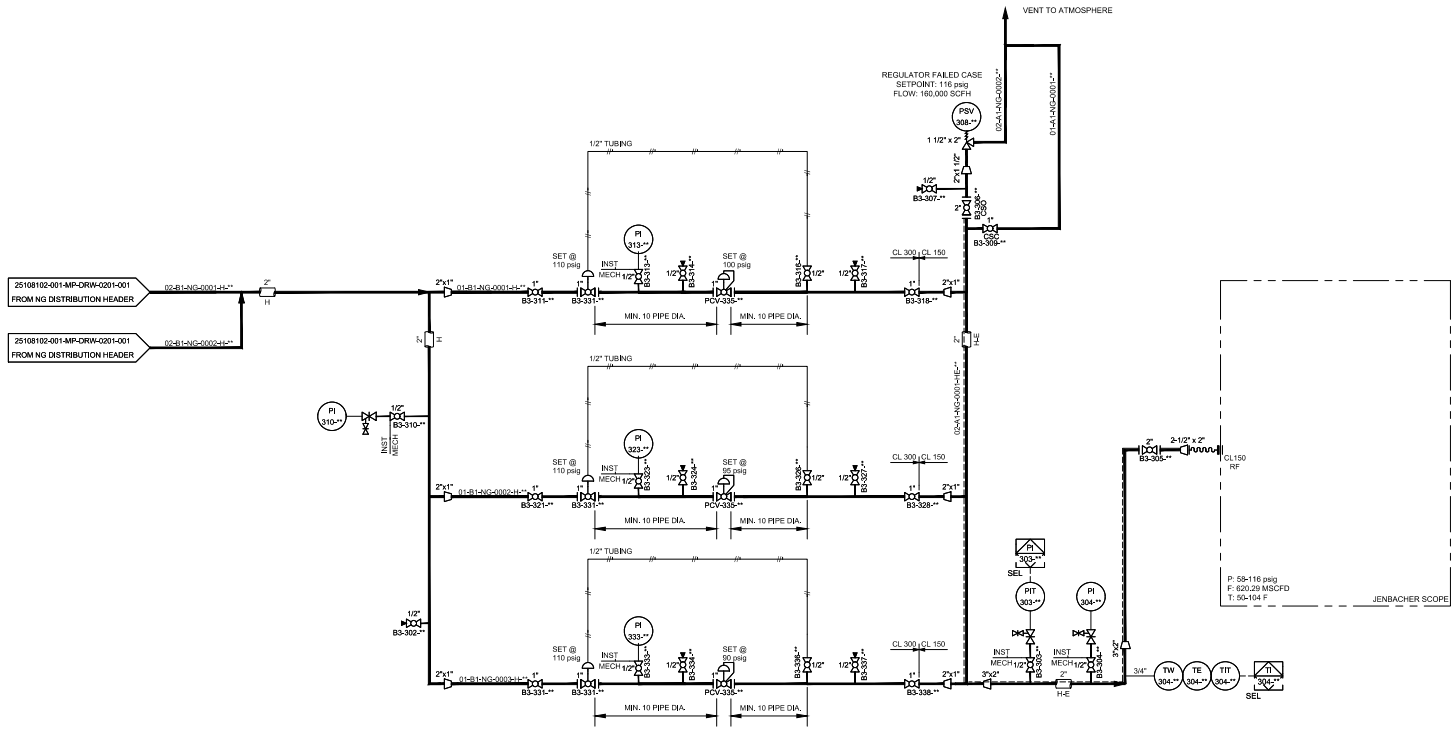
TITLE :
FUEL GAS HEADER
PIPING & INSTRUMENTATION DIAGRAM

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

PROJECT NAME/NUMBER: SERVER FARM ATL2
DRAWING NO.: 25108102-001-MP-DRW-0200-001
SCALE: NONE
REV.: 0
NUMBER OF SHEET: 1 OF 1

VG005113

NOTE:
1. INSULATE ABOVE GRADE ONLY.
2. **GENERATOR NUMBER (01-33) FOR EACH UNIT.
3. ANY CHANGES DUE TO FIELD CONDITIONS MUST BE APPROVED BY THE VOLTAGRID ENGINEERING DEPARTMENT.
4. SEL - GENERATOR PROTECTION RELAY (SEL-700G).



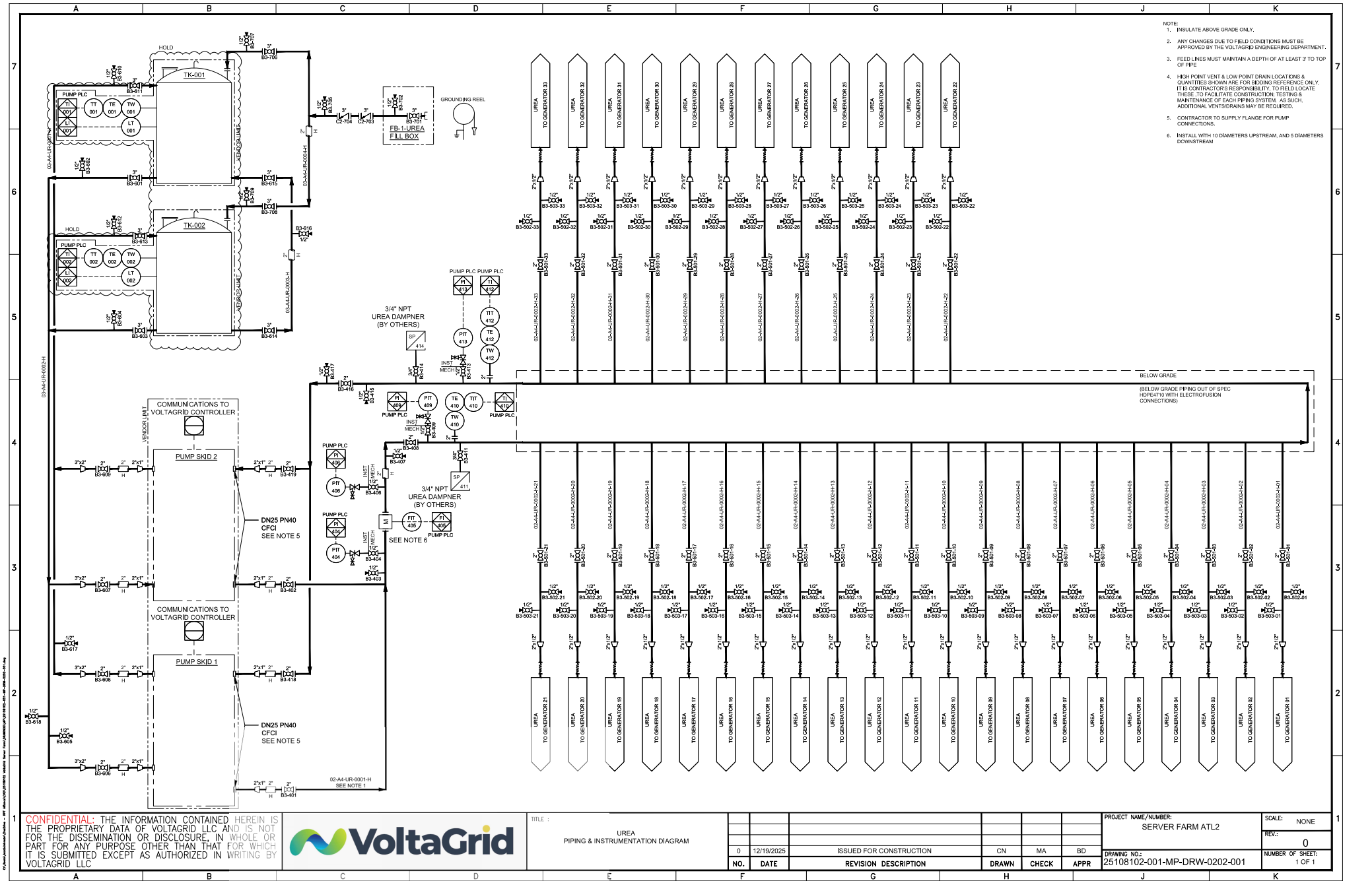
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TITLE :
FUEL GAS
TYPICAL GENERATOR
PIPING AND INSTRUMENTATION DIAGRAM

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

PROJECT NAME/NUMBER: SERVER FARM ATL2
DRAWING NO.: 25108102-001-MP-DRW-0201-001
SCALE: NONE
REV.: 0
NUMBER OF SHEET: 1 OF 1



NOTE:
1. INSULATE ABOVE GRADE ONLY.
2. ANY CHANGES DUE TO FIELD CONDITIONS MUST BE APPROVED BY THE VOLTAGRID ENGINEERING DEPARTMENT.
3. FEED LINES MUST MAINTAIN A DEPTH OF AT LEAST 3' TO TOP OF PIPE
4. HIGH POINT VENT & LOW POINT DRAIN LOCATIONS & QUANTITIES SHOWN ARE FOR BIDDING REFERENCE ONLY. IT IS CONTRACTOR'S RESPONSIBILITY, TO FIELD LOCATE THESE. TO FACILITATE CONSTRUCTION, TESTING & MAINTENANCE OF EACH PIPING SYSTEM. AS SUCH, ADDITIONAL VENTS/DRAINS MAY BE REQUIRED.
5. CONTRACTOR TO SUPPLY FLANGE FOR PUMP CONNECTIONS.
6. INSTALL WITH 10 DIAMETERS UPSTREAM, AND 5 DIAMETERS DOWNSTREAM

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TITLE :
UREA
PIPING & INSTRUMENTATION DIAGRAM

NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECK	APPR
0	12/19/2025	ISSUED FOR CONSTRUCTION	CN	MA	BD

PROJECT NAME/NUMBER: SERVER FARM ATL2
DRAWING NO.: 25108102-001-MP-DRW-0202-001
SCALE: NONE
REV.: 0
NUMBER OF SHEET: 1 OF 1

VG005114