VG005127

INCL.	DRAWING NUMBER	DWG. TITLE	REV
X	02-8"-NG-C001-H-05-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-05-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-06-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-06-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-07-S-H	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-09-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-09-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-1C-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-1C-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-11-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-11-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-12-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-12-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-13-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-13-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-14-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-14-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-15-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-15-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-1E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-1E-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-17-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-17-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-1E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-1E-S-I2	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-15-S-I2	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-21-S-I2	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-23-S-I2	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-25-S-H	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-2E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-2E-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-27-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-27-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-2E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-2E-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-25-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-25-S-I2	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-3C-S-I2	PIPING ISOMETRIC	0
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X	02-8"-NG-C001-H-31-S-I2	PIPING ISOMETRIC	0
X	02-8"-NG-C001-H-32-S-H	PIPING ISOMETRIC	0
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X	02-8"-NG-C002-H-13-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-14-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-15-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-1E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-17-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-1E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-15-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-2C-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-21-S-H	PIPING ISOMETRIC	0
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X	02-8"-NG-C002-H-25-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-2E-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-27-S-H	PIPING ISOMETRIC	0
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X	02-8"-NG-C002-H-25-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-3C-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-31-S-H	PIPING ISOMETRIC	0
X	02-8"-NG-C002-H-32-S-H	PIPING ISOMETRIC	0
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X	03-A4-UR-0201-H-S-I3	PIPING ISOMETRIC	0
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X	03-A4-UR-0201-H-S-I5	PIPING ISOMETRIC	0
X	03-A4-UR-0202-H-S-I1	PIPING ISOMETRIC	0
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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
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X	06-B1-NG-00C*-H-SH2	PIPING ISOMETRIC	0
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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

VG005128

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

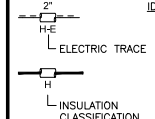
MISCELLANEOUS SYMBOLS CONTINUED

- 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

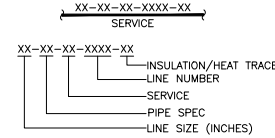
AG	ACID GAS	HO	HOT OIL	PTW	WATER, POTABLE
AI	AIR, INSTRUMENT	IA	INSTRUMENT AIR	RA	RICH AMINE
AS	AIR, STARTING	IG	INSTRUMENT GAS	RC	RAW CONDENSATE
CD	CONDENSATE	JW	JACKET WATER	RG	RICH GLYCOL
DPC	DRAIN, CLOSED	LA	LEAN AMINE	S	STEAM
DPO	DRAIN, OPEN	LG	LEAN GLYCOL	SC	STABLE CONDENSATE
FG	FUEL GAS	LO	LUBE 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

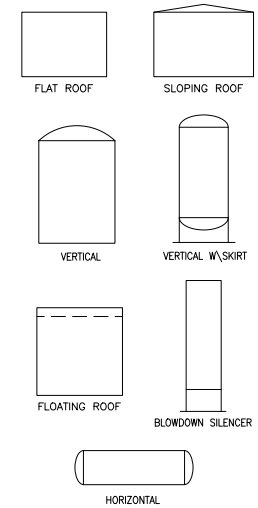


IDENTIFIER:	CLASSIFICATION:
PP	PERSONNEL PROTECTION
H	HEAT CONSERVATION
E	ELECTRICALLY TRACED
C	COLD CONSERVATION
AS	ANTISWEAT
FP	FREEZE PROTECTION

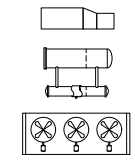
LINE NUMBERING



TANKS & VESSELS



MISCELLANEOUS EQUIPMENT



ABBREVIATIONS

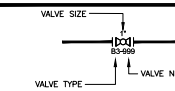
A	- ANALOG SIGNAL	FQ	- FLOW TOTALIZER/FLOW COMPUTER	OT	- OPERATING TEMPERATURE	TS*	- TEMPERATURE SWITCH
AAM	- AUTOMANUAL SELECTOR	FQI	- FLOW TOTALIZING INDICATOR	PA*	- PRESSURE ALARM	TSO	- TIGHT SEAL OFF
AH	- ANALYSIS ALARM	FQS*	- FLOW TOTALIZING SWITCH	PC	- PRESSURE CONTROLLER	TT	- TEMPERATURE TRANSMITTER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

EQUIPMENT DESIGNATIONS
INSTRUMENT & ACTUATED VALVE NUMBERING



SEE GENERAL NOTES ON THIS SHEET

VALVE NUMBERING SYSTEM



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

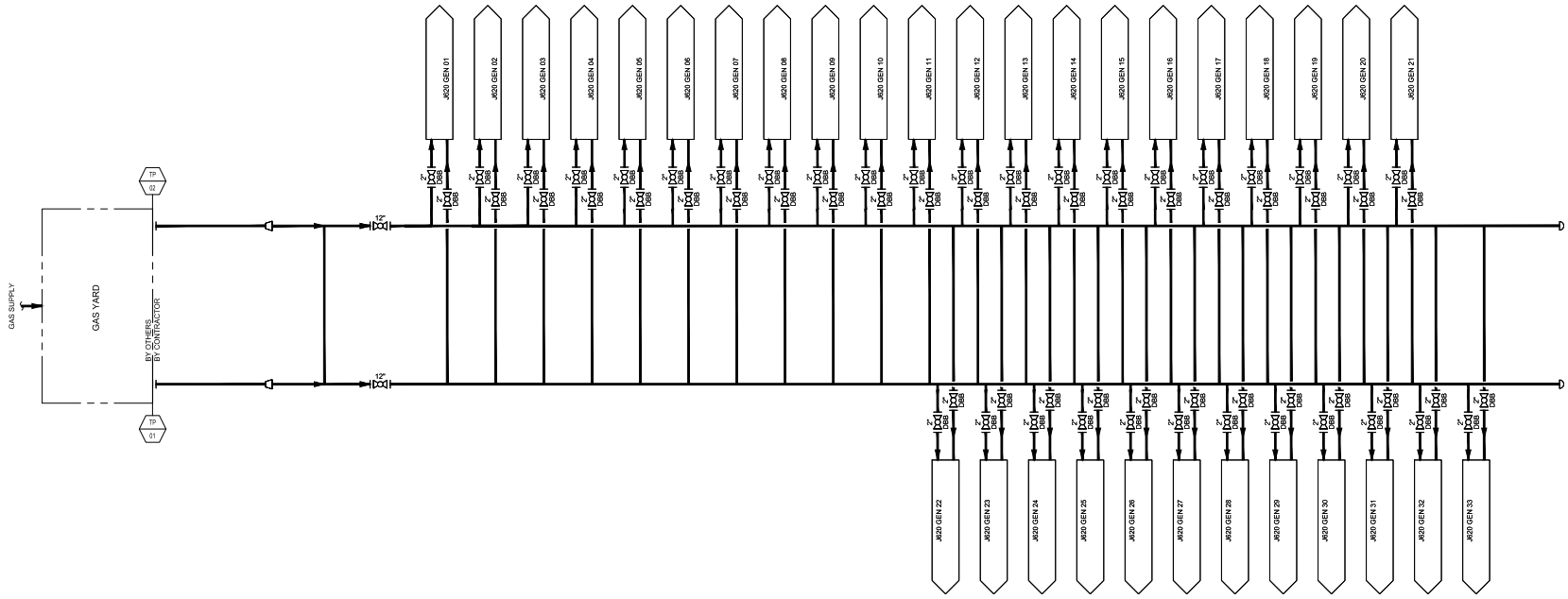
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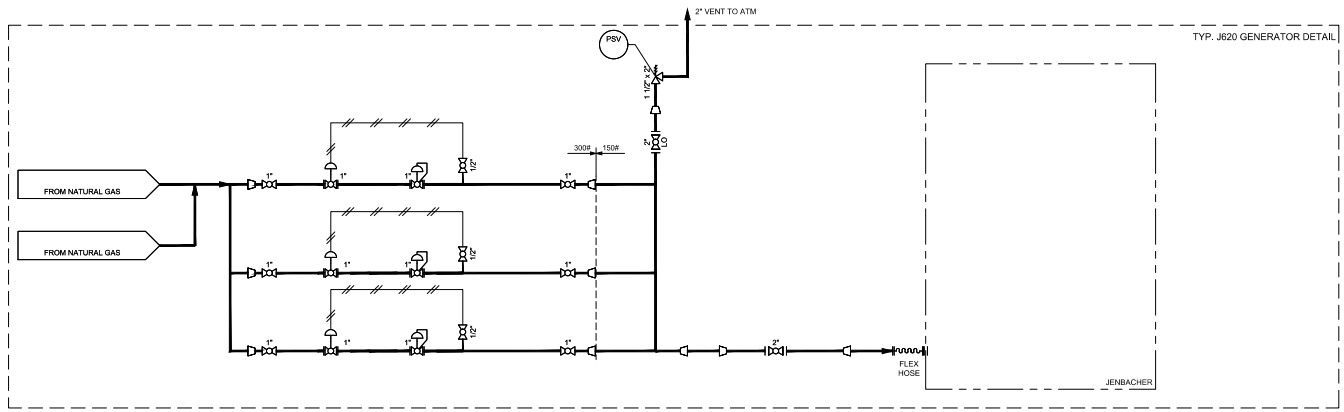
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REV.: 0

NUMBER OF SHEET: -

VG005129





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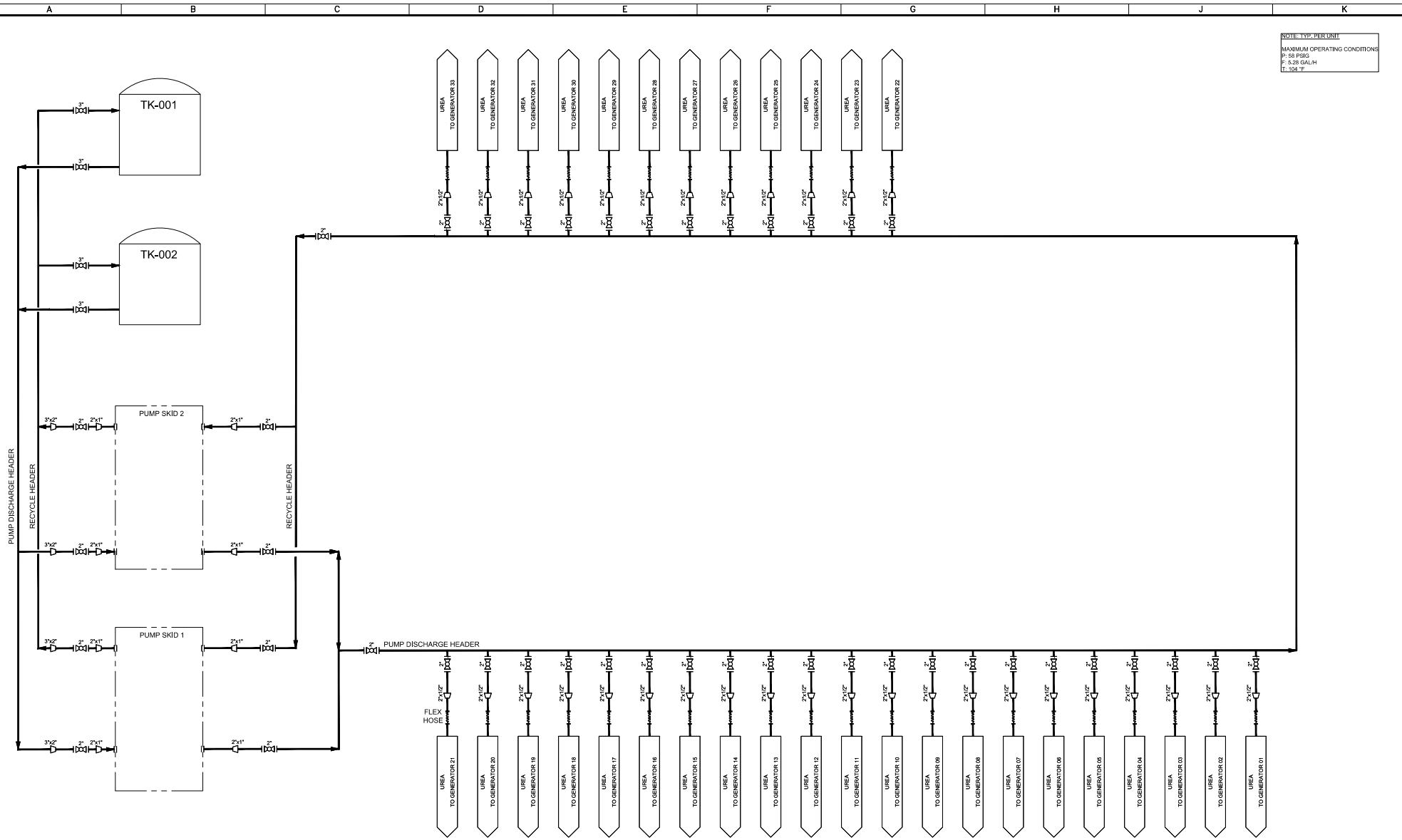
TITLE :
FUEL GAS
PROCESS FLOW DIAGRAM

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

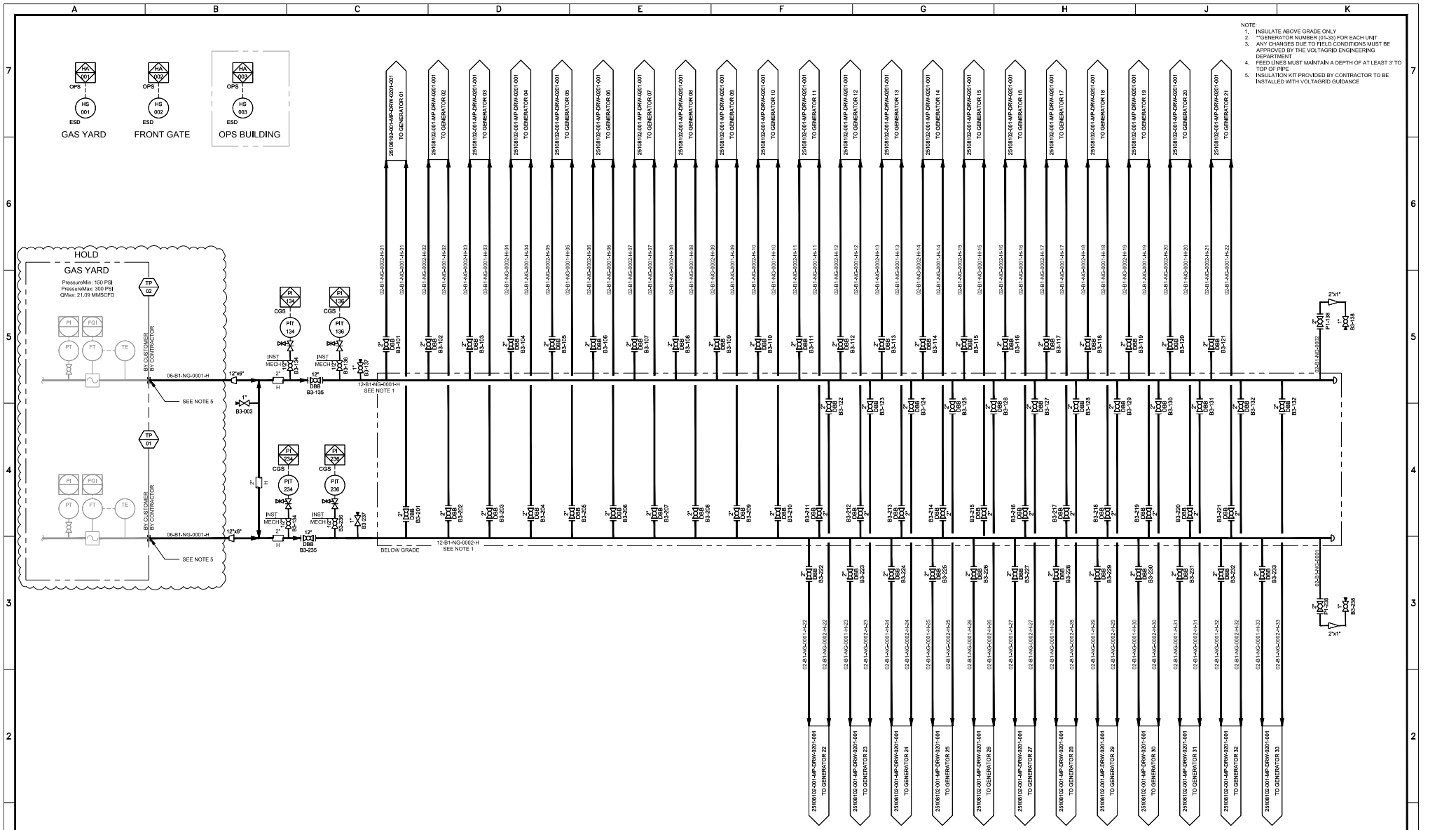
PROJECT NAME/NUMBER:
SERVER FARM ATL2

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

SCALE: NONE

REV.: 0

NUMBER OF SHEET: 1 OF 1



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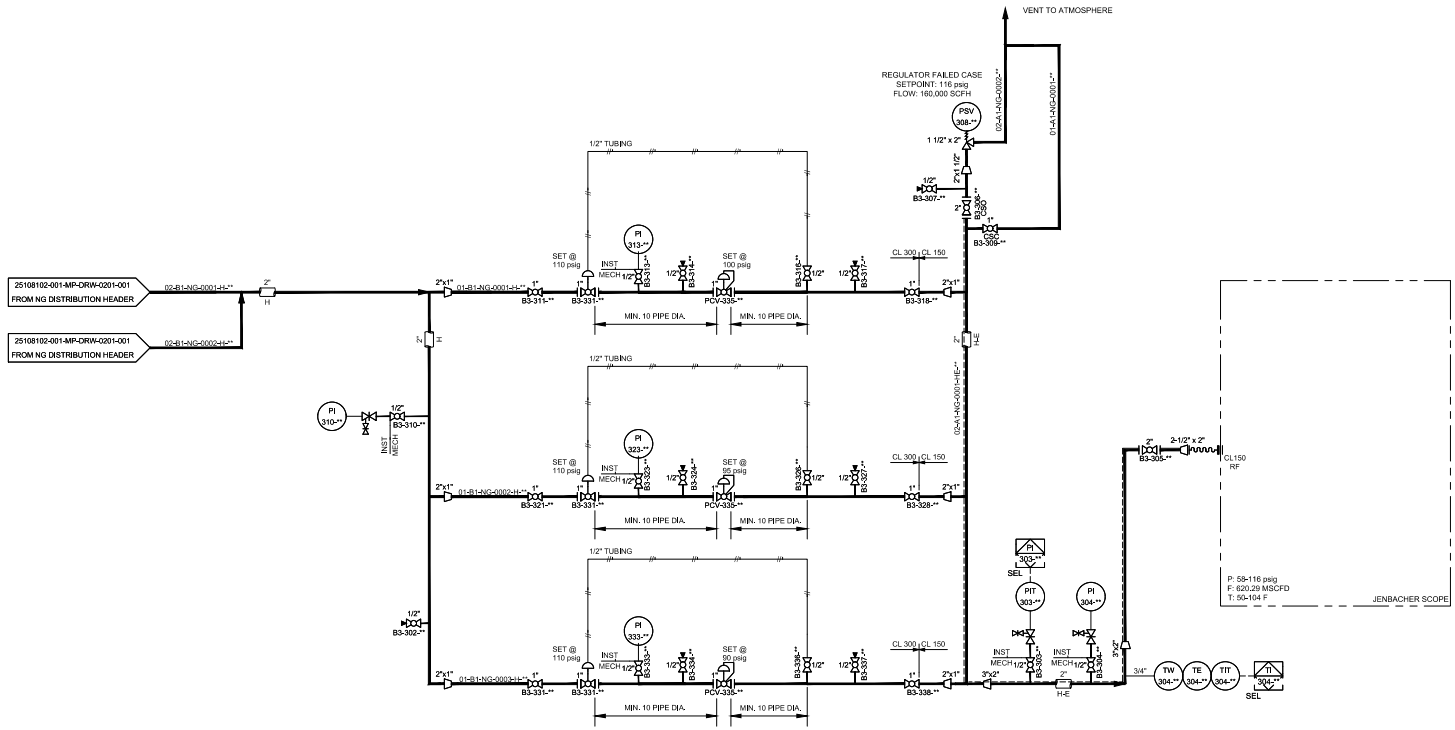
TITLE :
FUEL GAS HEADER
PIPING & INSTRUMENTATION DIAGRAM

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

VG005132

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).



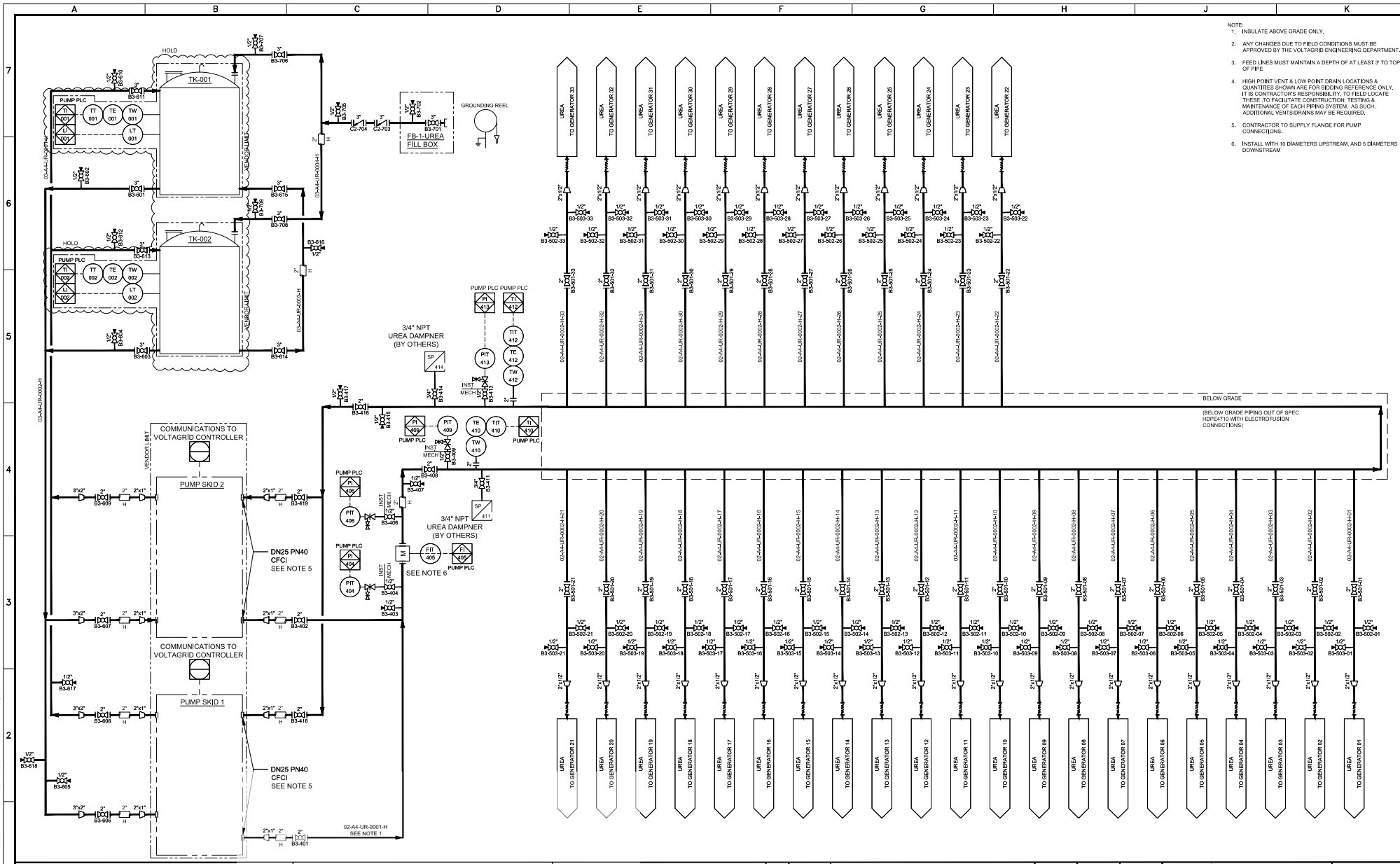
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TITLE :
FUEL GAS
TYPICAL GENERATOR
PIPING AND INSTRUMENTATION DIAGRAM

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 :
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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

VG005133