

DRAWINGS

FOR

INTUITECH

ADSORPTION MODULE A400

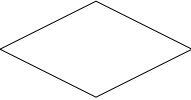
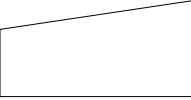
PROJECT 1763

FOR

INSTALLATION

RELEASE #1

MARCH 13, 2024

P O N M L K J I H G F E D C B A	1234				5678				9101112				13141516				17181920				21222324																											
	DEVICE SYMBOLS				INSTRUMENTATION				PROCESS EQUIPMENT				PUMPS/BLOWERS				VALVES				CONTROL PHILOSOPHY																											
	 FIELD MOUNTED DEVICE				 VARIABLE AREA FLOWMETER				 ELECTRIC MIXER				 BLOWER				 NEEDLE VALVE				 SEQUENCER STEP																											
	 ENCLOSURE MOUNTED DEVICE				 PADDLE WHEEL/ TURBINE FLOWMETER				 HEAT EXCHANGER				 CENTRIFUGAL PUMP				 BUTTERFLY VALVE				 DECISION																											
	 BACKPLANE MOUNTED DEVICE				 MAGNETIC FLOWMETER				 HEATER				 DIAPHRAGM PUMP				 CHECK VALVE				 OPERATOR INPUT																											
	 PROGRAMMABLE OPERATOR INTERFACE (ENCLOSURE MOUNTED)				 LAMINAR FLOWMETER				 STATIC MIXER				 FLEXIBLE IMPELLER PUMP				 GLOBE VALVE				 PROCESS																											
	 PROGRAMMABLE LOGIC CONTROLLER (BACKPLANE MOUNTED)				 VORTEX SHEDDING FLOWMETER				 PIPE WEIR WITH AIR BREAK				 BI-DIRECTIONAL FLEXIBLE IMPELLER PUMP				 DIAPHRAGM VALVE				 REFERENCE TO A DIFFERENT PAGE																											
					 THERMAL DISPERSION FLOWMETER				 EDUCTOR				 PERISTALTIC PUMP				 GATE VALVE				 IF CONDITION IS TRUE CONTINUE																											
					 ULTRASONIC LEVEL DEVICE				 FILTER / STRAINER				 PROGRESSIVE CAVITY PUMP				 3-WAY BALL VALVE																															
					 OPTICAL DISTANCE TRANSMITTER				 COALESCING FILTER				 ROTARY LOBE PUMP				 3-WAY GENERAL VALVE																															
	MISCELLANEOUS																																															
	 MINOR PROCESS LINE				 FLOAT LEVEL DEVICE				 ORIFICE PLATE				 GEAR PUMP				 GENERAL VALVE																															
	 MAJOR PROCESS LINE				 SIGHT LEVEL DEVICE				 RUPTURE DISK				 COMPRESSOR				 AIR RELIEF VALVE																															
	 ELECTRICAL SIGNAL				 GUIDED WAVE RADAR LEVEL DEVICE				 PRESSURE GAUGE ISOLATOR								 VACUUM RELIEF VALVE																															
	 WATER SURFACE				 PRESSURE DEVICE				 PIPE REDUCER																																							
	 DOUBLE WALL PIPE				 CAPACITIVE LEVEL DEVICE				 FLOW THROUGH CELL																																							
	 MAJOR ARROW								 INSPECTION LIGHT																																							
	 MINOR ARROW																																															
	 PROCESS VALUE POINT																																															
	 DRAIN WITH AIR BREAK																																															
	 PROCESS BOUNDARY																																															
	 CONDUIT SEAL-OFF																																															

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B	REV	DATE	BY	DESCRIPTION						 Intuitech® www.intuitech.com THIS DRAWING IS THE INTELLECTUAL PROPERTY OF INTUITECH AND MAY NOT BE REPRODUCED IN FULL OR IN PART FOR ANY PURPOSE ASIDE FROM THE PROJECT AS SPECIFIED ON THIS DOCUMENT					DIMENSIONAL TOLERANCES ARE AS FOLLOWS, UNLESS OTHERWISE SPECIFIED	TITLE: DEVICE TAG LEGEND						CLIENT: PROJECT: DRAWN BY: DRAWN DATE: DRAWING NAME: 0000-XXRL-02.VSD P.O.: REVISION: 0															
	1																							B													
	2																																				
A	3																							A													
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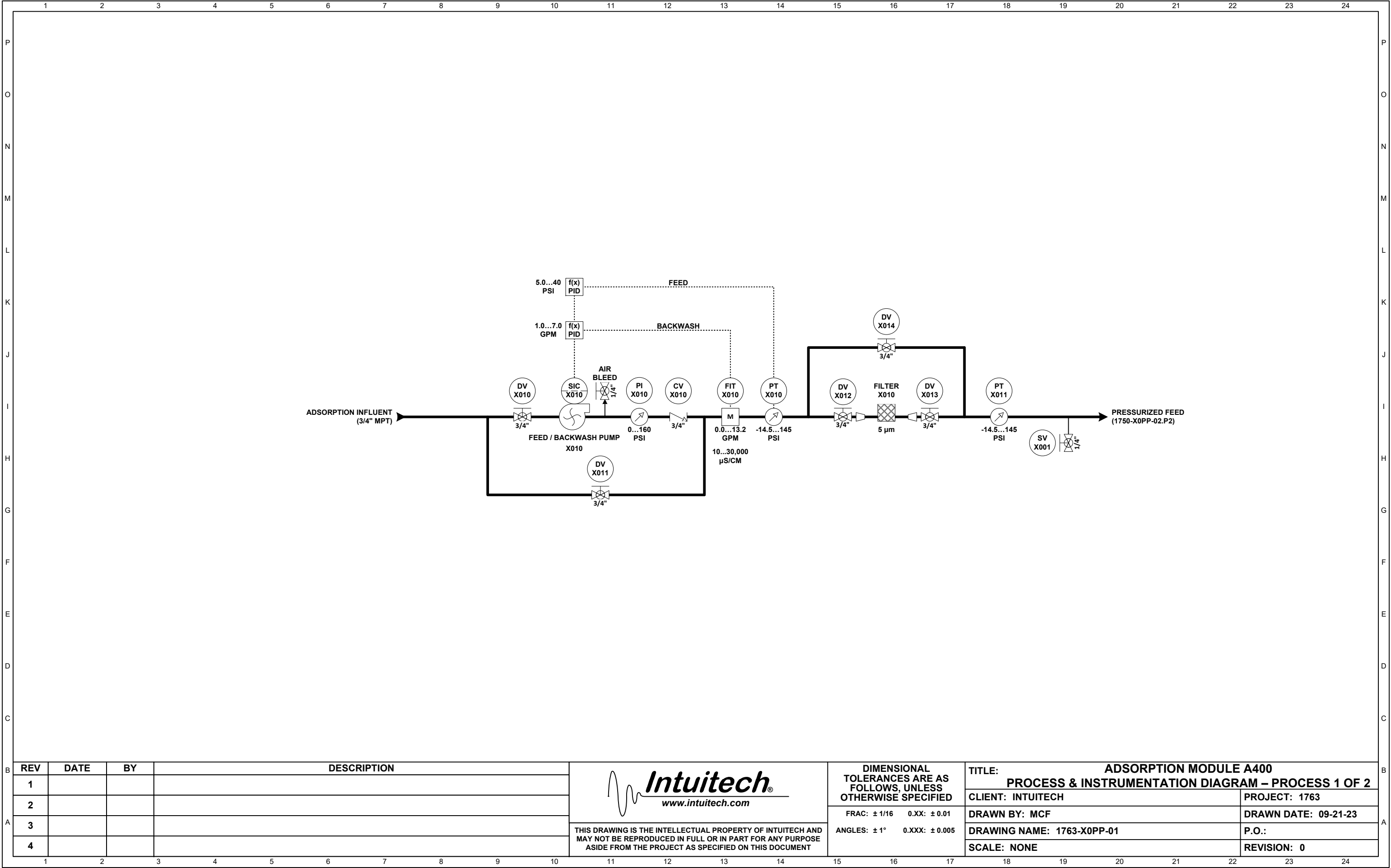
INPUT DEVICE TAG PREFIXES						
PARAMETER	ELEMENT / SENSOR	INDICATOR	TRANSMITTER		SWITCH	
			BLIND	INDICATING	HIGH	LOW
AMMONIUM	AME	AMI	AMT	AMIT	AMSH	AMSL
ANALYTICAL (UNSPECIFIED)	AE	AI	AT	AIT	ASH	ASL
CHLORINE	CHE	CHI	CHT	CHIT	CHSH	CHSL
TOTAL CHLORINE	TCHE	TCHI	TCHT	TCHIT	TCHSH	TCHSL
CONDUCTIVITY	CE	CI	CT	CIT	CSH	CSL
CURRENT	CUE	CUI	CUT	CUIT	CUSH	CUSL
DISSOLVED OXYGEN	DOE	DOI	DOT	DOIT	DOSH	DOSL
FLOW RATE	FE	FI	FT	FIT	FSH	FSL
FLOW TOTALIZER	FQE	FQI	FQT	FQIT	FQSH	FQSL
HARDNESS	HE	HI	HT	HIT	HSH	HSL
HYDROGEN SULFIDE	HSE	HSI	HST	HSIT	HSSH	HSSL
LEVEL	LE	LI	LT	LIT	LSH	LSL
LOWER EXPLOSION LIMIT	LELE	LELI	LELT	LELIT	LELH	LELL
NITROGEN	NE	NI	NT	NIT	NSH	NSL
ORP	ORE	ORI	ORT	ORIT	ORSH	ORSL
OXYGEN	OXE	OXI	OXT	OXIT	OXSH	OXSL
OZONE	OZE	OZI	OZT	OZIT	OZSH	OZSL
PARTICLE	PCE	PCI	PCT	PCIT	PCSH	PCSL
PH	PHE	PHI	PHT	PHIT	PHSH	PHSL
POSITION	ZE	ZI	ZT	ZIT	ZSH	ZSL
POWER	PWE	PWI	PWT	PWIT	PWSH	PWSL
POWER TOTALIZER	PWQE	PWQI	PWQT	PWQIT	PWQSH	PWQSL
PRESSURE	PE	PI	PT	PIT	PSH	PSL
PRESSURE DIFFERENTIAL	PDE	PDI	PDT	PDIT	PDSH	PDSL
RESISTIVITY	RE	RI	RT	RIT	RSH	RSL
RELATIVE HUMIDITY	RHE	RHI	RHT	RHIT	RHSH	RHSL
SPEED	SE	SI	ST	SIT	SSH	SSL
STREAMING CURRENT	SCE	SCI	SCT	SCIT	SCSH	SCSL
SUSPENDED SOLIDS	SSE	SSI	SST	SSIT	SSSH	SSSL
TEMPERATURE	TE	TI	TT	TIT	TSH	TSL
TIME TOTALIZER	TQE	TQI	TQT	TQIT	TQSH	TQSL
TOTAL ORGANIC CARBON	TCE	TCI	TCT	TCIT	TCSH	TCSL
TURBIDITY	TUE	TUI	TUT	TUIT	TUSH	TUSL
UV ABSORPTION OR TRANSMITTANCE	UVE	UVI	UVT	UVIT	UVSH	UVSL
VOLTAGE	VE	VI	VT	VIT	VSH	VSL
WEIGHT / FORCE	WE	WI	WT	WIT	WSH	WSL

ALARM DEVICE TAG PREFIXES		
PARAMETER	HIGH	LOW
AMMONIUM	AMAH	AMAL
ANALYTICAL (UNSPECIFIED)	AAH	AAL
CHLORINE	CHAH	CHAL
TOTAL CHLORINE	TCHAH	TCHAL
CONDUCTIVITY	CAH	CAL
CURRENT	CUAH	CUAL
DISSOLVED OXYGEN	DOAH	DOAL
FLOW RATE	FAH	FAL
FLOW TOTALIZER	FQAH	FQAL
HARDNESS	HAH	HAL
HYDROGEN SULFIDE	HSAH	HSAL
LEVEL	LAH	LAL
LOWER EXPLOSION LIMIT	LELH	LELL
NITROGEN	NAH	NAL
OXYGEN	OXAH	OXAL
OZONE	OZAH	OZAL
PARTICLE	PCAH	PCAL
PH	PAH	PHAL
POWER	PWAH	PWAL
POWER TOTALIZER	PWQAH	PWQAL
PRESSURE	PAH	PAL
PRESSURE DIFFERENTIAL	PDAH	PDAL
RESISTIVITY	RAH	RAL
RELATIVE HUMIDITY	RHAH	RHAL
SPEED	SAH	SAL
STREAMING CURRENT	SCAH	SCAL
SUSPENDED SOLIDS	SSAH	SSAL
TEMPERATURE	TAH	TAL
TIME TOTALIZER	TQAH	TQAL
TOTAL ORGANIC CARBON	TCAH	TCAL
TURBIDITY	TUAH	TUAL
UV ABSORPTION	UVAH	UVAL
VOLTAGE	VAH	VAL
WEIGHT / FORCE	WAH	WAL

OUTPUT DEVICE TAG PREFIXES	
DESCRIPTION	TAG
CHECK VALVE	CV
DISCRETE VALVE (OPEN/CLOSED)	DV
INJECTION VALVE	IV
PILOT VALVE	YV
PRESSURE REGULATOR	PR
PROPORTIONAL VALVE (MODULATING)	PV
RELIEF VALVE	RV
SAMPLE VALVE	SV

CONTROL DEVICE TAG PREFIXES	
DESCRIPTION	TAG
FLOW CONTROLLER	FC
FLOW INDICATING CONTROLLER	FIC
PRESSURE CONTROLLER	PC
PRESSURE INDICATING CONTROLLER	PIC
SPEED CONTROLLER	SC
SPEED INDICATING CONTROLLER (VFD)	SIC
TEMPERATURE CONTROLLER	TC
TEMPERATURE INDICATING CONTROLLER	TIC

[illegible]



REV	DATE	BY	DESCRIPTION
1			
2			
3			
4			

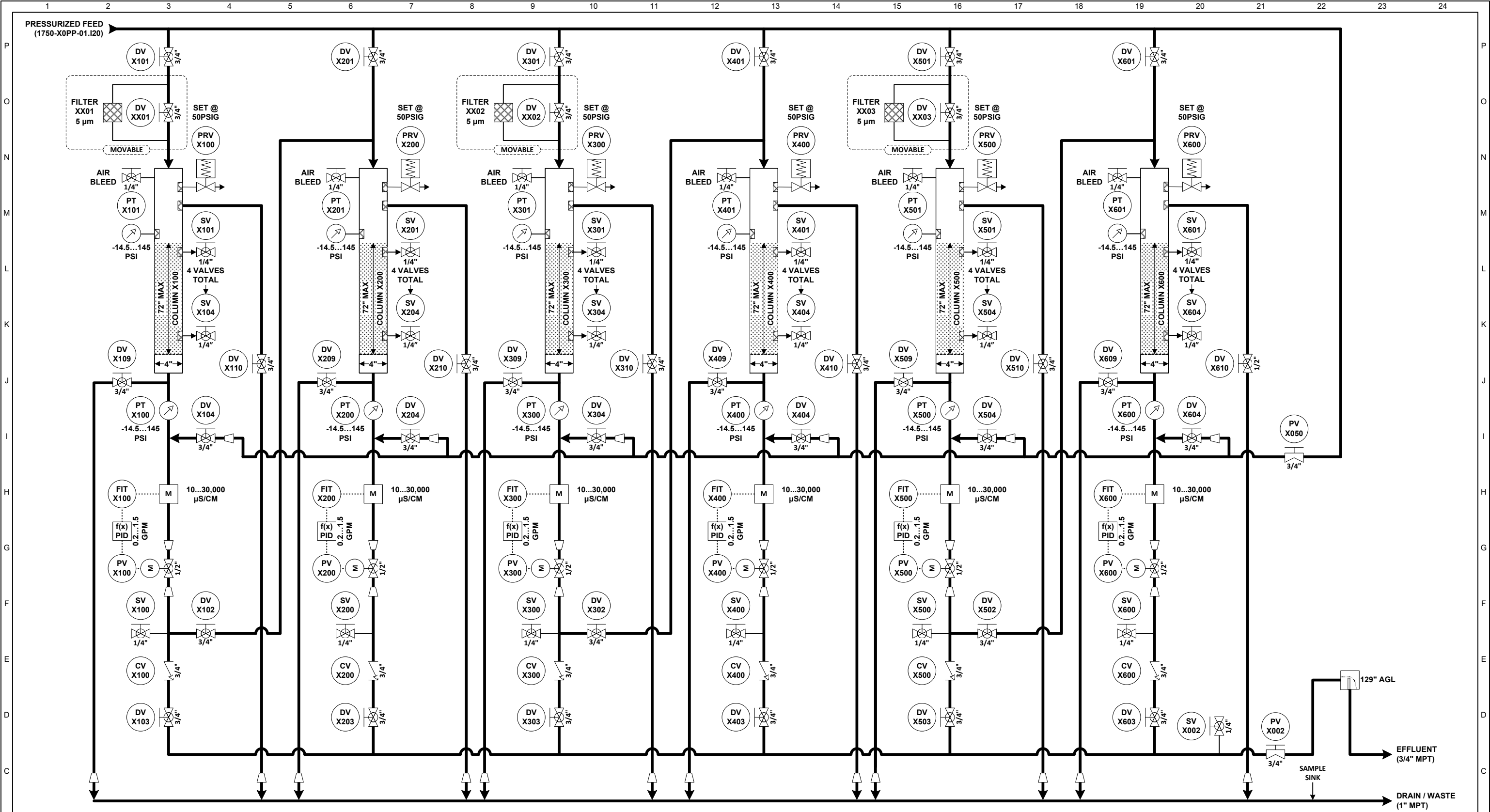


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DIMENSIONAL TOLERANCES ARE AS FOLLOWS, UNLESS OTHERWISE SPECIFIED	
FRAC: ± 1/16	0.XX: ± 0.01
ANGLES: ± 1°	0.XXX: ± 0.005

TITLE: ADSORPTION MODULE A400 PROCESS & INSTRUMENTATION DIAGRAM – PROCESS 1 OF 2	
CLIENT: INTUTECH	PROJECT: 1763
DRAWN BY: MCF	DRAWN DATE: 09-21-23
DRAWING NAME: 1763-X0PP-01	P.O.:
SCALE: NONE	REVISION: 0



REV	DATE	BY	DESCRIPTION
1	12-22-23	JES	CORRECTED SIZE OF EFFLUENT PIPE
2	01-02-24	MCF	ADDED MOVABLE CARTRIDGE FILTER ASSEMBLIES TO INFLUENT PIPING
3			
4			

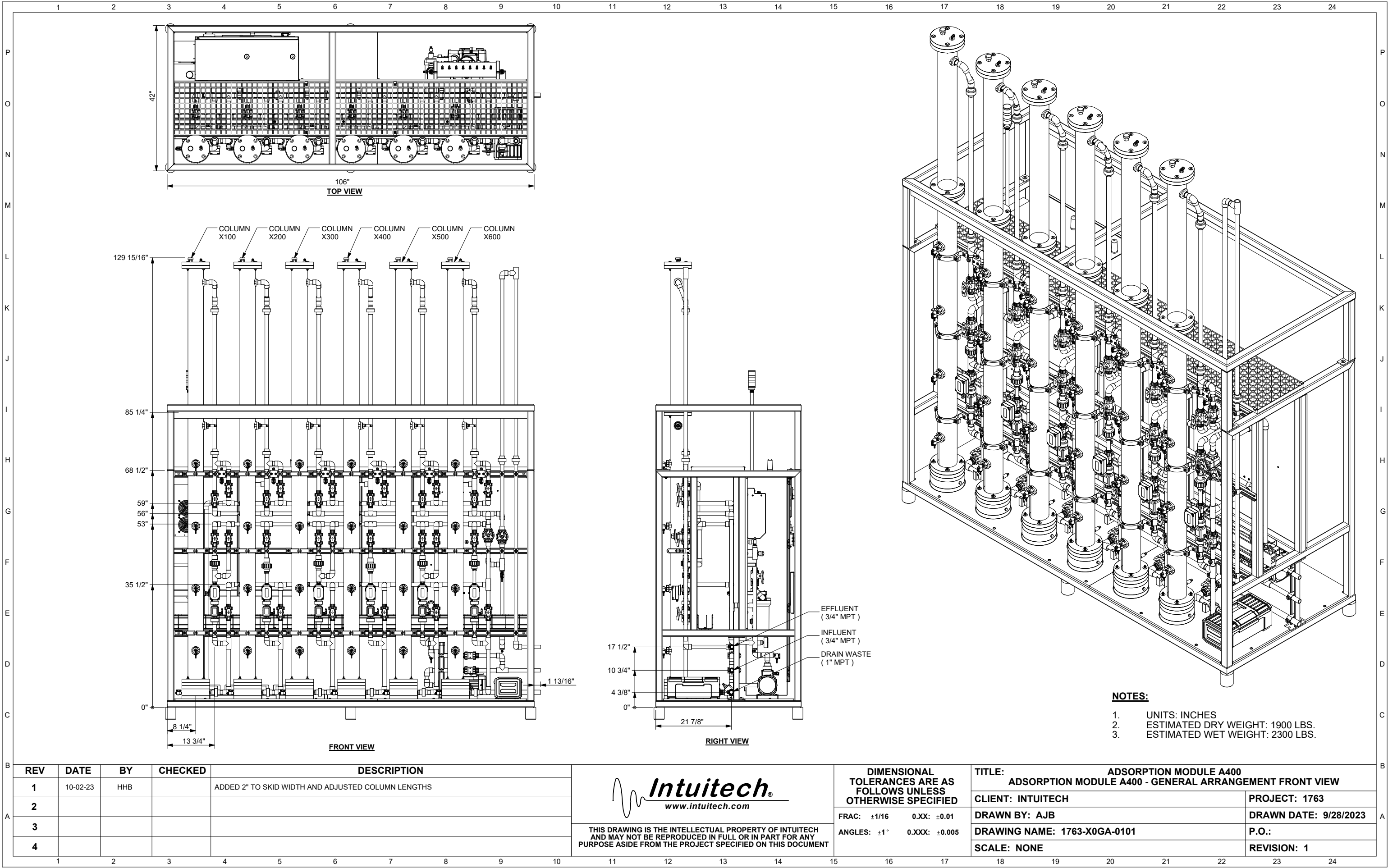


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DIMENSIONAL TOLERANCES ARE AS FOLLOWS, UNLESS OTHERWISE SPECIFIED	
FRAC: $\pm 1/16$	0.XX: ± 0.01
ANGLES: $\pm 1^\circ$	0.XXX: ± 0.005

TITLE: ADSORPTION MODULE A400	
PROCESS & INSTRUMENTATION DIAGRAM – PROCESS 2 OF 2	
CLIENT: INTUITECH	PROJECT: 1763
DRAWN BY: MCF	DRAWN DATE: 09-21-23
DRAWING NAME: 1763-X0PP-02	P.O.:
SCALE: NONE	REVISION: 2



REV	DATE	BY	CHECKED	DESCRIPTION
1	10-02-23	HHB		ADDED 2" TO SKID WIDTH AND ADJUSTED COLUMN LENGTHS
2				
3				
4				



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DIMENSIONAL TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED

FRAC:	±1/16	0.XX: ±0.01
ANGLES:	±1°	0.XXX: ±0.005

TITLE: ADSORPTION MODULE A400	
CLIENT: INTUITECH	
DRAWN BY: AJB	
DRAWING NAME: 1763-X0GA-0101	
SCALE: NONE	

PROJECT: 1763
DRAWN DATE: 9/28/2023
P.O.:
REVISION: 1

