

DRAWINGS

FOR

INTUITECH

FLOCCULATION & SEDIMENTATION MODULE S600

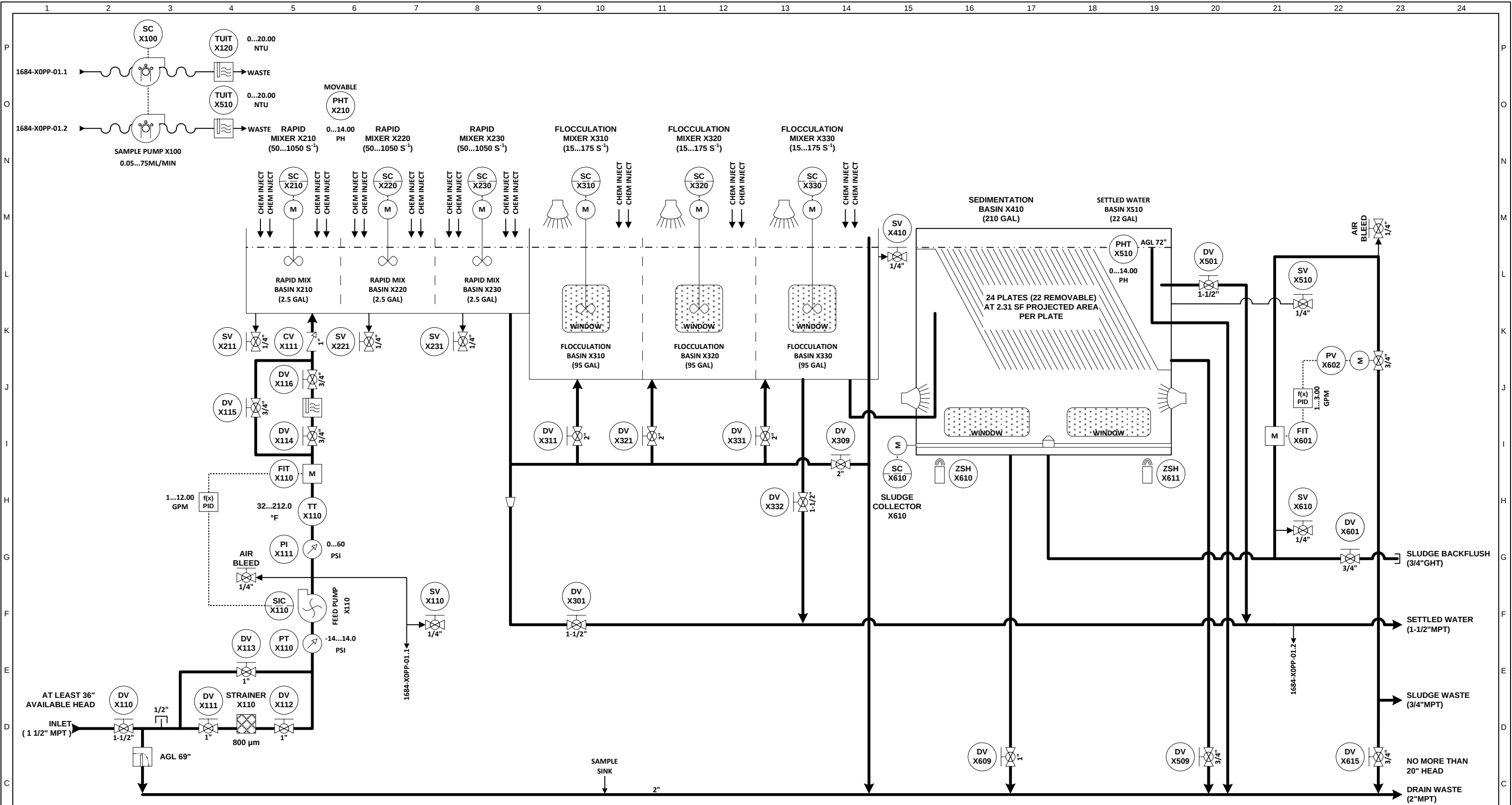
PROJECT 1684

FOR

INSTALLATION

RELEASE #1

APRIL 5, 2021



REV	DATE	BY	DESCRIPTION
1	03-15-21	AJB	MODIFIED DEVICE RANGES ON MIXERS & FLOW TRANSMITTERS, ADDED AGL'S
2			
3			
4			



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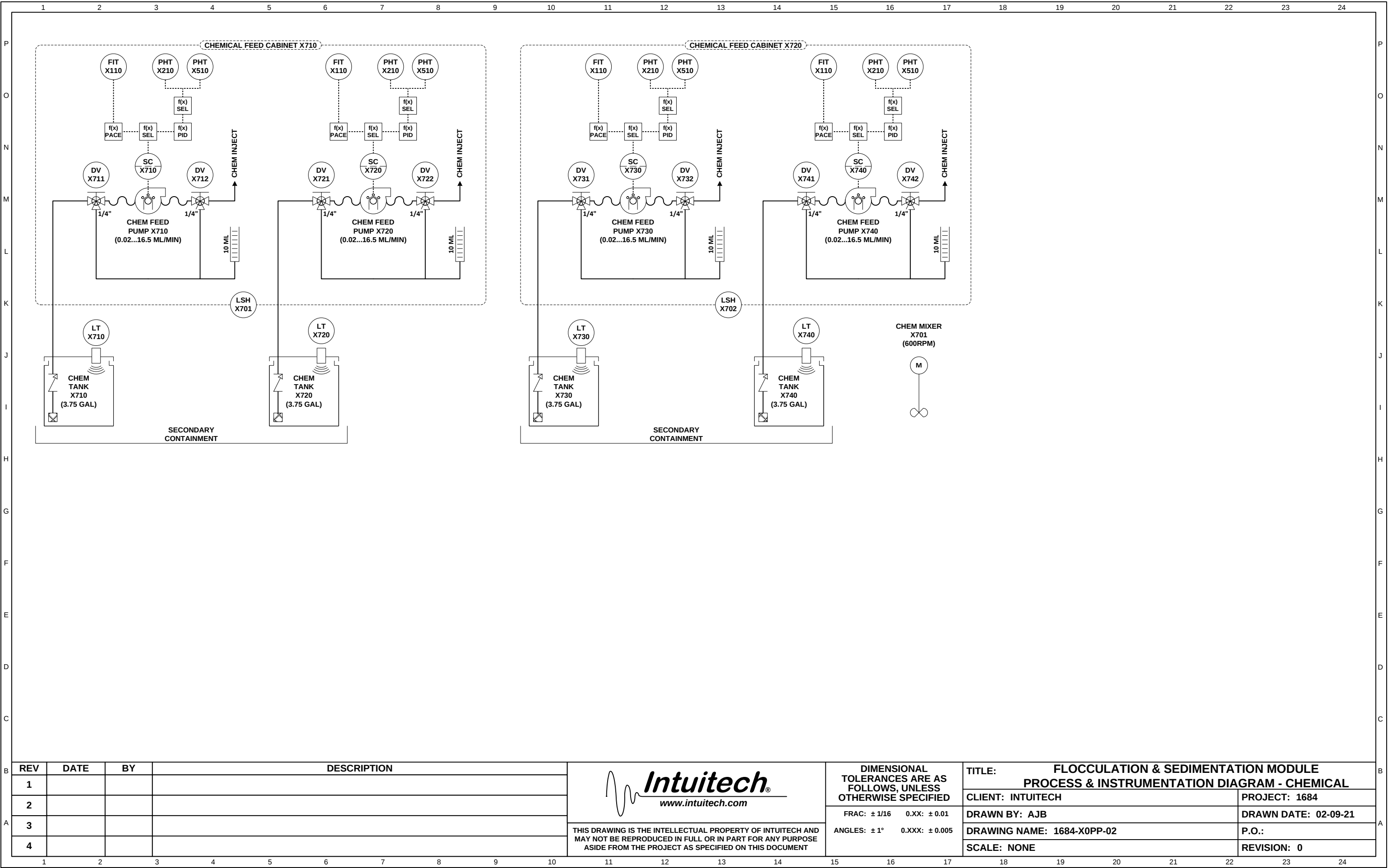
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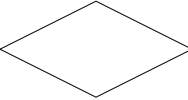
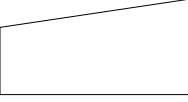
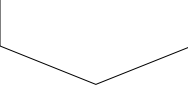
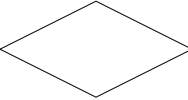
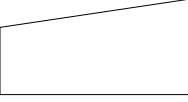
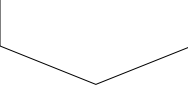
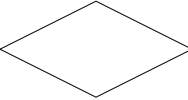
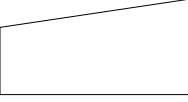
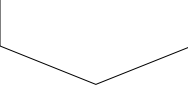
DIMENSIONAL TOLERANCES ARE AS FOLLOWS, UNLESS OTHERWISE SPECIFIED

FRAC: ± 1/16 0.XX: ± 0.01

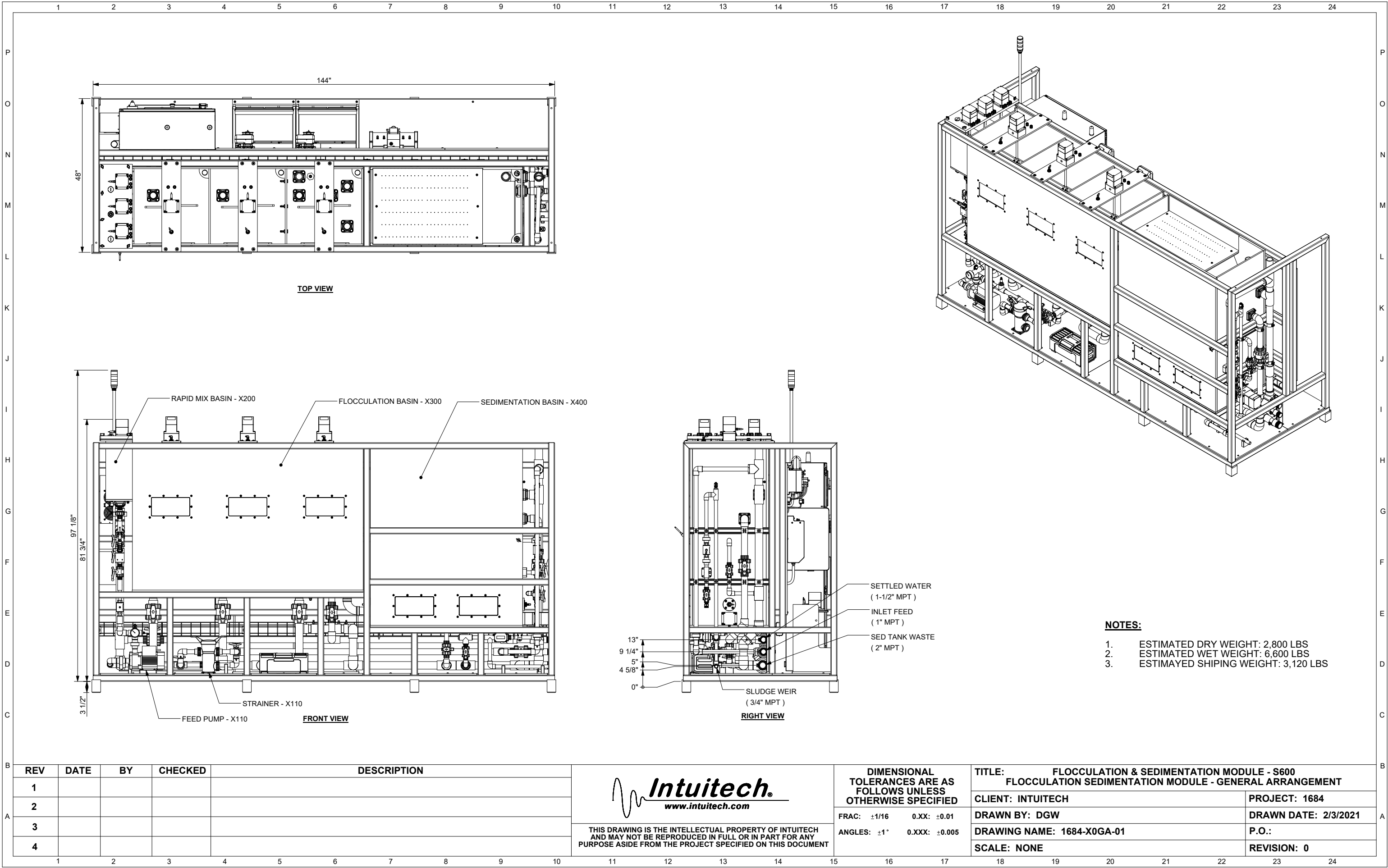
ANGLES: ± 1° 0.XXX: ± 0.005

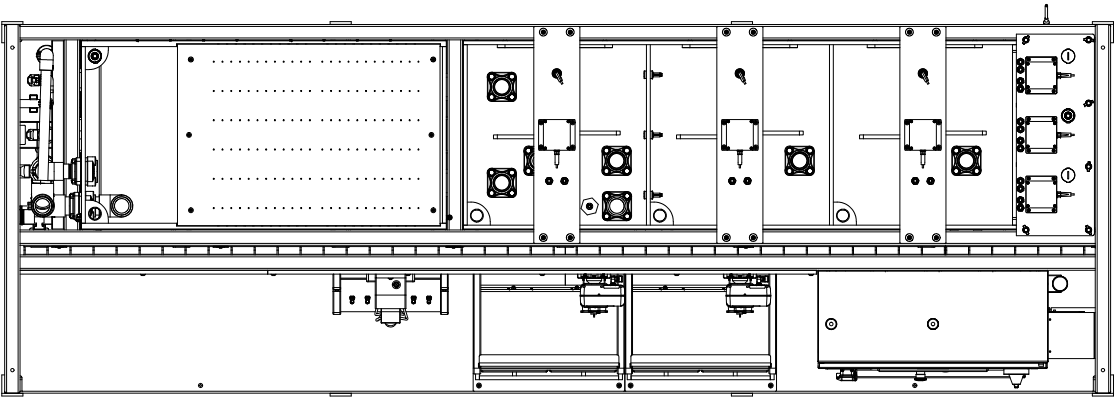
TITLE: FLOCCULATION & SEDIMENTATION MODULE PROCESS & INSTRUMENTATION DIAGRAM - PROCESS	
CLIENT: INTUITECH	PROJECT: 1684
DRAWN BY: AJB	DRAWN DATE: 02-09-21
DRAWING NAME: 1684-X0PP-01	P.O.:
SCALE: NONE	REVISION: 1



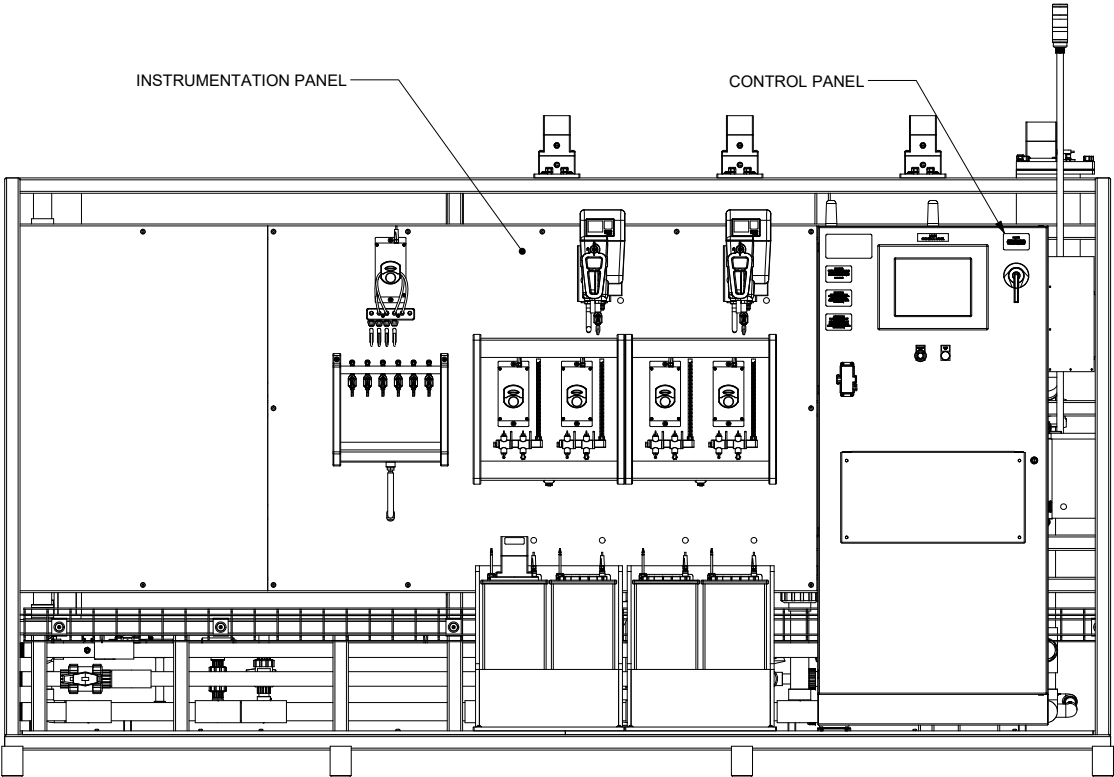
<table><tr><td colspan="4"> DEVICE SYMBOLS FIELD MOUNTED DEVICE ENCLOSURE MOUNTED DEVICE BACKPLANE MOUNTED DEVICE PROGRAMMABLE OPERATOR INTERFACE (ENCLOSURE MOUNTED) PROGRAMMABLE LOGIC CONTROLLER (BACKPLANE MOUNTED) </td><td colspan="4"> INSTRUMENTATION VARIABLE AREA FLOWMETER PADDLE WHEEL/ TURBINE FLOWMETER MAGNETIC FLOWMETER LAMINAR FLOWMETER VORTEX SHEDDING FLOWMETER THERMAL DISPERSION FLOWMETER ULTRASONIC LEVEL DEVICE OPTICAL DISTANCE TRANSMITTER FLOAT LEVEL DEVICE SIGHT LEVEL DEVICE GUIDED WAVE RADAR LEVEL DEVICE PRESSURE DEVICE CAPACITIVE LEVEL DEVICE </td><td colspan="4"> PROCESS EQUIPMENT ELECTRIC MIXER HEAT EXCHANGER HEATER STATIC MIXER PIPE WEIR WITH AIR BREAK EDUCTOR FILTER / STRAINER COALESCING FILTER ORIFICE PLATE RUPTURE DISK PRESSURE GAUGE ISOLATOR PIPE REDUCER FLOW THROUGH CELL INSPECTION LIGHT </td><td colspan="4"> PUMPS/BLOWERS BLOWER CENTRIFUGAL PUMP DIAPHRAGM PUMP FLEXIBLE IMPELLER PUMP BI-DIRECTIONAL FLEXIBLE IMPELLER PUMP PERISTALTIC PUMP PROGRESSIVE CAVITY PUMP ROTARY LOBE PUMP GEAR PUMP COMPRESSOR PROPORTIONAL, INTEGRAL & DERIVATIVE FLOW PACING SUBTRACTION PULSE WIDTH MODULATION CALCULATION SELECTION SUMMATION MULTIPLEXER TRIM SET POINT LIMITING </td><td colspan="4"> VALVES NEEDLE VALVE BUTTERFLY VALVE BALL VALVE CHECK VALVE GLOBE VALVE DIAPHRAGM VALVE GATE VALVE 3-WAY BALL VALVE 3-WAY GENERAL VALVE PLUG VALVE GENERAL VALVE AIR RELIEF VALVE VACUUM RELIEF VALVE PRESSURE / SAFETY RELIEF VALVE </td><td colspan="4"> CONTROL PHILOSOPHY SEQUENCER STEP DECISION OPERATOR INPUT PROCESS REFERENCE TO A DIFFERENT PAGE IF CONDITION IS TRUE CONTINUE PRESSURE REGULATING ACTUATOR AIR-TO-OPEN/ SPRING TO CLOSE ACTUATOR AIR-TO-OPEN/ AIR-TO-CLOSE ACTUATOR AIR-TO-CLOSE/ SPRING-TO </td></tr></table>																								DEVICE SYMBOLS FIELD MOUNTED DEVICE ENCLOSURE MOUNTED DEVICE BACKPLANE MOUNTED DEVICE PROGRAMMABLE OPERATOR INTERFACE (ENCLOSURE MOUNTED) PROGRAMMABLE LOGIC CONTROLLER (BACKPLANE MOUNTED)				INSTRUMENTATION VARIABLE AREA FLOWMETER PADDLE WHEEL/ TURBINE FLOWMETER MAGNETIC FLOWMETER LAMINAR FLOWMETER VORTEX SHEDDING FLOWMETER THERMAL DISPERSION FLOWMETER ULTRASONIC LEVEL DEVICE OPTICAL DISTANCE TRANSMITTER FLOAT LEVEL DEVICE SIGHT LEVEL DEVICE GUIDED WAVE RADAR LEVEL DEVICE PRESSURE DEVICE CAPACITIVE LEVEL DEVICE				PROCESS EQUIPMENT ELECTRIC MIXER HEAT EXCHANGER HEATER STATIC MIXER PIPE WEIR WITH AIR BREAK EDUCTOR FILTER / STRAINER COALESCING FILTER ORIFICE PLATE RUPTURE DISK PRESSURE GAUGE ISOLATOR PIPE REDUCER FLOW THROUGH CELL INSPECTION LIGHT				PUMPS/BLOWERS BLOWER CENTRIFUGAL PUMP DIAPHRAGM PUMP FLEXIBLE IMPELLER PUMP BI-DIRECTIONAL FLEXIBLE IMPELLER PUMP PERISTALTIC PUMP PROGRESSIVE CAVITY PUMP ROTARY LOBE PUMP GEAR PUMP COMPRESSOR PROPORTIONAL, INTEGRAL & DERIVATIVE FLOW PACING SUBTRACTION PULSE WIDTH MODULATION CALCULATION SELECTION SUMMATION MULTIPLEXER TRIM SET POINT LIMITING				VALVES NEEDLE VALVE BUTTERFLY VALVE BALL VALVE CHECK VALVE GLOBE VALVE DIAPHRAGM VALVE GATE VALVE 3-WAY BALL VALVE 3-WAY GENERAL VALVE PLUG VALVE GENERAL VALVE AIR RELIEF VALVE VACUUM RELIEF VALVE PRESSURE / SAFETY RELIEF VALVE				CONTROL PHILOSOPHY SEQUENCER STEP DECISION OPERATOR INPUT PROCESS REFERENCE TO A DIFFERENT PAGE IF CONDITION IS TRUE CONTINUE PRESSURE REGULATING ACTUATOR AIR-TO-OPEN/ SPRING TO CLOSE ACTUATOR AIR-TO-OPEN/ AIR-TO-CLOSE ACTUATOR AIR-TO-CLOSE/ SPRING-TO			
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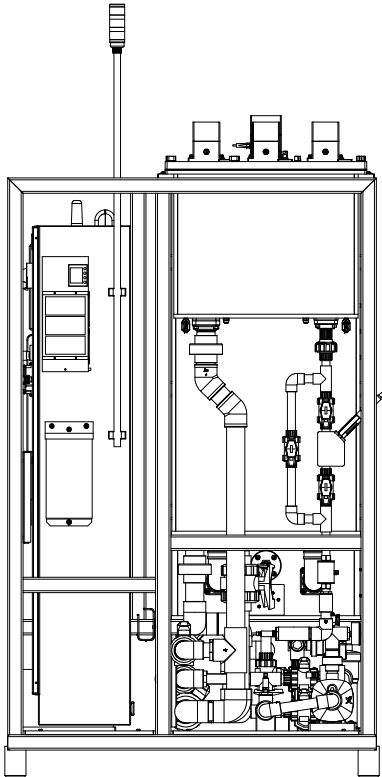




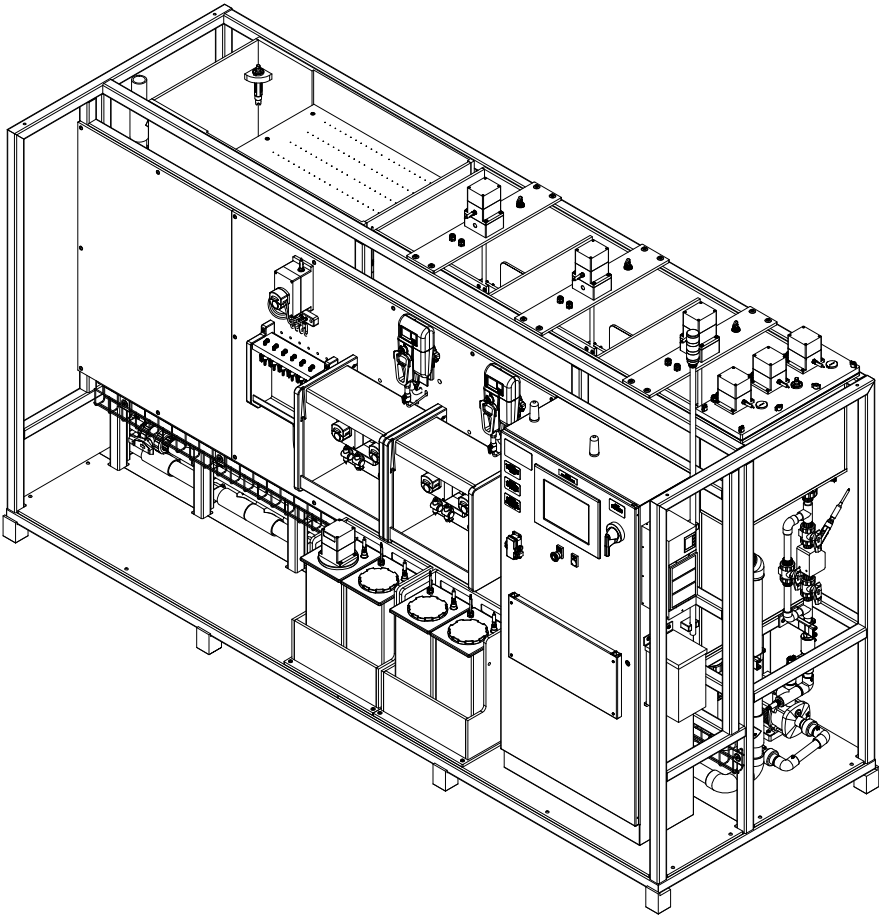
TOP VIEW



BACK VIEW



RIGHT VIEW



REV	DATE	BY	CHECKED	DESCRIPTION
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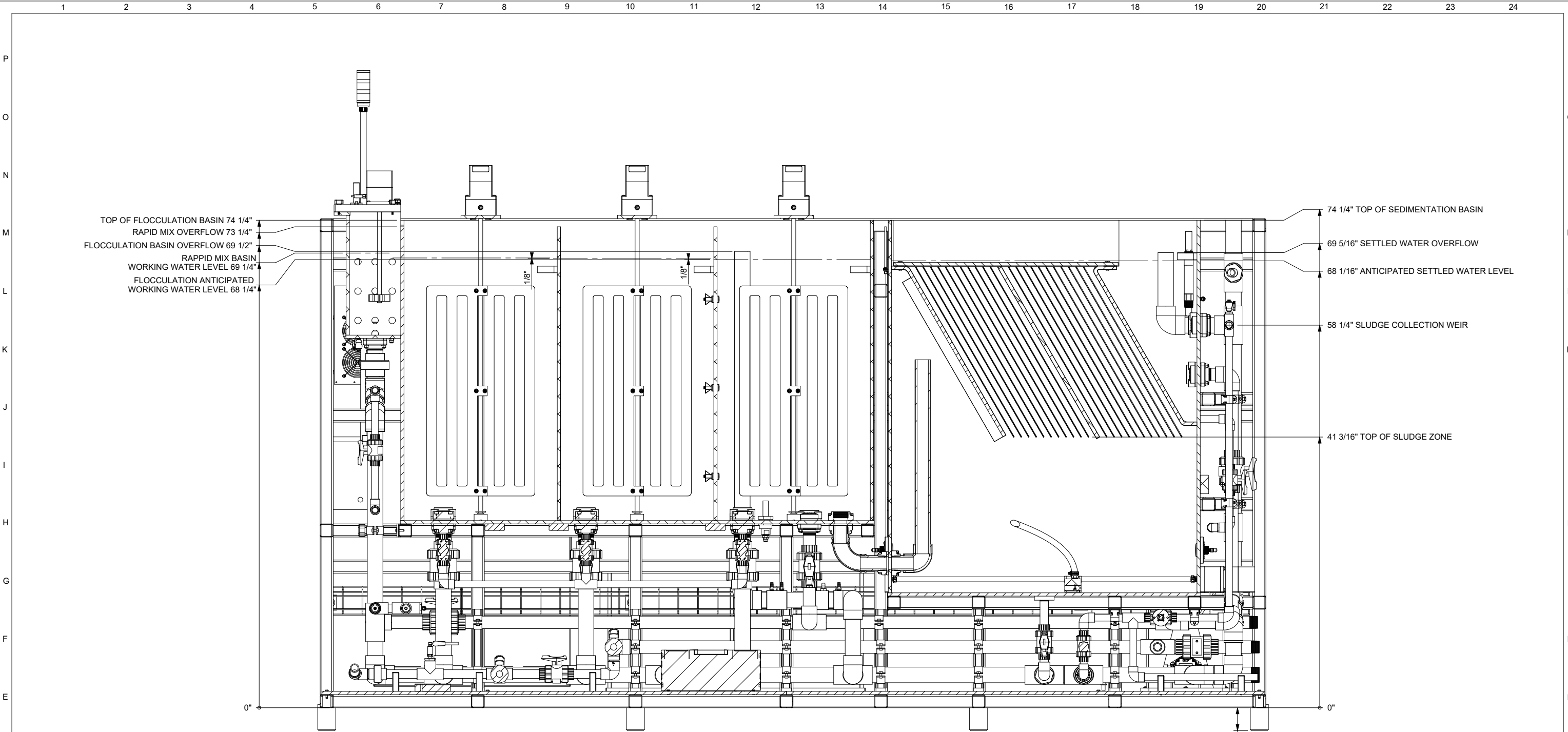


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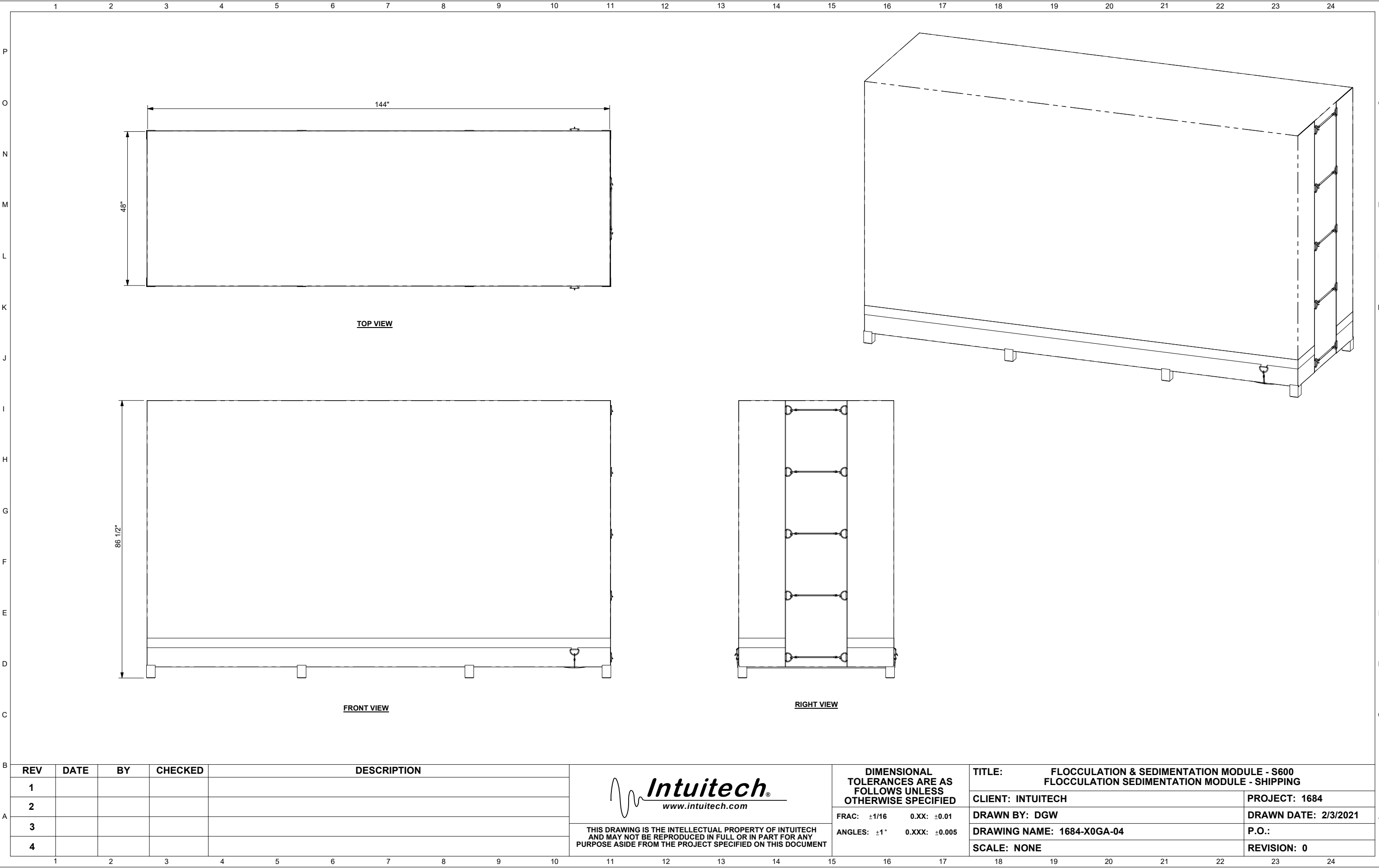
DIMENSIONAL TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED			
FRAC:	±1/16	0.XX:	±0.01
ANGLES:	±1°	0.XXX:	±0.005

TITLE: FLOCCULATION & SEDIMENTATION MODULE - S600 FLOCCULATION SEDIMENTATION MODULE - GENERAL ARRANGEMENT			
CLIENT: INTUITECH		PROJECT: 1684	
DRAWN BY: DGW		DRAWN DATE: 2/3/2021	
DRAWING NAME: 1684-X0GA-02		P.O.:	
SCALE: NONE		REVISION: 0	



ELEVATION SECTION VIEW

A	REV	DATE	BY	CHECKED	DESCRIPTION	 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 SPECIFIED ON THIS DOCUMENT	DIMENSIONAL TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		TITLE: FLOCCULATION & SEDIMENTATION MODULE - S600 FLOCCULATION SEDIMENTATION MODULE - ELEVATION															
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	2						FRAC: ±1/16 0.XX: ±0.01				DRAWN BY: DGW				DRAWN DATE: 2/3/2021									
	3						ANGLES: ±1° 0.XXX: ±0.005				DRAWING NAME: 1684-X0GA-03				P.O.:									
	4										SCALE: NONE				REVISION: 0									
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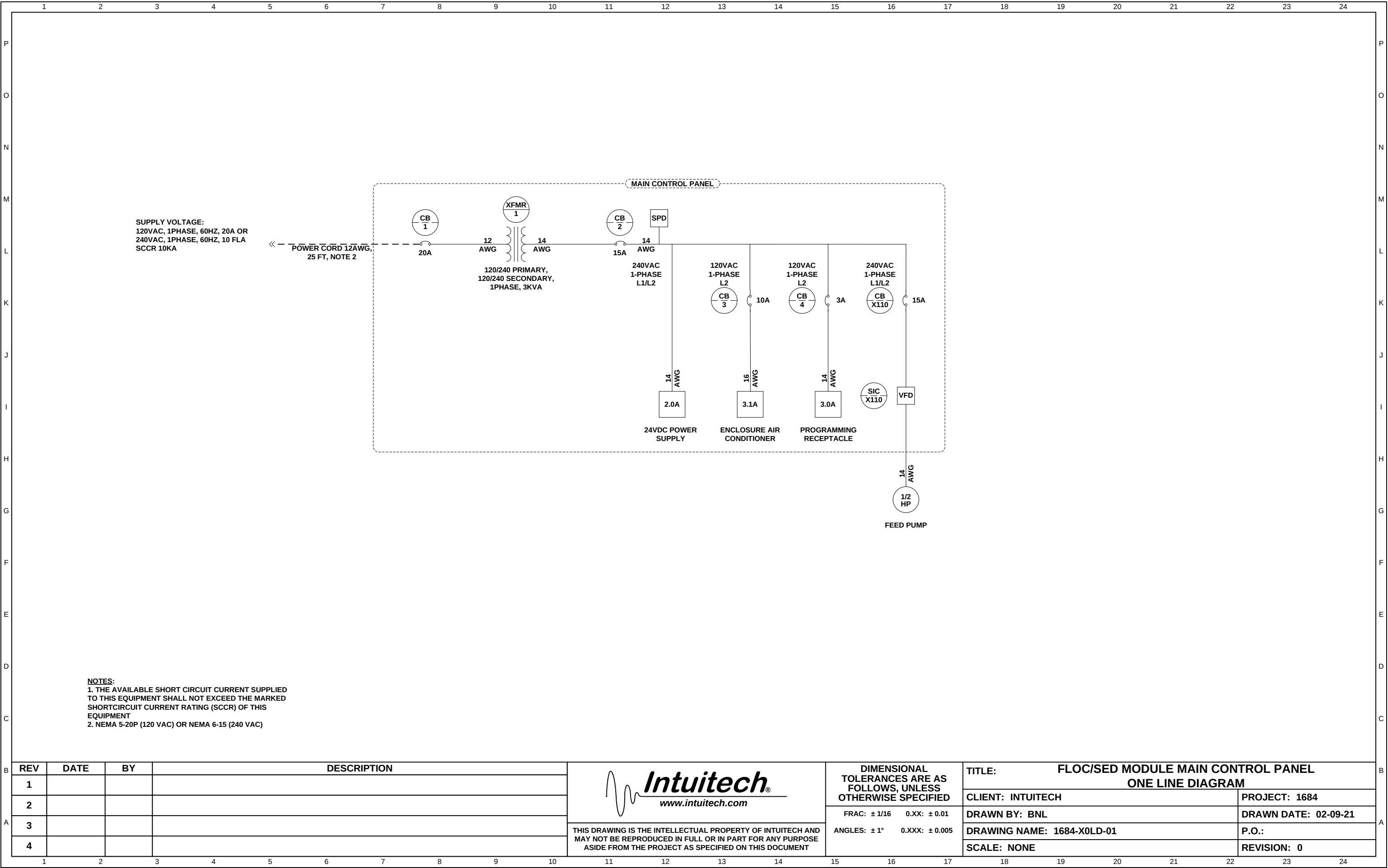
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DIMENSIONAL TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED			
FRAC:	±1/16	0.XX:	±0.01
ANGLES:	±1°	0.XXX:	±0.005

TITLE: FLOCCULATION & SEDIMENTATION MODULE - S600 FLOCCULATION SEDIMENTATION MODULE - SHIPPING			
CLIENT: INTUITECH		PROJECT: 1684	
DRAWN BY: DGW		DRAWN DATE: 2/3/2021	
DRAWING NAME: 1684-X0GA-04		P.O.:	
SCALE: NONE		REVISION: 0	



REV	DATE	BY	DESCRIPTION
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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: FLOC/SED MODULE MAIN CONTROL PANEL ONE LINE DIAGRAM	
CLIENT: INTUITECH	PROJECT: 1684
DRAWN BY: BNL	DRAWN DATE: 02-09-21
DRAWING NAME: 1684-X0LD-01	P.O.:
SCALE: NONE	REVISION: 0