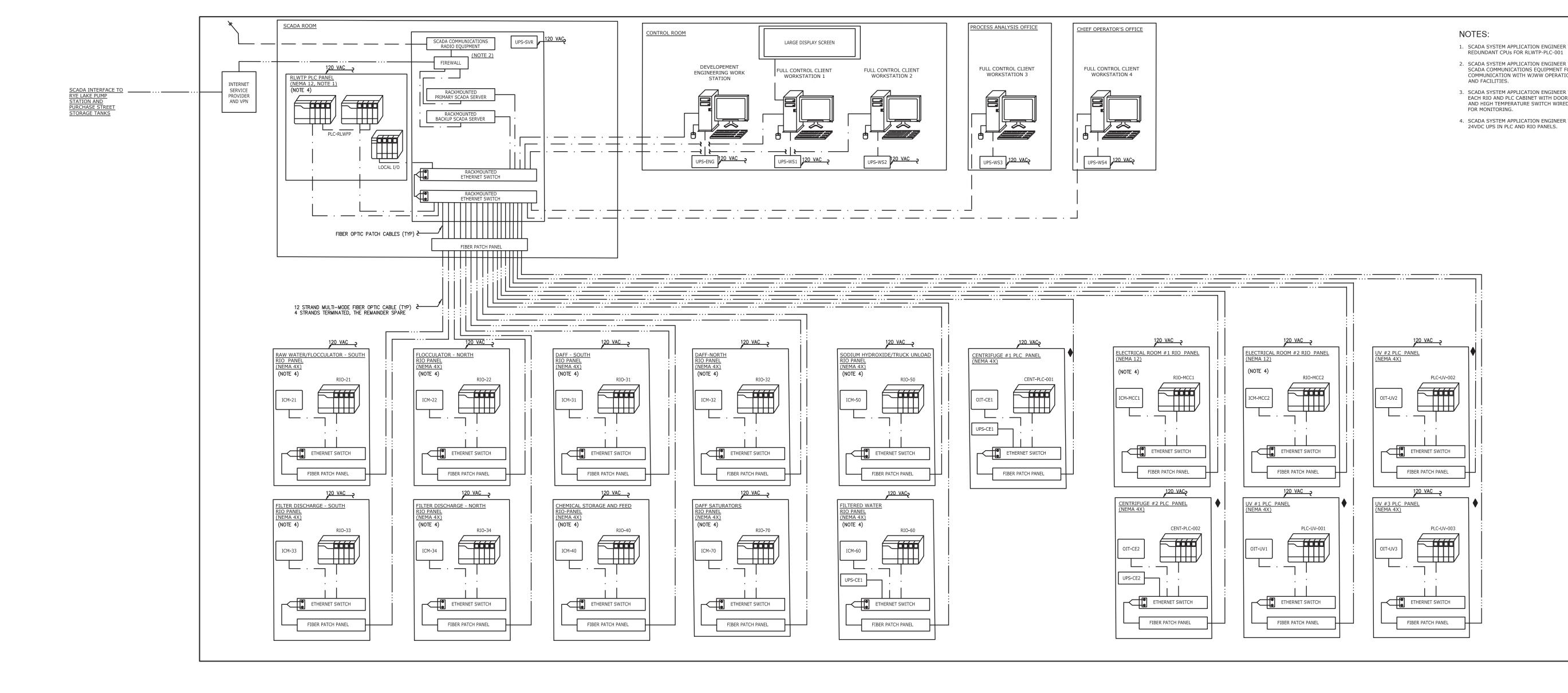
INSTRUMENT AND FUNCTION SYMBOLS	VALVE, GATE, AND ACTUATOR SYMBOLS	PUMP AND EQUIPMENT SYMBOLS	IDEN	TIFICATION LETTERS	S
SHARED DISPLAY/SHARED			FIRST LETTERS	SUCCEED	ING LETTERS
CONTROLCOMPUTER SYSTEMS AND SOFTWARELOCATION AND ACCESSIBILITYPRIMARY CHOICE OR BASICALTERNATE CHOICE OR SAFETY PROCESSCOMPUTER SYSTEMS AND SOFTWAREDISCRETE DISCRETE		CENTRIFUGAL WET PIT PUMP (OR DRY-PIT SUBMERSIBLE) BLOWER (CENTRIFUGAL) GEAR PUMP OR BLOWER (POSITIVE DISPLACEMENT	Т)	READOUT/ PASSIVE FUNCTIONOUTPUT FUNCTIOALARMALARM	/ ACTIVE FUNCTION ON MODIFIER
- LOCATED IN FIELD - NOT PANEL, CABINET, OR CONSOLE MOUNTED - VISIBLE AT FIELD LOCATION - NORMALLY OPERATOR ACCESSIBLE SYSTEM ABCD 12345 ABCD 12345 ABCD 12345 ABCD 12345	→COI→ BALL VALVE → <td>CHOPPER PUMP PISTON PUMP DIAPHRAGM PUMP</td> <td>B BURNER, COMBUSTION C CONDUCTIVITY D DENSITY (MASS) OR DIFFERENCE,</td> <td>USER'S CHOICE USER'S CONTRO</td> <td></td>	CHOPPER PUMP PISTON PUMP DIAPHRAGM PUMP	B BURNER, COMBUSTION C CONDUCTIVITY D DENSITY (MASS) OR DIFFERENCE,	USER'S CHOICE USER'S CONTRO	
- LOCATED IN OR ON FRONT OF CENTRAL OR MAIN PANEL OR CONSOLE - VISIBLE ON FRONT OF PANEL OR ON VIDEO DISPLAY - NORMALLY OPERATOR ACCESSIBLE AT PANEL FRONT OR CONSOLE	- SWING CHECK VALVE - CHECK VALVE - CHECK VALVE - SWING CHECK VALVE - CHECK V		SPECIFIC DIFFERENTIAL GRAVITY GRAVITY E VOLTAGE (EMF) F FLOW, FLOW RATE RATIO	SENSOR, PRIMARY ELEMENT	
- LOCATED IN REAR OF CENTRAL OR MAIN PANEL - LOCATED IN CABINET BEHIND PANEL - NOT VISIBLE ON FRONT OF PANEL OR ON VIDEO DISPLAY - NOT NORMALLY OPERATOR ACCESSIBLE AT PANEL OR CONSOLE	- Color 3-WAY BALL VALVE - Color PRESSURE-REDUCING REGULATOR - Color DIAPHRAGM VALVE - Color BACKPRESSURE REGULATOR	ROTARY LOBE PUMP OR BLOWER (POSITIVE DISPLACEMENT) METERING PUMP COMPRESSOR	G USER'S CHOICE H HAND I CURRENT	GLASS, GAUGE, VIEWING DEVICE	HIGH
- LOCATED IN OR ON FRONT OF SECONDARY OR LOCAL PANEL OR CONSOLE - VISIBLE ON FRONT OF PANEL OR ON VIDEO DISPLAY - NORMALLY OPERATOR ACCESSIBLE AT PANEL FRONT OR CONSOLE	$ \begin{array}{c c} - & & & \\ \hline \\ + & & \\ \hline \\ + & \\ \hline \\ - & \\ - & \\ \end{array} \end{array} $ NEEDLE VALVE AIR RELEASE VALVE AIR RELEASE VALVE	PROGRESSIVE CAVITY PUMP	J POWER K TIME, SCHEDULE TIME RATE OF CHANGE L LEVEL M MOISTURE OR MOMENTARY	SCAN CONTROL LIGHT	_ STATION LOW MIDDLE,
- LOCATED IN REAR OF SECONDARY OR LOCAL PANEL - LOCATED IN FIELD CABINET - NOT NORMALLY OPERATOR ACCESSIBLE AT PANEL OR CONSOLE ABCD 12345 ABCD 12345 ABCD 12345	SLUICE GATE M ROTARY MOTOR STOP/SLIDE GATE (E/H) ELECTROHYDRAULIC	VERTICAL PUMP INLINE GRINDER	M MOISTORE OR HUMIDITY MOMENTARY N TORQUE O USER'S CHOICE	USER'S CHOICE USER'S C ORIFICE, RESTRICTION	INTERMEDIATE
SUFFIX (X) TO DIFFERENTIATE BETWEEN INSTRUMENTS AND FUNCTIONS THAT WOULD OTHERWISE HAVE THE SAME IDENTIFICATION. SINGLE INSTRUMENT OR OTHER COMPONENT HAVING MULTIPLE FUNCTIONS OR SHARING A COMMON HOUSING	S SOLENOID ACTUATOR P PNEUMATIC ACTUATOR MANUAL ACTUATOR	CENTRIFUGAL PUMP SCREW CENTRIFUGAL MIXER PUMP	PPRESSUREQQUANTITYINTEGRATE, TOTALIZERRADIATIONINTEGRATE, TOTALIZE	POINT (TEST CONNECTION) INTEGRATE, TOTALIZE RECORD	RUN
(ZZZ) DESIGNATIONS OF CONTROL FUNCTIONS (ZZZ) ASSOCIATED WITH INSTRUMENT OR OTHER COMPONENTS. AHC - AUTO/HOLD/CLOSE OC - OPEN/CLOSE		ANEOUS SYMBOLS	S SPEED, FREQUENCY SAFETY T TEMPERATURE U MULTIVARIABLE V VIBRATION,	SWITCH TRANSMI MULTIFUNCTION MULTIFUI	NCTION
AM-AUTO/MANUALOSC-OPEN/STOP/CLOSEDCALC-CALCULATIONPOT-POTENTIOMETERDEV-DEVIATIONRL-RAISE/LOWERMOA-MANUAL/OFF/AUTORS-RUN/STOPHOR-HAND/OFF/REMOTERSL-RAISE/STOP/LOWERLOS-LOCKOUT STOPSD-SHUTDOWNLR-LOCAL/REMOTESEL-SELECT	QUICK CONNECT PULSATION DAMPENER Image Image BLIND FLANGE EXPANSION TANK RUPTURE DI		W WEIGHT, FORCE	VALVE, D VALVE, D LOUVER WELL PROBE ACCESSORY DEVICES, UNCLASSIFIED	
LSR - LOCAL/STOP/REMOTE SP - SET POINT 00 - ON / OFF SR - START/RESET SS - STOP/START * ABCD INSTRUMENT WITH COMPUTING OR CONVERTING FUNCTION 12345 CONTROL SYSTEM COMPUTING FUNCTION	FLEXIBLE HOSE Image: Ref Hore Difference Image: Calibration Cylinder Image: An of the Difference	D DRAIN FILTER DUCTOR	YEVENT, STATE, PRESENCEY-AXISZPOSITION, DIMENSIONZ-AXIS, SAFET INSTRUMENTED SYSTEM		ACTUATOR, IFIED FINAL
12345 CONVERTING FUNCTION 12345	PRIMARY ELEME	ENT SYMBOLS		NE SYMBOLS AND LE	GEND
CONVERT Image: CONVERT E - VOLTAGE H - HYDRAULIC I - CURRENT O - ELECTROMAGNETIC, SONIC P - PNEUMATIC R - RESISTANCE (ELECT.) A - ANALOG D - DIGITAL B - BINARY P PROPORTIONAL A DIFFERENCE	MAGNETIC FLOW TURBINE OR METER PROPELLER FLOW METER FICV SONIC FLOW VENTURI FLOW METER METER	ROTAMETER WITH SUBMERSIBLE SUBMERSIBLE FLOAT LEVEL SENSOR	EL MAJOR PROC CHANNELS ICE SECONDARY	CESS PIPES OR	PROCESS/SIGNALS NOT CONNECTED (CROSSING)
− SUBTRACTOR R DERIVATIVE > HIGH SELECTING X MULTIPLYING ∑h AVERAGING IOW SELECTING ÷ DIVIDING I:I RATIO ✓ INTEGRAL	- AT - THERMAL MASS FLOW METER AVERAGING PITOT TUBE	ULTRASONIC LEVEL GUIDED WAVE SENSOR RADAR LEVEL SENSOR	AIR SUPPLY	_ SIGNAL/	
ROOT EXTRACTION PID # COMPLEX FUNCTION # = 1, 2, 3, etc. # = 1, 2, 3, etc. REFER TO NOTE ON SAME SHEET FOR BRIEF DESCRIPTION * ELECTRICAL CONTROL INTERLOCK	ABBREVIATIONS (ZZZ) (ZZZ) = ALK - ALKALINITY CI - CORROSION INHIBITOR CL - CHLORINE ANALYCIC F - FLUORINE	 GENERAL NOTES 1. SYMBOLS AND NOMENCLATURE ARE BASED ON ANSI/ISA-5.1-2009. 2. REFER TO LEGEND SHEETS OF OTHER DISCIPLINES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS. 	——————————————————————————————————————	C CABLE	ANALOG ELECTRICAL SIGNALS
 * ELECTRICAL CONTROL INTERLOCK * COMPLEX INTERLOCK * COMPLEX INTERLOCK * COMPLEX INTERLOCK * COMPLEX INTERLOCK * OR * O	ANALYSIS INSTRUMENT PH - HYDROGEN ION CONCENTRATION PO4 - PHOSPHATE SCD - STREAMING CURRENT DETECTOR TURB - TURBIDITY UV - ULTRAVIOLET	 REFER TO SPECIFICATIONS FOR ADDITIONAL DETAIL ON CONTROL SYSTEM FUNCTION REQUIREMENTS. DEVICES DENOTED WITH AN DIAMOND () ARE PROVIDED BY EQUIPMENT VENDOR O DISCIPLINES. REFER TO THE DRAWINGS AND SPECIFICATIONS OF OTHER DISCIPLINE ADDITIONAL DETAIL. 	REFER TO SYSTEM ARCHITE	ECTURE SHEETS FOR	ANALOG DIGITAL SIGNALS
WARNING IT IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	OIT - OPERATOR INTERFACE TERMINAL PLC - PROGRAMMABLE LOGIC CONTROLLER RIO - REMOTE INPUT/OUPUT SCADA - SUPERVISORY CONTROL AND DATA ACQUISITION UPS - UNINTERRUPTIBLE POWER SUPPLY	 POWER SUPPLIES FOR LOOPS OR SYSTEMS SHALL BE FURNISHED BY THE INSTRUMENT SUPPLIER TO MEET THE PARTICULAR CHARACTERISTICS (E.G., VOLTAGE AND CURREN REQUIREMENTS) OF COMPONENTS IN EACH LOOP OR SYSTEM. 	T VENDOR EQ	QUIPMENT / SIGNALS	
PROJECT ENGINEER: R. FROST		WESTCHESTER JOINT WATER WORKS			DATE: FEB 2025
DESIGNED BY: F.BEATY	CALLE OF NEW LOOP THE PERFORMANCE THE OF NEW LOOP THE OF NEW LOOP THE PERFORMANCE THE PERFORMA	MAMARONECK, NY			HAZEN NO.: 90388-000
DRAWN BY: F.BEATY BID SET			INSTRUMENTA		CONTRACT NO.: A1364-A DRAWING NUMBER:
REV ISSUED FOR DATE BY IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"	HAZEN AND SAWYER 498 SEVENTH AVENUE, 11th F NEW YORK, NEW YORK 10		GENERAL NOTES, SYMBC	LO ANU LEGENU	NUMBER: I-001

222 of 392



FIS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

WARNING

: FBEATY					PROJECT ENGINEER:	R. FROST	
PM BY:					DESIGNED BY:	F.BEATY	
1:38					DRAWN BY:	F.BEATY	BID S
2/3/2025					CHECKED BY:	G.MARKOU	
DATE: 2					IF THIS BAR DOES NOT	0 1/2" 1"	
⊢ ∎	REV	ISSUED FOR	DATE	BY	MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE		

) SET

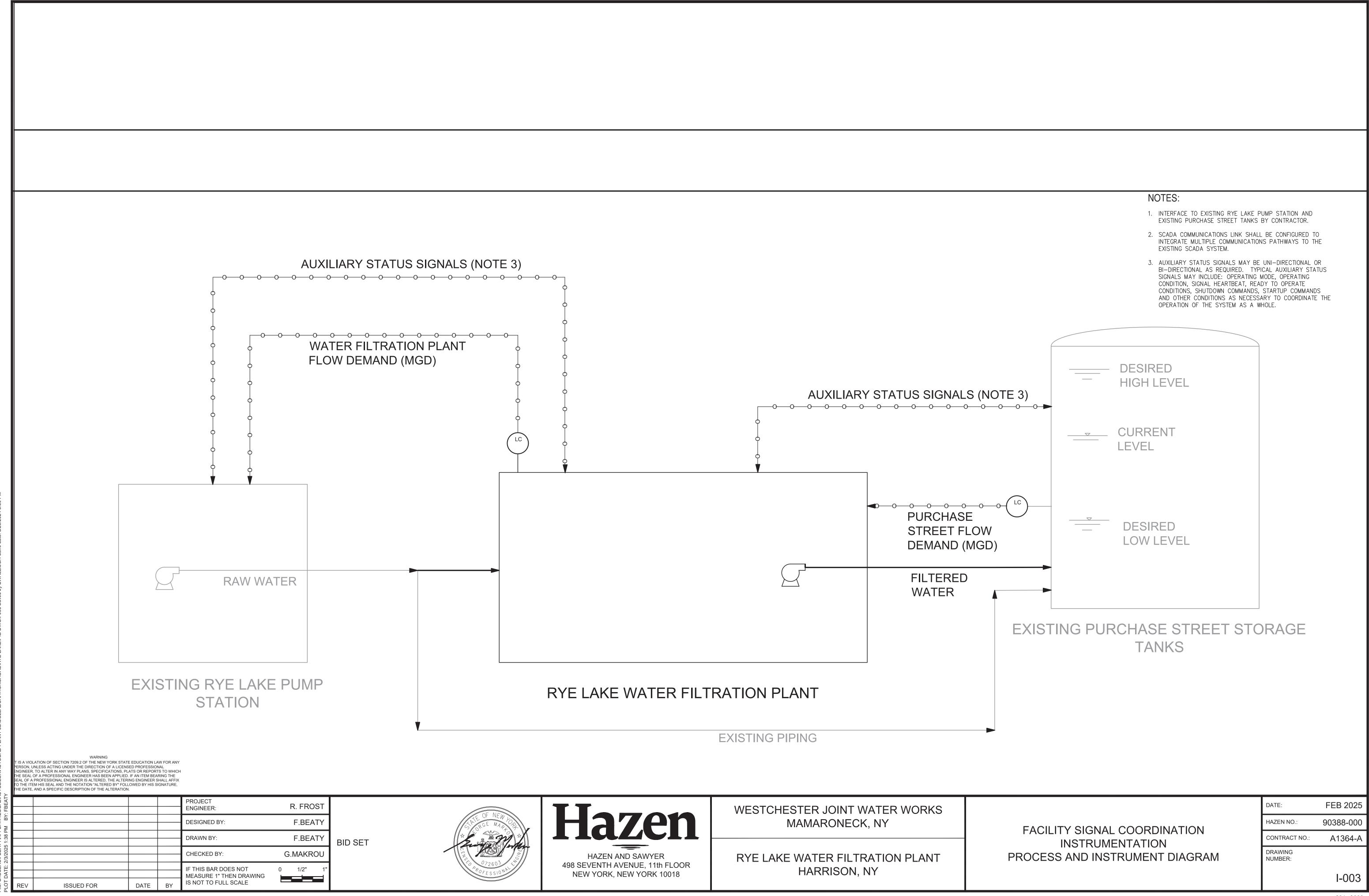


WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

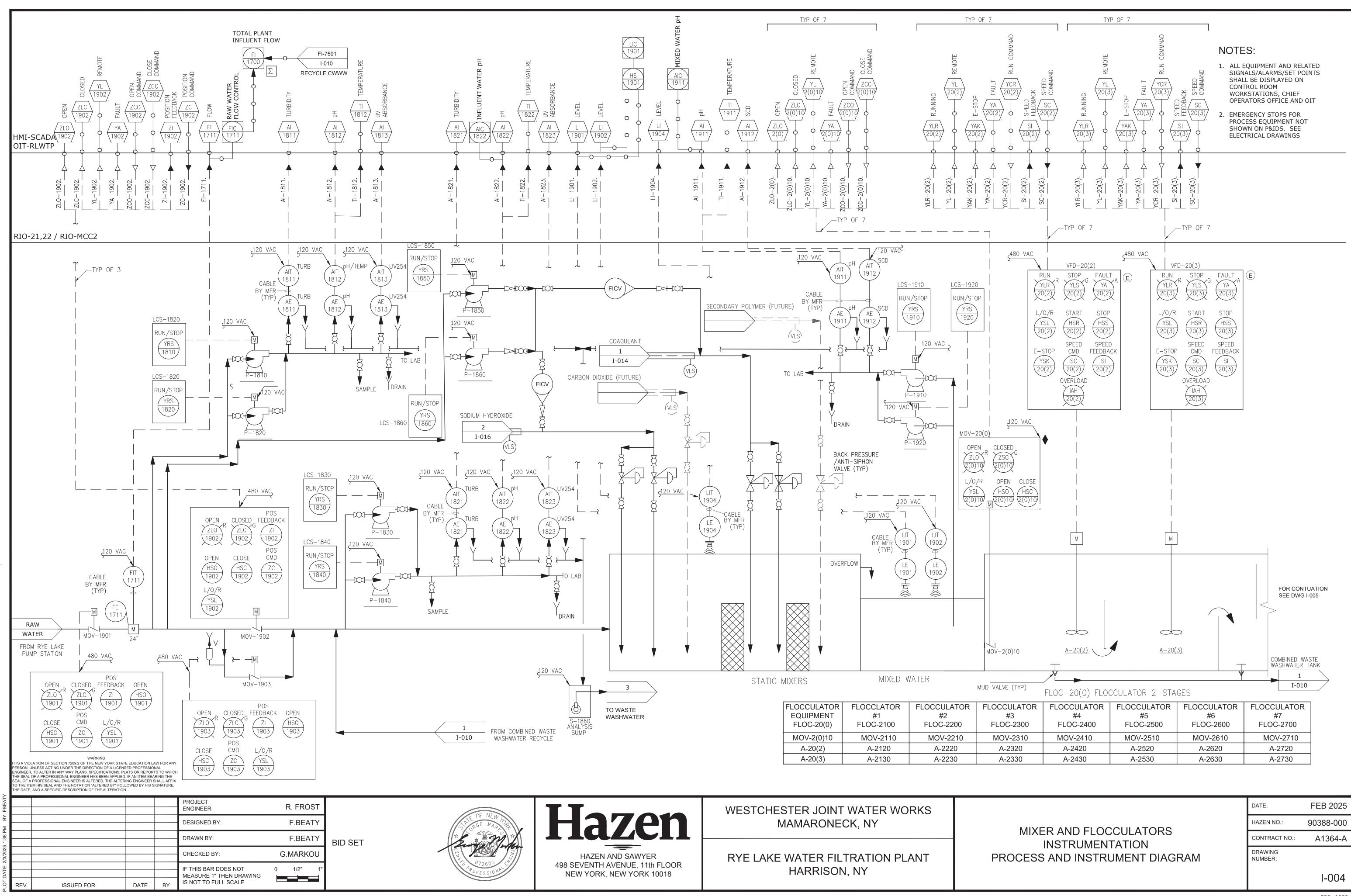
- 1. SCADA SYSTEM APPLICATION ENGINEER TO PROVIDE
- 2. SCADA SYSTEM APPLICATION ENGINEER TO PROVIDE SCADA COMMUNICATIONS EQUIPMENT FOR OFF-SITE COMMUNICATION WITH WJWW OPERATIONS PERSONNEL
- 3. SCADA SYSTEM APPLICATION ENGINEER TO PROVIDE EACH RIO AND PLC CABINET WITH DOOR OPEN SWITCH AND HIGH TEMPERATURE SWITCH WIRED TO SYSTEM I/O FOR MONITORING.
- 4. SCADA SYSTEM APPLICATION ENGINEER TO PROVIDE 24VDC UPS IN PLC AND RIO PANELS.

	DATE:	FEB 2025
	HAZEN NO.:	90388-000
	CONTRACT NO.:	A1364-A
INSTRUMENTATION CONTROL SYSTEM BLOCK DIAGRAM	DRAWING NUMBER:	
		I-002



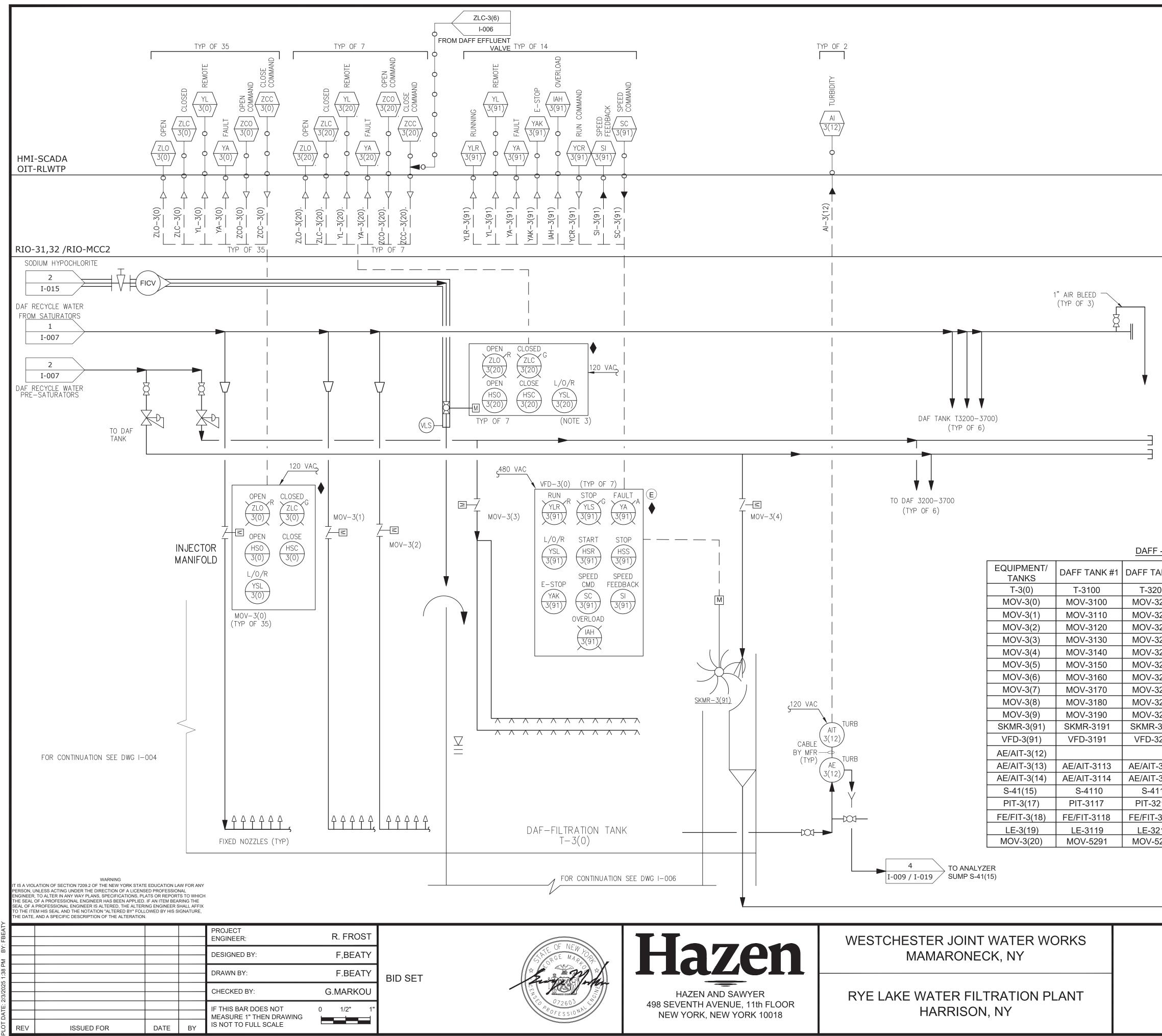
FACILITY SIGNAL COORDINATION	
INSTRUMENTATION	
PROCESS AND INSTRUMENT DIAGRAM	

DATE:	FEB 2025
HAZEN NO.:	90388-000
CONTRACT NO .:	A1364-A



WESTCHESTER JOINT WATER WORKS	
MAMARONECK, NY	

²²⁵ of 392



NOTES:

- 1. ALL EQUIPMENT AND RELATED SIGNALS/ALARMS/SET POINTS SHALL BE DISPLAYED ON CONTROL ROOM WORKSTATIONS, CHIEF OPERATORS OFFICE AND OIT
- 2. EMERGENCY STOPS FOR PROCESS EQUIPMENT NOT SHOWN ON P&IDS. SEE ELECTRICAL DRAWINGS
- 3. SODIUM HYPOCHRLORITE ADDITION VALVES (MOV-3(20)) SHOWN ON THIS SHEET FOR CONTEXT AND CLARIFY.

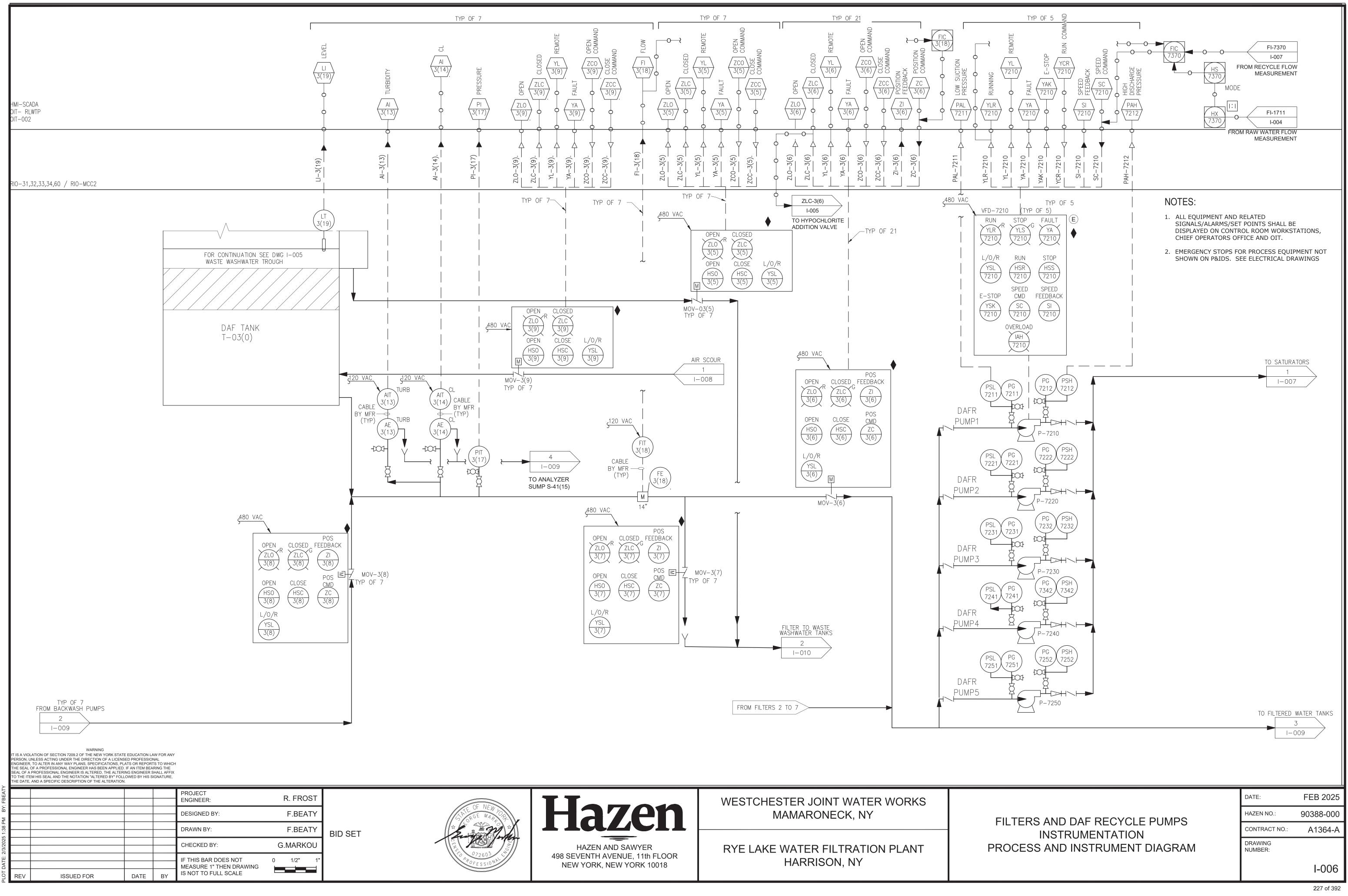
DAFF - EQUIPMENT SCHEDULE, SHEETS I-005, I-006, I-015

ANK #2	DAFF TANK #3	DAFF TANK #4	DAFF TANK #5	DAFF TANK #6	DAFF TANK #7
00	T-3300	T-3400	T-3500	T-3600	T-3700
3200	MOV-3300	MOV-3400	MOV-3500	MOV-3600	MOV-3700
3210	MOV-3310	MOV-3410	MOV-3510	MOV-3610	MOV-3710
3220	MOV-3320	MOV-3420	MOV-3520	MOV-3620	MOV-3720
3230	MOV-3330	MOV-3430	MOV-3530	MOV-3630	MOV-3730
3240	MOV-3340	MOV-3440	MOV-3540	MOV-3640	MOV-3740
3250	MOV-3350	MOV-3450	MOV-3550	MOV-3650	MOV-3750
3260	MOV-3360	MOV-3460	MOV-3560	MOV-3660	MOV-3760
3270	MOV-3370	MOV-3470	MOV-3570	MOV-3670	MOV-3770
3280	MOV-3380	MOV-3480	MOV-3580	MOV-3680	MOV-3780
3290	MOV-3390	MOV-3490	MOV-3590	MOV-3690	MOV-3790
3291	SKMR-3391	SKMR-3491	SKMR-3591	SKMR-3691	SKMR-3791
3291	VFD-3391	VFD-3491	VFD-3591	VFD-3691	VFD-3791
	AE/AIT-3312			AE/AIT-3612	
-3213	AE/AIT-3313	AE/AIT-3413	AE/AIT-3513	AE/AIT-3613	AE/AIT-3713
-3214	AE/AIT-3314	AE/AIT-3414	AE/AIT-3514	AE/AIT-3614	AE/AIT-3714
110	S-4110	S-4110	S-4120	S-4120	S-4120
217	PIT-3317	PIT-3417	PIT-3517	PIT-3617	PIT-3717
3218	FE/FIT-3318	FE/FIT-3418	FE/FIT-3518	FE/FIT-3618	FE/FIT-3718
219	LE-3319	LE-3419	LE-3519	LE-3619	LE-3719
5292	MOV-5293	MOV-5294	MOV-5295	MOV-5296	MOV-5297
-3218 219	FE/FIT-3318 LE-3319	FE/FIT-3418 LE-3419	FE/FIT-3518 LE-3519	FE/FIT-3618 LE-3619	FE/FIT-3718 LE-3719

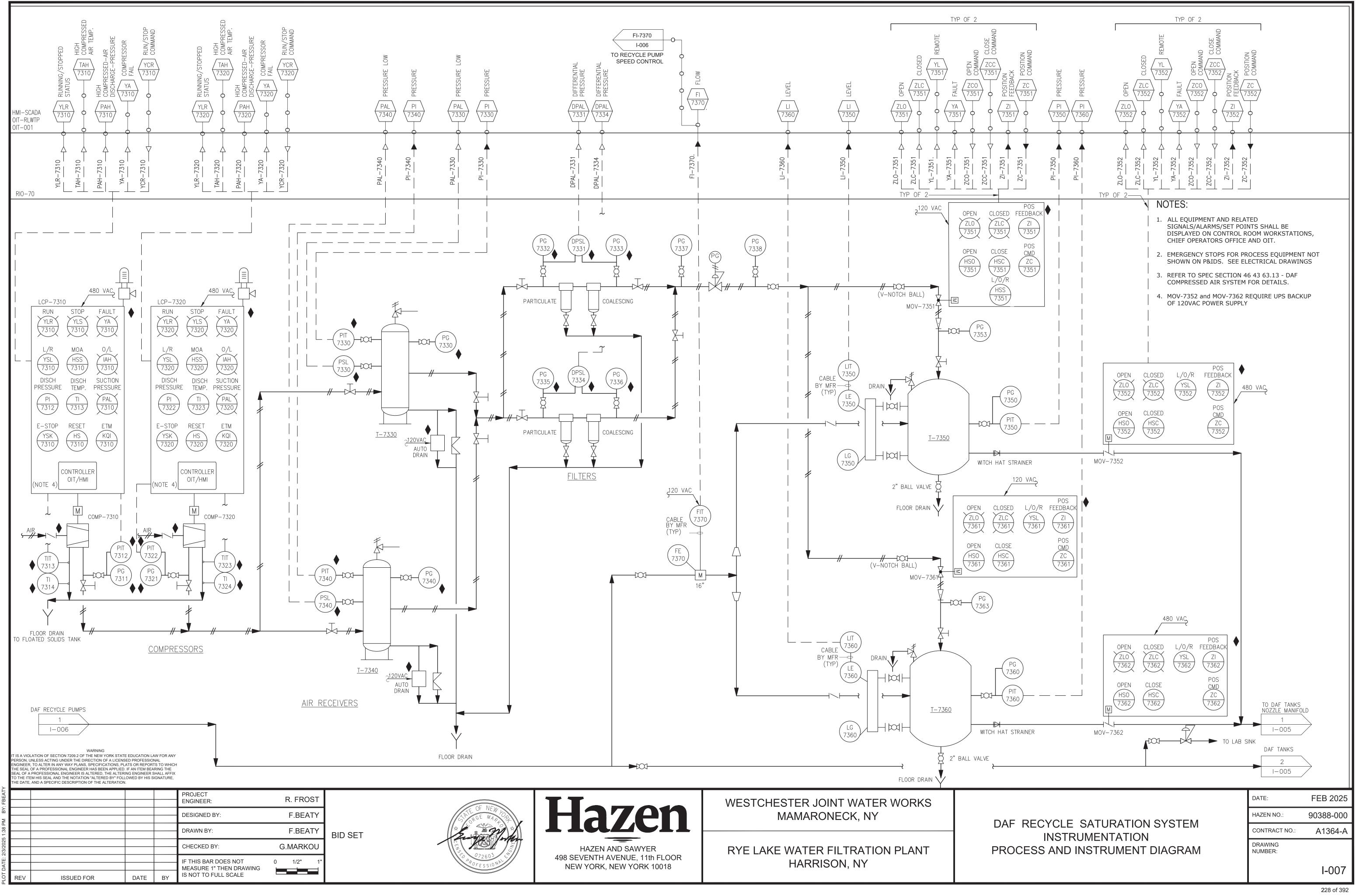
FLOATED SOLIDS BUFFER TANK

I-(011
DATE:	FEB 2025
HAZEN NO.:	90388-000
CONTRACT NO .:	A1364-A
DRAWING NUMBER:	
	I-005

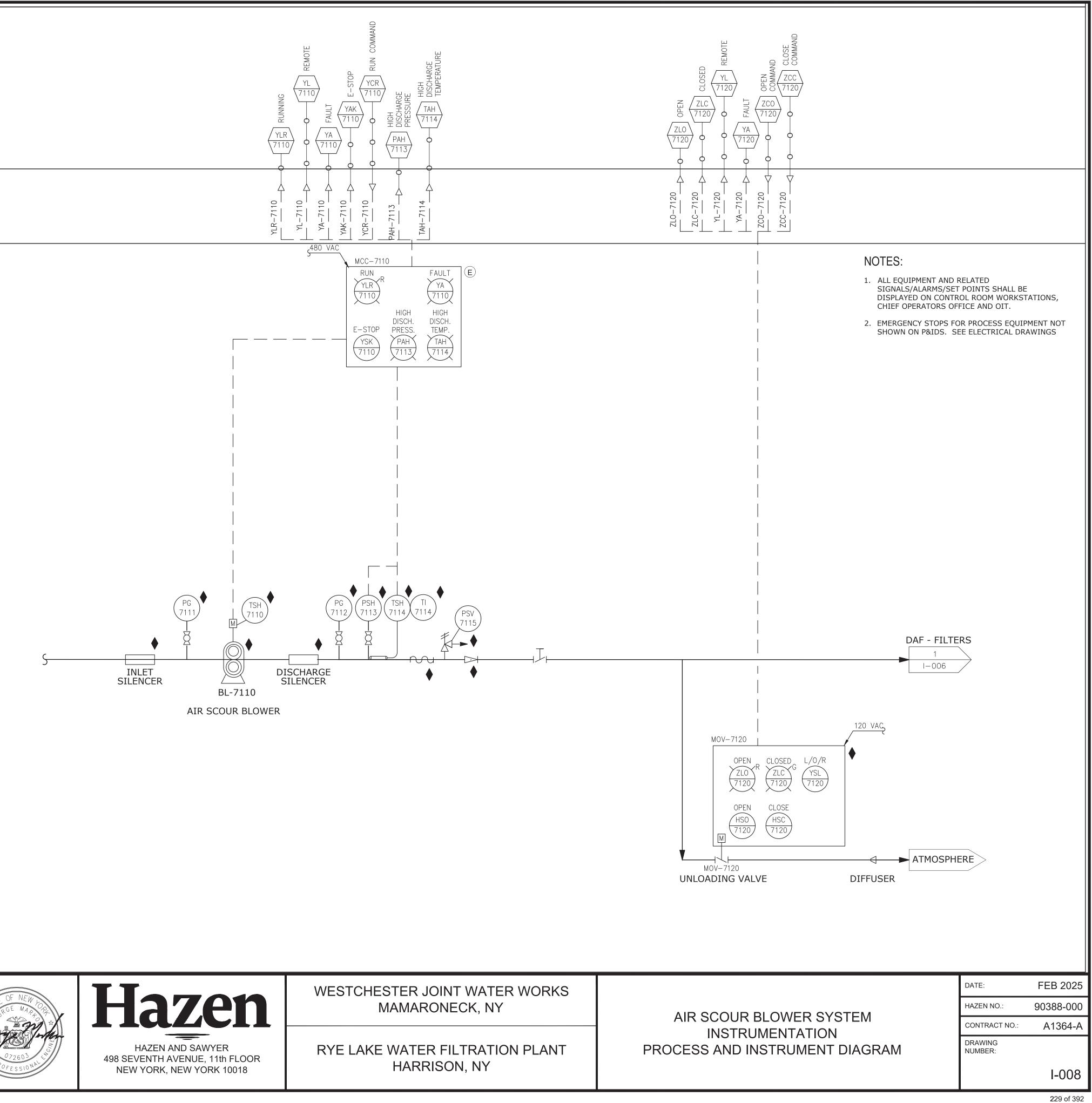
DISSOLVED AIR FLOTATION (DAF) INSTRUMENTATION PROCESS AND INSTRUMENT DIAGRAM



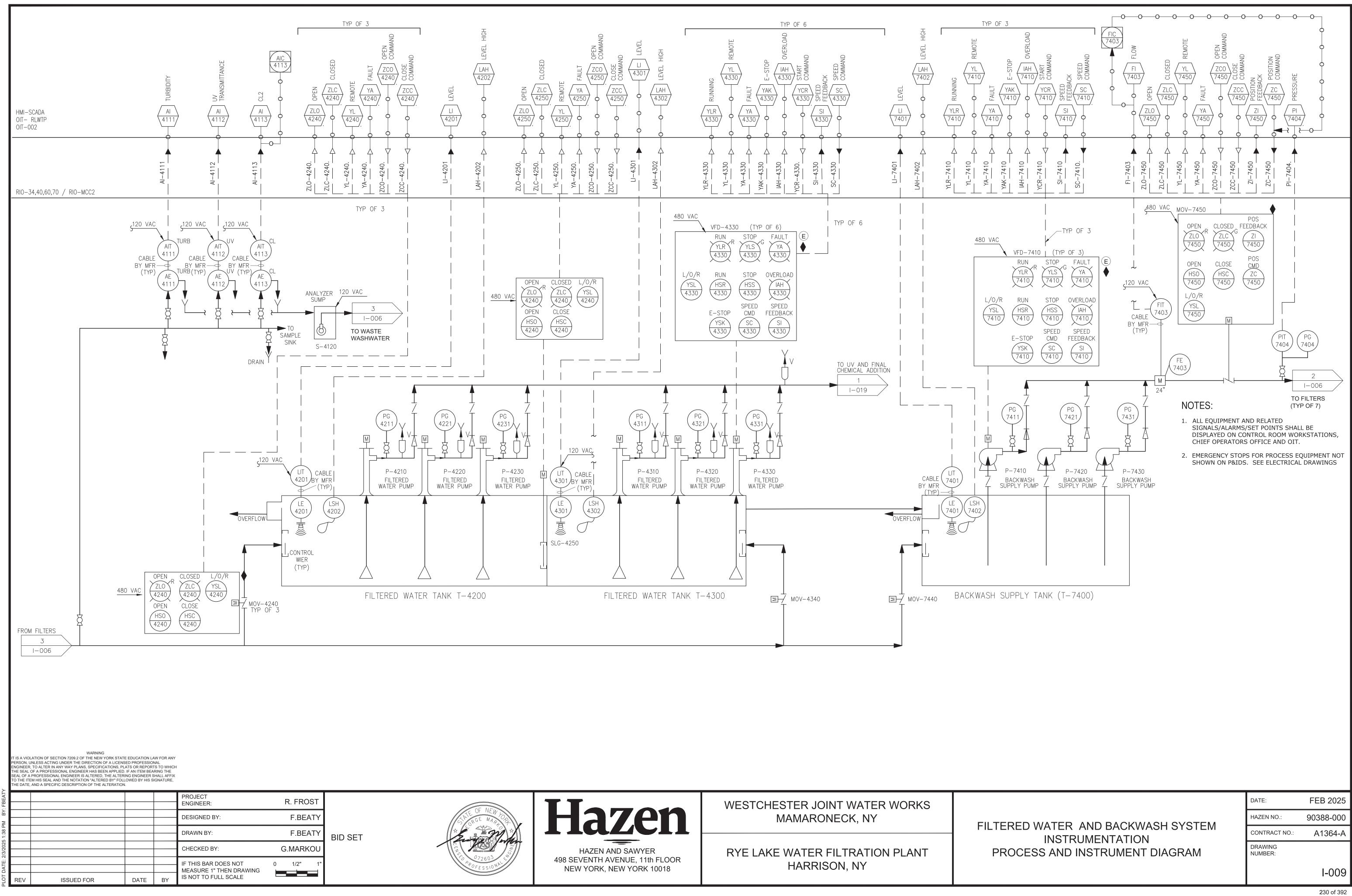
File: C:\USERS\FBEATY\APPDATA\LOCAL\AUTODESK\AUTOCAD PLANT 3D\COLLABORATIONCACHE\RYE LAKE\PID DWG\I-006 DAFF2 Saved by BWALLISCH Save date: 5/20/2024 3:29 P

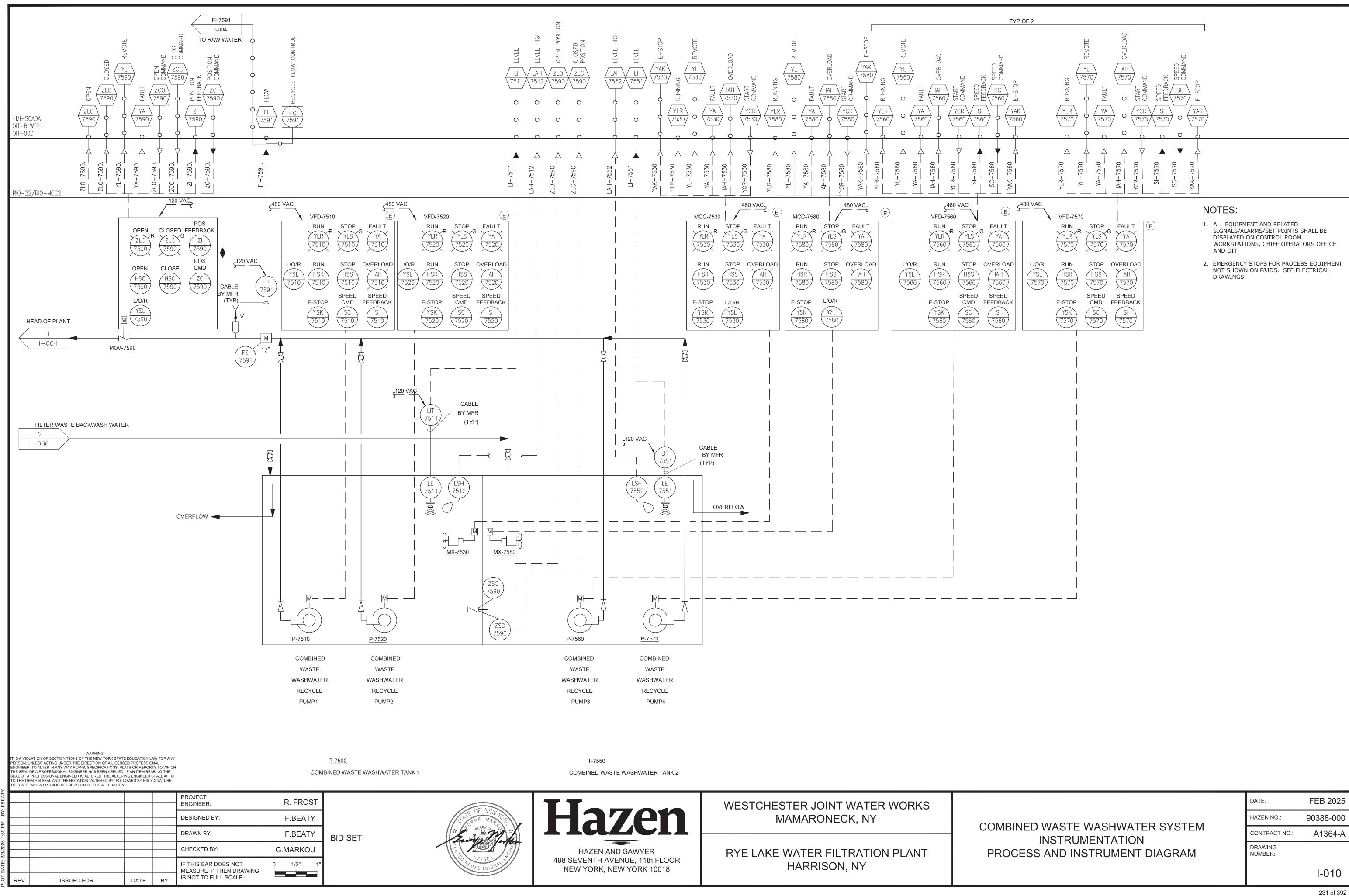


RIO-MCC2	
WARNING IT IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL	
ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	
ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. VIENA PROJECT VIENA PROJECT ENGINEER: R. FROST VIENA V	ID SET



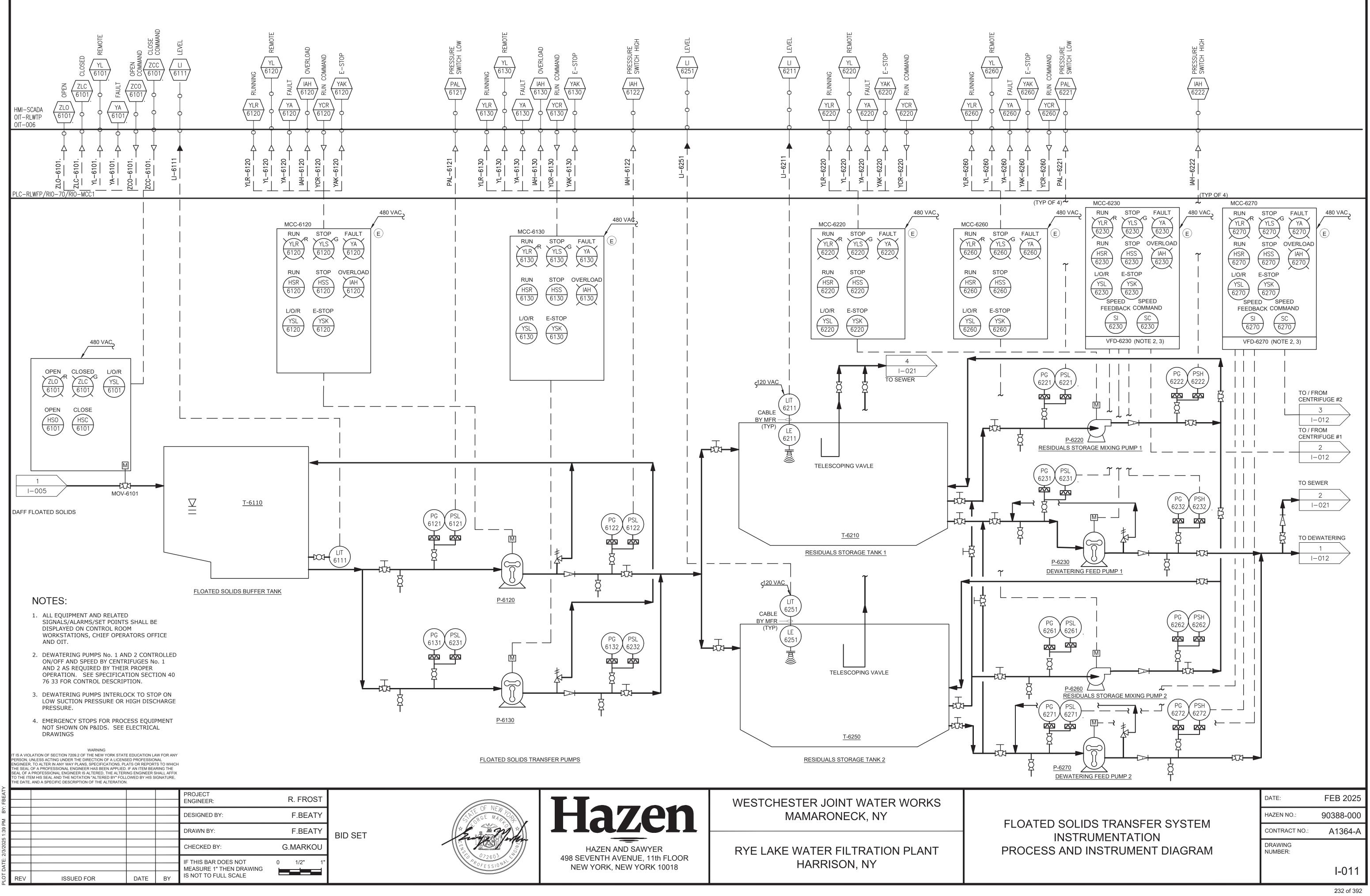


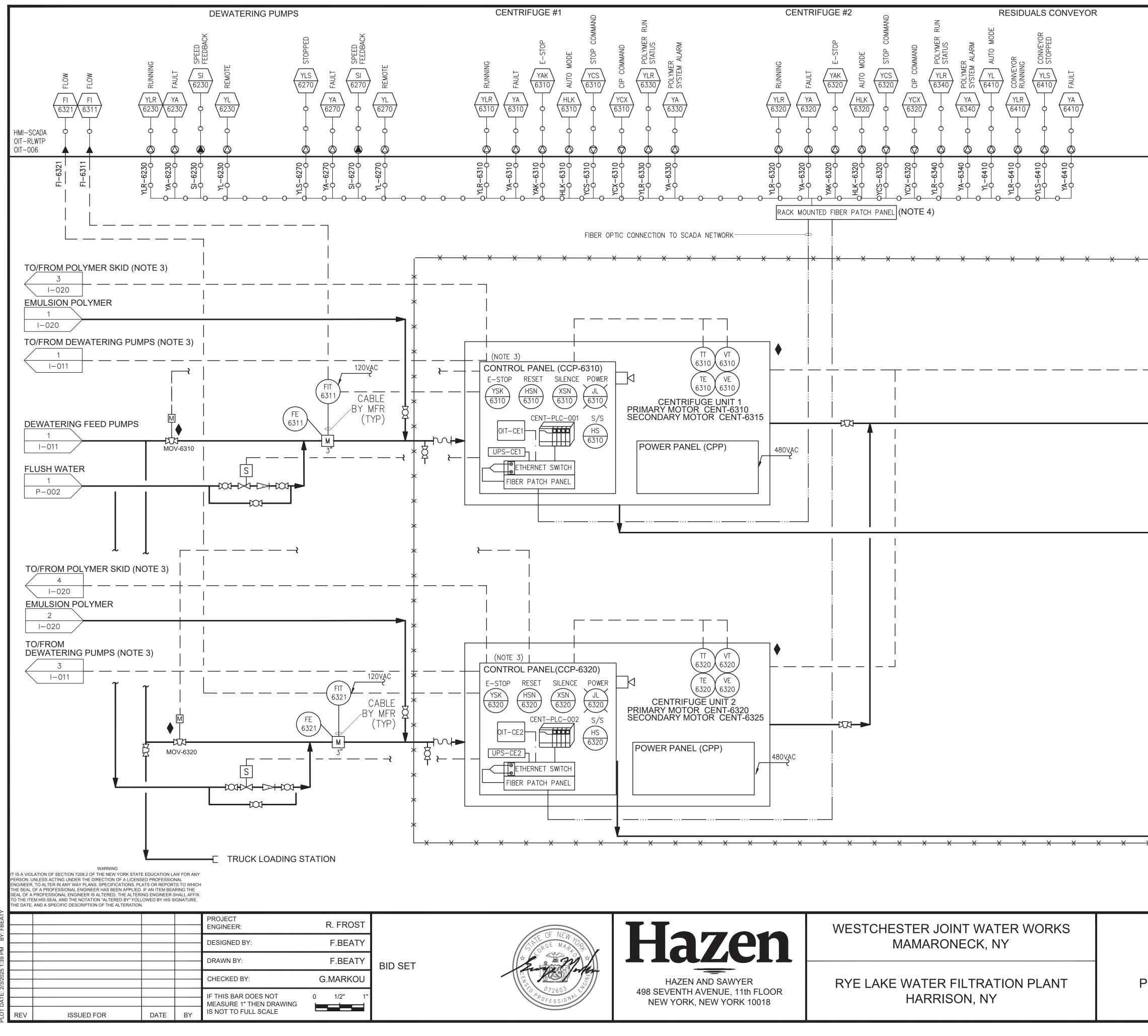




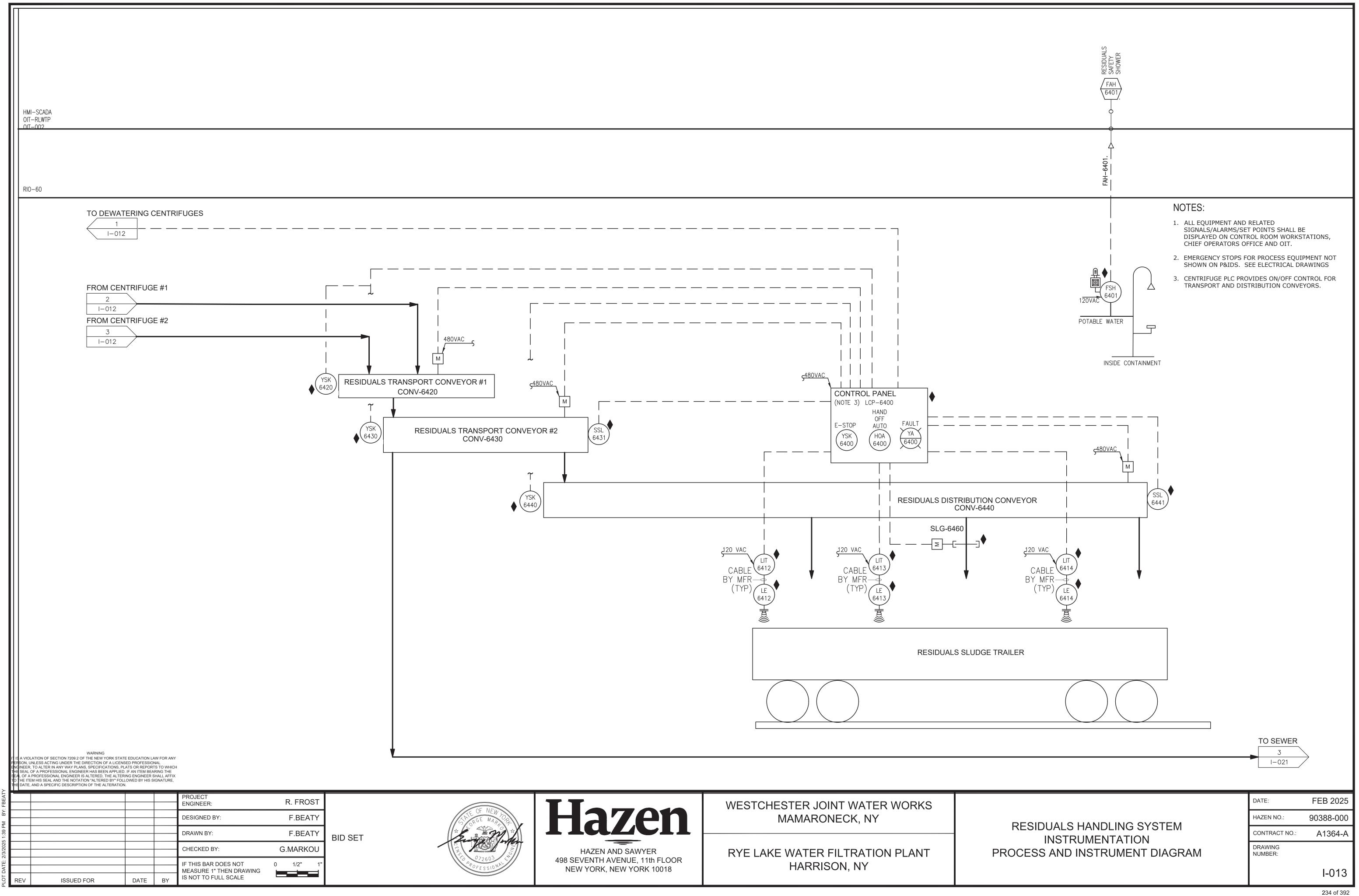
2.	EMERGENCY STOPS FOR	PROCESS EQUIPMENT
	NOT SHOWN ON P&IDS.	SEE ELECTRICAL
	DRAWINGS	

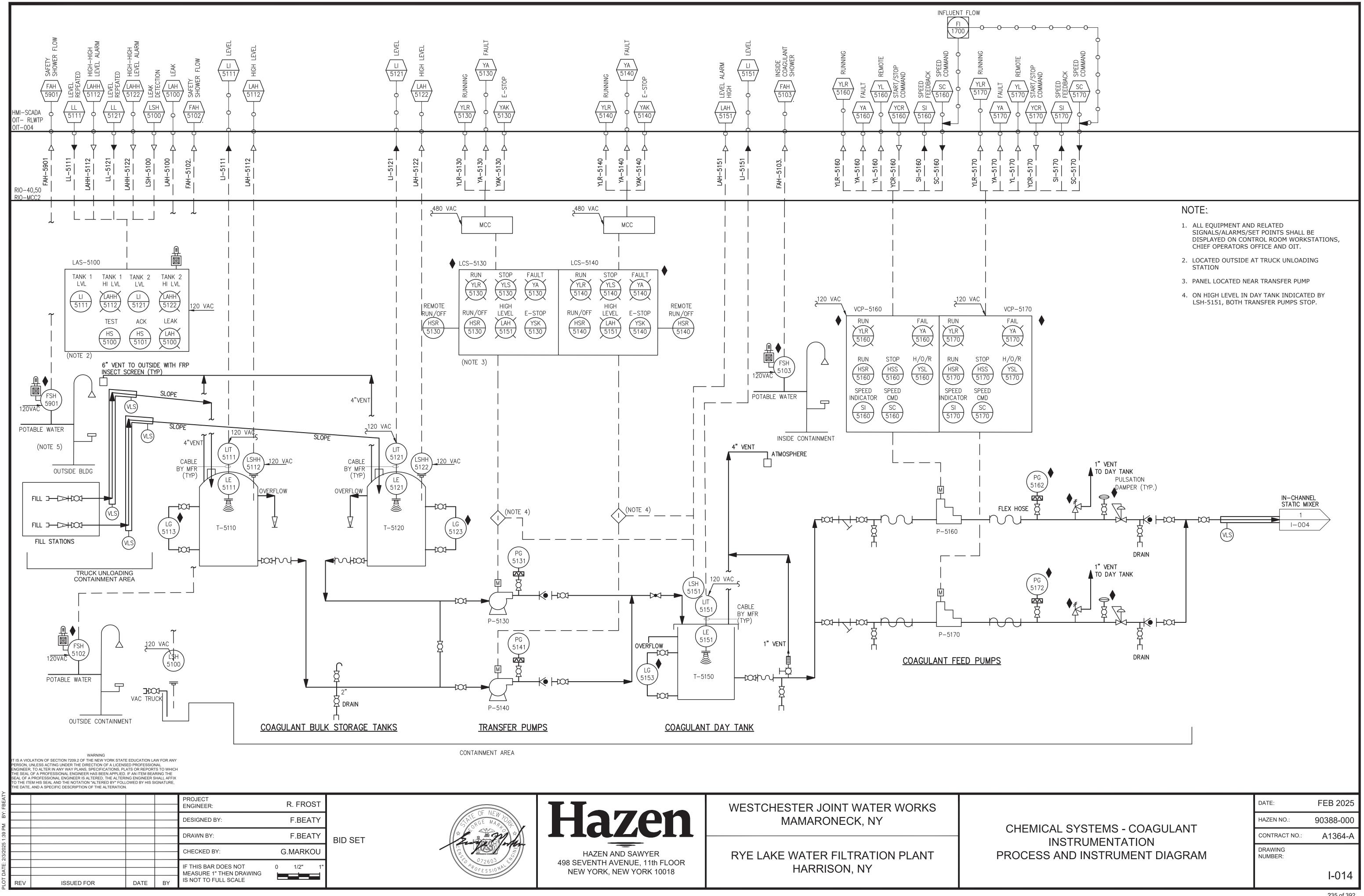
	DATE:	FEB 2025	
	HAZEN NO.:	90388-000	
OMBINED WASTE WASHWATER SYSTEM	CONTRACT NO.:	A1364-A	
	DRAWING NUMBER:		
		I-010	

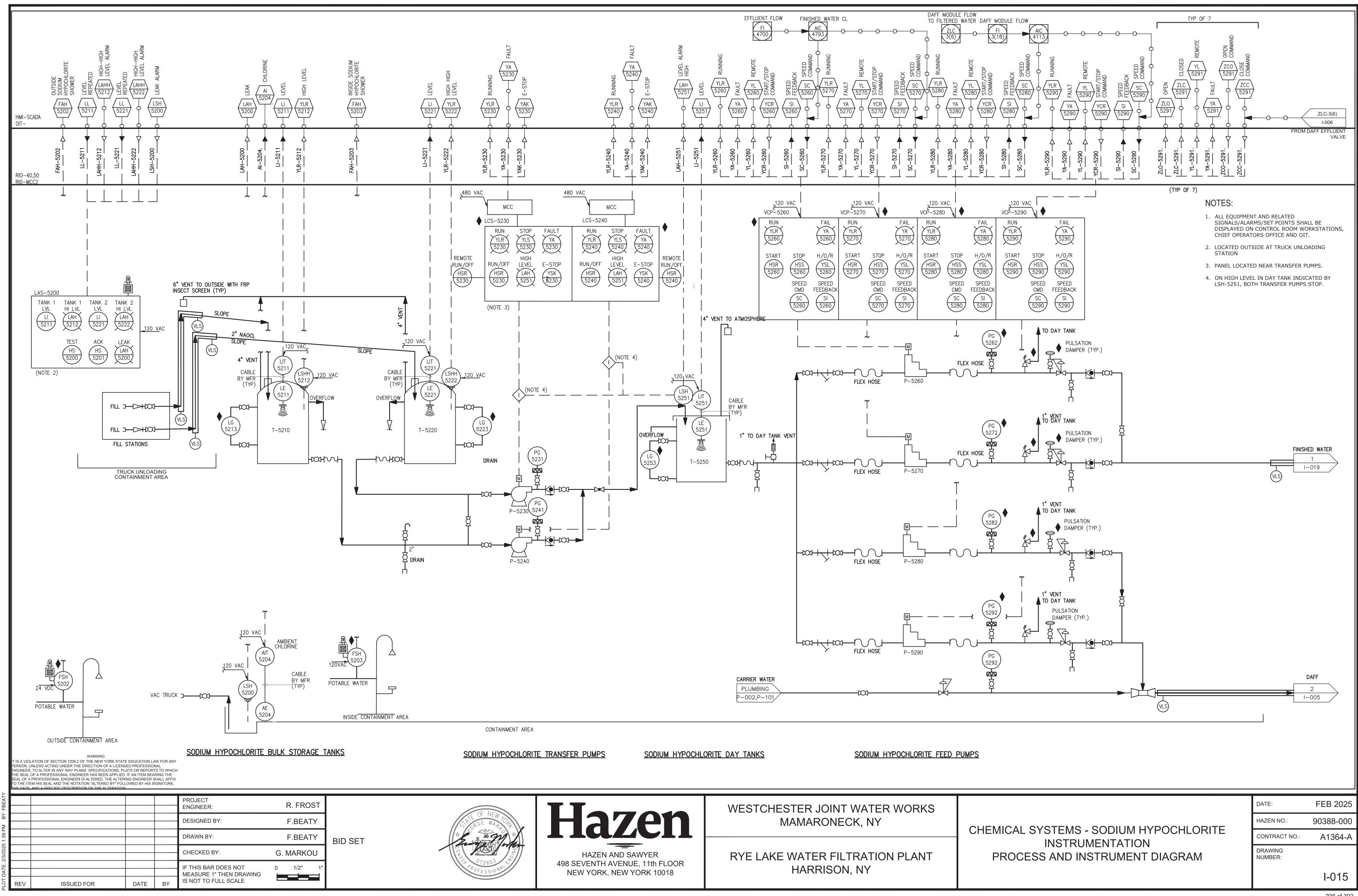




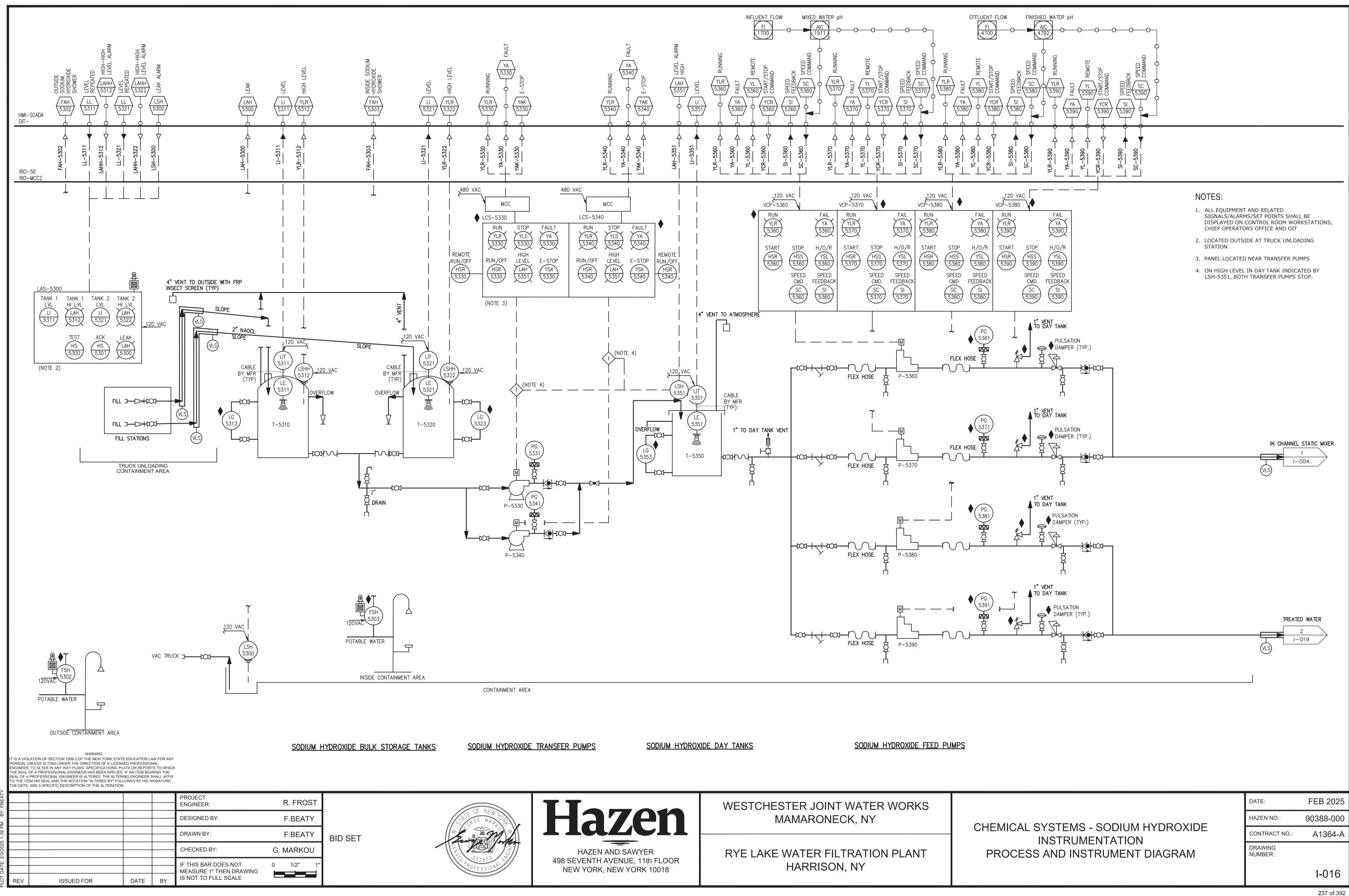
			POINTS SHALL BE L ROOM WORKSTA CE AND OIT. PROCESS EQUIPN ELECTRICAL DRA DES ON/OFF AND/ EWATERING FEED EYOR AS WELL AS OR POLYMER SKID. N 46 75 33 FOR CO 02 FOR RACK MOL D CONNECTIONS T ROL SIGNALS DM RESIDUAL (3)	IENT NOT WINGS OR PUMPS SEE DNTROL INTED TO SCADA
>	< <	TO RESIDUALS T	RANSPORT CO	NVEYOR #1
> > > > * *		TO RESIDUALS TR	RANSPORT CO	NVEYOR #1 3 1-013
	TERING CENTRIFUC	ЭΕ	DATE: HAZEN NO.:	FEB 2025 90388-000
IN	STRUMENTATION		CONTRACT NO.: DRAWING NUMBER:	A1364-A
				233 of 392

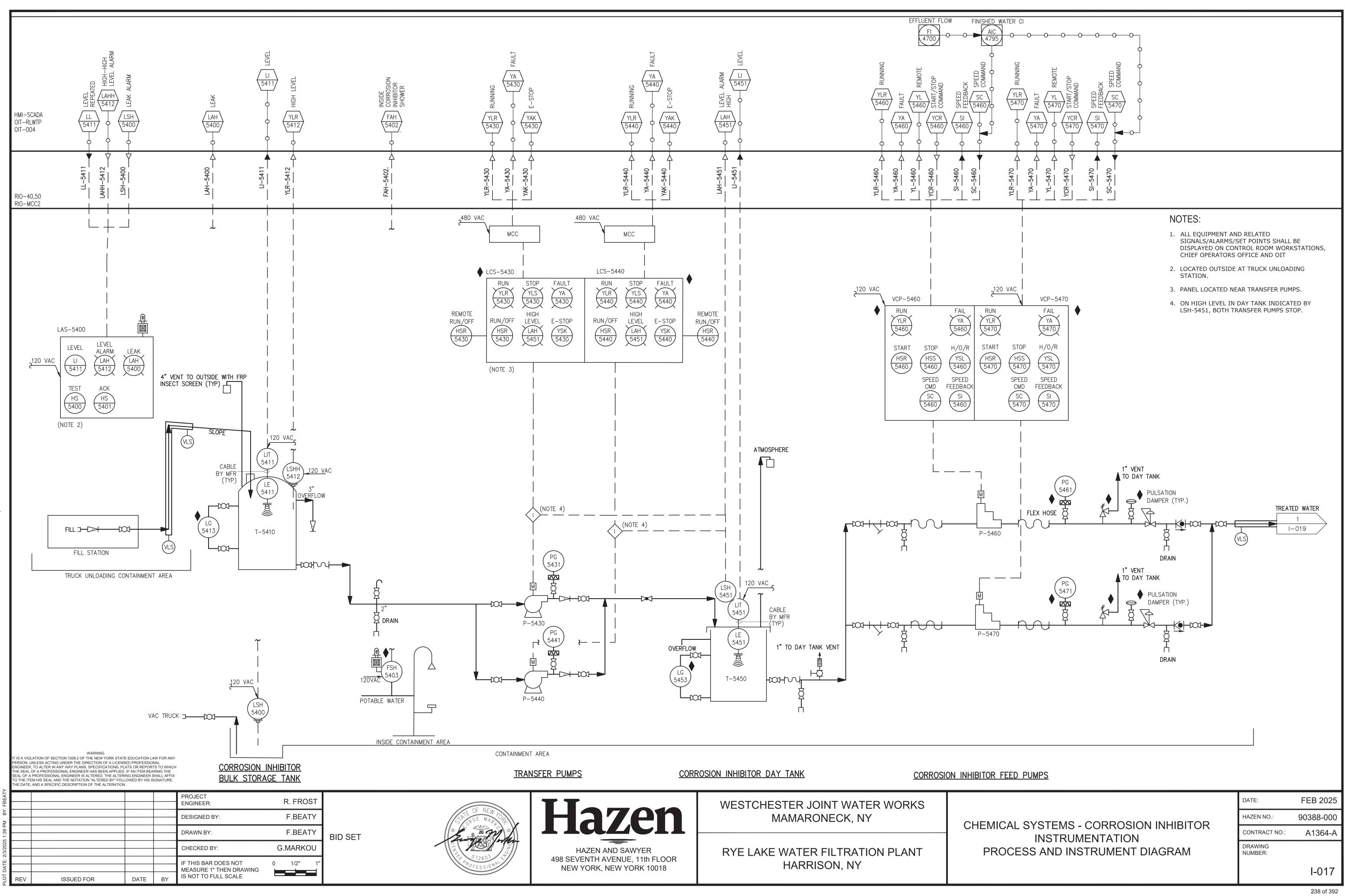


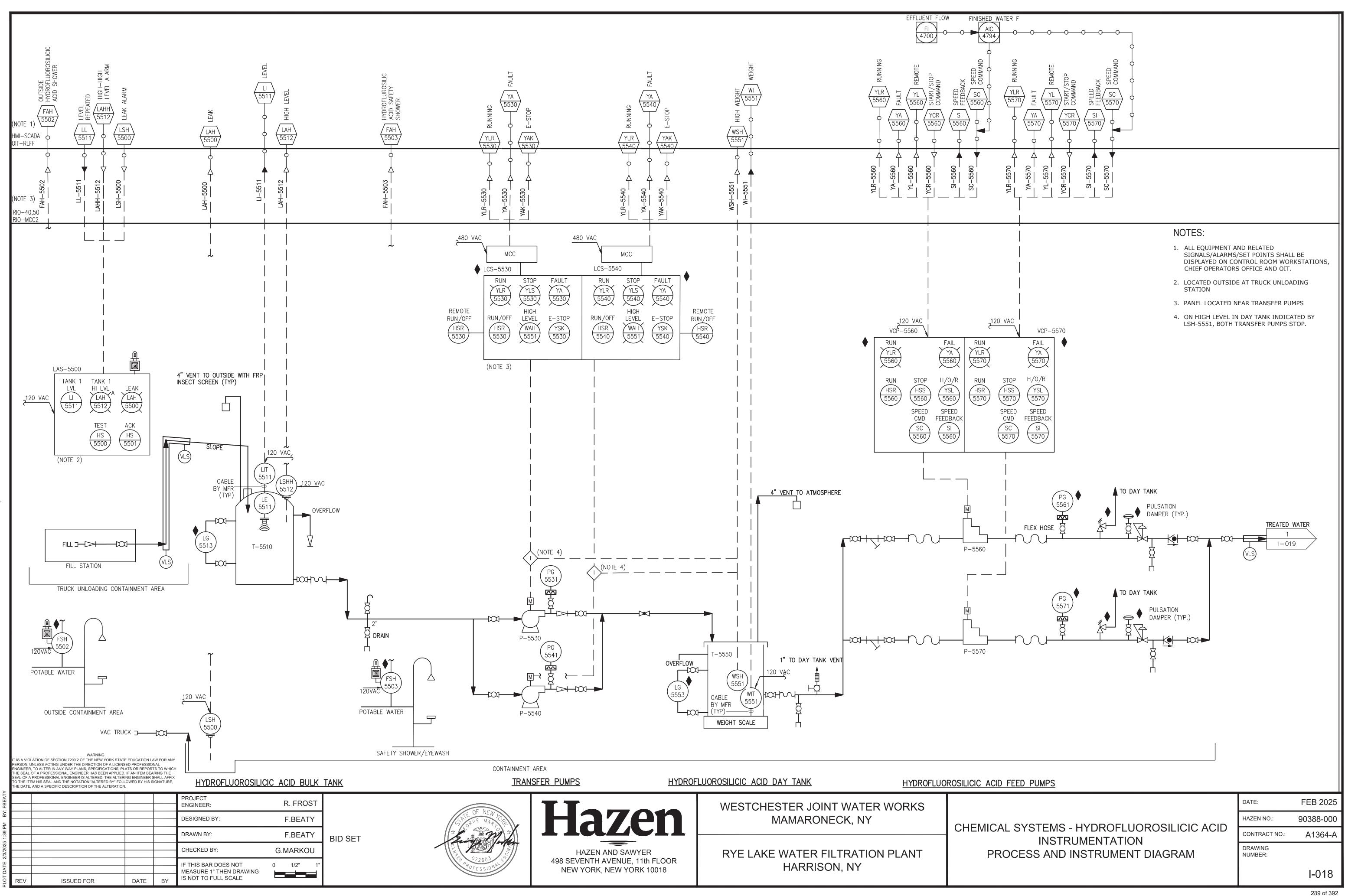


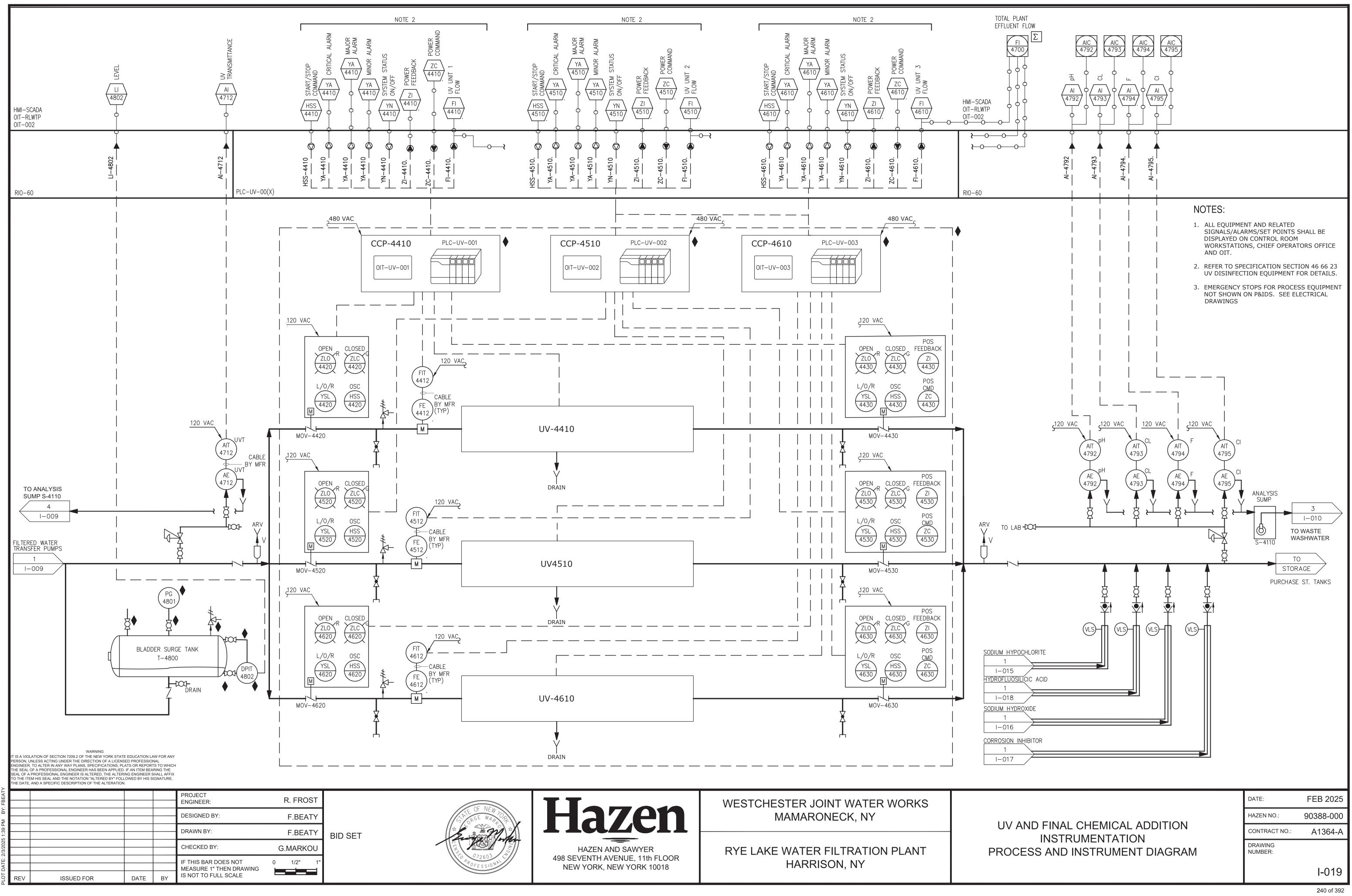


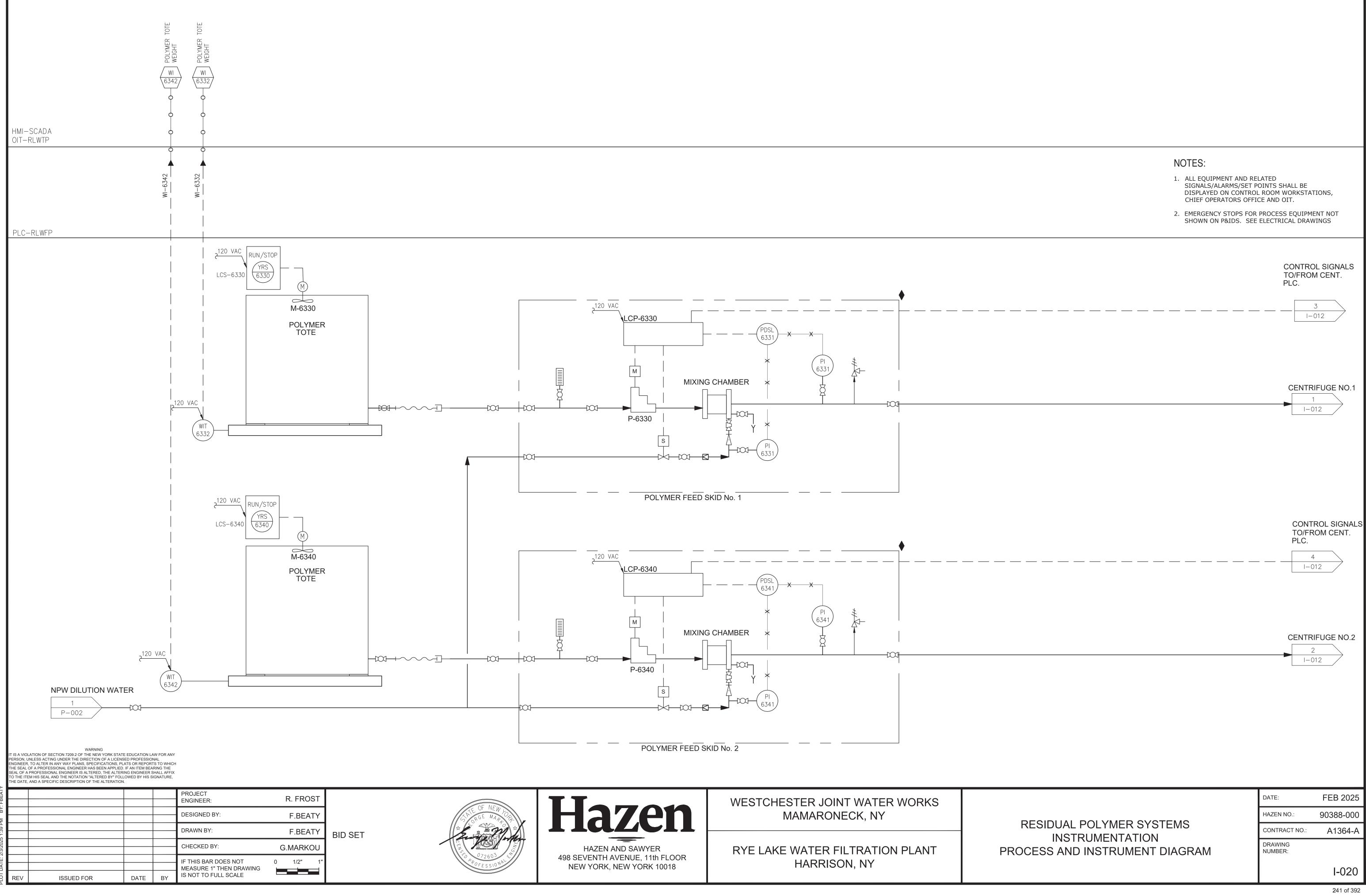


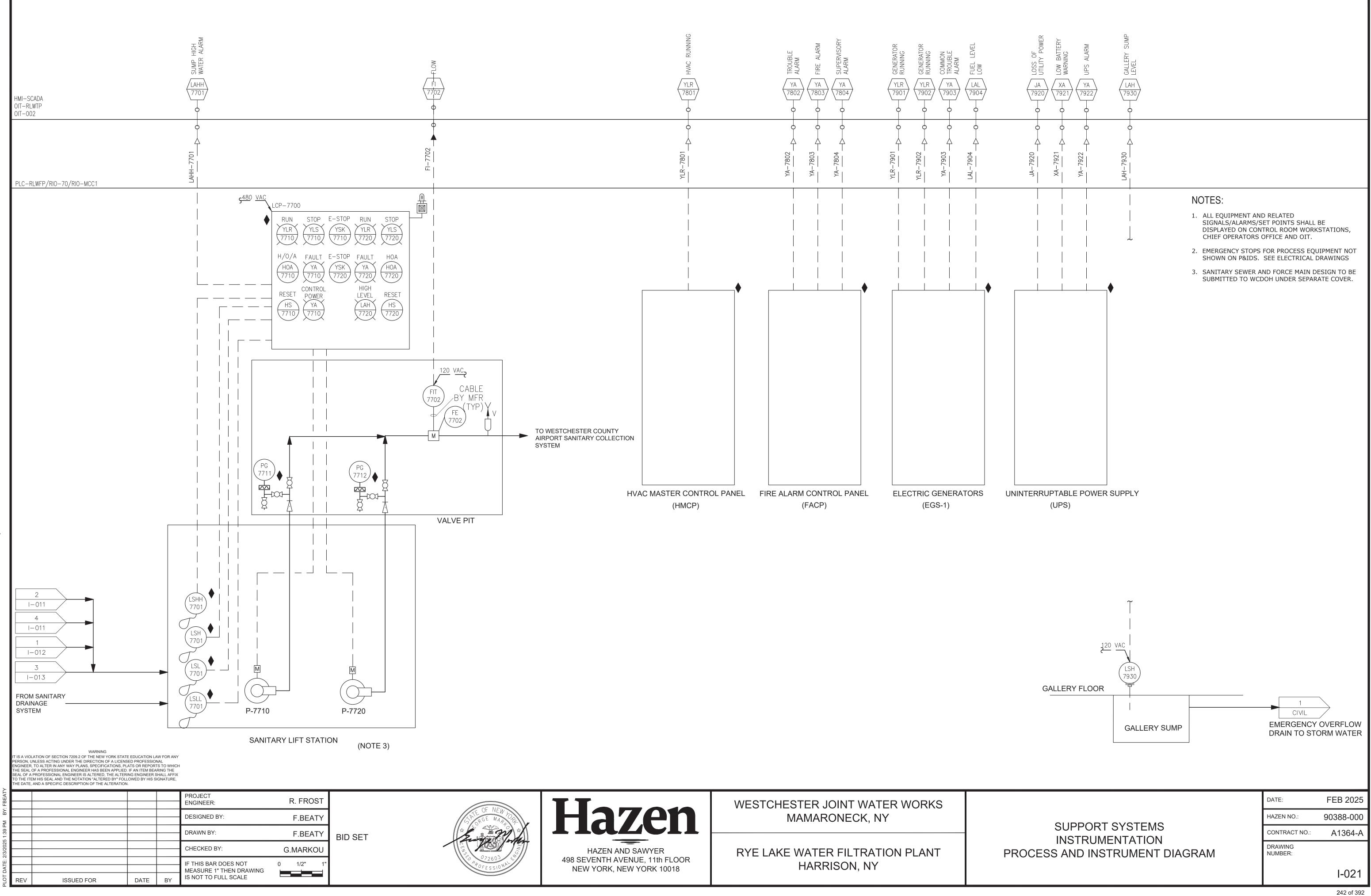


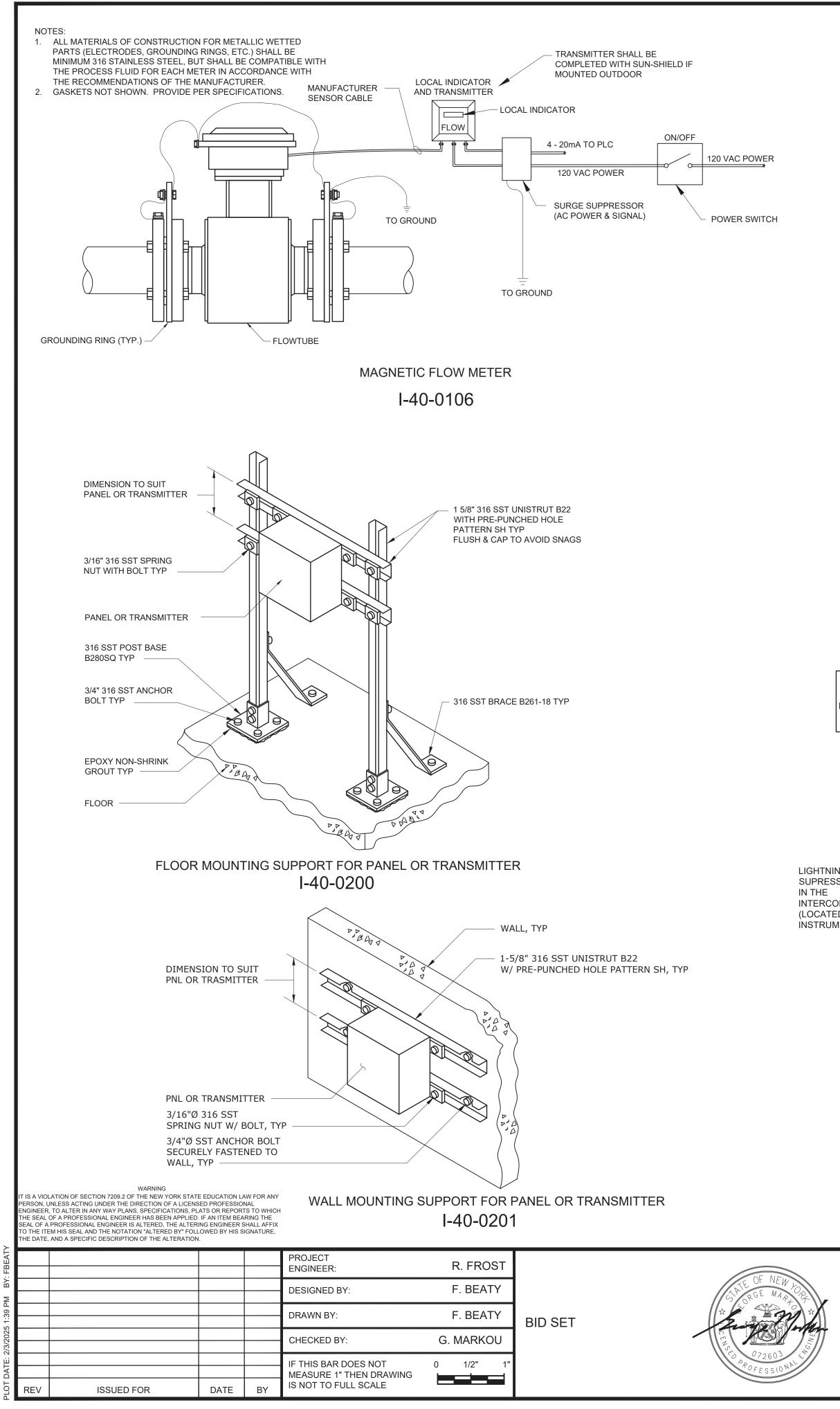












- OPEN/CLOSED SWITCH LCP ТО PLC FIELD SENSORS ___ SURGE PROTECTOR DISCRETE PLC/INPUT CIRCUIT 24V. D.C. COIL INTERPOSING RELAY LCP ---**>** TO PROCESS ТО IPLC ____ EQUIPMENT ____ RELAY ____ SURGE PROTECTOR **DISCRETE CIRCUIT - SURGE PROTECTORS** LIGHTNING/SURGE AC POWER AND ANALOG -----120 V. POWER DISTRIBUTION SIGNAL SURGE PROTECTOR SUPRESSORS LOCATED – 120 V.A.C. (LOCATED NEXT TO INTERCONNECTION THE INSTRUMENT) (LOCATED NEXT TO THE **INSTRUMENT)** CABINETS ANALOG FIELD INSTRUMENTS LCP то ____ PLC – 4-20 MA SURGE PROTECTOR **4-WIRE FIELD TRANSMITTERS** - 4-20 MA LCP ANALOG TO PLC FIELD INSTRUMENTS SURGE PROTECTOR

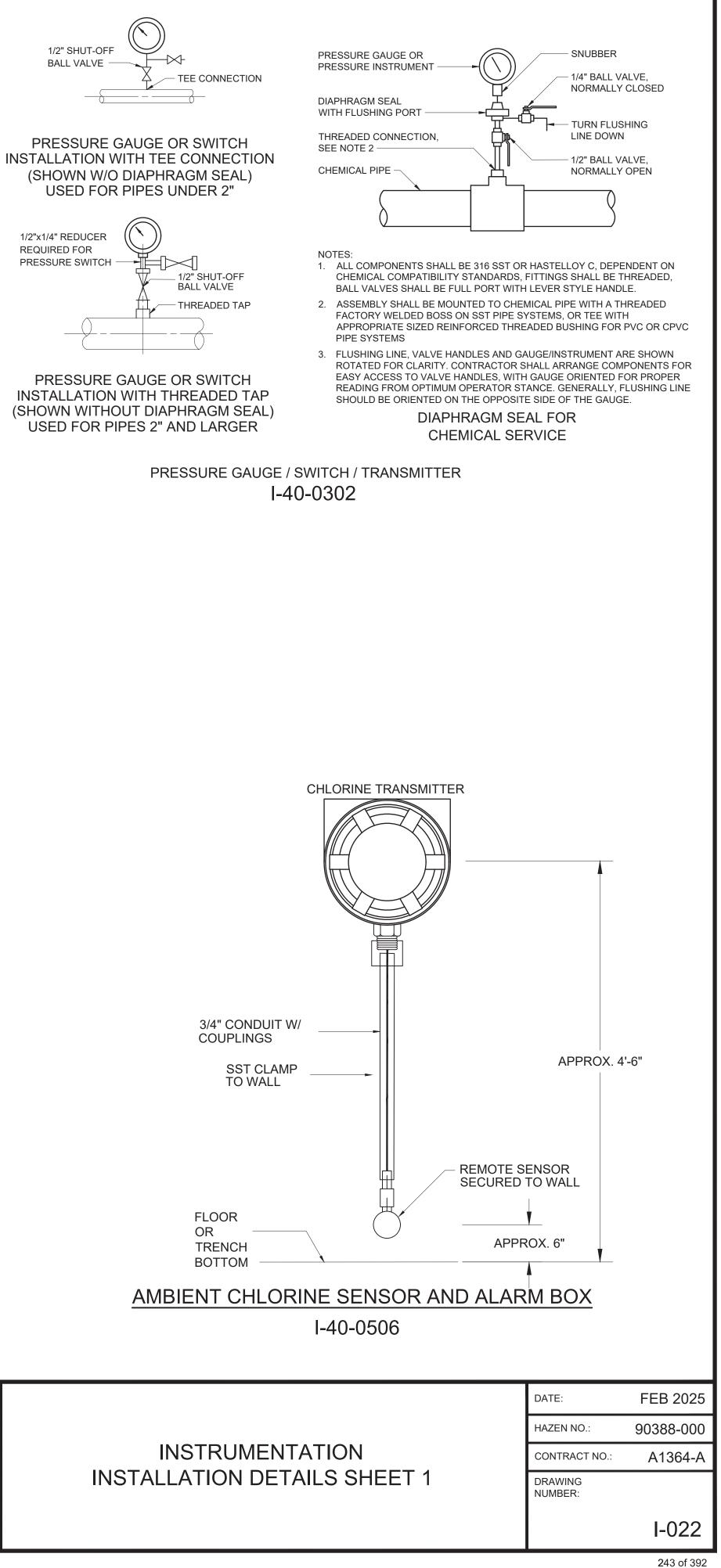
SURGE PROTECTOR (LOCATED NEXT TO THE INSTRUMENT)

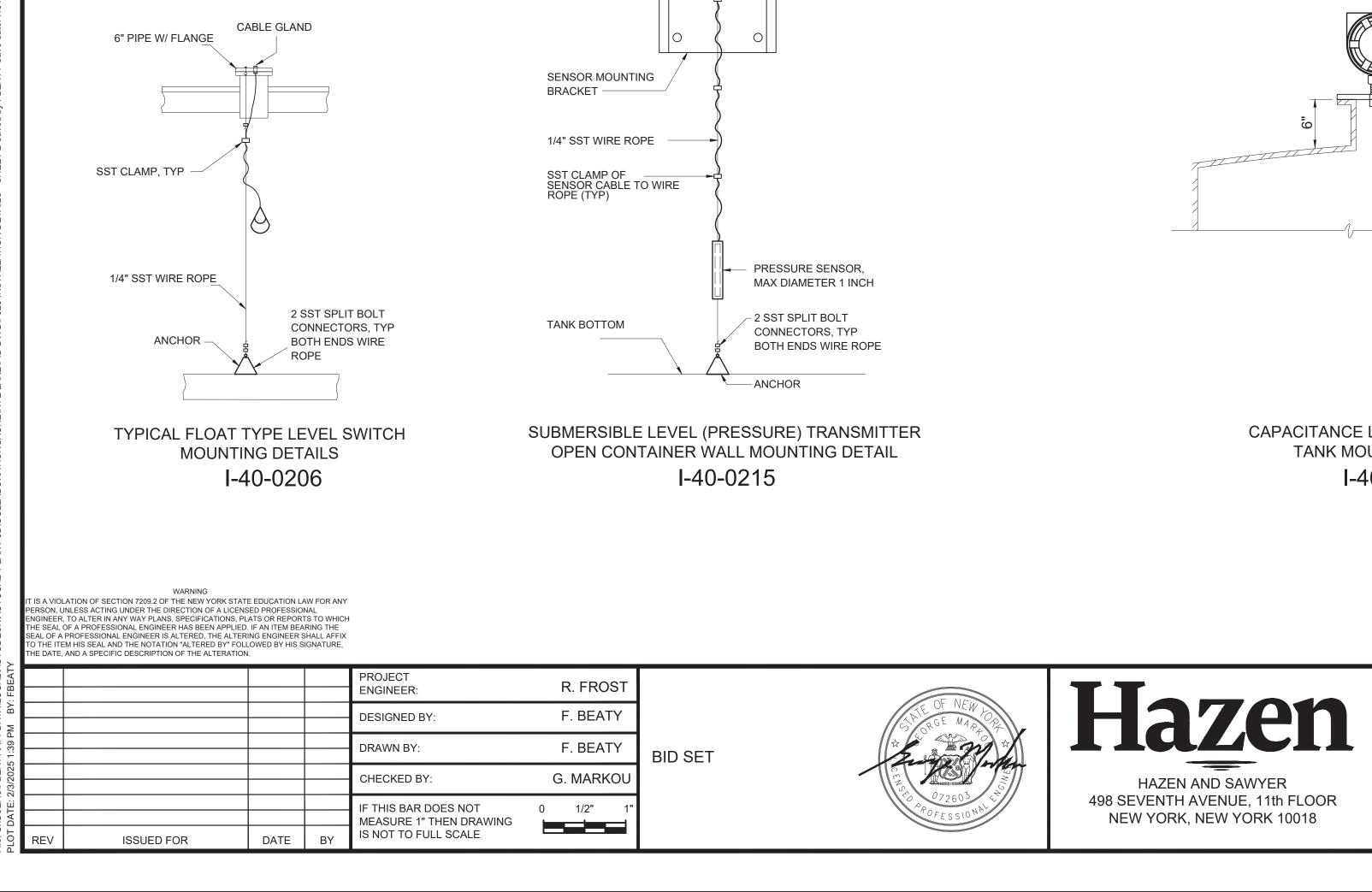
2-WIRE FIELD TRANSMITTERS **ANALOG CIRCUITS - SURGE PROTECTORS**

Hazen HAZEN AND SAWYER 498 SEVENTH AVENUE, 11th FLOOR NEW YORK, NEW YORK 10018

WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY





OVER-HUNG ULTRASONIC LEVEL TRANSDUCER

SENSOR

- 304 SST CHANNEL

BRACKET FLOOR

MOUNT SIEMENS

FMS-320 WITH SST

BOLTS, OR EQUAL

304 SST CHANNEL

SENSOR

VIEW 'A-A'

BRACKET -

SENSOR

CABLE -



SENSOR CABLE

BUSHING, 1.5" NPT

THREAD -

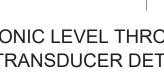


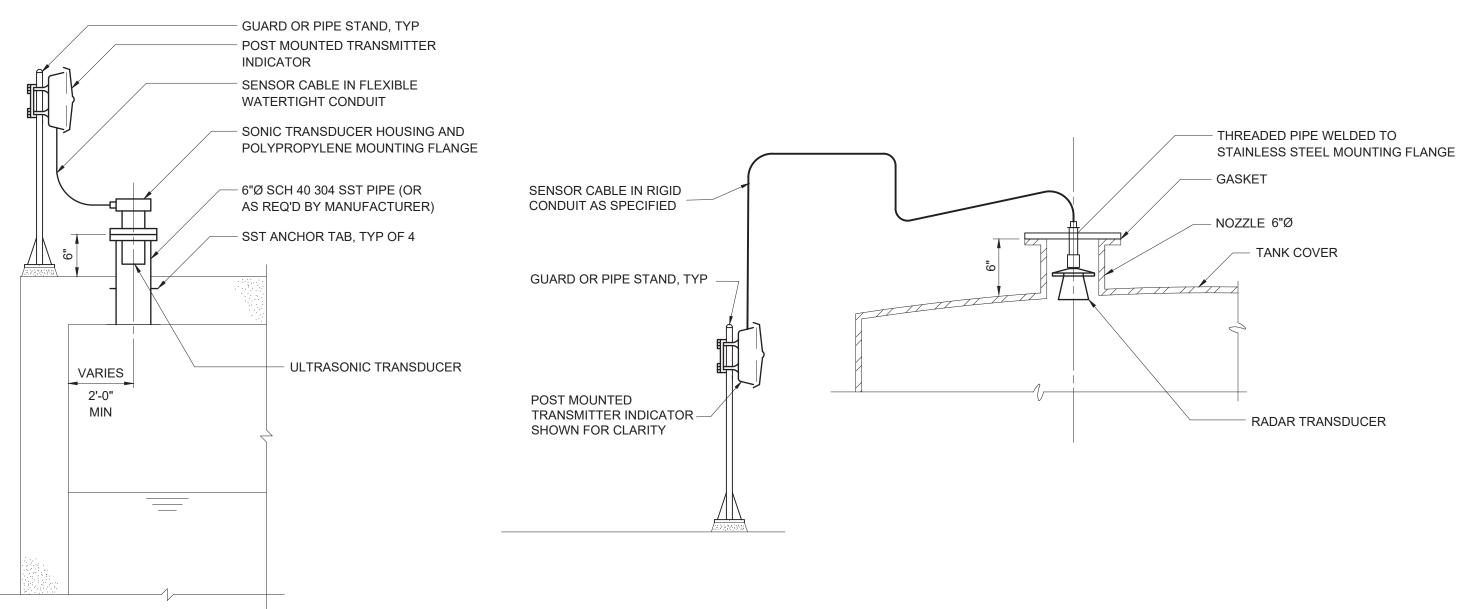
TERMINAL HOUSING MOUNTED ON

316 SST UNISTRUT SUPPORT









I-40-0217

NOTES:

FOR APPROVAL.

3. MINIMUM 2 CLAMPS.

SENSOR CABLE TO

FLEXIBLE CONDUIT

FLEXIBLE CONDUIT

1" RGS CONDUIT

316 SST CLAMP,

TYP (NOTE 3)

ADAPTER -

TO TRANSMITTER

INSIDE 1"

1. DIMENSION TO SUIT INSTALLATION.

2. SENSOR BOTTOM TO BE MINIMUM

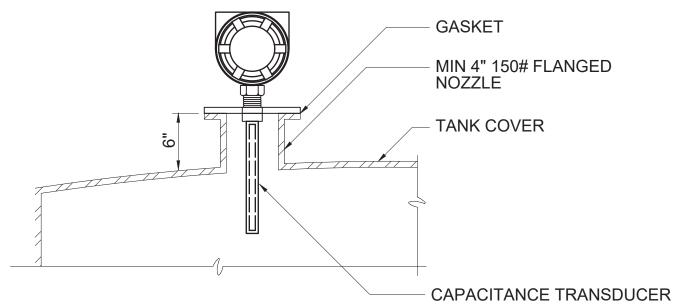
MAXIMUM OF 12" BETWEEN.

CONTRACTOR TO SUBMIT DRAWING

12" ABOVE MAXIMUM WATER LEVEL.

ULTRASONIC LEVEL TRANSDUCER TANK MOUNTING DETAIL

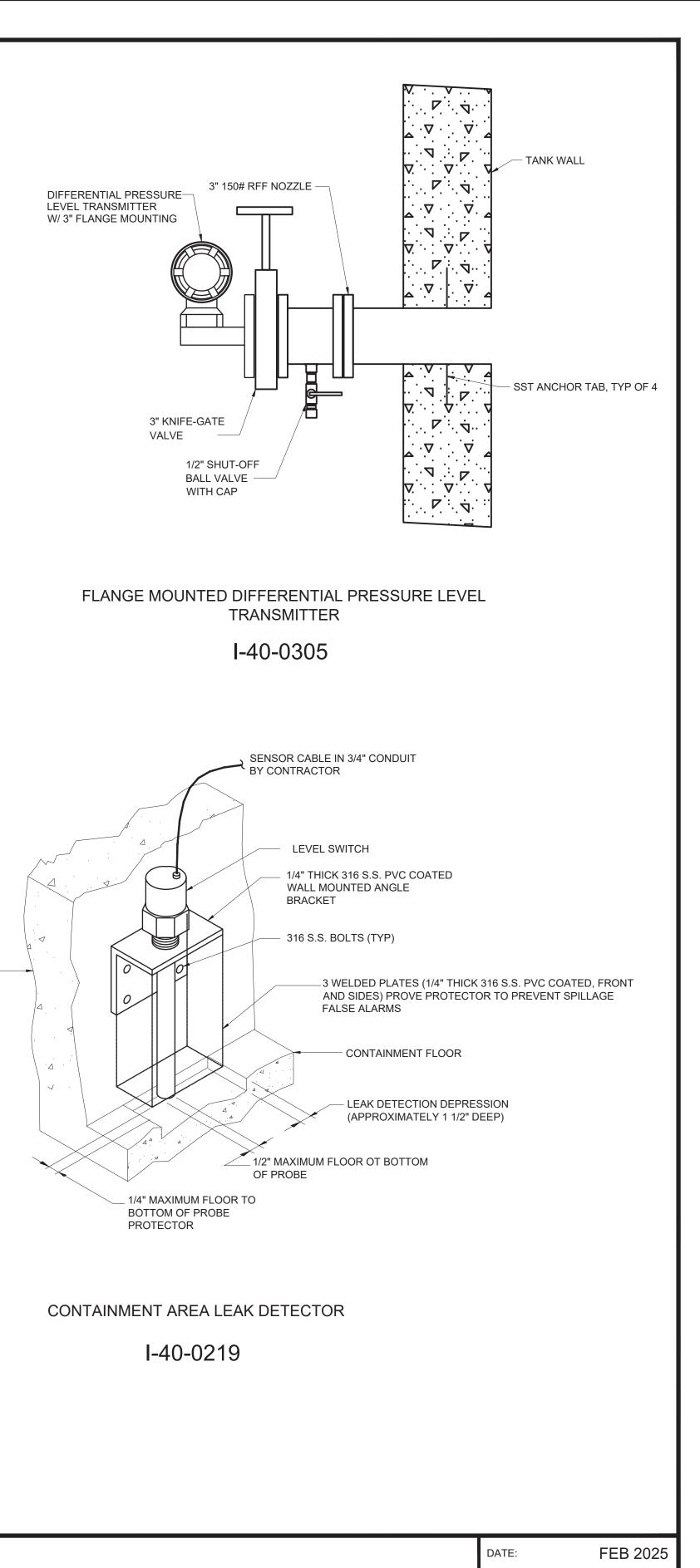
I-40-0218



CAPACITANCE LEVEL TRANSDUCER TANK MOUNTING DETAIL I-40-0216

WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY



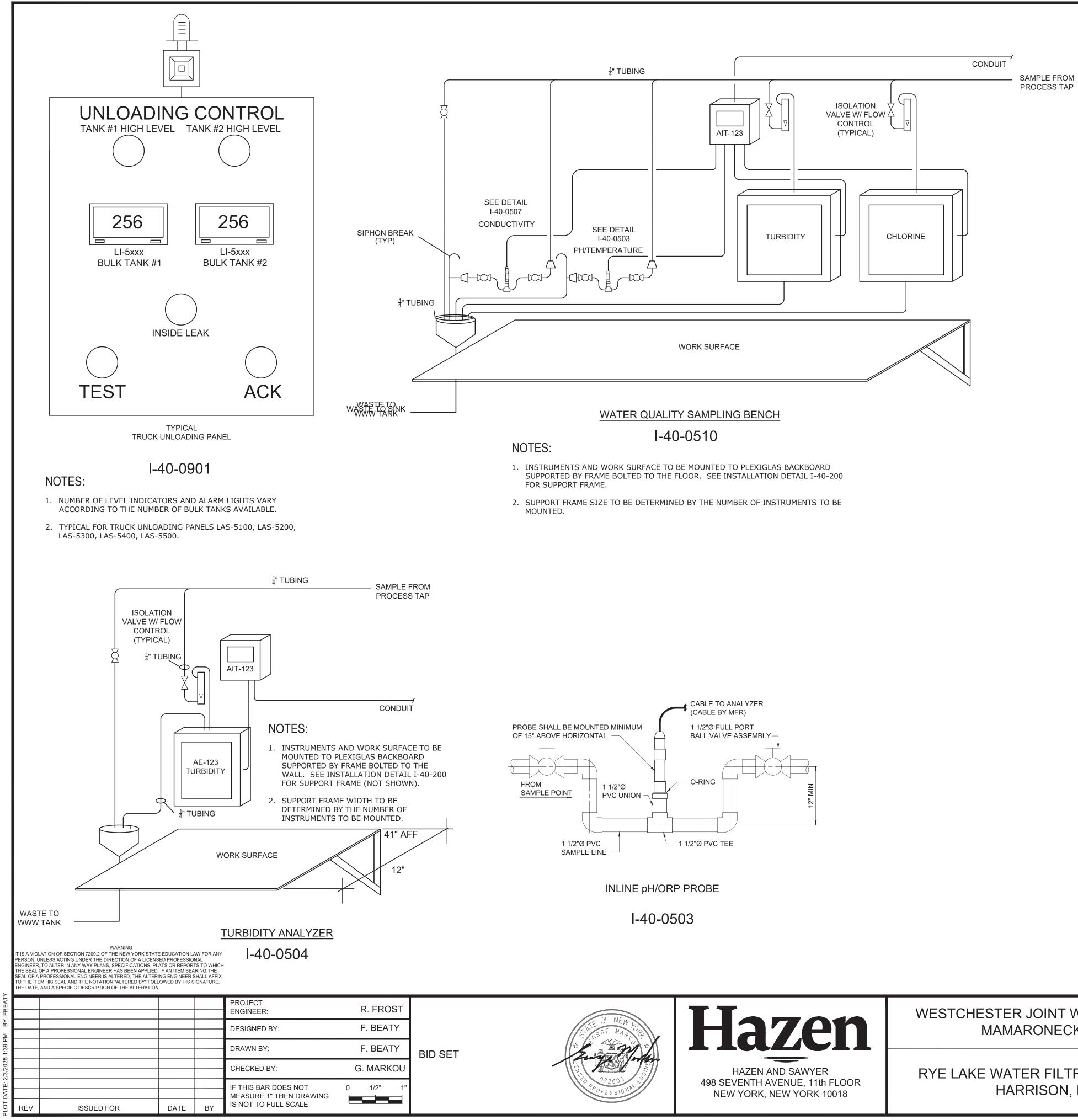
HAZEN NO. INSTRUMENTATION CONTRACT NO .: **INSTALLATION DETAILS SHEET 2** DRAWING NUMBER:

I-023

90388-000

A1364-A

244 of 392



WESTCHESTER JOINT WATER WORKS MAMARONECK, NY

RYE LAKE WATER FILTRATION PLANT HARRISON, NY

INSTRUMENTATION INSTALLATION DETAILS SHEET 3	DATE:	FEB 2025
	HAZEN NO.:	90388-000
	CONTRACT NO .:	A1364-A
	DRAWING NUMBER:	
		I-024