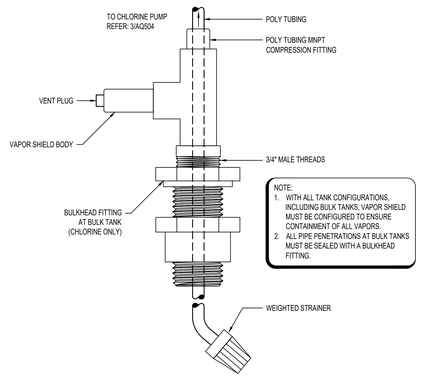
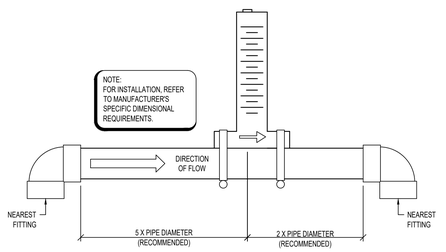
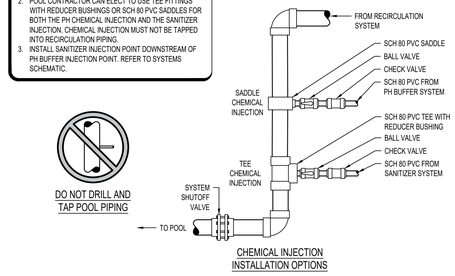


15 AQ504 CHEMICAL VENT PIPING
6" = 1'-0"

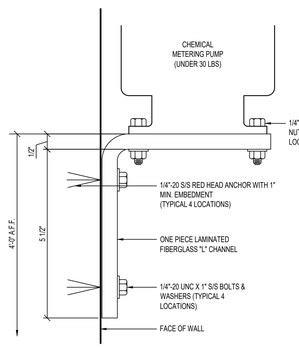


11 AQ504 IMPACT FLOW METER
3/4" = 1'-0"

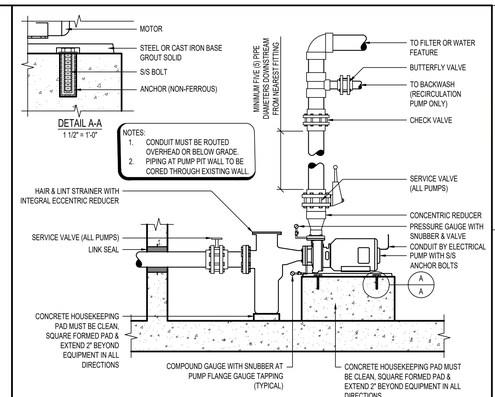


CHEMICAL INJECTION INSTALLATION OPTIONS

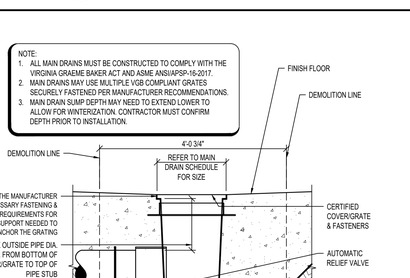
7 AQ504 CHEMICAL INJECTION
1/2" = 1'-0"



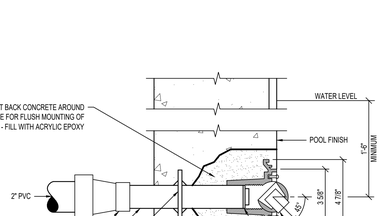
4 AQ504 CHEMICAL PUMP SHELF
6" = 1'-0"



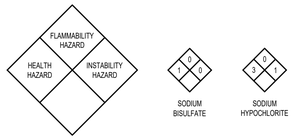
1 AQ504 PUMP DETAIL
1/2" = 1'-0"



16 AQ504 CURRENT CHANNEL NOZZLE (ALTERNATE AC-01)
3/4" = 1'-0"



12 AQ504 WATER SEAL
1" = 1'-0"

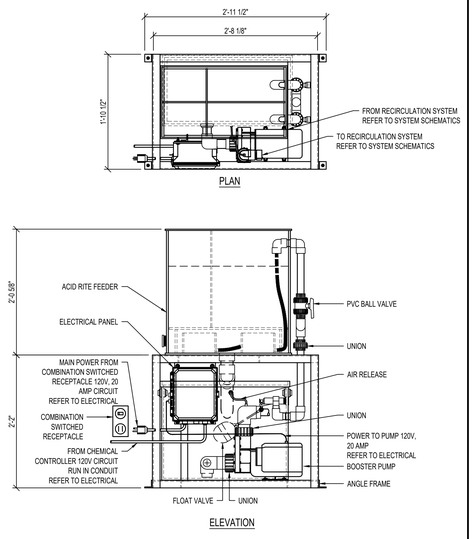


RATING EXPLANATION GUIDE

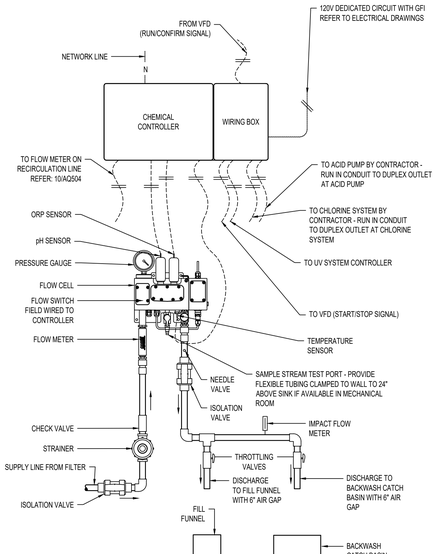
RATING	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD
4	CAN BE LETHAL	BELOW 73 DEGREES F	MAY EXPLODE AT NORMAL TEMPERATURES & PRESSURES
3	CAN CAUSE SERIOUS OR PERMANENT INJURY	ABOVE 73 DEGREES, BELOW 100 DEGREES F	MAY EXPLODE AT HIGH TEMPERATURE OR SHOCK
2	CAN CAUSE TEMPORARY INCAPACITATION OR RESIDUAL INJURY	ABOVE 100 DEGREES F, BELOW 200 DEGREES F	VIOLENT CHEMICAL CHANGE AT HIGH TEMPERATURES OR PRESSURES
1	CAN CAUSE SIGNIFICANT IRRITATION	ABOVE 200 DEGREES F	NORMALLY STABLE, HIGH TEMPERATURES MAKE UNSTABLE
0	NO HAZARD	WILL NOT BURN	STABLE

CONFIRM SIGNAGE WITH LOCAL FIRE MARSHAL AND/OR BUILDING CODES PRIOR TO INSTALLATION.

8 AQ504 HAZARD SIGNAGE
NTS

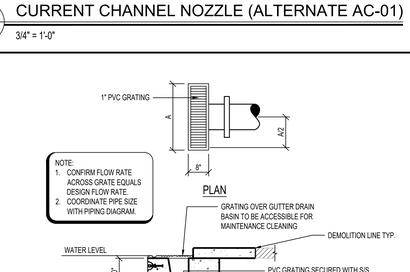


5 AQ504 ACID SYSTEM
1" = 1'-0"



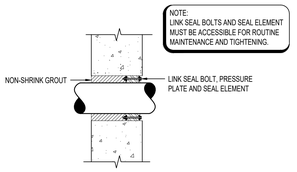
NOTES:
1. INTERLOCK WITH RECIRCULATION PUMP OCCURS INSIDE THE WIRING BOX ON BECS CONTROLLERS. CONTRACTOR TO PROVIDE FIELD WIRE INTERLOCK EXTERNAL TO THE CONTROLLER IF A BECS CONTROLLER IS NOT USED.
2. DRAWING IS FOR REFERENCE ONLY. REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PIPE RUN FROM RECIRCULATION PIPE TO SAMPLE CELL TO BE 50 FEET OR LESS.
4. SAMPLE FEED PIPING TO/FROM THE RECIRCULATION SYSTEM TO THE WATER CHEMISTRY CONTROLLER MUST BE SADDLED OR TEED. NO TAPPING OR DRILLING INTO THE PIPING WILL BE ALLOWED.
5. PROVIDE ETHERNET CONNECTION FOR REMOTE ACCESS TO WATER CHEMISTRY CONTROLLER. REFER TO ELECTRICAL.

2 AQ504 CHEMICAL CONTROLLER
NTS

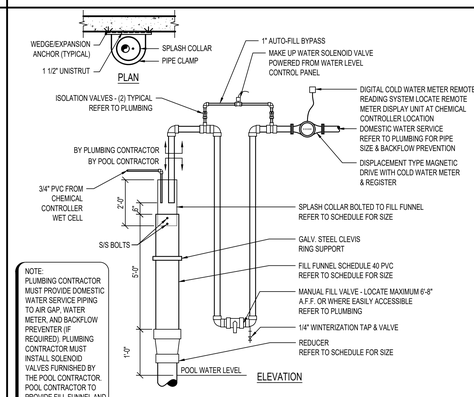


N.P.S	A	B
4"	1'-0"	2 1/2"
6"	1'-0"	3 1/2"
8"	1'-6"	4 1/2"
10"	2'-6"	5 1/2"
12"	3'-6"	6 1/2"

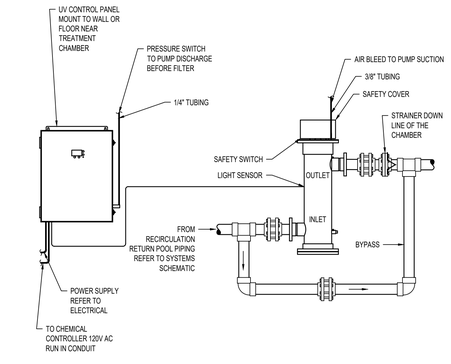
17 AQ504 GUTTER DROPOUT BOX
1/2" = 1'-0"



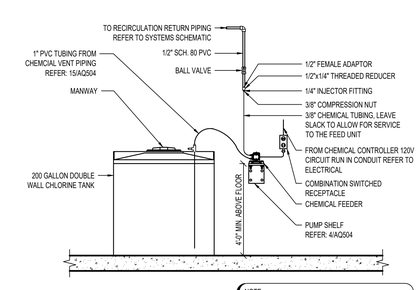
13 AQ504 LINK SEAL
3/4" = 1'-0"



9 AQ504 FILL FUNNEL
3/8" = 1'-0"



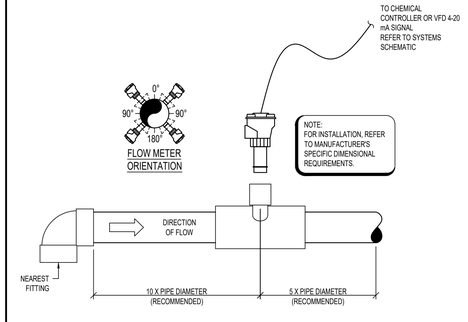
6 AQ504 UV TREATMENT SYSTEM
1/2" = 1'-0"



3 AQ504 CHLORINATION SYSTEM
3/8" = 1'-0"

18 AQ504 MAIN DRAIN
3/4" = 1'-0"

14 AQ504 WALL INLET (ALTERNATE AC-01 & AC-04)
3" = 1'-0"



10 AQ504 FLOW METER SENSOR
3/4" = 1'-0"

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SCOTT W. HESTER
ENGINEER
COMMONWEALTH OF PENNSYLVANIA
5-18-23

Hampden Township Aquatics Center Improvements
5002 Hampden Park Dr
Mechanicsburg, PA 17050

REVISIONS
05/19/23 - ISSUED FOR PERMIT

No.	Date	Description

DRAWING TITLE
POOL MECHANICAL DETAILS

PROJECT NUMBER
22.226
DRAWN BY
KAS
SCALE
AS NOTED
DATE
05/19/2023
DRAWING NUMBER
AQ504

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