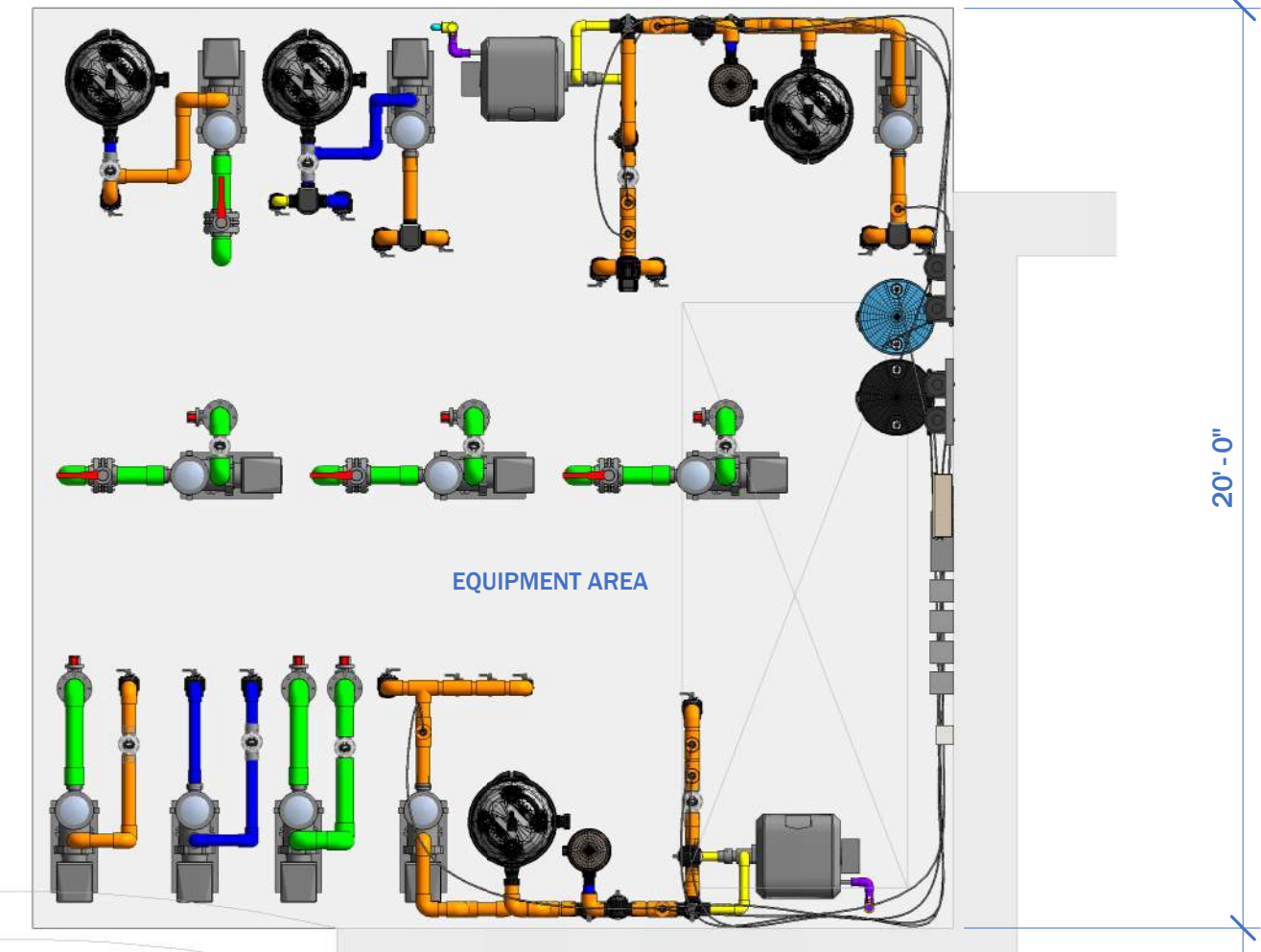
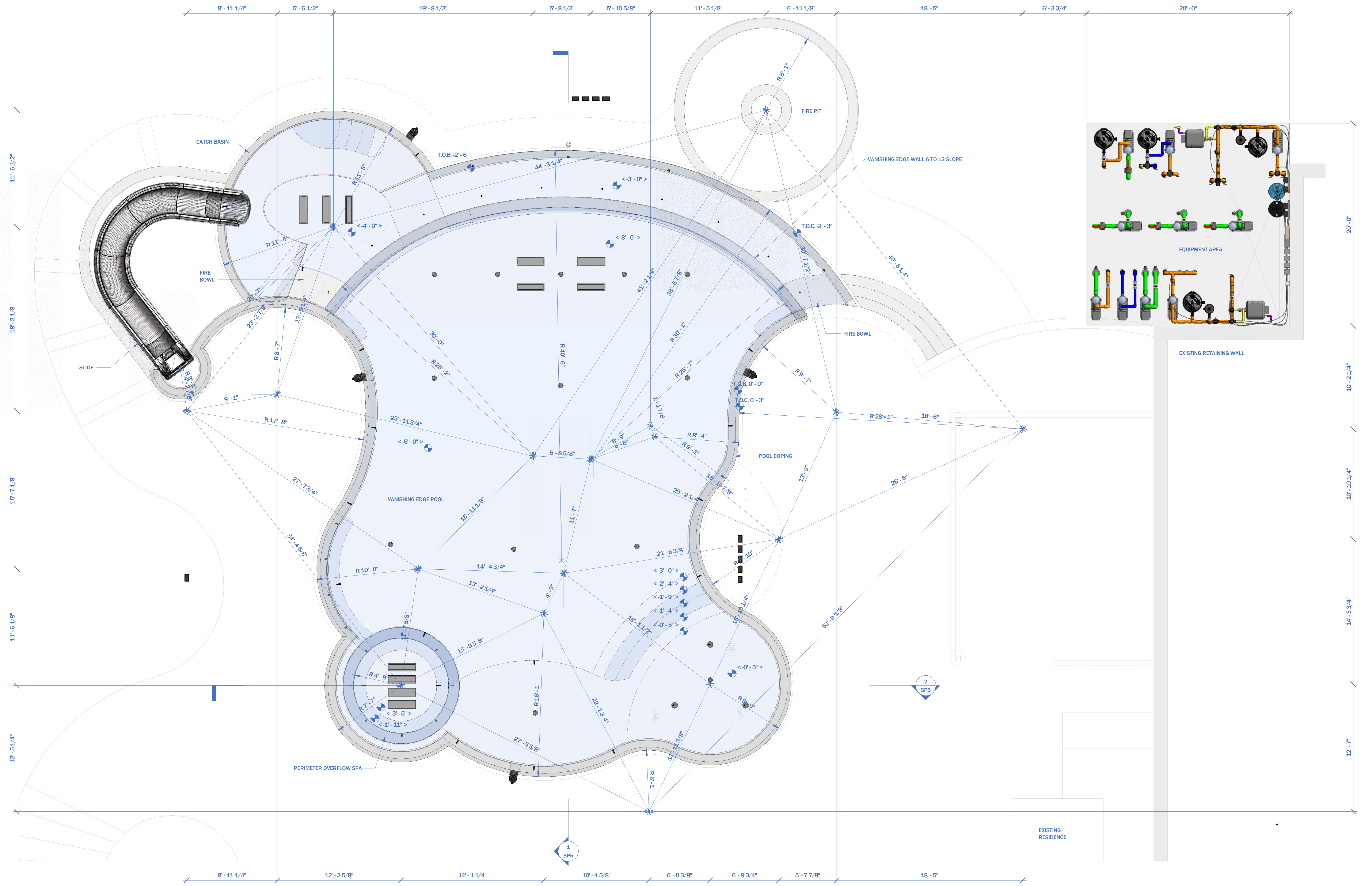


Project Data									
Name	Area	Perimeter	Volume	Water Depth	Turnover (MIN)	Circulation Rate (GPM)	Overflow Length (FT)	Overflow Rate (GPM/FT)	Flow (GPM)
Pool	1883 ft ²	192' - 9"	67600 gal	3'-0" - 8'-0"	360	188	55	2.91	160
Spa	70 ft ²	32' - 10"	1500 gal	3'-0"	25	60	37	1.58	58
Catch Basin	414 ft ²	142' - 5"	10300 gal	3'-0" - 4'-0"	240	43	0	0	0

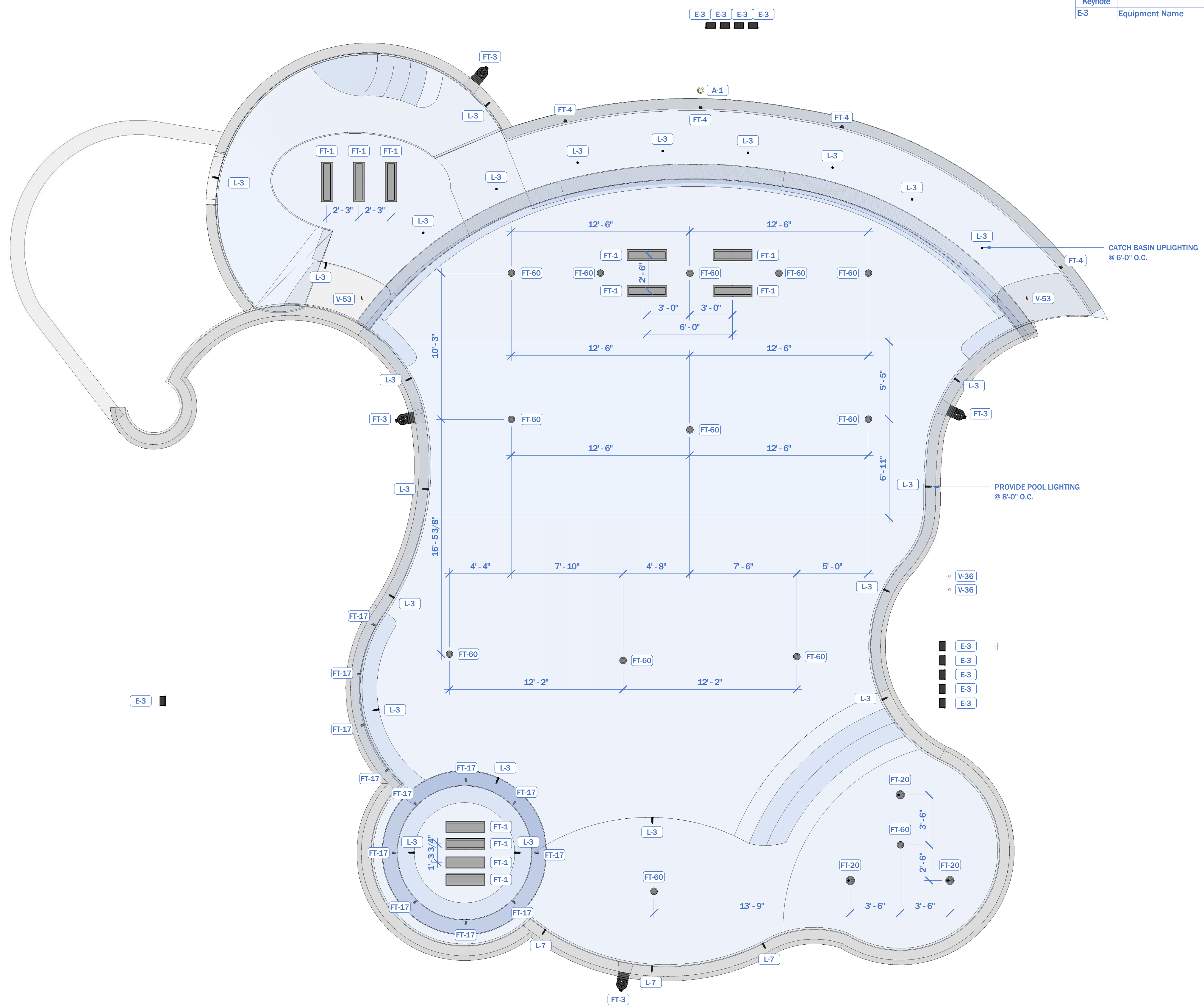
NOTES:
 T.O.C. TOP OF COPING
 T.O.B. TOP OF BEAM
 T.O.S. TOP OF SLAB
 <X'-X"> WATER DEPTH



IAD HYDRAULIC DESIGN SAMPLE
TIER 3

Pool Fitting Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
FT-1	Equipment Name	A&A	Model Number	11
FT-3	Equipment Name	AquaStar	Model Number	4
FT-4	Equipment Name	AquaStar	Model Number	4
FT-17	Equipment Name	Waterway	Model Number	32
FT-20	Equipment Name	Jandy	Model Number	3
FT-60	Equipment Name	Color Match	Model Number	13
L-3	Equipment Name	Jandy	Model Number	25
L-7	Equipment Name	Jandy	Model Number	3
V-53	Equipment Name	Watts	Model Number	2

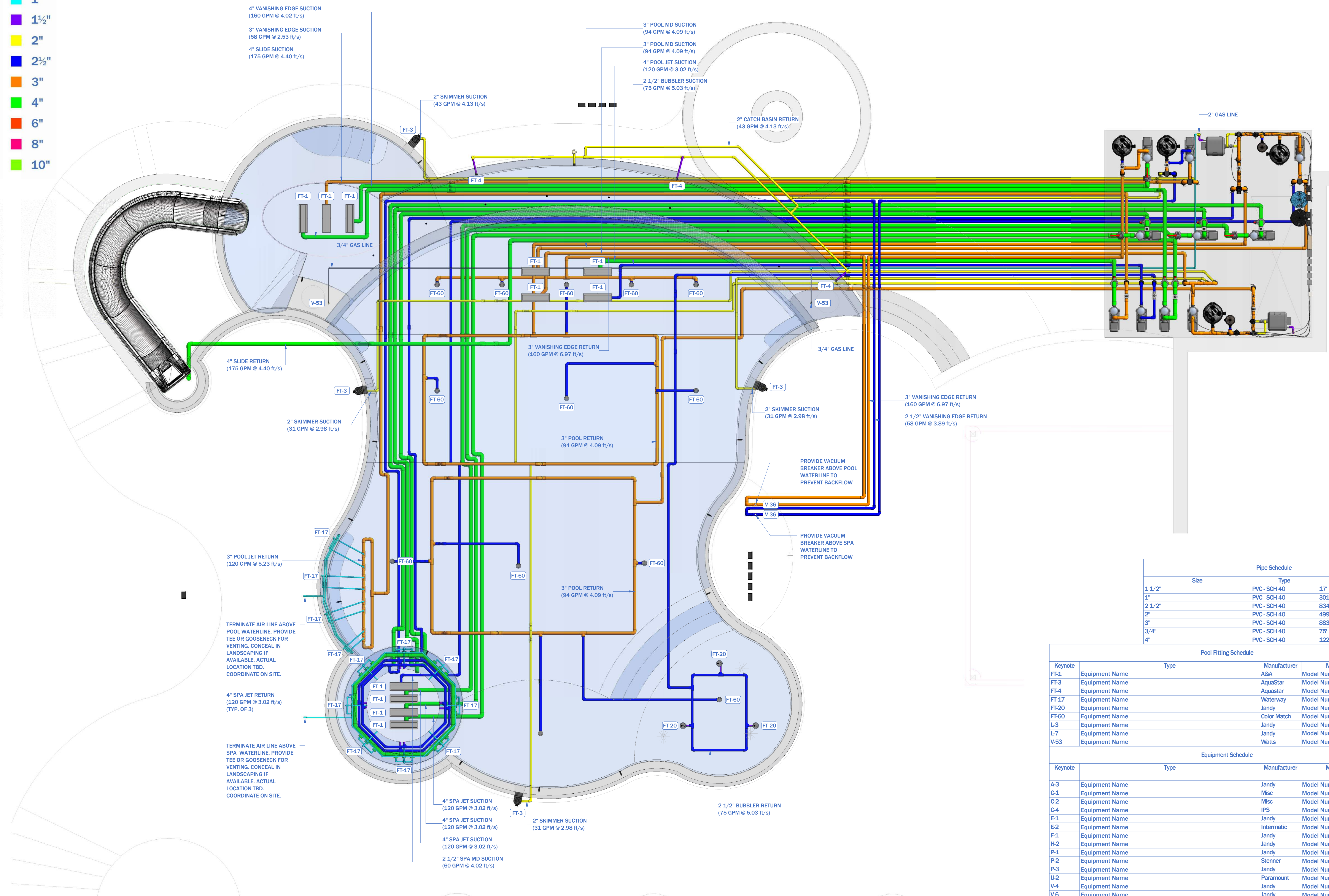
Electrical Equipment Schedule				
Keynote	Name	Manufacturer	Model #	Quantity
E-3	Equipment Name	Intermatic	Model Number	10



IAD HYDRAULIC DESIGN SAMPLE
TIER 3

PIPE SIZE LEGEND

- 1"
- 1½"
- 2"
- 2½"
- 3"
- 4"
- 6"
- 8"
- 10"

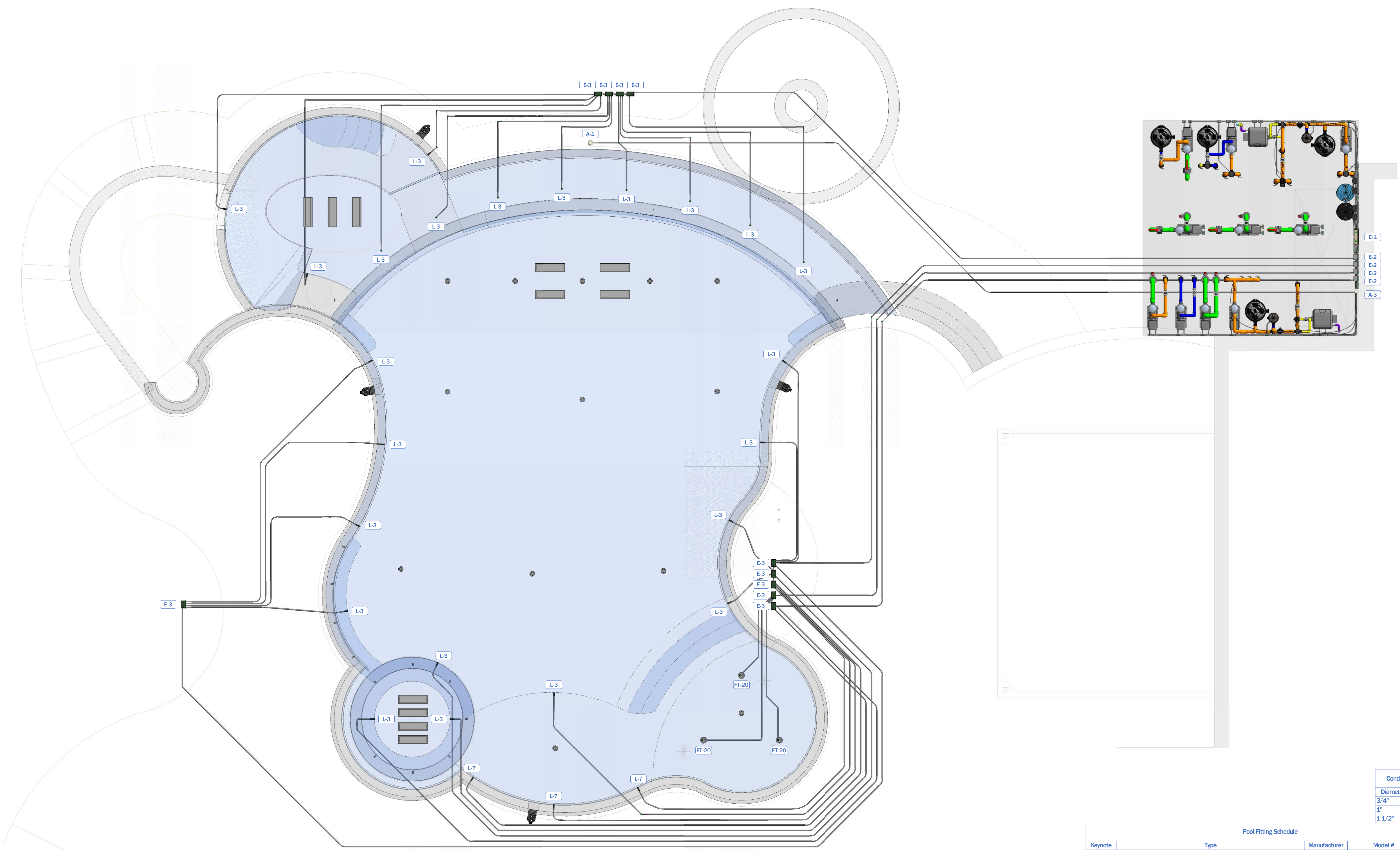


Pipe Schedule			
Size	Type	Length	
1 1/2"	PVC - SCH 40	17'	
1"	PVC - SCH 40	301'	
2 1/2"	PVC - SCH 40	834'	
2"	PVC - SCH 40	499'	
3"	PVC - SCH 40	883'	
3/4"	PVC - SCH 40	75'	
4"	PVC - SCH 40	1226'	

Pool Fitting Schedule					
Keynote	Equipment Name	Type	Manufacturer	Model #	Quantity
FT-1	Equipment Name		A&A	Model Number	11
FT-3	Equipment Name		AquaStar	Model Number	4
FT-4	Equipment Name		AquaStar	Model Number	4
FT-17	Equipment Name		Waterway	Model Number	32
FT-20	Equipment Name		Jandy	Model Number	3
FT-60	Equipment Name		Color Match	Model Number	13
L-3	Equipment Name		Jandy	Model Number	25
L-7	Equipment Name		Jandy	Model Number	3
V-53	Equipment Name		Watts	Model Number	2

Equipment Schedule					
Keynote	Equipment Name	Type	Manufacturer	Model #	Quantity
A-3	Equipment Name		Jandy	Model Number	1
C-1	Equipment Name		Misc	Model Number	1
C-2	Equipment Name		Misc	Model Number	1
C-4	Equipment Name		IPS	Model Number	2
E-1	Equipment Name		Jandy	Model Number	1
E-2	Equipment Name		Intermatic	Model Number	4
F-1	Equipment Name		Jandy	Model Number	4
H-2	Equipment Name		Jandy	Model Number	2
P-1	Equipment Name		Jandy	Model Number	8
P-2	Equipment Name		Stenner	Model Number	4
P-3	Equipment Name		Jandy	Model Number	2
U-2	Equipment Name		Paramount	Model Number	2
V-4	Equipment Name		Jandy	Model Number	8
V-6	Equipment Name		Jandy	Model Number	12
V-15	Equipment Name		Jandy	Model Number	4
V-16	Equipment Name		Jandy	Model Number	5
V-21	Equipment Name		Jandy	Model Number	10
V-26	Equipment Name		Jandy	Model Number	2
V-35	Equipment Name		Asahi	Model Number	10

**IAD HYDRAULIC DESIGN SAMPLE
TIER 3**



IAD HYDRAULIC DESIGN SAMPLE
TIER 3

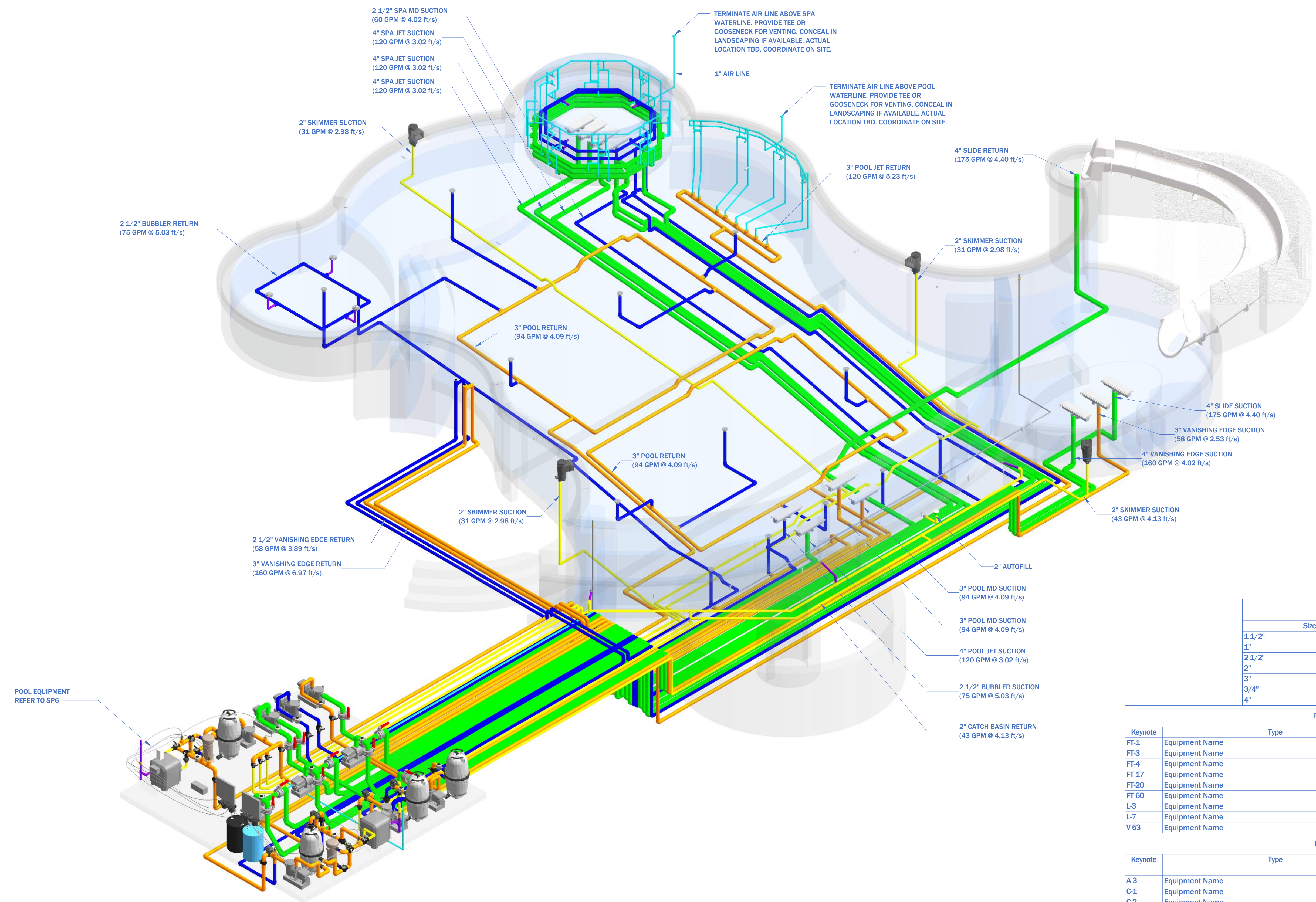
Conduit Run Schedule	
Diameter	Length
3/4"	86' - 0"
1"	1693' - 0"
1 1/2"	3' - 0"

Pool Fitting Schedule					
Keynote	Equipment Name	Type	Manufacturer	Model #	Quantity
FT-1	Equipment Name	A&A	AquaStar	Model Number	11
FT-3	Equipment Name		AquaStar	Model Number	4
FT-4	Equipment Name		AquaStar	Model Number	4
FT-17	Equipment Name		Waterway	Model Number	32
FT-20	Equipment Name		Jandy	Model Number	3
FT-60	Equipment Name		Color Match	Model Number	13
L-3	Equipment Name		Jandy	Model Number	25
L-7	Equipment Name		Jandy	Model Number	3
V-53	Equipment Name		Watts	Model Number	2

Electrical Equipment Schedule				
Keynote	Name	Manufacturer	Model #	Quantity
E-3	Equipment Name	Intermatic	Model Number	10

PIPE SIZE LEGEND

- 1"
- 1½"
- 2"
- 2½"
- 3"
- 4"
- 6"
- 8"
- 10"

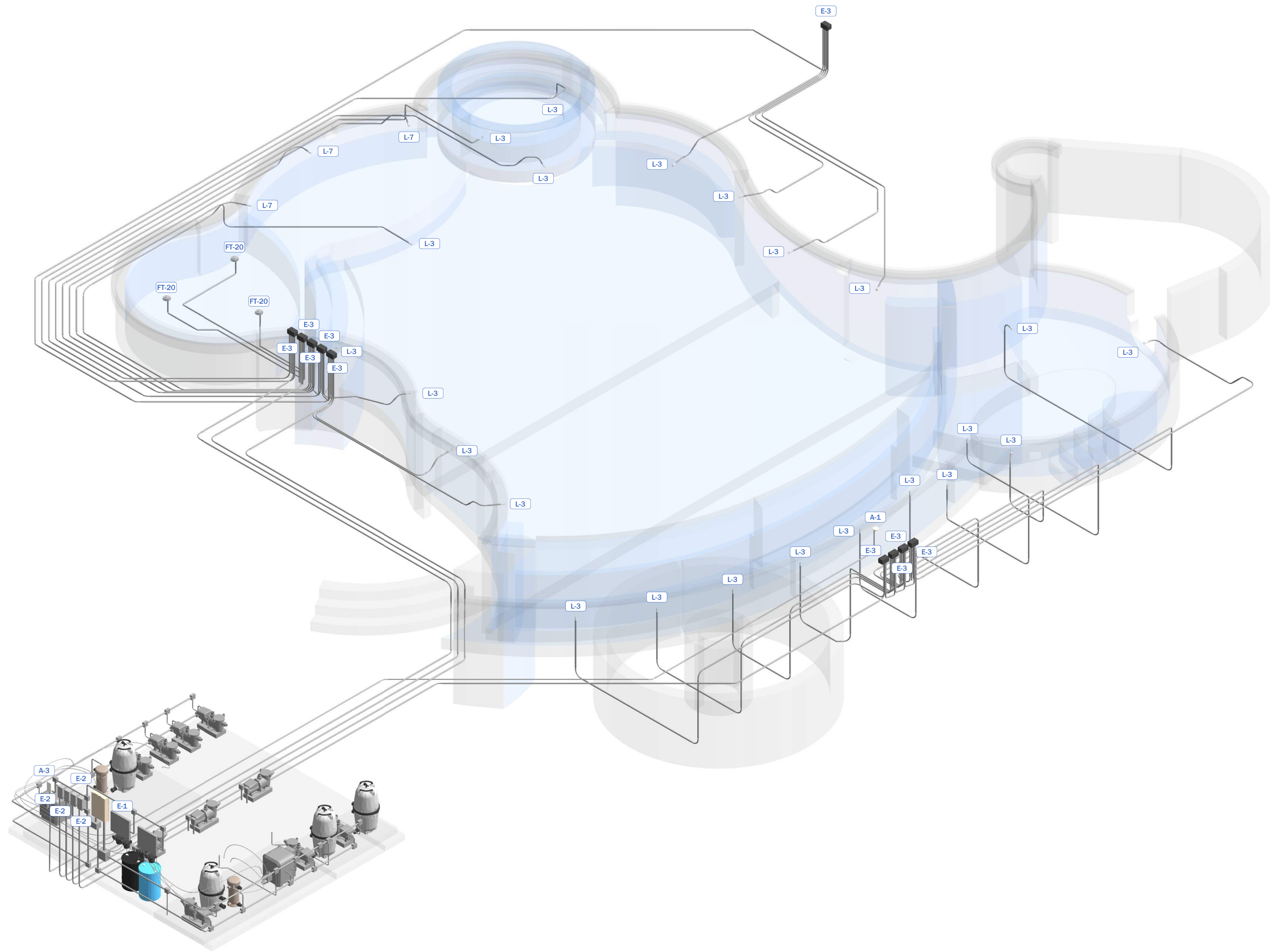


Pipe Schedule			
Size	Type	Length	
1 1/2"	PVC - SCH 40	17'	
1"	PVC - SCH 40	301'	
2 1/2"	PVC - SCH 40	834'	
2"	PVC - SCH 40	499'	
3"	PVC - SCH 40	883'	
3/4"	PVC - SCH 40	75'	
4"	PVC - SCH 40	1226'	

Pool Fitting Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
FT-1	Equipment Name	A&A	Model Number	11
FT-3	Equipment Name	AquaStar	Model Number	4
FT-4	Equipment Name	Aquastar	Model Number	4
FT-17	Equipment Name	Waterway	Model Number	32
FT-20	Equipment Name	Jandy	Model Number	3
FT-60	Equipment Name	Color Match	Model Number	13
L-3	Equipment Name	Jandy	Model Number	25
L-7	Equipment Name	Jandy	Model Number	3
V-53	Equipment Name	Watts	Model Number	2

Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
A-3	Equipment Name	Jandy	Model Number	1
C-1	Equipment Name	Misc	Model Number	1
C-2	Equipment Name	Misc	Model Number	1
C-4	Equipment Name	IPS	Model Number	2
E-1	Equipment Name	Jandy	Model Number	1
E-2	Equipment Name	Intermatic	Model Number	4
F-1	Equipment Name	Jandy	Model Number	4
H-2	Equipment Name	Jandy	Model Number	2
P-1	Equipment Name	Jandy	Model Number	8
P-2	Equipment Name	Stenner	Model Number	4
P-3	Equipment Name	Jandy	Model Number	2
U-2	Equipment Name	Paramount	Model Number	2
V-4	Equipment Name	Jandy	Model Number	8
V-6	Equipment Name	Jandy	Model Number	12
V-15	Equipment Name	Jandy	Model Number	4
V-16	Equipment Name	Jandy	Model Number	5
V-21	Equipment Name	Jandy	Model Number	10
V-26	Equipment Name	Jandy	Model Number	2
V-35	Equipment Name	Asahi	Model Number	10

**IAD HYDRAULIC DESIGN SAMPLE
TIER 3**



IAD HYDRAULIC DESIGN SAMPLE
TIER 3

Conduit Run Schedule	
Diameter	Length
3/4"	86' - 0"
1"	1693' - 0"
1 1/2"	3' - 0"

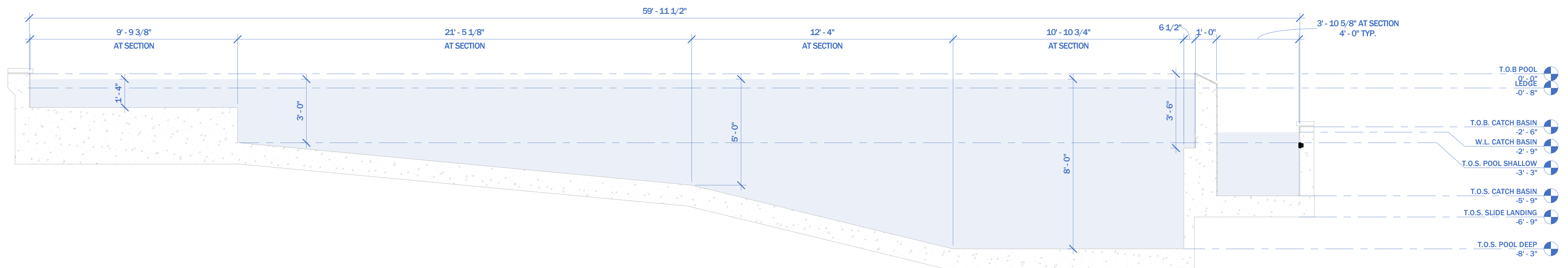
Pool Fitting Schedule					
Keynote	Equipment Name	Type	Manufacturer	Model #	Quantity
FT-1	Equipment Name		A&A	Model Number	11
FT-3	Equipment Name		AquaStar	Model Number	4
FT-4	Equipment Name		AquaStar	Model Number	4
FT-17	Equipment Name		Waterway	Model Number	32
FT-20	Equipment Name		Jandy	Model Number	3
FT-60	Equipment Name		Color Match	Model Number	13
L-3	Equipment Name		Jandy	Model Number	25
L-7	Equipment Name		Jandy	Model Number	3
V-53	Equipment Name		Watts	Model Number	2

Electrical Equipment Schedule					
Keynote	Equipment Name	Name	Manufacturer	Model #	Quantity
E-3	Equipment Name		Intermatic	Model Number	10

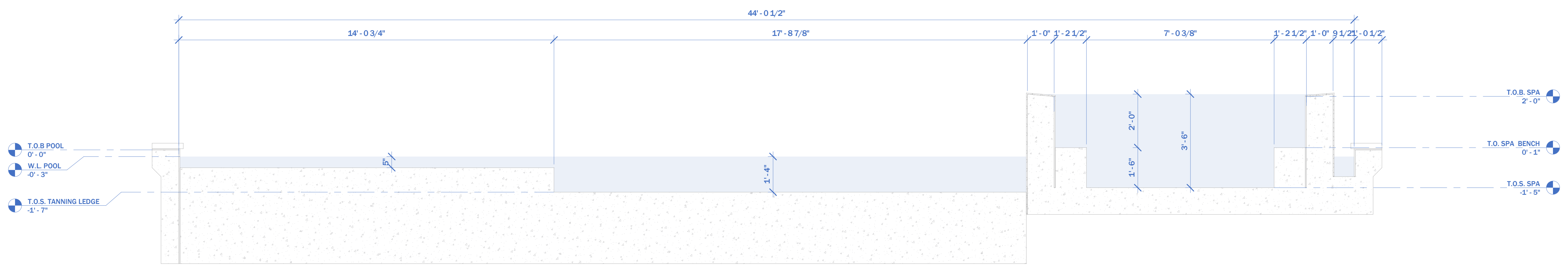
3D STANDARD DETAILS
INTENTIONALLY LEFT BLANK

STANDARD DETAILS
INTENTIONALLY LEFT BLANK

STANDARD DETAILS
INTENTIONALLY LEFT BLANK



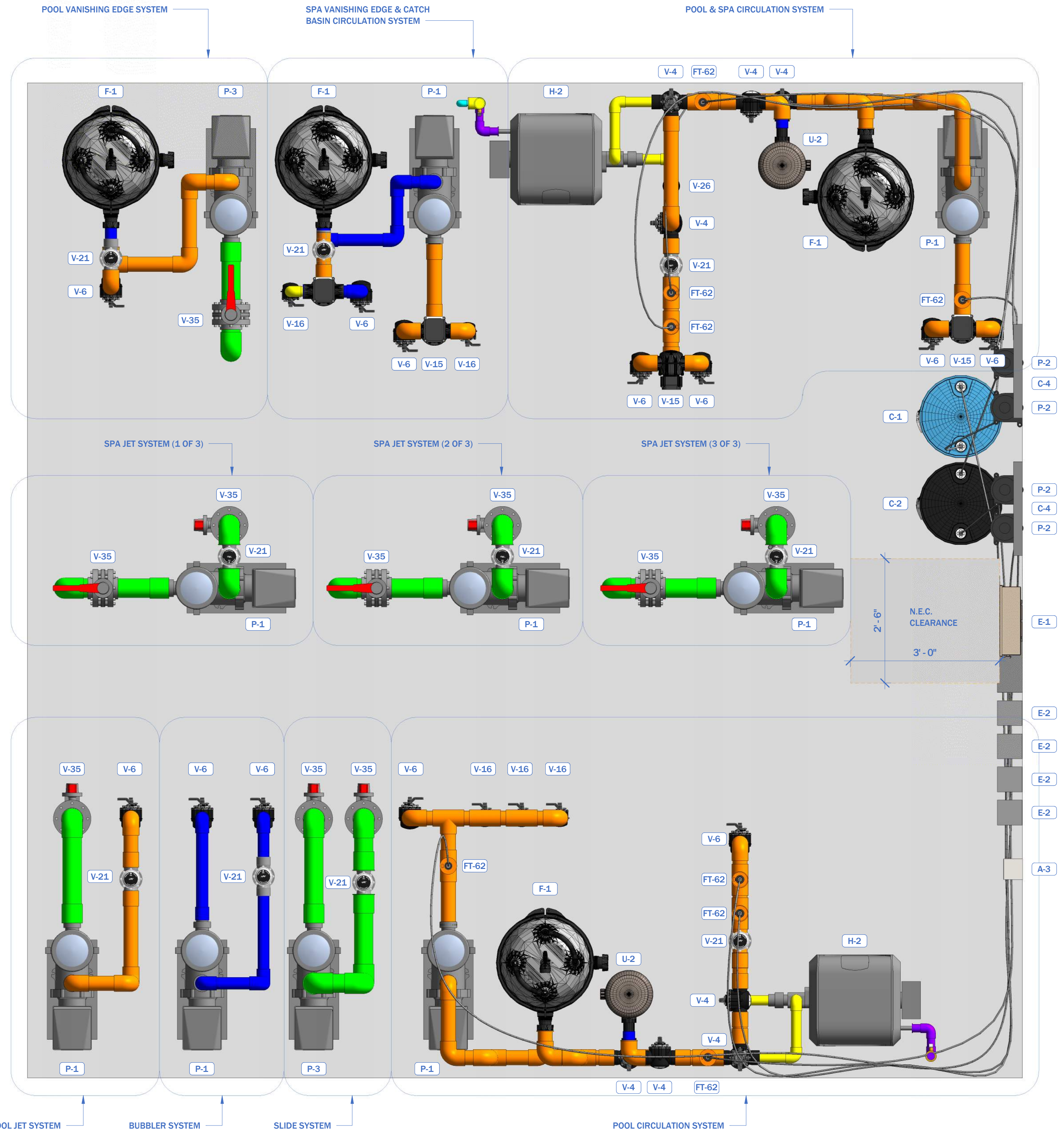
① LONGITUDINAL POOL SECTION
3/8" = 1'-0"



② SPA & TANNING LEDGE SECTION
1/2" = 1'-0"

PIPE SIZE LEGEND

- 1"
- 1½"
- 2"
- 2½"
- 3"
- 4"
- 6"
- 8"
- 10"



Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
A-3	Equipment Name	Jandy	Model Number	1
C-1	Equipment Name	Misc	Model Number	1
C-2	Equipment Name	Misc	Model Number	1
C-4	Equipment Name	IPS	Model Number	2
E-1	Equipment Name	Jandy	Model Number	1
E-2	Equipment Name	Intermatic	Model Number	4
F-1	Equipment Name	Jandy	Model Number	4
H-2	Equipment Name	Jandy	Model Number	2
P-1	Equipment Name	Jandy	Model Number	8
P-2	Equipment Name	Stenner	Model Number	4
P-3	Equipment Name	Jandy	Model Number	2
U-2	Equipment Name	Paramount	Model Number	2
V-4	Equipment Name	Jandy	Model Number	8
V-6	Equipment Name	Jandy	Model Number	12
V-15	Equipment Name	Jandy	Model Number	4
V-16	Equipment Name	Jandy	Model Number	5
V-21	Equipment Name	Jandy	Model Number	10
V-26	Equipment Name	Jandy	Model Number	2
V-35	Equipment Name	Asahi	Model Number	10



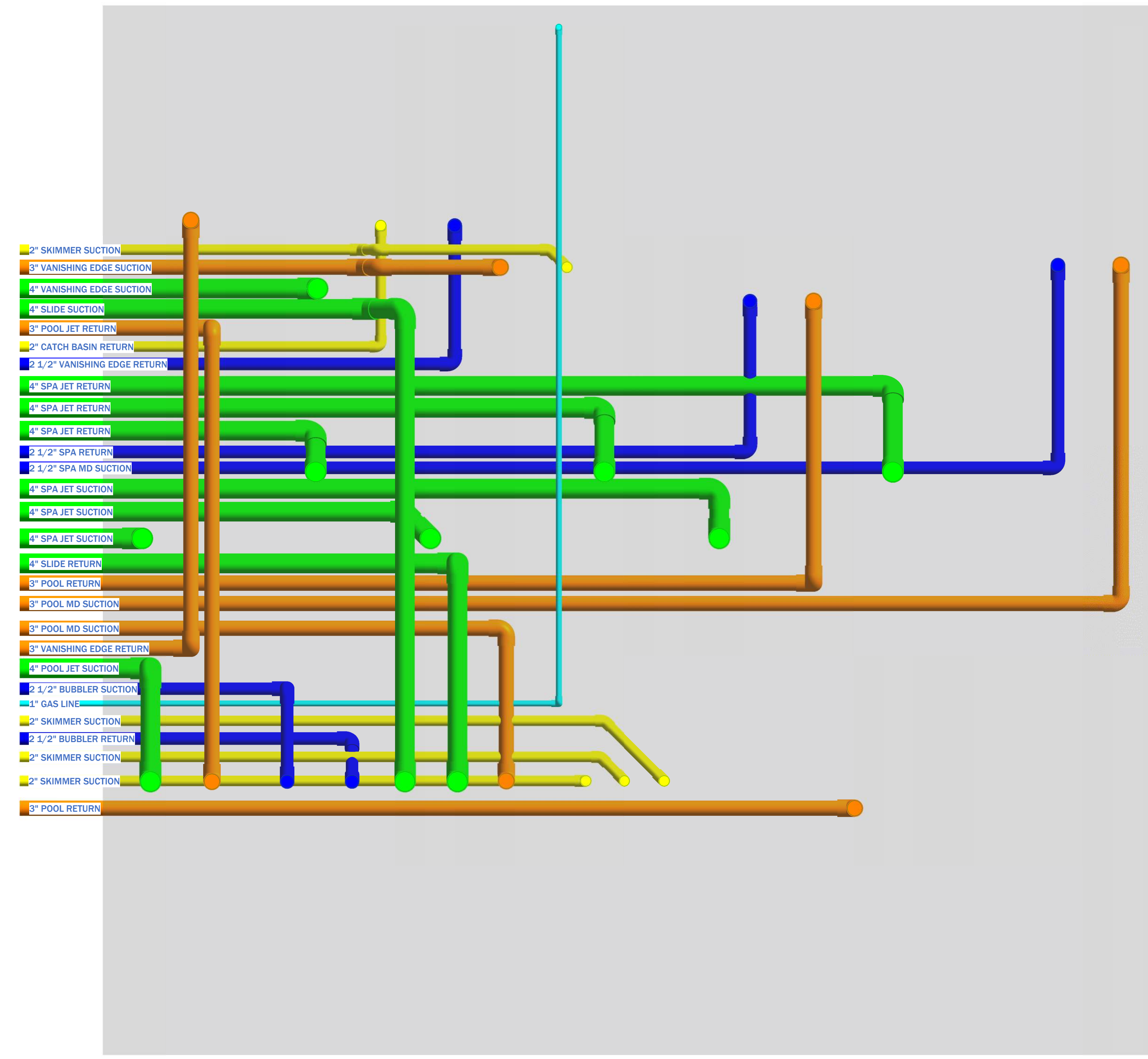
**IAD HYDRAULIC DESIGN SAMPLE
TIER 3**

PIPE SIZE LEGEND

- 1"
- 1½"
- 2"
- 2½"
- 3"
- 4"
- 6"
- 8"
- 10"



① EQUIPMENT STUB-UP PIPING PLAN
3/4" = 1'-0"



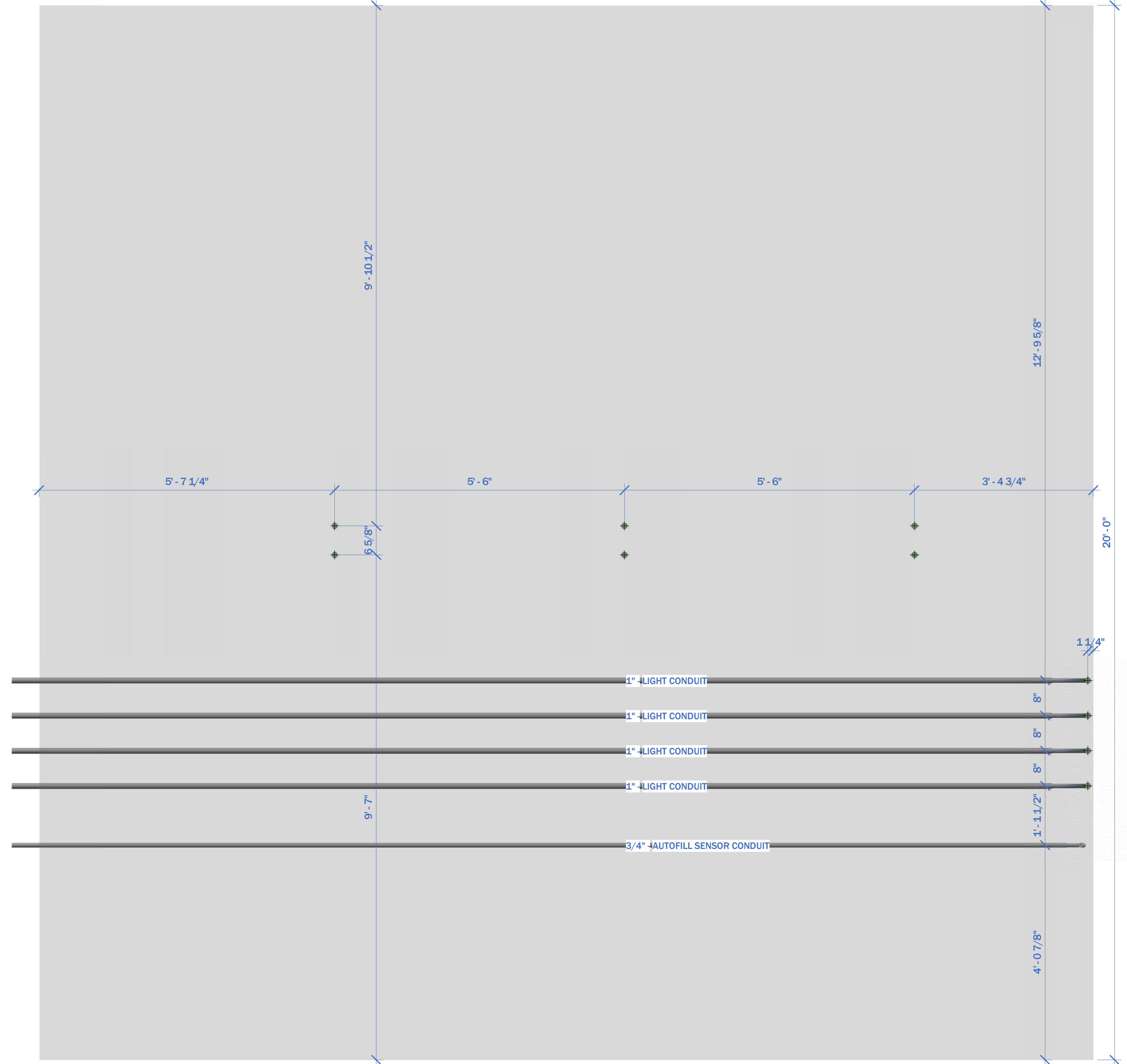
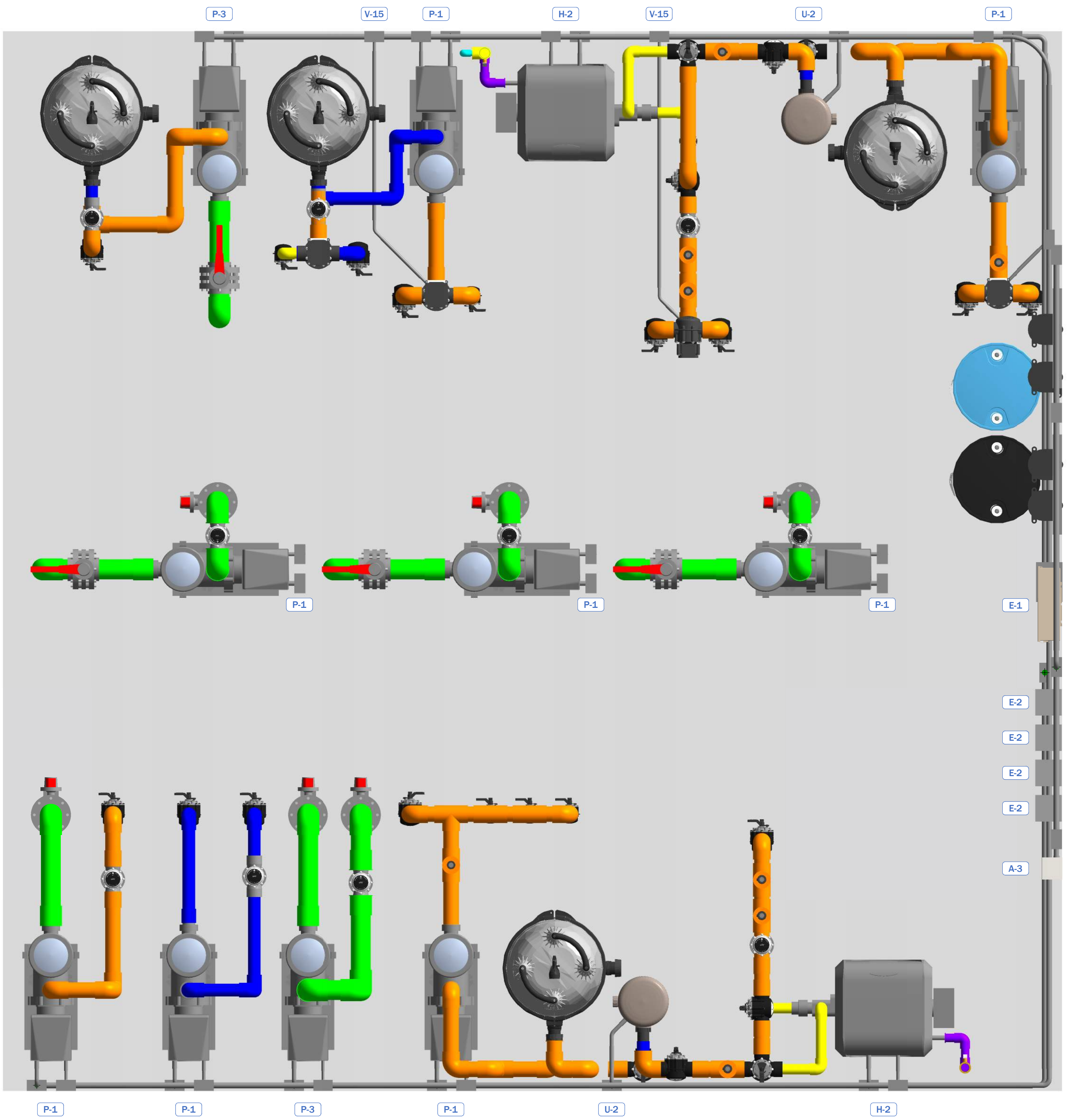
② EQUIPMENT SUB-SLAB PIPING PLAN
3/4" = 1'-0"

**IAD HYDRAULIC DESIGN SAMPLE
TIER 3**

PIPE SIZE LEGEND

- 1"
- 1½"
- 2"
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- 3"
- 4"
- 6"
- 8"
- 10"

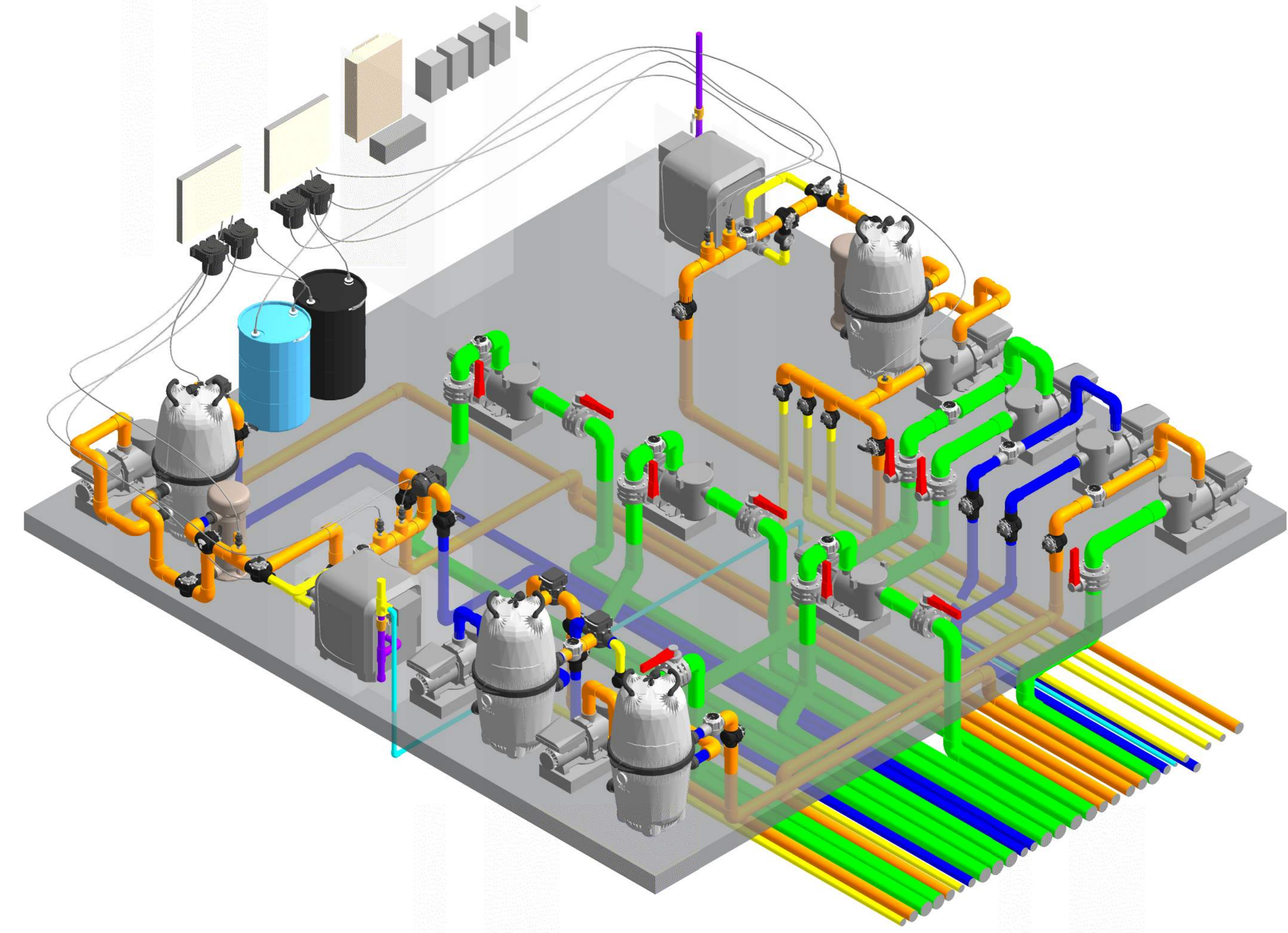
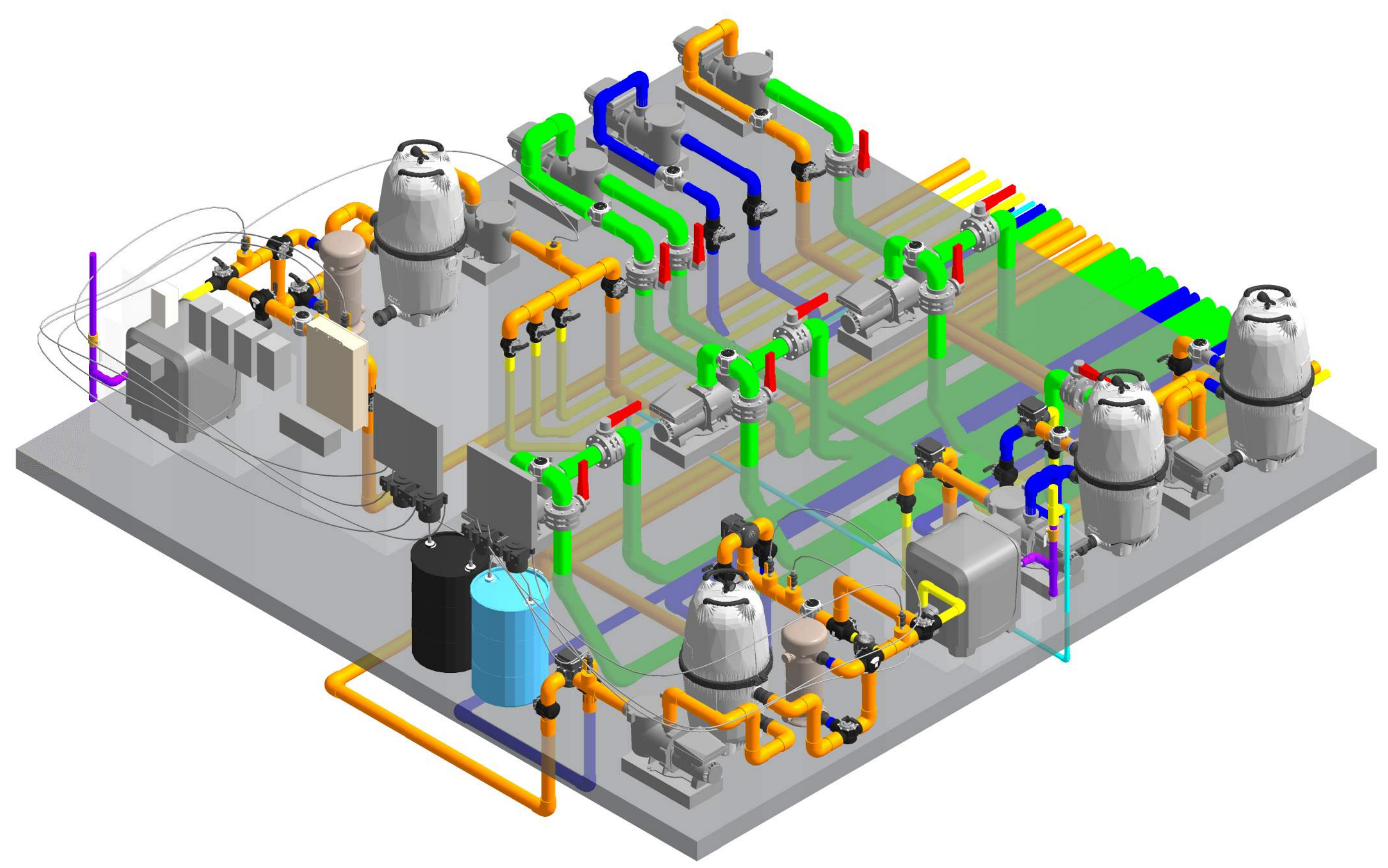
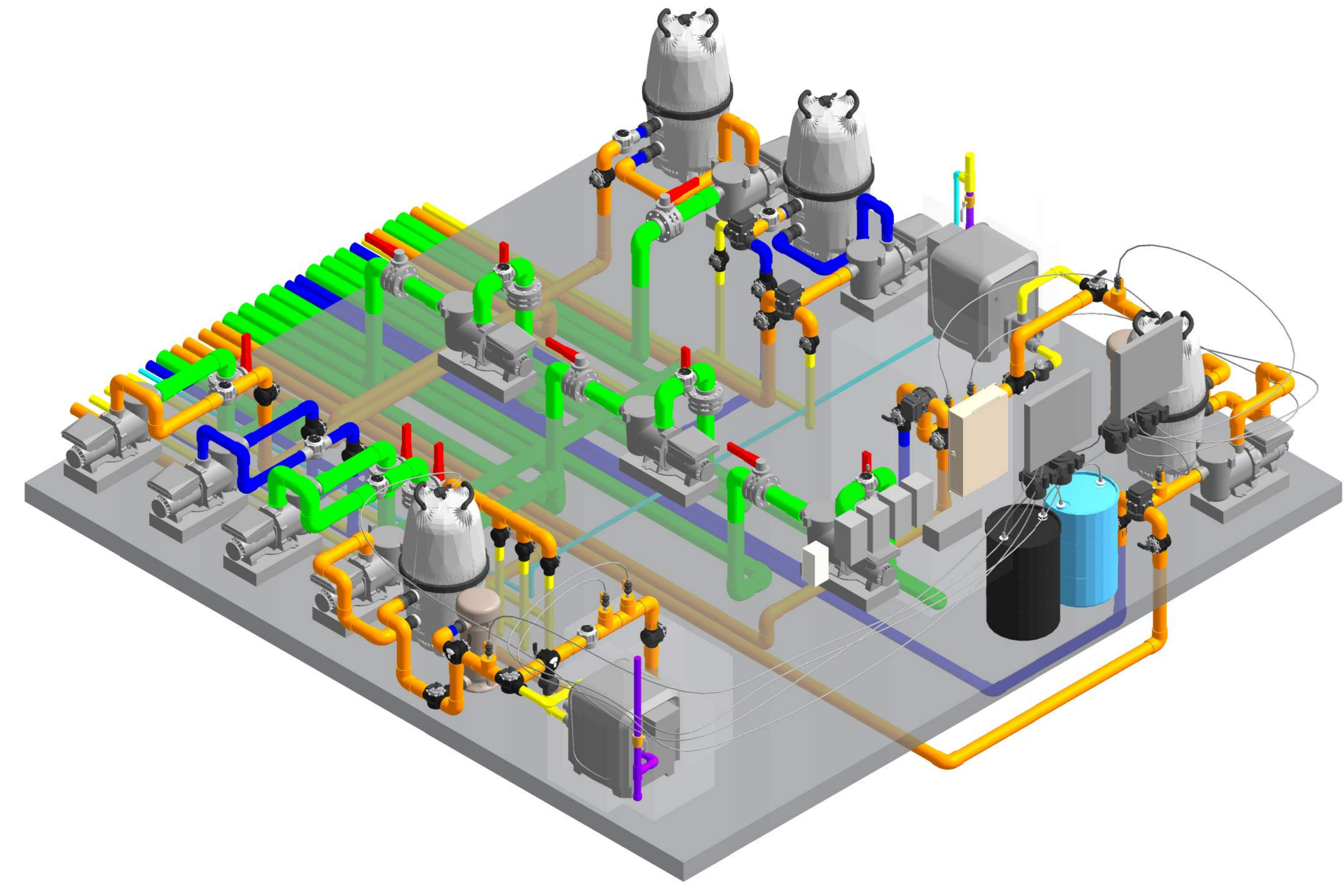
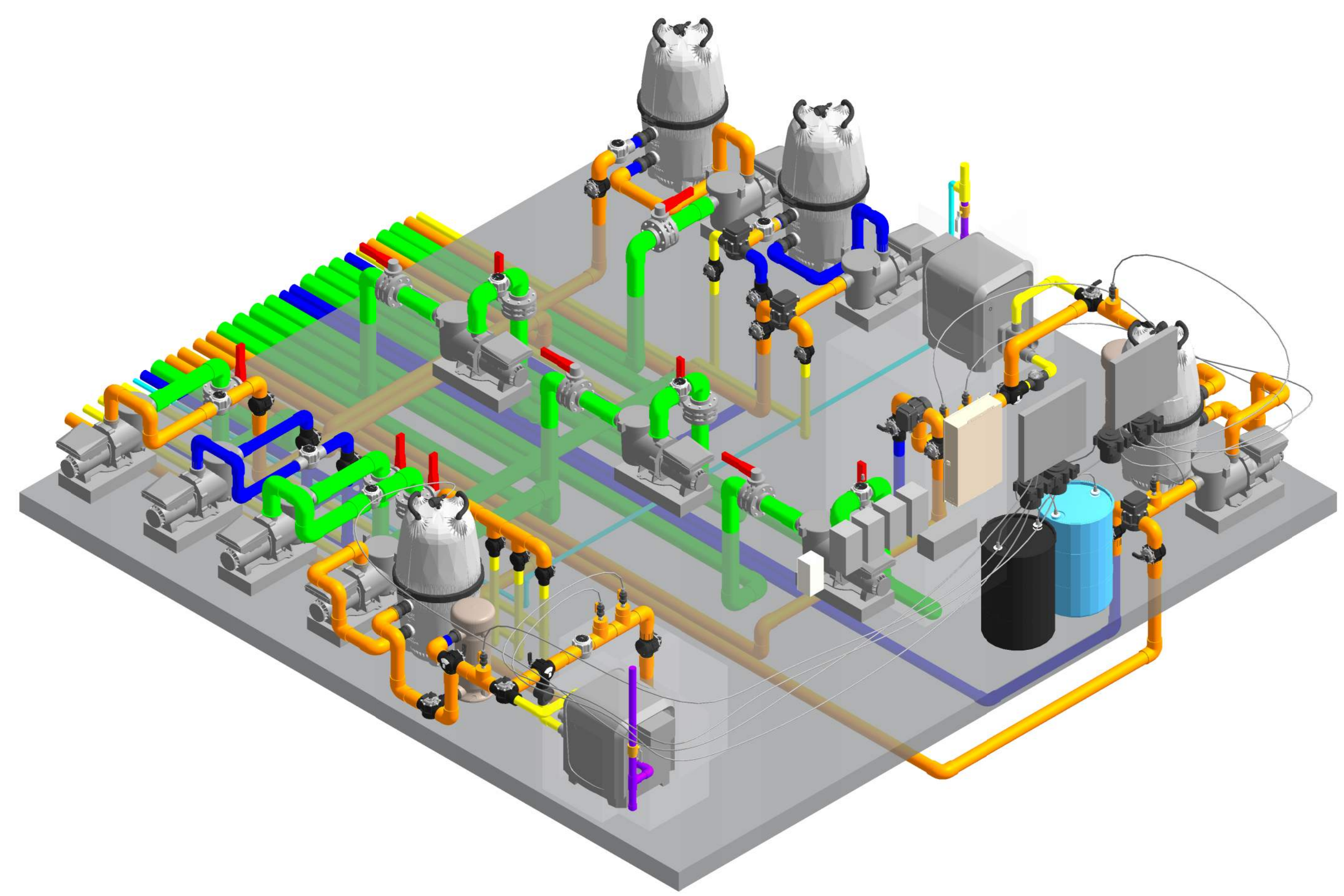
Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
A-3	Equipment Name	Jandy	Model Number	1
C-1	Equipment Name	Misc	Model Number	1
C-2	Equipment Name	Misc	Model Number	1
C-4	Equipment Name	IPS	Model Number	2
E-1	Equipment Name	Jandy	Model Number	1
E-2	Equipment Name	Intematic	Model Number	4
F-1	Equipment Name	Jandy	Model Number	4
H-2	Equipment Name	Jandy	Model Number	2
P-1	Equipment Name	Jandy	Model Number	8
P-2	Equipment Name	Stenner	Model Number	4
P-3	Equipment Name	Jandy	Model Number	2
U-2	Equipment Name	Paramount	Model Number	2
V-4	Equipment Name	Jandy	Model Number	8
V-6	Equipment Name	Jandy	Model Number	12
V-15	Equipment Name	Jandy	Model Number	4
V-16	Equipment Name	Jandy	Model Number	5
V-21	Equipment Name	Jandy	Model Number	10
V-26	Equipment Name	Jandy	Model Number	2
V-35	Equipment Name	Asahi	Model Number	10

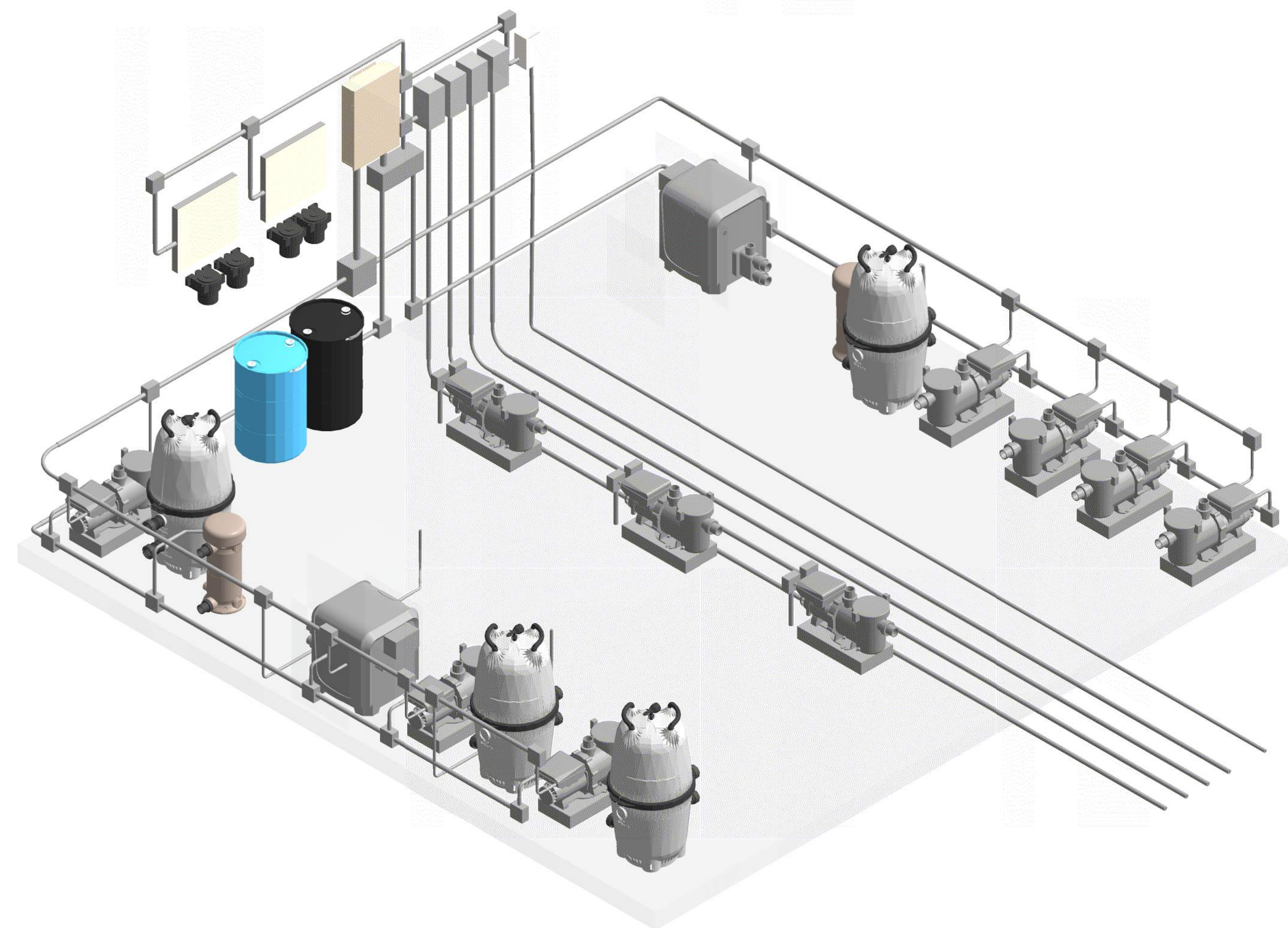
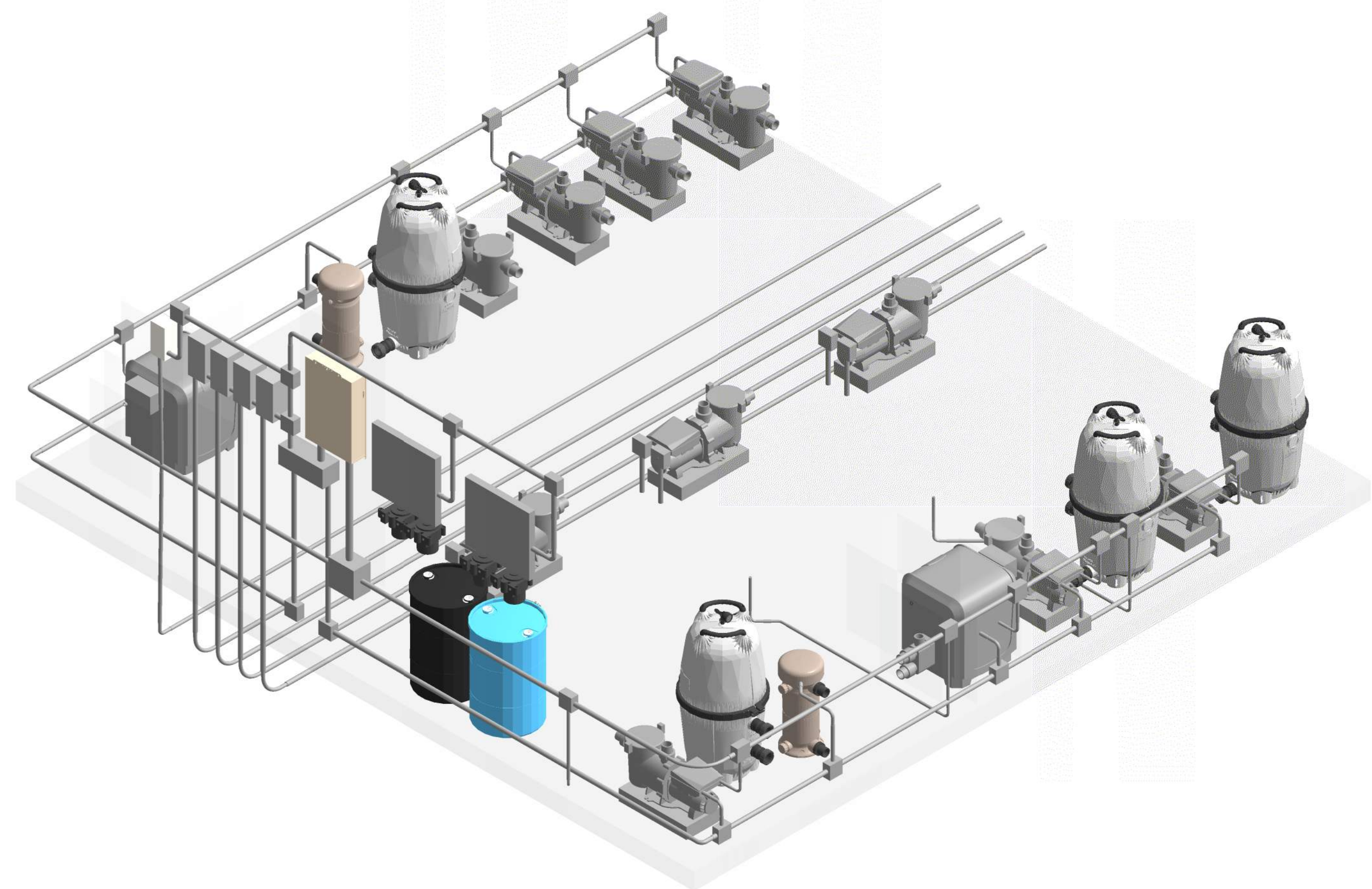
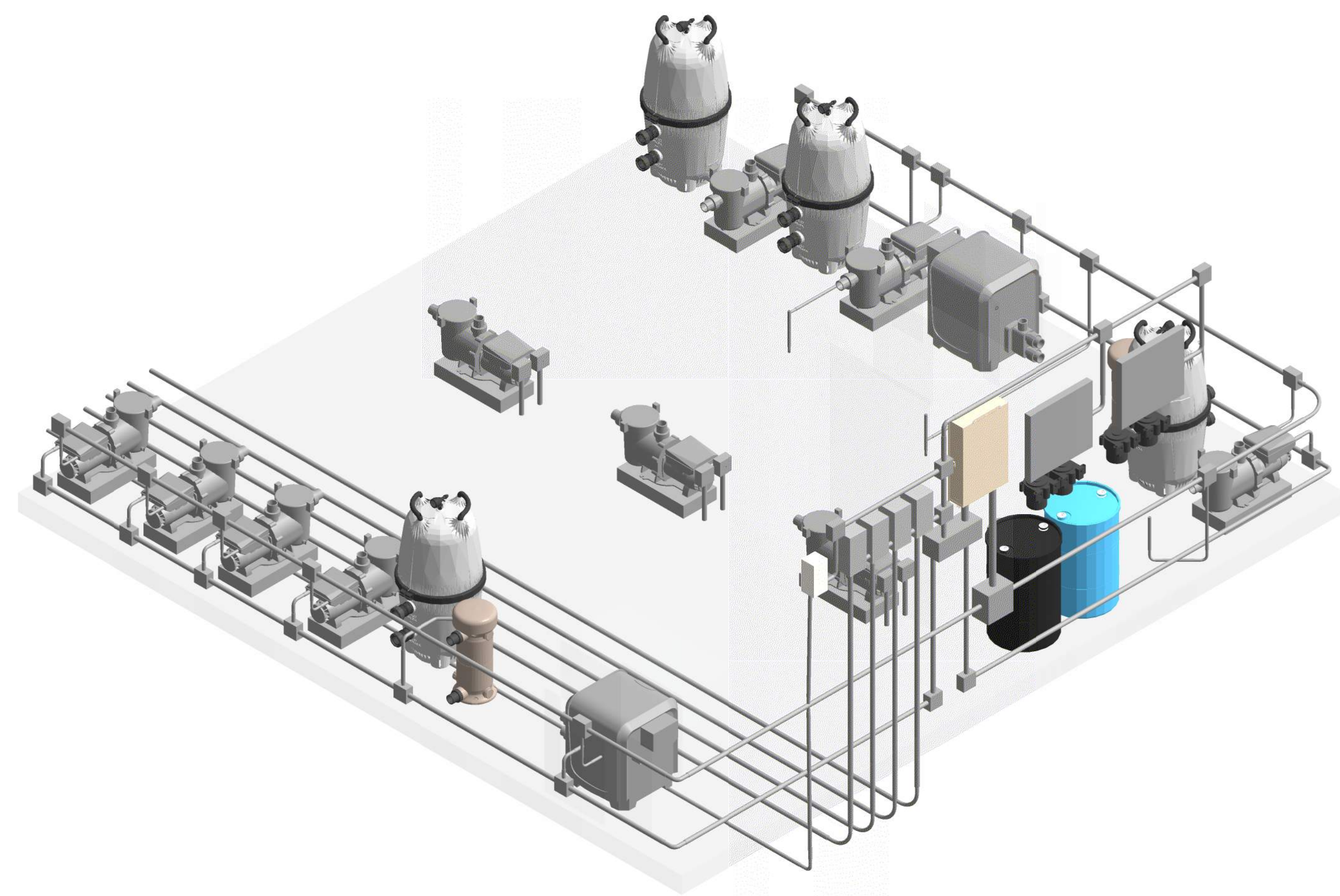
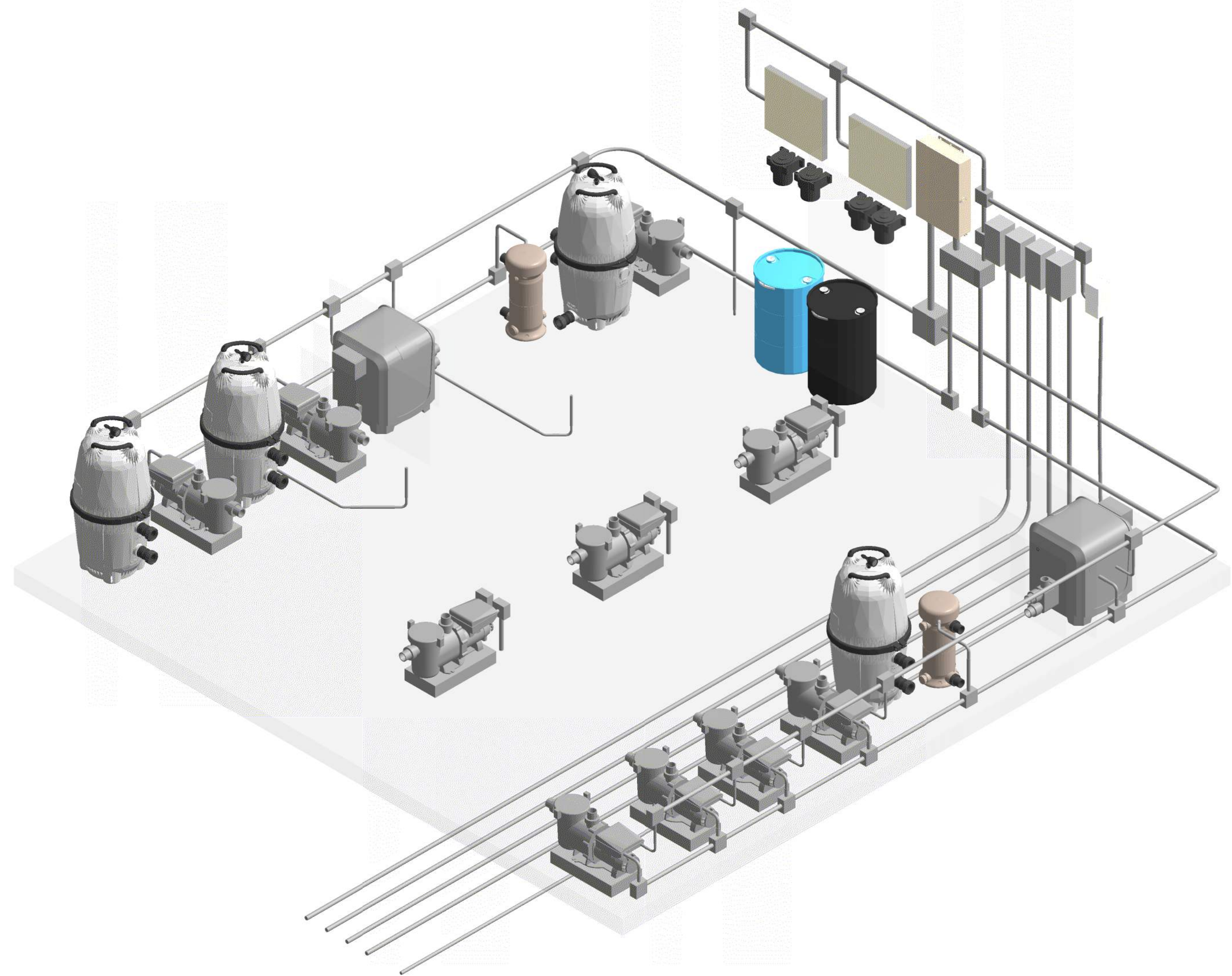


**IAD HYDRAULIC DESIGN SAMPLE
TIER 3**

PIPE SIZE
LEGEND

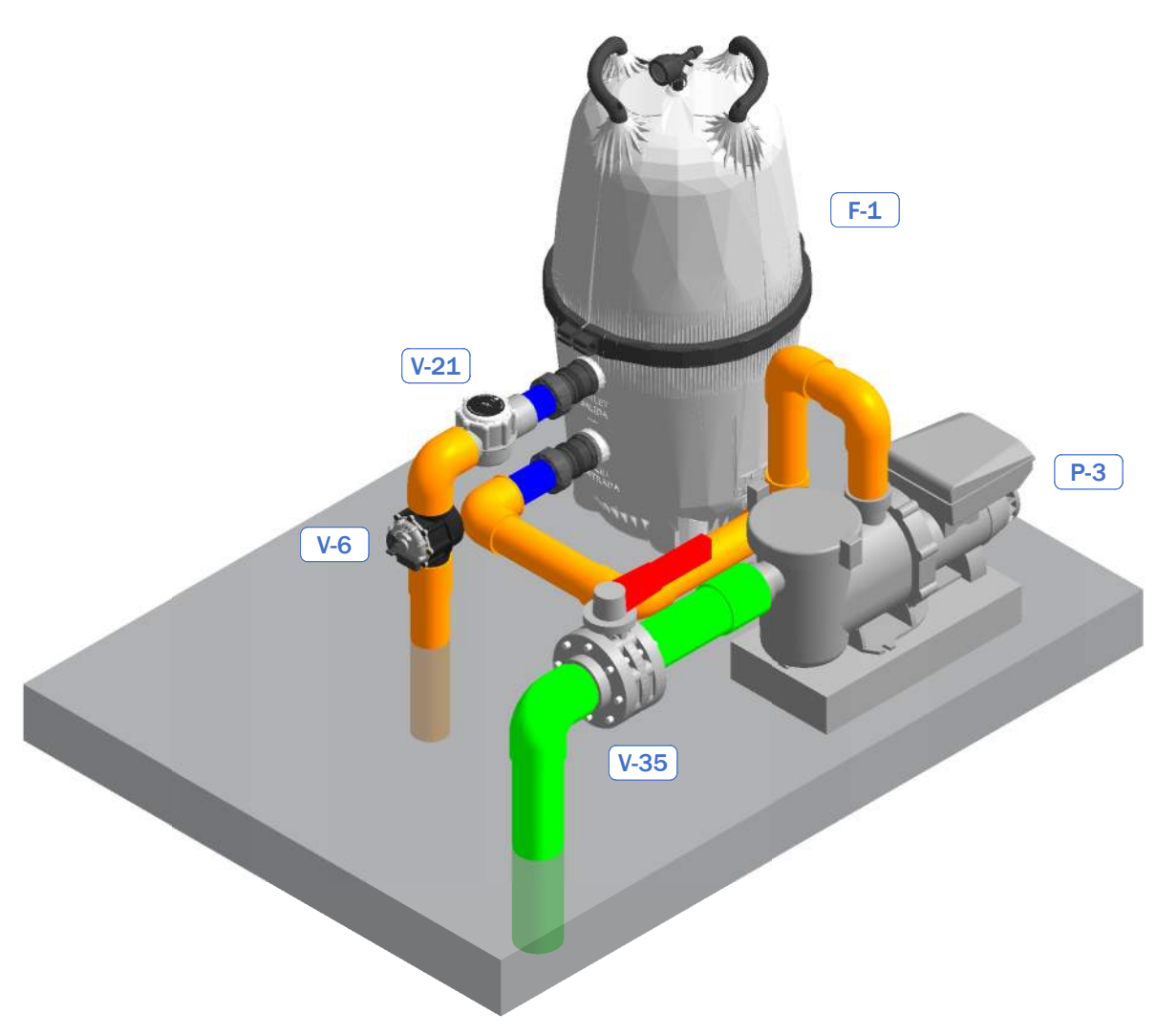
- 1"
- 1½"
- 2"
- 2½"
- 3"
- 4"
- 6"
- 8"
- 10"



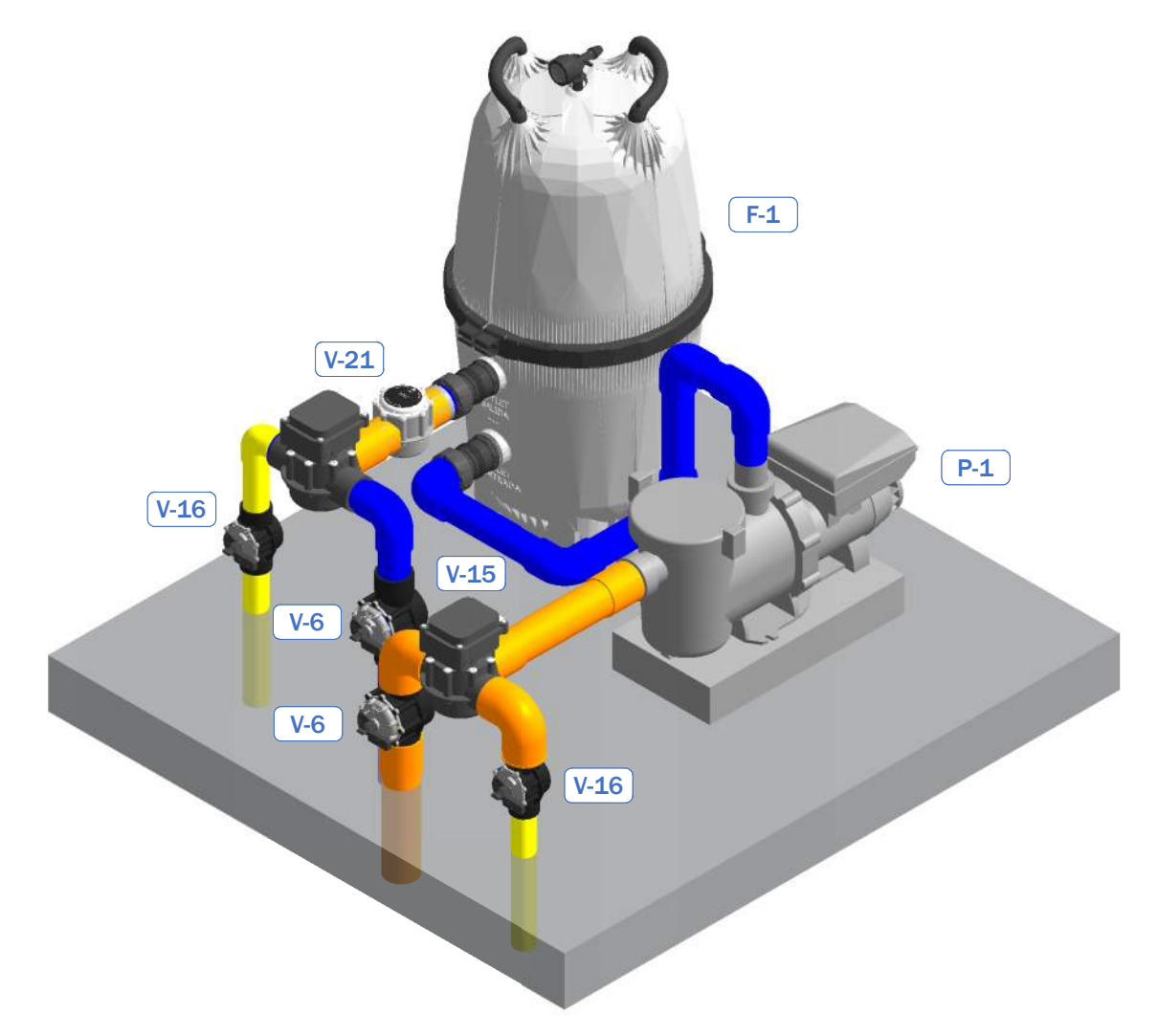


PIPE SIZE LEGEND

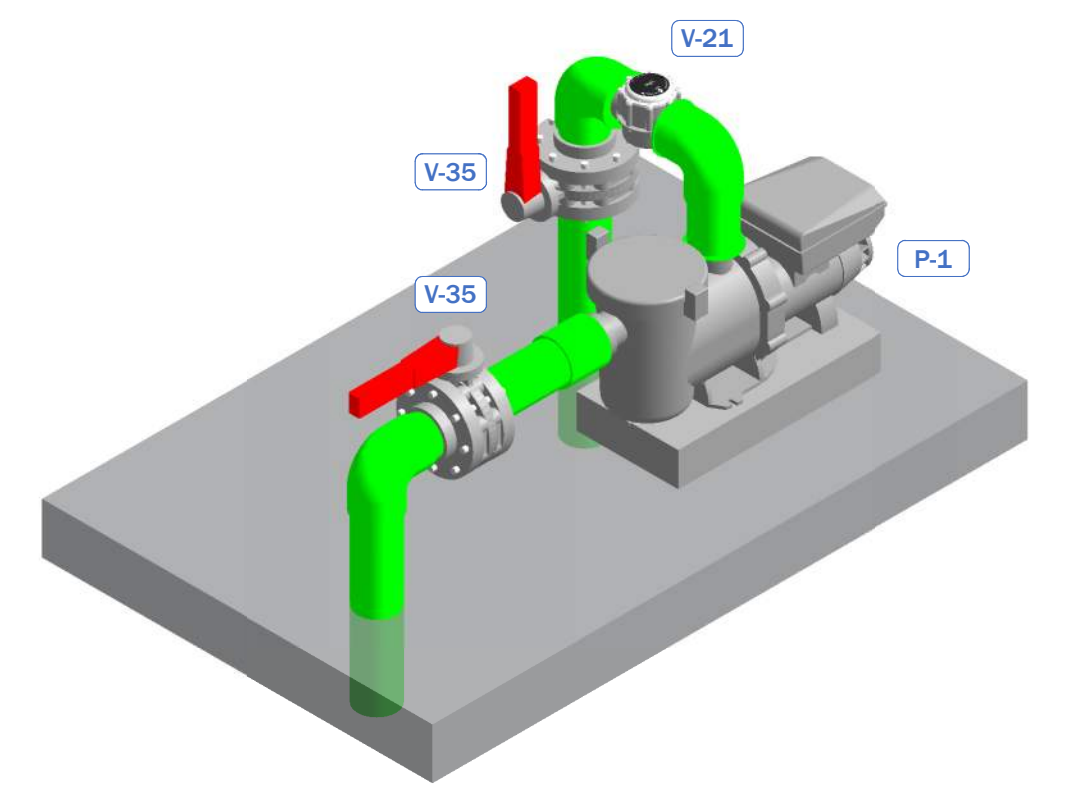
- 1"
- 1½"
- 2"
- 2½"
- 3"
- 4"
- 6"
- 8"
- 10"



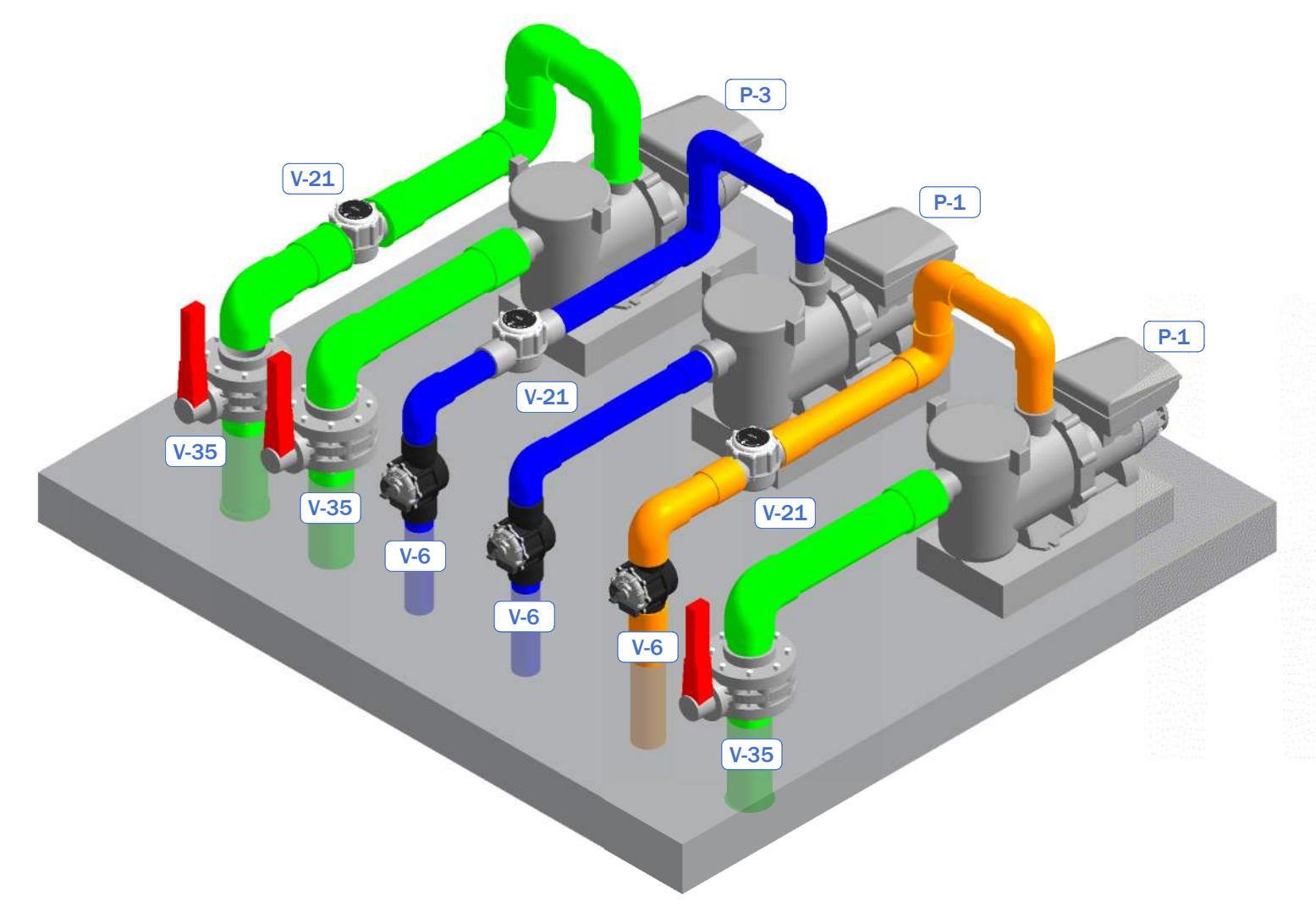
1 POOL VANISHING EDGE SYSTEM



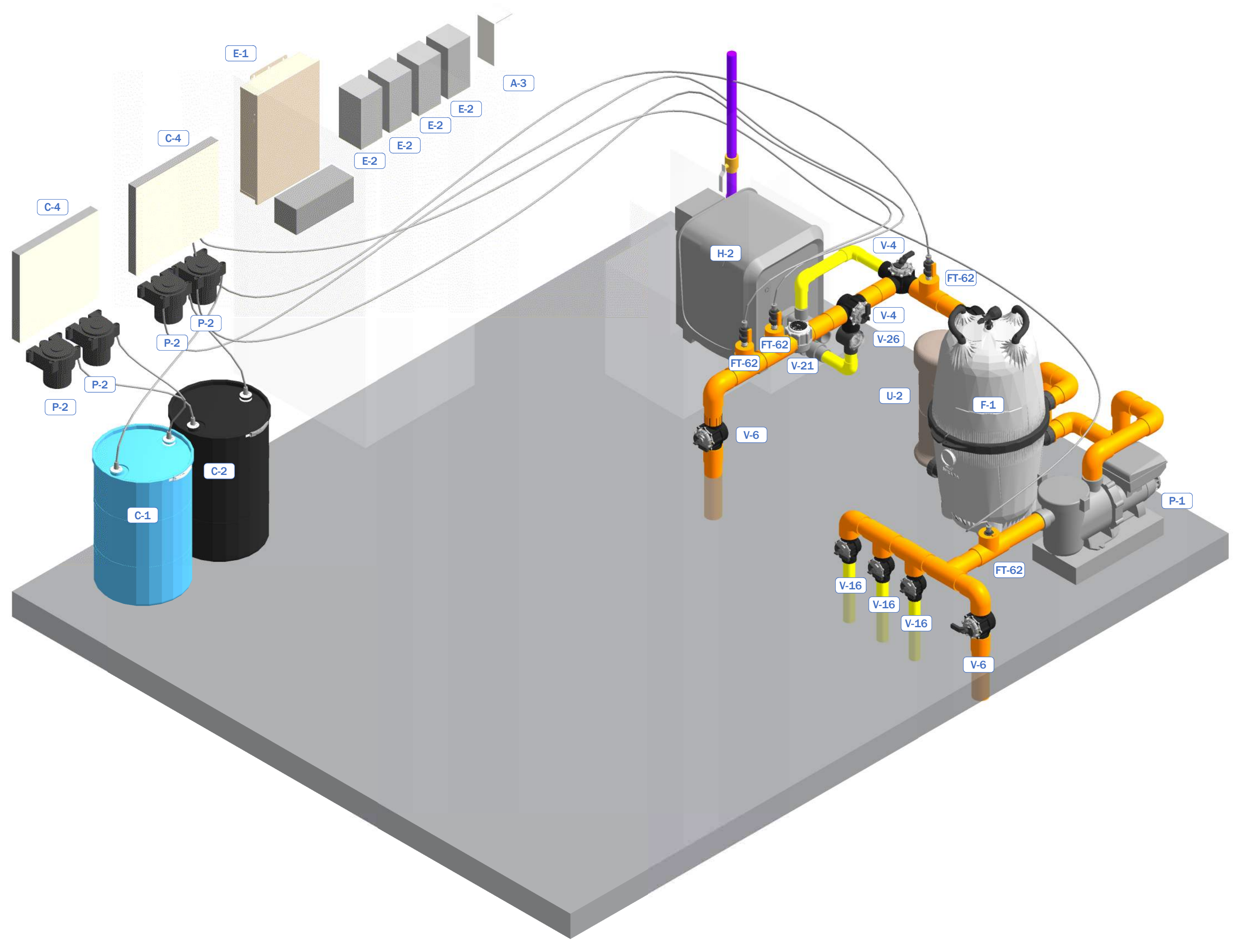
2 POOL & SPA VANISHING EDGE SYSTEM



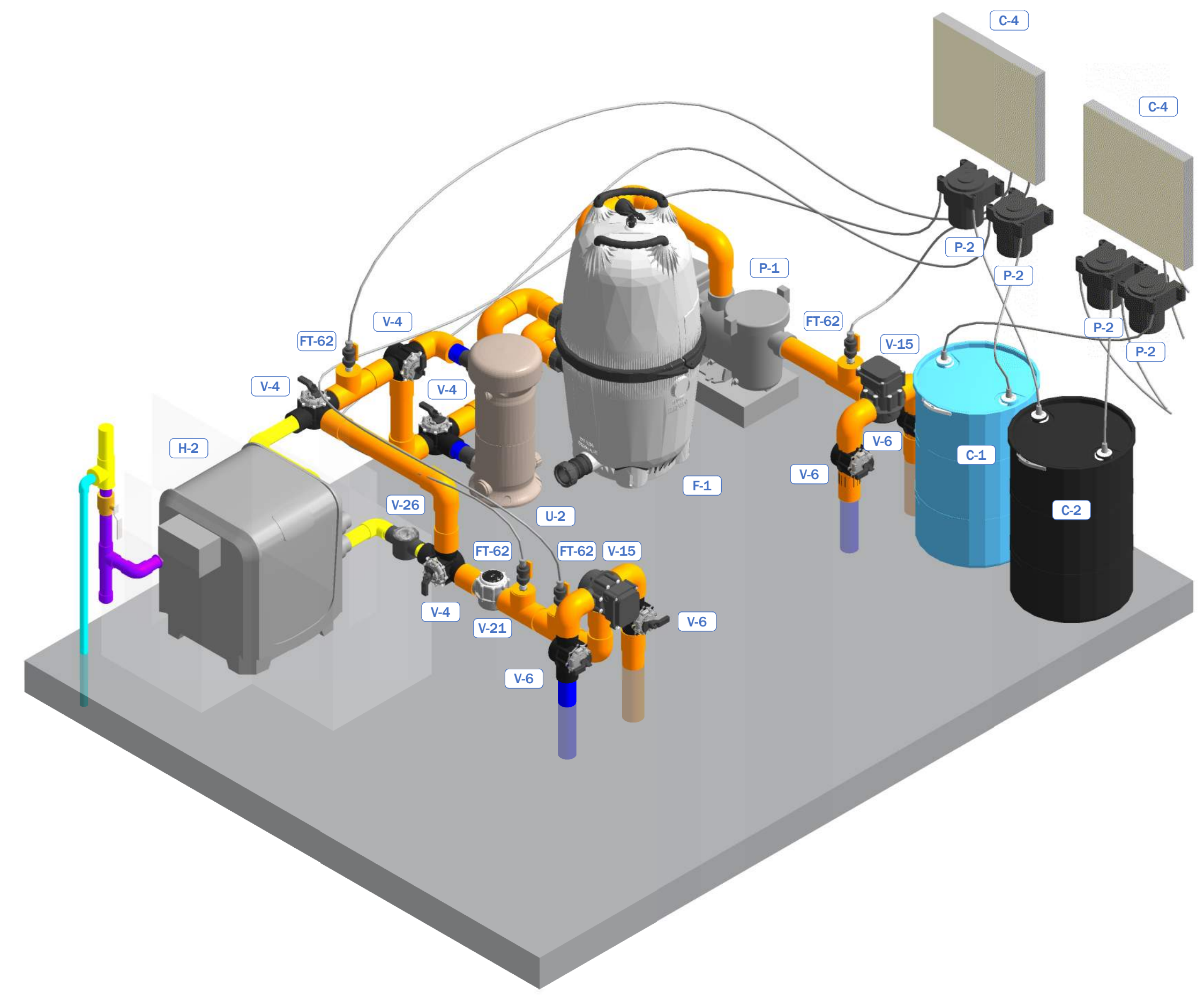
3 SPA JET SYSTEM (TYP. OF 3)



4 POOL JET, BUBBLER, AND SLIDE SYSTEMS



5 POOL CIRCULATION SYSTEM



6 POOL & SPA CIRCULATION SYSTEM

Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
A-3	Equipment Name	Jandy	Model Number	1
C-1	Equipment Name	Misc	Model Number	1
C-2	Equipment Name	Misc	Model Number	1
C-4	Equipment Name	IPS	Model Number	2
E-1	Equipment Name	Jandy	Model Number	1
E-2	Equipment Name	Intermatic	Model Number	4
F-1	Equipment Name	Jandy	Model Number	4
H-2	Equipment Name	Jandy	Model Number	2
P-1	Equipment Name	Jandy	Model Number	8
P-2	Equipment Name	Stenner	Model Number	4
P-3	Equipment Name	Jandy	Model Number	2
U-2	Equipment Name	Paramount	Model Number	2
V-4	Equipment Name	Jandy	Model Number	8
V-6	Equipment Name	Jandy	Model Number	12
V-15	Equipment Name	Jandy	Model Number	4
V-16	Equipment Name	Jandy	Model Number	5
V-21	Equipment Name	Jandy	Model Number	10
V-26	Equipment Name	Jandy	Model Number	2
V-35	Equipment Name	Asahi	Model Number	10

Equipment Schedule					Pipe Fitting Schedule by Phase			Pipe Schedule by Phase		
Keynote	Type	Manufacturer	Model #	Quantity	Fitting type	Size	Count	Pipe Type	Size	Length
A-3	Equipment Name	Jandy	Model Number	1	Phase 1: Stub-out			Phase 1: Stub-out		
C-1	Equipment Name	Misc	Model Number	1	Coupling - PVC	4"-4"	2	PVC - SCH 40	1 1/2"	13'
C-2	Equipment Name	Misc	Model Number	1	Elbow - PVC - Sch 40	1 1/2"-1 1/2"	4	PVC - SCH 40	1"	251'
C-4	Equipment Name	IPS	Model Number	2	Elbow - PVC - Sch 40	1"-1"	156	PVC - SCH 40	2 1/2"	545'
E-1	Equipment Name	Jandy	Model Number	1	Elbow - PVC - Sch 40	2 1/2"-2 1/2"	88	PVC - SCH 40	2"	248'
E-2	Equipment Name	Intermatic	Model Number	4	Elbow - PVC - Sch 40	2"-2"	49	PVC - SCH 40	3"	508'
F-1	Equipment Name	Jandy	Model Number	4	Elbow - PVC - Sch 40	3"-3"	66	PVC - SCH 40	3/4"	75'
H-2	Equipment Name	Jandy	Model Number	2	Elbow - PVC - Sch 40	3/4"-3/4"	3	PVC - SCH 40	4"	873'
P-1	Equipment Name	Jandy	Model Number	8	Reducer - PVC - Sch 40	4"-4"	113			
P-2	Equipment Name	Stenner	Model Number	4	Reducer Bushing	4"-2"	1	Phase 2: Pipe Trenches		
P-3	Equipment Name	Jandy	Model Number	2	Reducer Bushing	1"-3/4"	2	PVC - SCH 40	1"	33'
U-2	Equipment Name	Paramount	Model Number	2	Reducer Bushing	2 1/2"-1 1/2"	12	PVC - SCH 40	2 1/2"	257'
V-4	Equipment Name	Jandy	Model Number	8	Reducer Bushing	2"-1 1/2"	3	PVC - SCH 40	2"	227'
V-6	Equipment Name	Jandy	Model Number	12	Reducer Bushing	3"-1"	8	PVC - SCH 40	3"	307'
V-15	Equipment Name	Jandy	Model Number	4	Reducer Bushing	3"-2 1/2"	15	PVC - SCH 40	4"	289'
V-16	Equipment Name	Jandy	Model Number	5	Reducer Bushing	4"-1"	24			
V-21	Equipment Name	Jandy	Model Number	10	Reducer Bushing	4"-3"	6	Phase 3: Pool Equipment Room		
V-26	Equipment Name	Jandy	Model Number	2	Tee - PVC - Sch 40	1"-1"-1"	37	PVC - SCH 40	1 1/2"	5'
V-35	Equipment Name	Asahi	Model Number	10	Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	14	PVC - SCH 40	1"	17'
					Tee - PVC - Sch 40	2"-2"-2"	2	PVC - SCH 40	2 1/2"	32'
					Tee - PVC - Sch 40	3"-3"-3"	23	PVC - SCH 40	2"	24'
					Tee - PVC - Sch 40	4"-4"-4"	27	PVC - SCH 40	3"	68'
								PVC - SCH 40	4"	64'

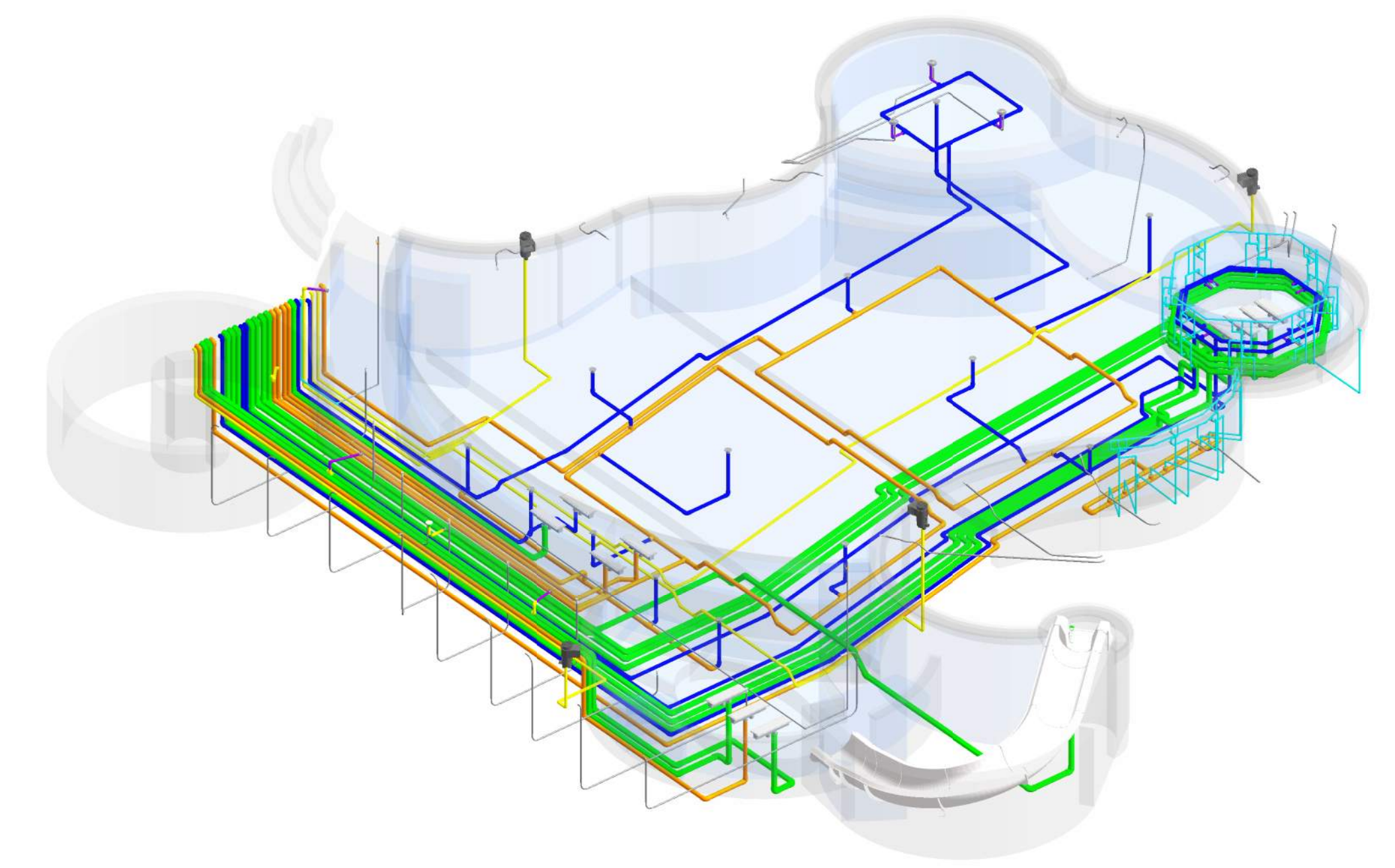
Pool Fitting Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
FF-1	Equipment Name	A&A	Model Number	11
FF-3	Equipment Name	AquaStar	Model Number	4
FF-4	Equipment Name	Aquastar	Model Number	4
FF-17	Equipment Name	Waterway	Model Number	32
FF-20	Equipment Name	Jandy	Model Number	3
FF-60	Equipment Name	Color Match	Model Number	13
L-3	Equipment Name	Jandy	Model Number	25
L-7	Equipment Name	Jandy	Model Number	3
V-53	Equipment Name	Watts	Model Number	2

Pipe Fitting Schedule		
Fitting type	Size	Count
Cap - PVC - Sch 40	1 1/2"	2
Chemical Drum Insert Fitting	3/4"-3/8"	5
Chemical Drum Insert Fitting	5/8"-3/8"	1
Coupling - Generic	3/8"-3/8"	3
Coupling - PVC	2 1/2"-2 1/2"	1
Coupling - PVC	3"-3"	21
Coupling - PVC	4"-4"	10
Coupling - PVC1	3"-3"	9
Elbow - PVC - Sch 40	1 1/2"-1 1/2"	6
Elbow - PVC - Sch 40	1"-1"	160
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	124
Elbow - PVC - Sch 40	2"-2"	71
Elbow - PVC - Sch 40	3"-3"	138
Elbow - PVC - Sch 40	3/4"-3/4"	3
Elbow - PVC - Sch 40	4"-4"	150
Reducer - PVC - Sch 40	4"-2"	1
Reducer Bushing	1 1/2"-3/4"	2
Reducer Bushing	1"-3/4"	2
Reducer Bushing	2 1/2"-1 1/2"	12
Reducer Bushing	2 1/2"-2"	11
Reducer Bushing	2"-1 1/2"	5
Reducer Bushing	2"-1"	1
Reducer Bushing	3"-1"	9
Reducer Bushing	3"-2 1/2"	22
Reducer Bushing	3"-2"	7
Reducer Bushing	3"-3/8"	3
Reducer Bushing	4"-2"	4
Reducer Bushing	4"-3"	8
SPG x FIPT Reducer Bushing	1"-3/8"	2
SPG x FIPT Reducer Bushing	3"-1"	4
SPG x FIPT Reducer Bushing	3"-3/8"	2
Tee - PVC - Sch 40	1 1/2"-1 1/2"-1 1/2"	2
Tee - PVC - Sch 40	1"-1"-1"	37
Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	15
Tee - PVC - Sch 40	2"-2"-2"	5
Tee - PVC - Sch 40	3"-3"-3"	35
Tee - PVC - Sch 40	4"-4"-4"	27

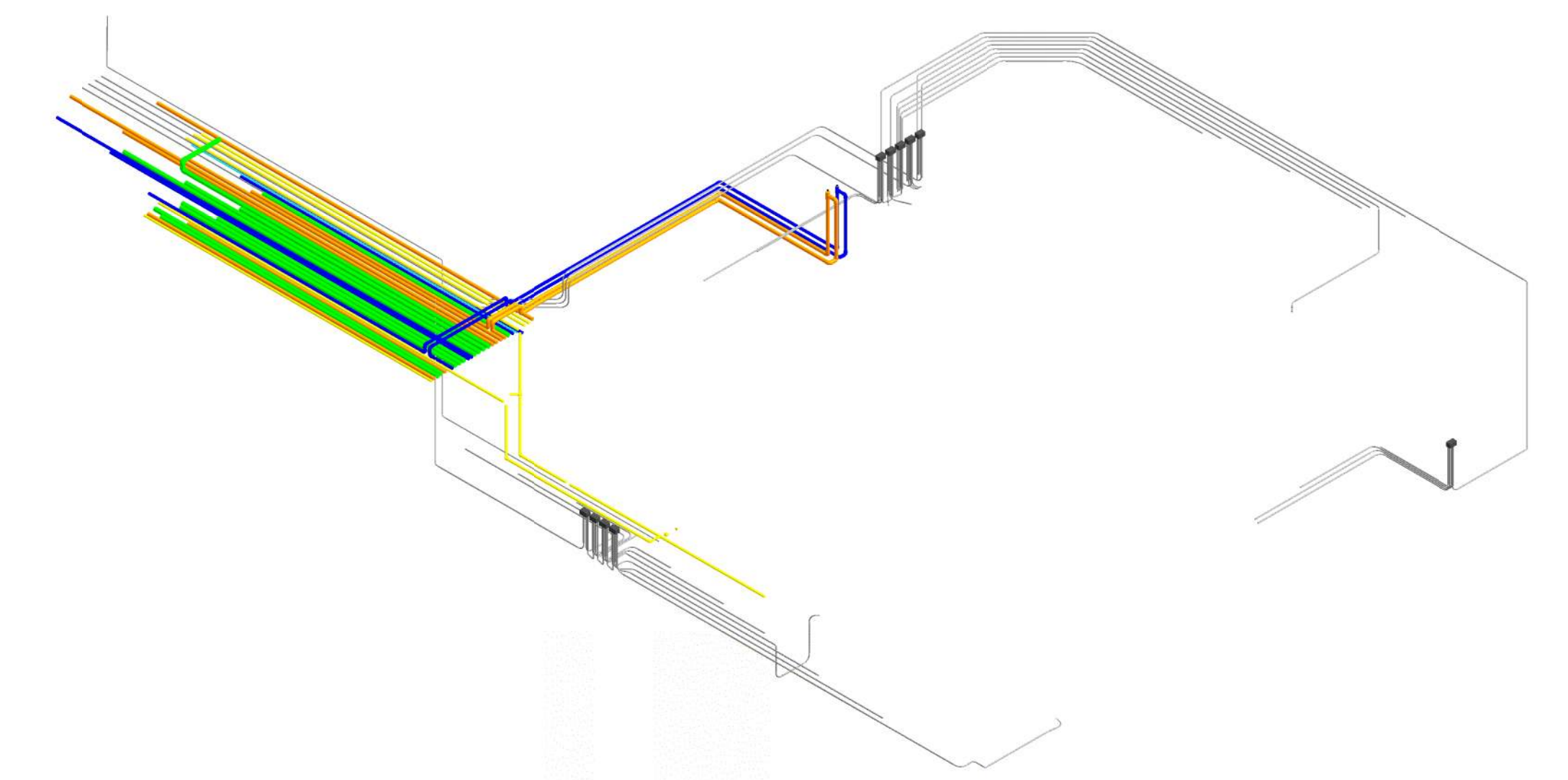
Pipe Schedule			
Size	Type	Length	
1 1/2"	PVC - SCH 40	17'	
1"	PVC - SCH 40	301'	
2 1/2"	PVC - SCH 40	834'	
2"	PVC - SCH 40	499'	
3"	PVC - SCH 40	883'	
3/4"	PVC - SCH 40	75'	
4"	PVC - SCH 40	1226'	

Conduit Run Schedule	
Diameter	Length
3/4"	86' - 0"
1"	1693' - 0"
1 1/2"	3' - 0"

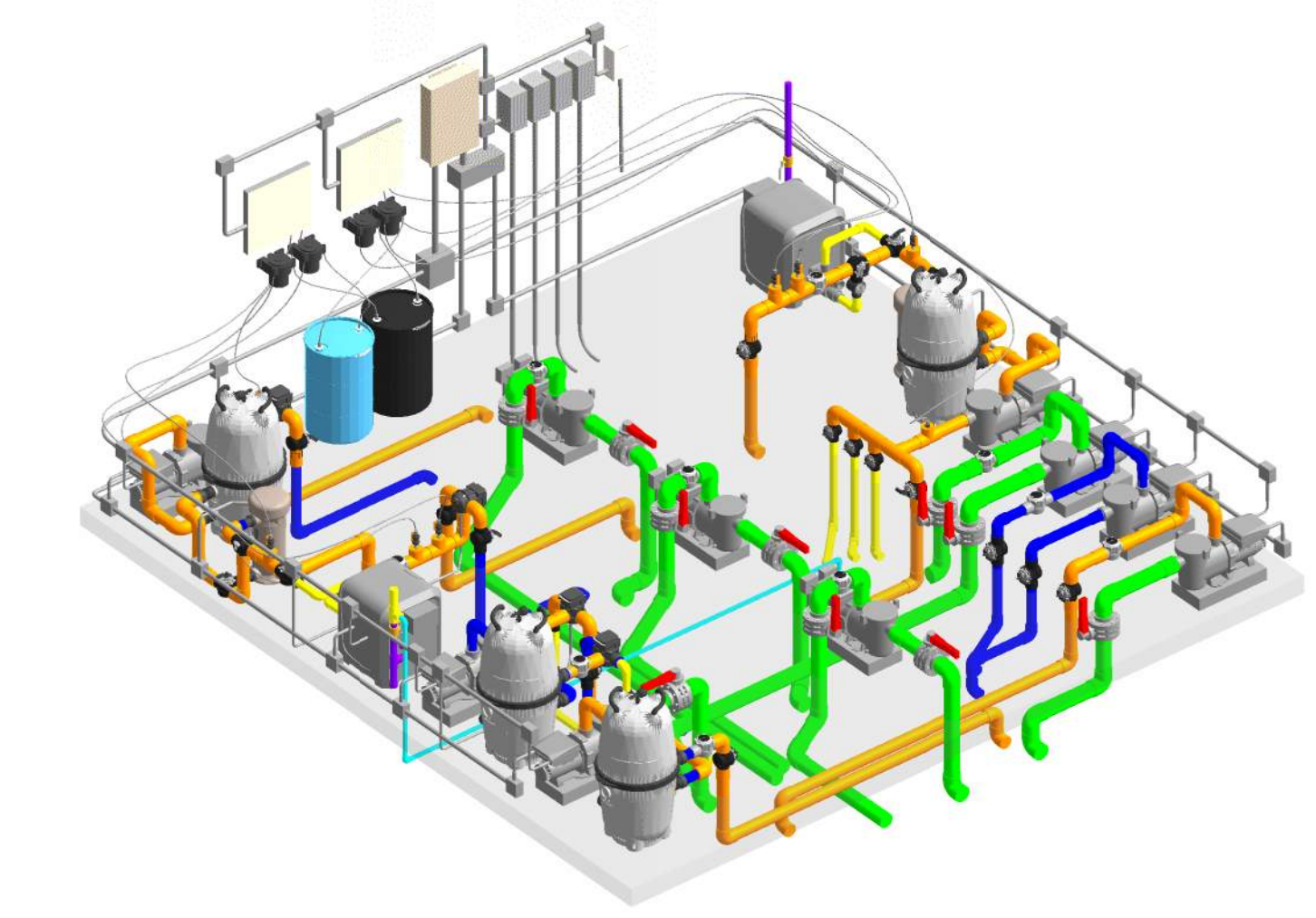
Phase 3: Pool Equipment Room		
Fitting type	Size	Count
Cap - PVC - Sch 40	1 1/2"	2
Chemical Drum Insert Fitting	3/4"-3/8"	5
Chemical Drum Insert Fitting	5/8"-3/8"	1
Coupling - Generic	3/8"-3/8"	3
Coupling - PVC	2 1/2"-2 1/2"	1
Coupling - PVC	3"-3"	21
Coupling - PVC	4"-4"	8
Coupling - PVC1	3"-3"	9
Elbow - PVC - Sch 40	1 1/2"-1 1/2"	2
Elbow - PVC - Sch 40	1"-1"	4
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	22
Elbow - PVC - Sch 40	2"-2"	18
Elbow - PVC - Sch 40	3"-3"	58
Elbow - PVC - Sch 40	4"-4"	35
Reducer Bushing	1 1/2"-3/4"	2
Reducer Bushing	2 1/2"-2"	11
Reducer Bushing	2"-1 1/2"	1
Reducer Bushing	2"-1"	1
Reducer Bushing	3"-1"	1
Reducer Bushing	3"-2 1/2"	7
Reducer Bushing	3"-2"	7
Reducer Bushing	3"-3/8"	3
Reducer Bushing	4"-2"	4
Reducer Bushing	4"-3"	8
SPG x FIPT Reducer Bushing	1"-3/8"	2
SPG x FIPT Reducer Bushing	3"-1"	4
SPG x FIPT Reducer Bushing	3"-3/8"	2
Tee - PVC - Sch 40	1 1/2"-1 1/2"-1 1/2"	2
Tee - PVC - Sch 40	2"-2"-2"	1
Tee - PVC - Sch 40	3"-3"-3"	11



1 Phase 1 - Stub-out
NO SCALE



2 Phase 2 - Pipe Trenches
NO SCALE



3 Phase 3 - Pool Equipment Room
NO SCALE