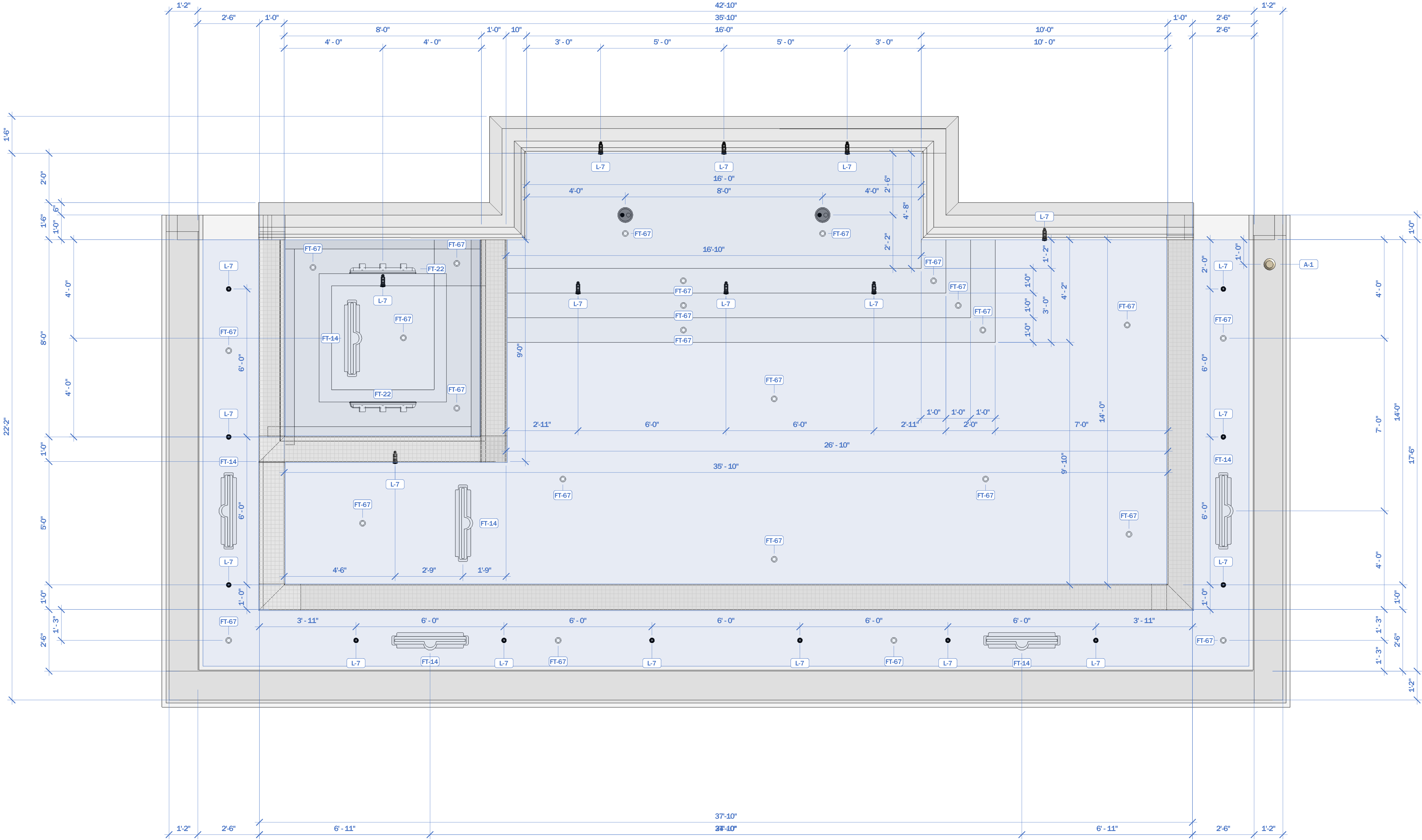




IAD
INNOVATIVE AQUATIC DESIGN


 Project Name
 PROJECT LAYOUT
 1/8" = 1'-0"
 Scale
 SP1
 Issued
 10/1/2025

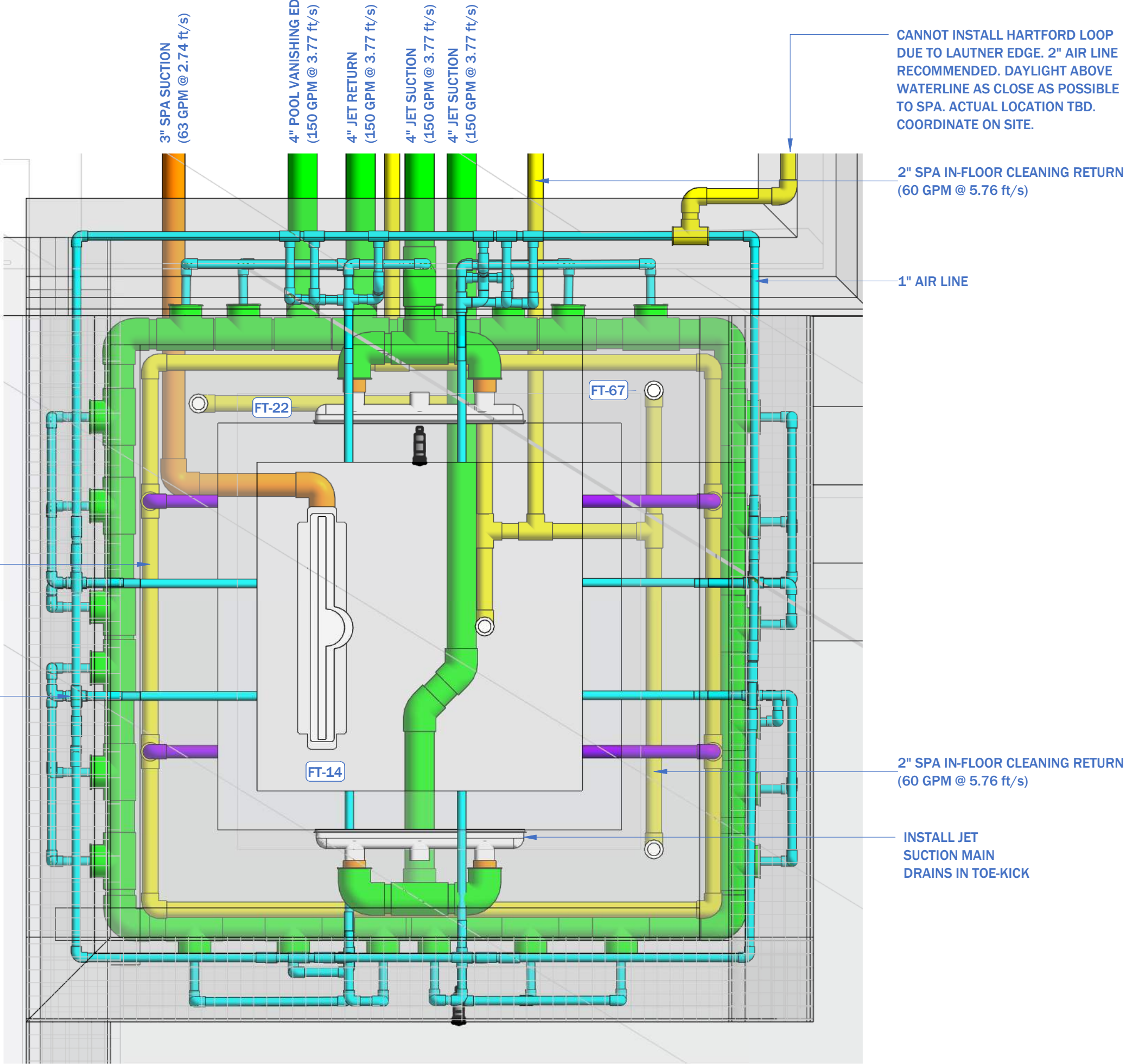
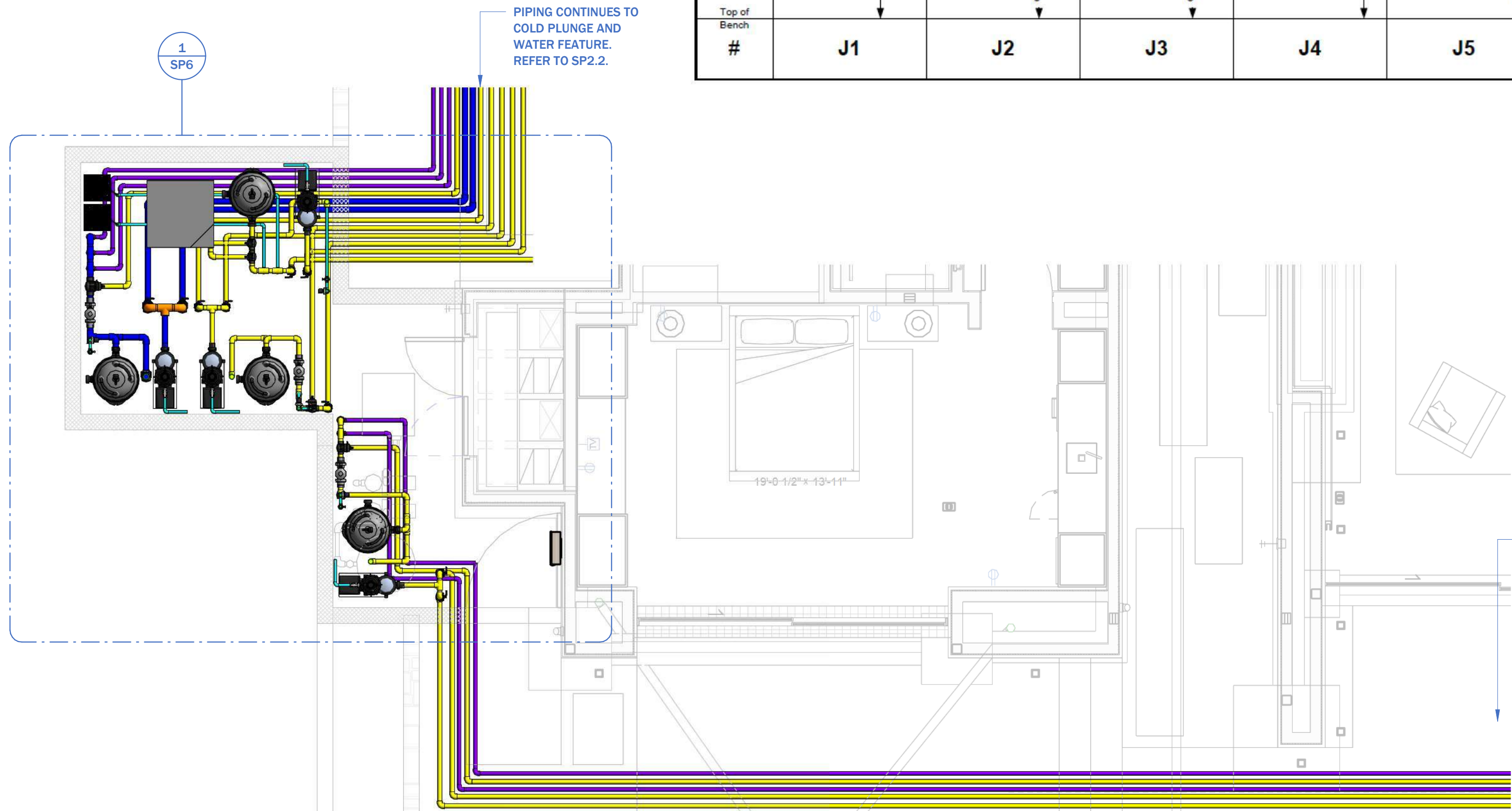
White Goods Schedule (Total)				
Keynote	Type	Manufacturer	Model #	Quantity
Automation & Electrical				
A-1	Levolor Remote Sensor Housing	Jandy	Included	5
L-7	Infinite Watercolors RGBW 15W, 100' Cord	Jandy	IWC15W100	25
Water Features				
FT-20	TruFit Bubbler with Infinite WaterColors LED Light	Jandy	JHCBUB & IWC25W200	7
White Goods				
FT-1	AVSC 32" Pebble Top Debris Removal Channel Drain	A&A	5714XX	2
FT-4	Flush-Mount Eyeball 1.5" Pool Return Fitting	Aquastar	JE31xx	2
FT-14	Collekt LD1 Debris Removal Drain	PUL	LD-1	6
FT-22	VGBA Certified 32" Channel Drain	AquaStar	32CDFLxxx	4
FT-60	Pebble Top Floor Return	Color Match	PTFR-01	6
FT-65	Vacuum Safety Lock Wall Fitting	Aquastar	VLK15T01	3
FT-67	Nozzle Body	PUL	VARIES	25
FT-89	Recessed Steps (Verify Color)	SR Smith	62-209-4001	4



PIPE SIZE
LEGEND

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

Spa Jet Legend						
	1 Upper - High Back	1 Lower	Upper Lower	2 Upper	2 Upper, 1 Lower	1 Upper, 2 Lower
Top of Bond Beam						
Jet Locations						
Top of Bench						
#	J1	J2	J3	J4	J5	J6



2 SPA PIPING PLAN
3/4" = 1'-0"

Pipe Schedule	
Size	Length
1 1/2"	1265'
1"	309'
2 1/2"	592'
2"	2393'
3"	717'
3/4"	0'
4"	634'

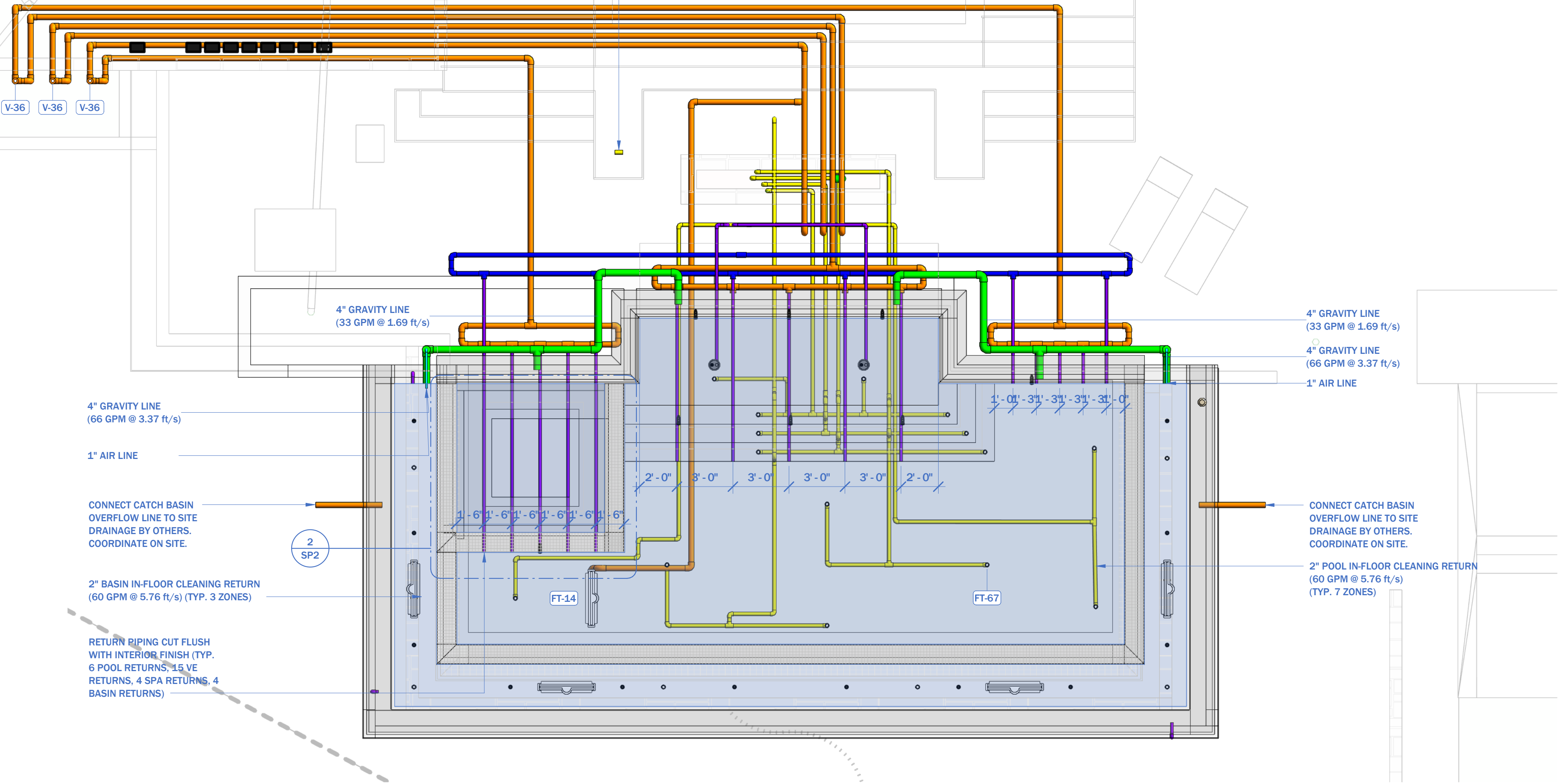
Pipe Schedule by Phase	
Size	Length
Phase 1: Stub-out	
1 1/2"	280'
1"	172'
2 1/2"	91'
2"	713'
3"	75'
4"	277'

Phase 2: Pipe Trenches	
1 1/2"	966'
1"	44'
2 1/2"	459'
2"	1502'
3"	614'
4"	331'

Phase 3: Pool Equipment Room	
1 1/2"	5'
1"	51'
2 1/2"	28'
2"	95'
3"	28'
3/4"	0'
4"	26'

Phase 4: Equipment Pad	
1 1/2"	13'
1"	43'
2 1/2"	13'
2"	84'

Pipe Fitting Schedule		
Fitting type	Size	Count
Coupling - PVC	3"-3"	6
Coupling - PVC	4"-4"	17
Elbow - PVC - Sch 40	1 1/2"-1 1/2"	85
Elbow - PVC - Sch 40	1"-1"	189
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	59
Elbow - PVC - Sch 40	2"-2"	371
Elbow - PVC - Sch 40	3"-3"	125
Elbow - PVC - Sch 40	4"-4"	100
Reducer - PVC - Sch 40	2"-1"	1
Reducer Bushing	1 1/2"-1 1/2"	2
Reducer Bushing	1 5/8"-1 1/2"	10
Reducer Bushing	1"-1"	29
Reducer Bushing	1"-3/8"	8
Reducer Bushing	2 1/2"-1 1/2"	12
Reducer Bushing	2 1/2"-1"	1
Reducer Bushing	2 1/2"-1/2"	4
Reducer Bushing	2 1/2"-2"	23
Reducer Bushing	2"-1 1/2"	13
Reducer Bushing	2"-1"	5
Reducer Bushing	2"-1/2"	2
Reducer Bushing	2"-2"	2
Reducer Bushing	3"-1 1/2"	15
Reducer Bushing	3"-1"	1
Reducer Bushing	3"-1/2"	3
Reducer Bushing	3"-2 1/2"	3
Reducer Bushing	3"-2"	12
Reducer Bushing	4"-1"	26
Reducer Bushing	4"-2"	7
Reducer Bushing	4"-3"	31
Tee - PVC - Sch 40	1"-1"-1"	58
Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	19
Tee - PVC - Sch 40	2"-2"-2"	38
Tee - PVC - Sch 40	3"-3"-3"	23
Tee - PVC - Sch 40	4"-4"-4"	32



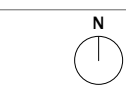
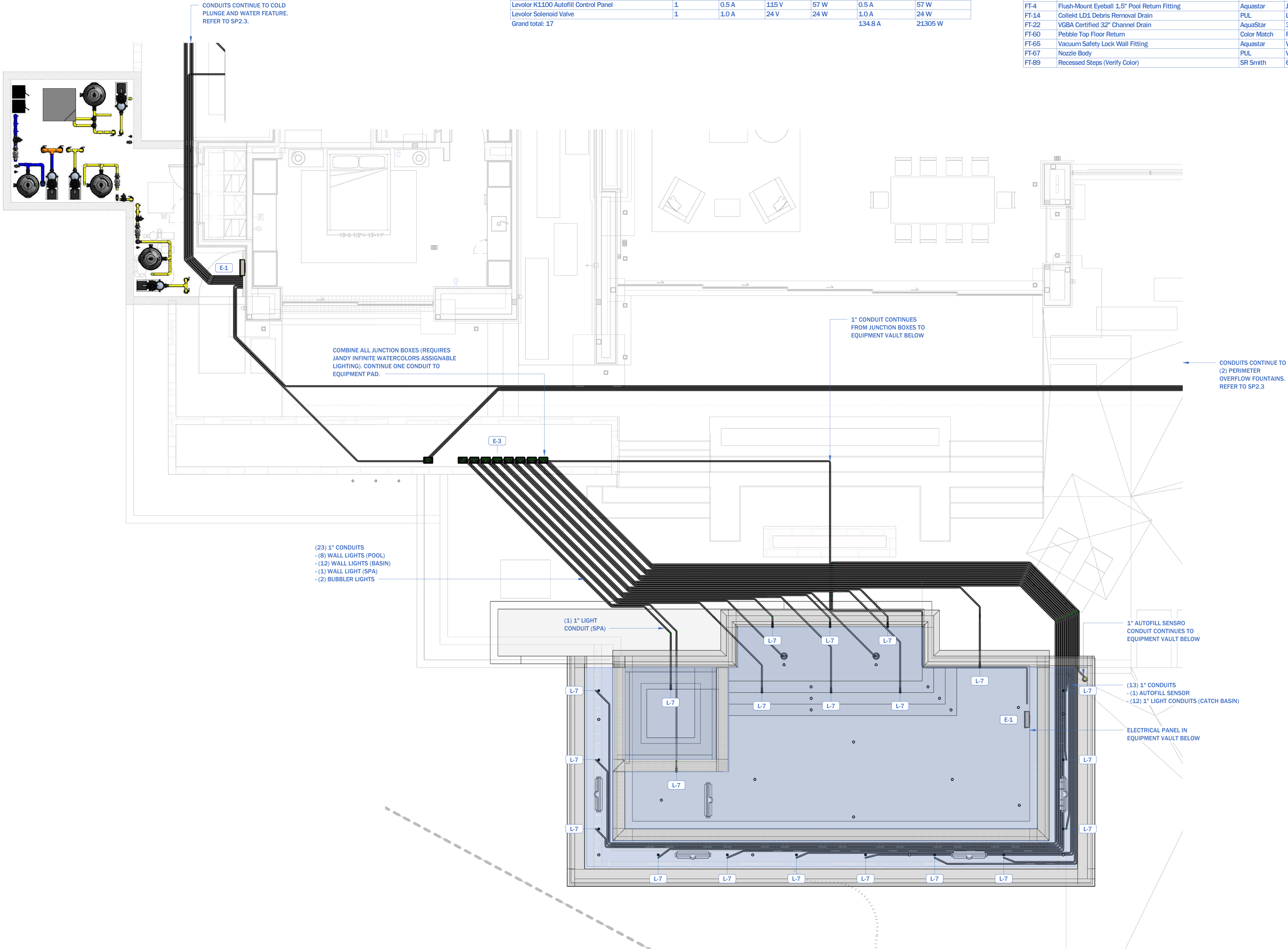
1 POOL & CATCH BASIN PIPING PLAN
1/4" = 1'-0"

Electrical Load Calculations - Pool Equipment Vault						
	Count	Current (1-phase)	Voltage (1-phase)	Power (1-phase)	Total Current (1-phase)	Total Power (1-phase)
3WV Control Valve 2.5"x3"	3	0.8 A	24 V	18 W	2.3 A	54 W
300W Low Voltage Transformer	1	3.0 A	120 V	300 W	3.0 A	300 W
ePump 2.7 HP Variable Speed Pump	2	16.0 A	115 V	1675 W	32.0 A	3350 W
ePump 3.8 HP Variable Speed Pump	5	16.0 A	230 V	3120 W	80.0 A	15600 W
Intellichem Chemical Automation System	2	3.0 A	120 V	360 W	6.0 A	720 W
JXi 400K BTU Natural Gas Heater	2	5.0 A	120 V	600 W	10.0 A	1200 W
Levolor K1100 Autofill Control Panel	1	0.5 A	115 V	57 W	0.5 A	57 W
Levolor Solenoid Valve	1	1.0 A	24 V	24 W	1.0 A	24 W
Grand total: 17					134.8 A	21305 W

White Goods Schedule (Total)				
Keynote	Type	Manufacturer	Model #	Quantity
Automation & Electrical				
A-1	Levolor Remote Sensor Housing	Jandy	Included	5
L-7	Infinite Watercolors RGBW 15W, 100' Cord	Jandy	IWC15W100	25
Water Features				
FT-20	TruFit Bubbler with Infinite WaterColors LED Light	Jandy	JHCBUB & IWC25W200	7
White Goods				
FT-1	AVSC 32" Pebble Top Debris Removal Channel Drain	A&A	5714XX	2
FT-4	Flush-Mount Eyeball 1.5" Pool Return Fitting	Aquastar	JE31xx	2
FT-14	Collekt LD1 Debris Removal Drain	PUL	LD-1	6
FT-22	VGBA Certified 32" Channel Drain	AquaStar	32CDFLxxx	4
FT-60	Pebble Top Floor Return	Color Match	PTFR-01	6
FT-65	Vacuum Safety Lock Wall Fitting	Aquastar	VLK15T01	3
FT-67	Nozzle Body	PUL	VARIES	25
FT-89	Recessed Steps (Verify Color)	SR Smith	62-209-4001	4

Conduit Schedule (Total)

Size	Length
3/4"	10'
1"	3172'



Sheet Name:

CONDUIT PLAN

Scale:

1/4" = 1'-0"

Sheet No.

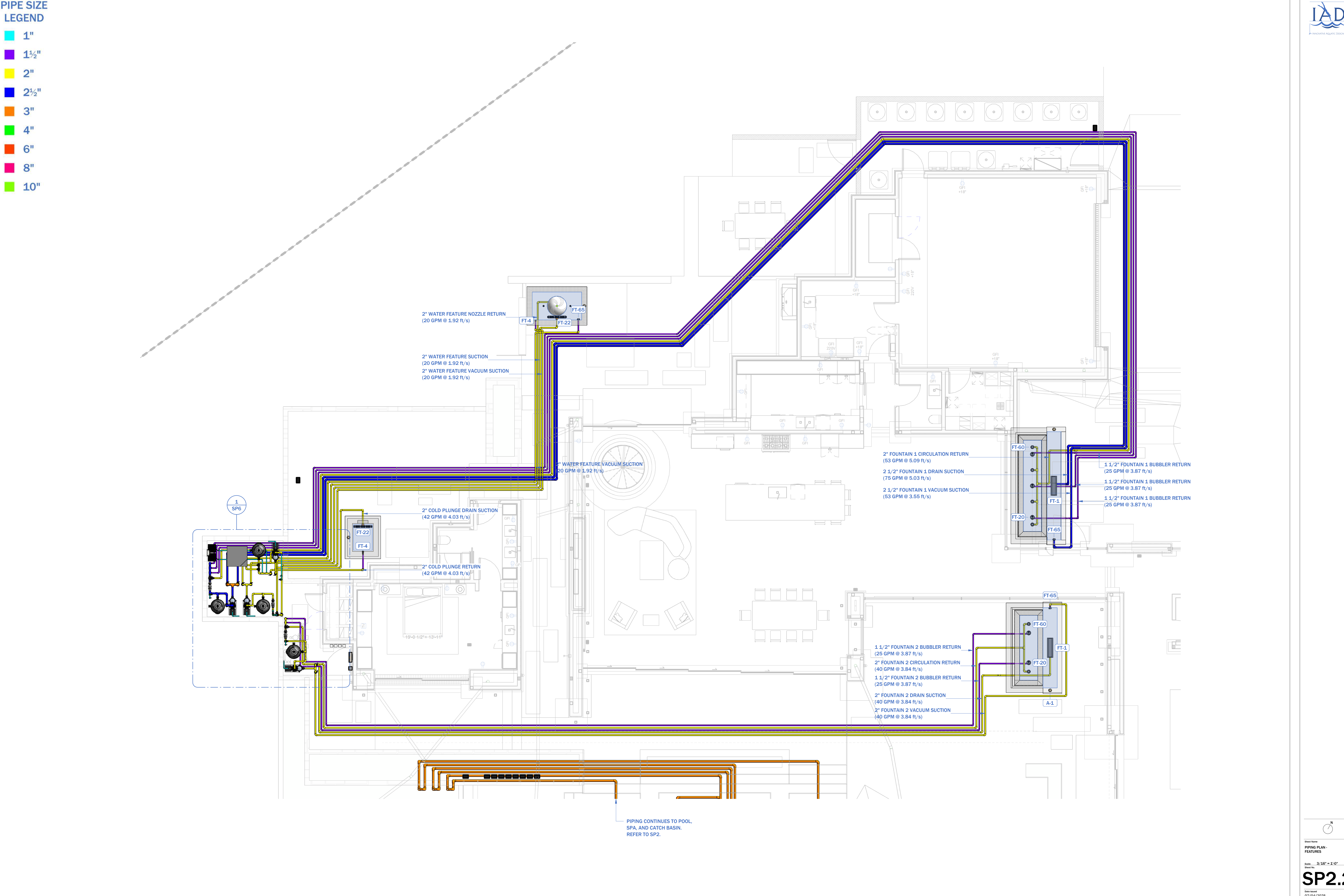
SP2.1

Date issued:

07/04/2025

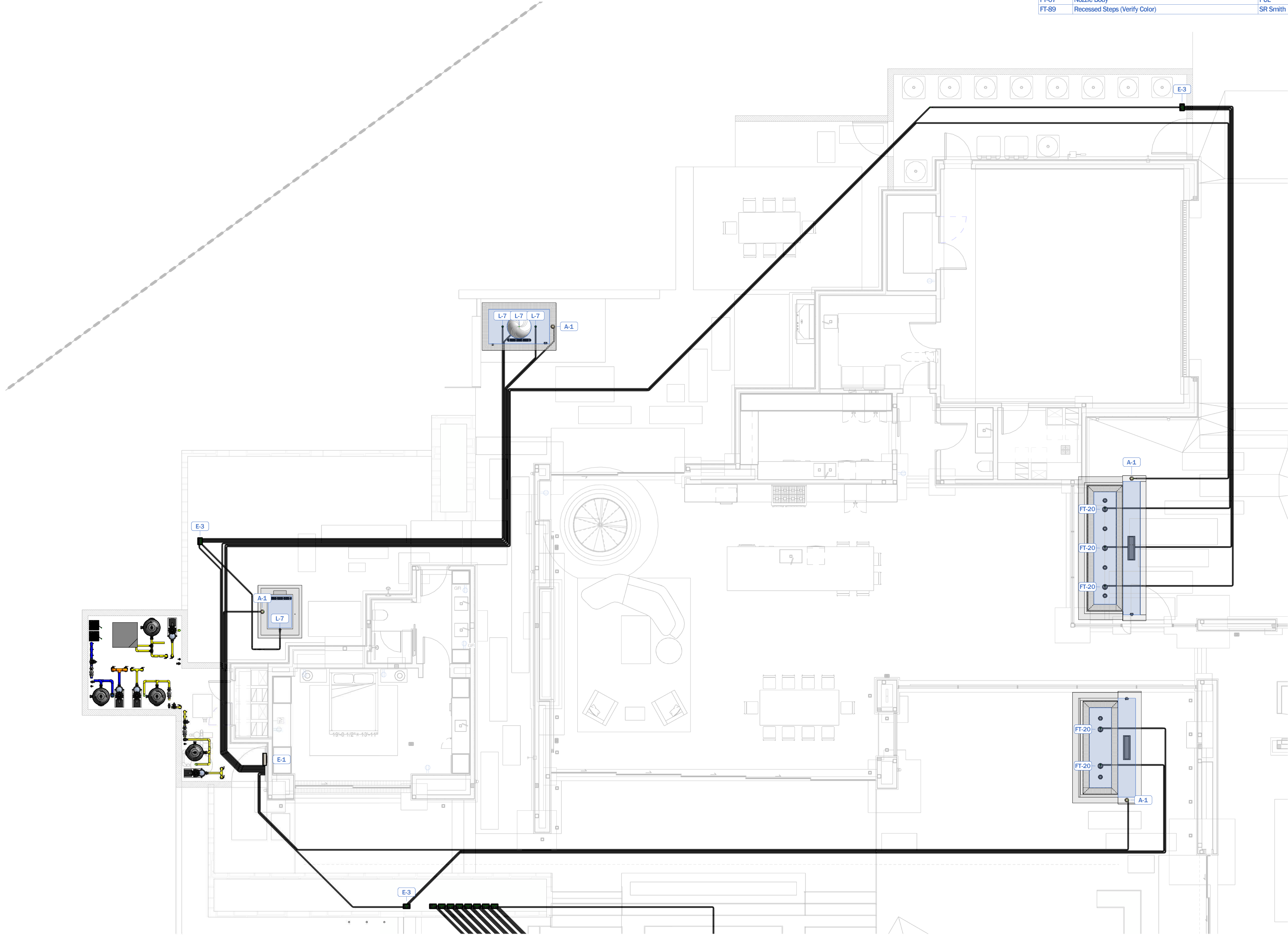
PIPE SIZE
LEGEND

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



Electrical Load Calculations - Fountain Equipment Pad						
	Count	Current (1-phase)	Voltage (1-phase)	Power (1-phase)	Total Current (1-phase)	Total Power (1-phase)
3WV Control Valve 2.5"x3"	1	0.8 A	24 V	18 W	0.8 A	18 W
300W Low Voltage Transformer	1	3.0 A	120 V	300 W	3.0 A	300 W
ePump 2.2 HP Variable Speed Pump	3	16.0 A	115 V	1660 W	48.0 A	4980 W
ePump 2.7 HP Variable Speed Pump	1	16.0 A	115 V	1675 W	16.0 A	1675 W
IntelliChem Chemical Automation System	1	3.0 A	120 V	360 W	3.0 A	360 W
Levolor K1100 Autofill Control Panel	2	0.5 A	115 V	57 W	1.0 A	114 W
Levolor K2000 Autofill Control Panel	2	0.5 A	115 V	57 W	1.0 A	114 W
Levolor Solenoid Valve	4	1.0 A	24 V	24 W	4.0 A	96 W
Grand total: 15					76.8 A	7657 W

White Goods Schedule (Total)				
Keynote	Type	Manufacturer	Model #	Quantity
Automation & Electrical				
A-1	Levolor Remote Sensor Housing	Jandy	Included	5
L-7	Infinite Watercolors RGBW 15W, 100' Cord	Jandy	IWC15W100	25
Water Features				
FT-20	TruFit Bubbler with Infinite WaterColors LED Light	Jandy	JHCBUB & IWC25W200	7
White Goods				
FT-1	AVSC 32" Pebble Top Debris Removal Channel Drain	A&A	5714XX	2
FT-4	Flush-Mount Eyeball 1.5" Pool Return Fitting	Aquastar	JE31xx	2
FT-14	Collekt LD1 Debris Removal Drain	PUL	LD-1	6
FT-22	VGBA Certified 32" Channel Drain	AquaStar	32CDFLxxx	4
FT-60	Pebble Top Floor Return	Color Match	PTFR-01	6
FT-65	Vacuum Safety Lock Wall Fitting	Aquastar	VLK15T01	3
FT-67	Nozzle Body	PUL	VARIES	25
FT-89	Recessed Steps (Verify Color)	SR Smith	62-209-4001	4



Conduit Schedule (Total)		
Size	Length	
3/4"	10'	
1"	3172'	



Sheet Name:
CONDUIT PLAN -
FEATURES

Scale:
Sheet No.

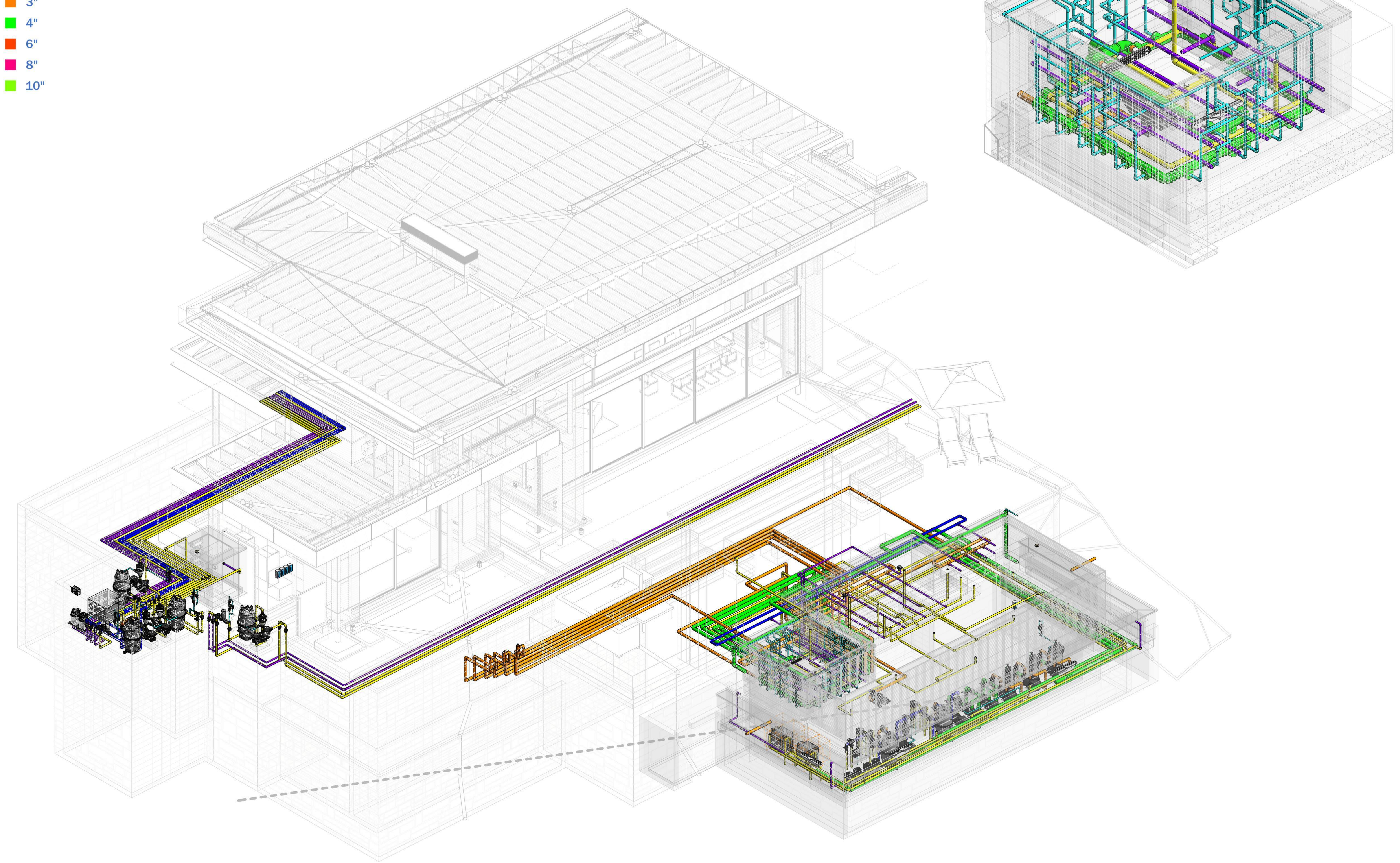
3/16" = 1'-0"

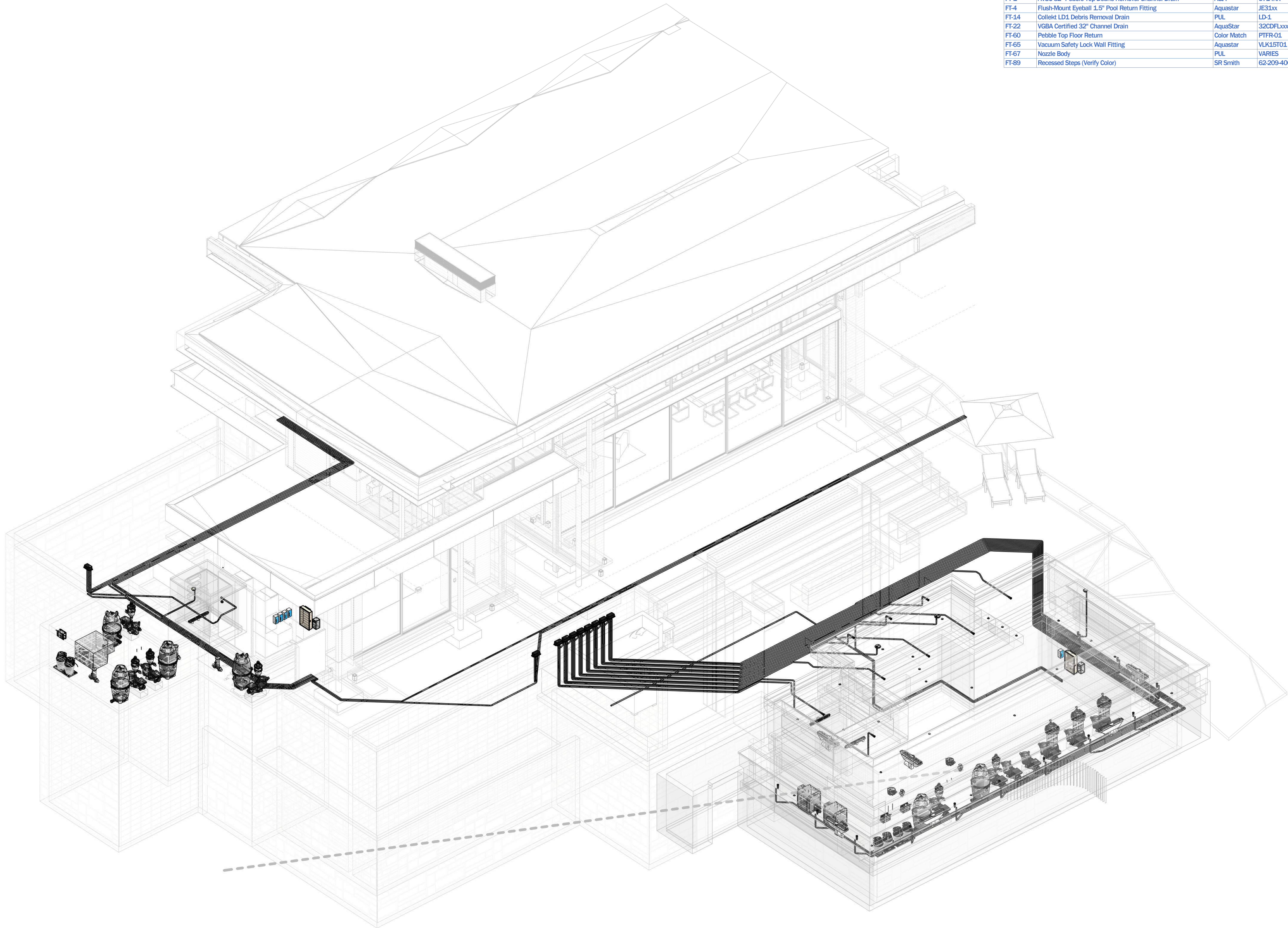
SP2.3

Date issued:
07/04/2025

PIPE SIZE
LEGEND

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





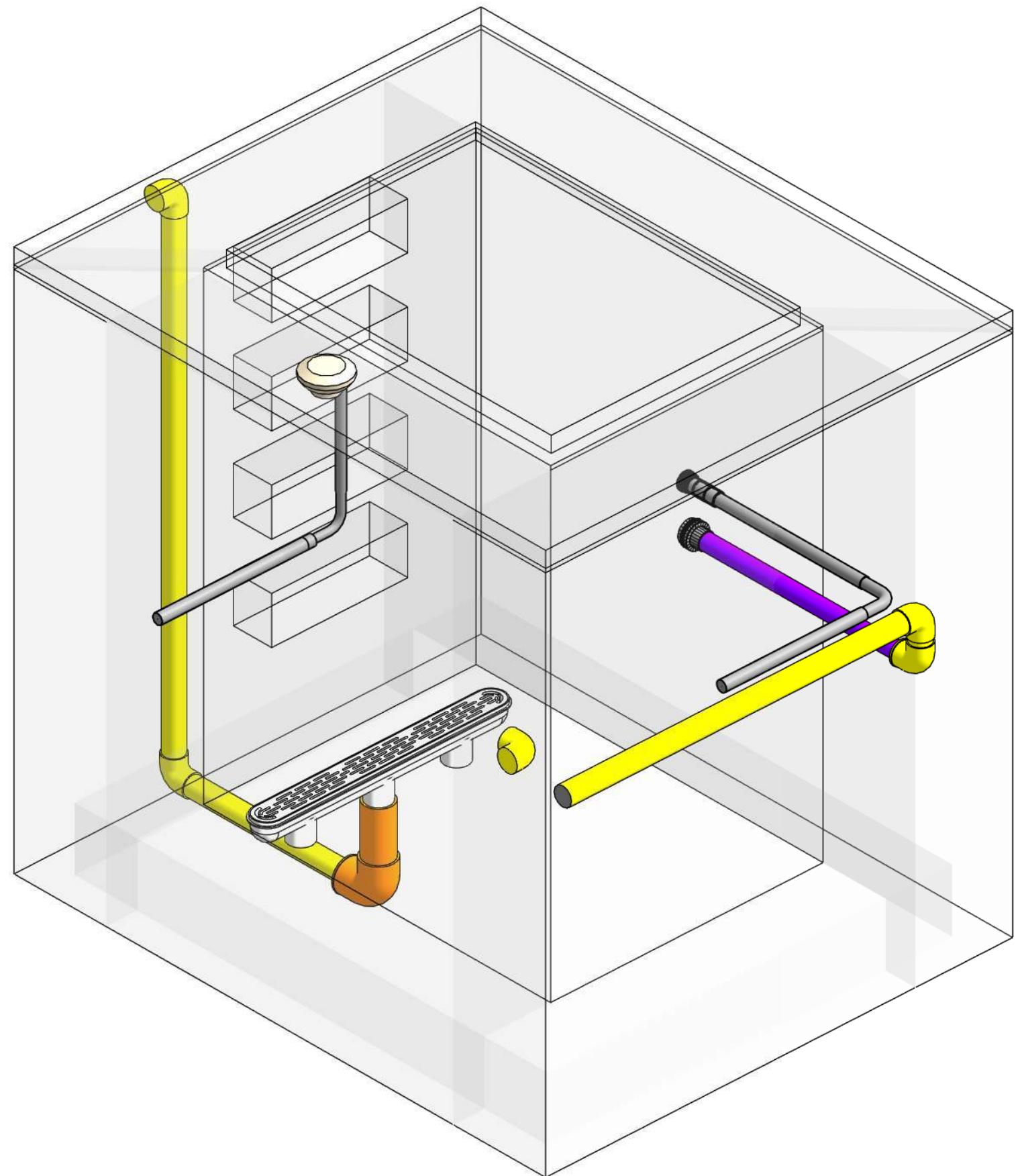
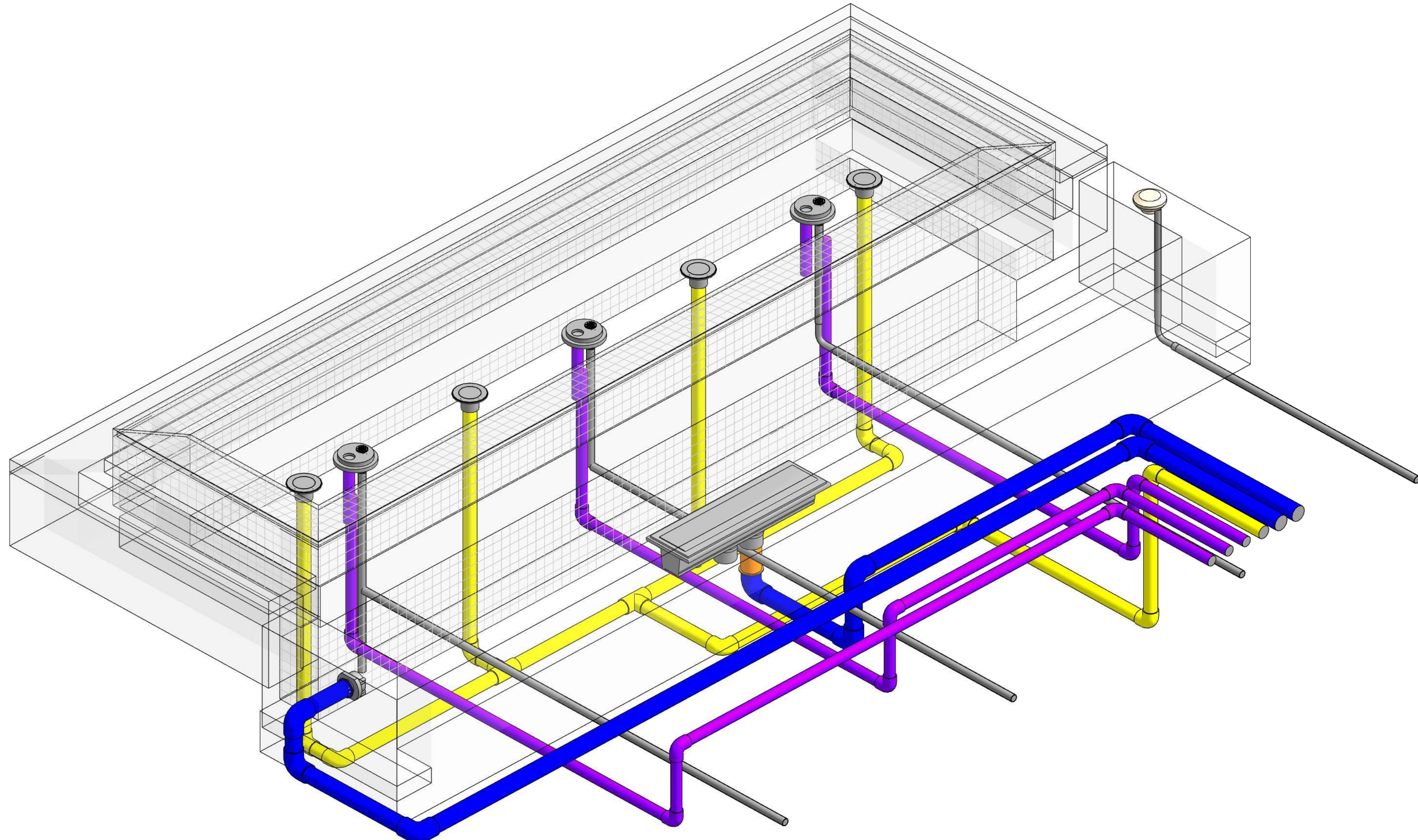
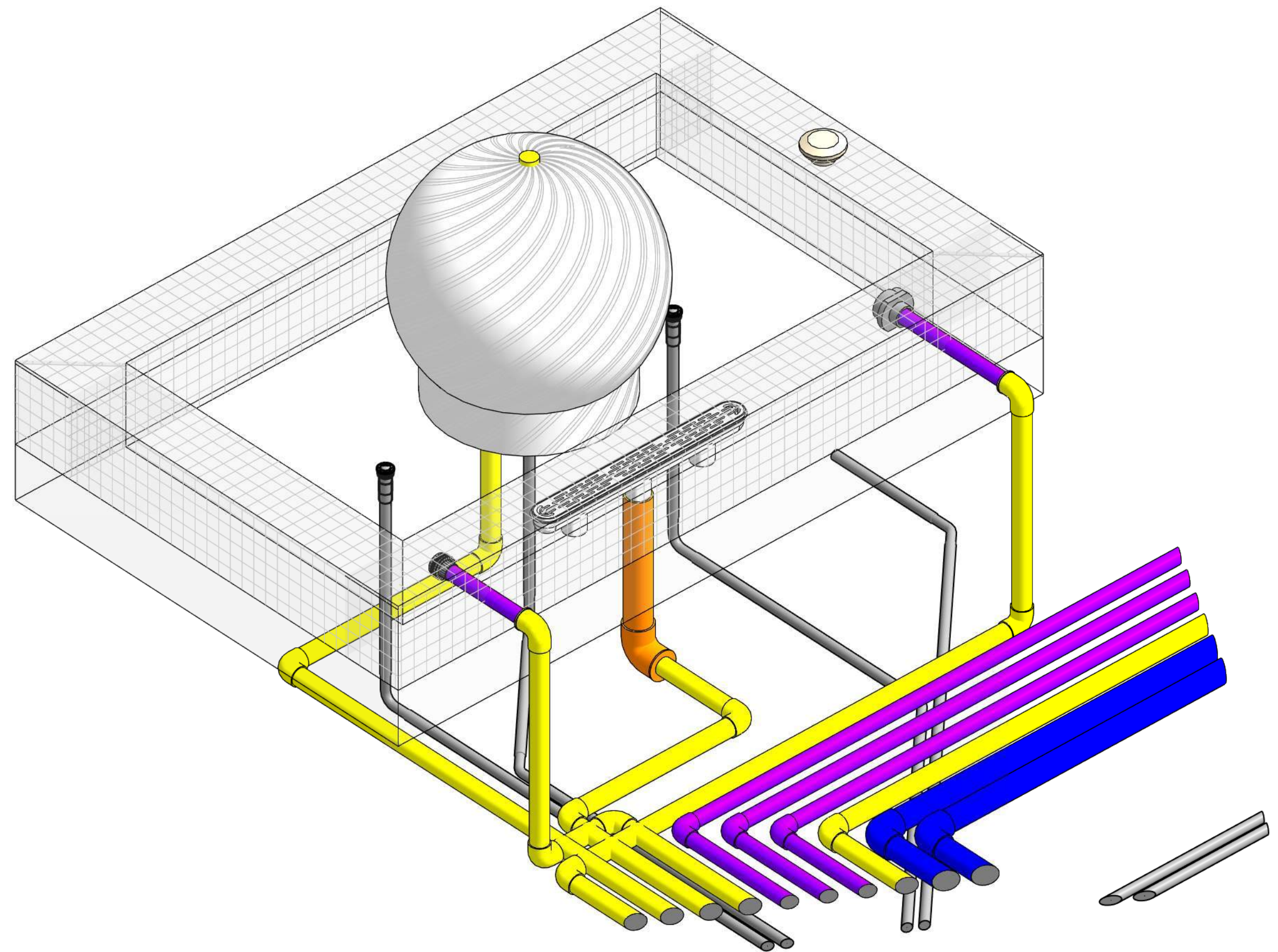
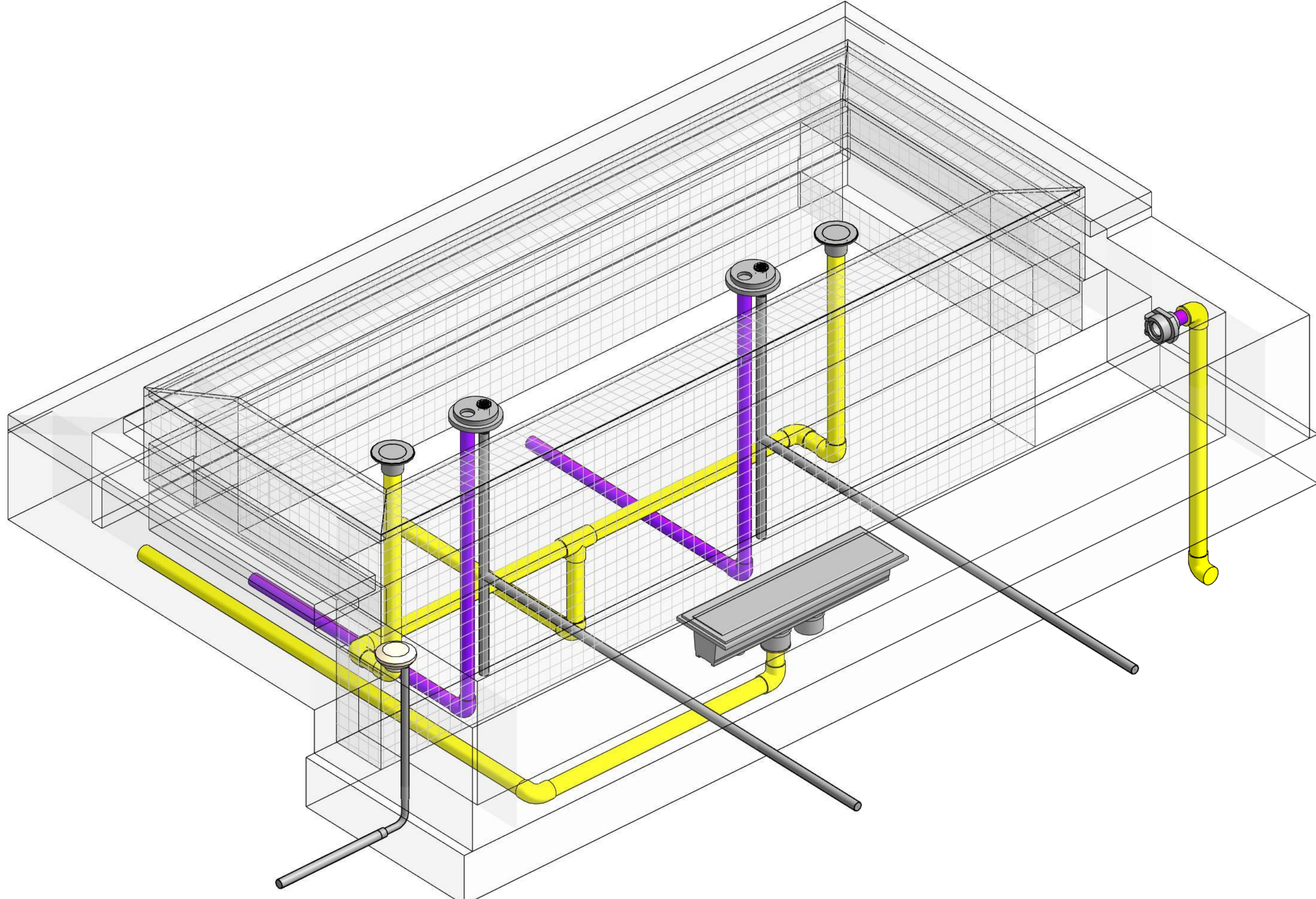
White Goods Schedule (Total)				
Keynote	Type	Manufacturer	Model #	Quantity
Automation & Electrical				
A-1	Levolor Remote Sensor Housing	Jandy	Included	5
L-7	Infinite Watercolors RGBW 15W, 100' Cord	Jandy	IWC15W100	25
Water Features				
FT-20	TruFit Bubbler with Infinite WaterColors LED Light	Jandy	JHCBUB & IWC25W200	7
White Goods				
FT-1	AVSC 32" Pebble Top Debris Removal Channel Drain	A&A	5714XX	2
FT-4	Flush-Mount Eyeball 1.5" Pool Return Fitting	Aquastar	JE31xx	2
FT-14	Collekt LD1 Debris Removal Drain	PUL	LD-1	6
FT-22	VGBA Certified 32" Channel Drain	AquaStar	32CDFLxxx	4
FT-60	Pebble Top Floor Return	Color Match	PTFR-01	6
FT-65	Vacuum Safety Lock Wall Fitting	Aquastar	VLK15T01	3
FT-67	Nozzle Body	PUL	VARIES	25
FT-89	Recessed Steps (Verify Color)	SR Smith	62-209-4001	4

Conduit Schedule (Total)	
Size	Length
3/4"	10'
1"	3172'



PIPE SIZE
LEGEND

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



DETAILS SHEET
INTENTIONALLY
LEFT BLANK

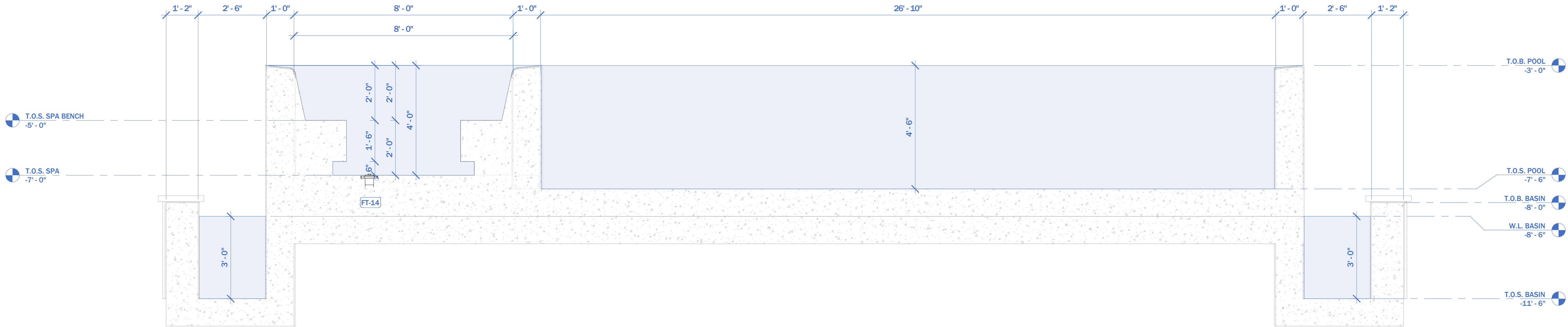
DETAILS SHEET
INTENTIONALLY
LEFT BLANK

DETAILS SHEET
INTENTIONALLY
LEFT BLANK

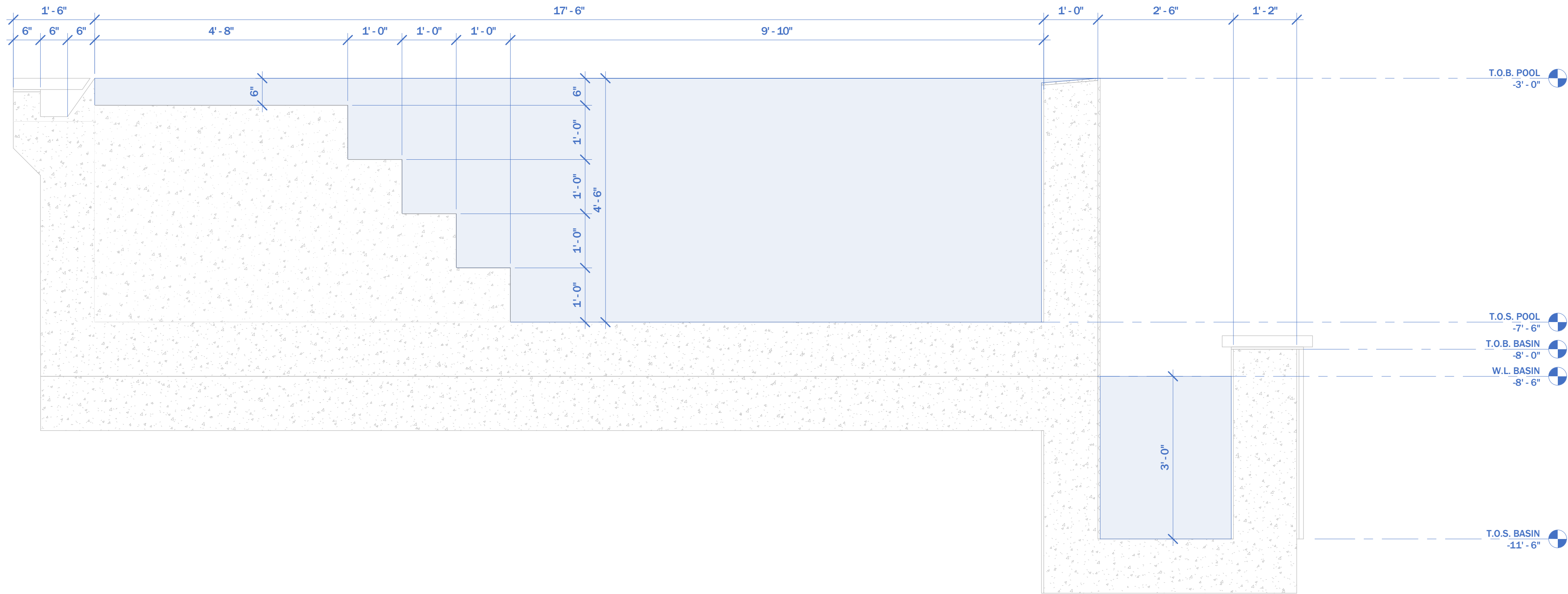
DETAILS SHEET
INTENTIONALLY
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NOTES:

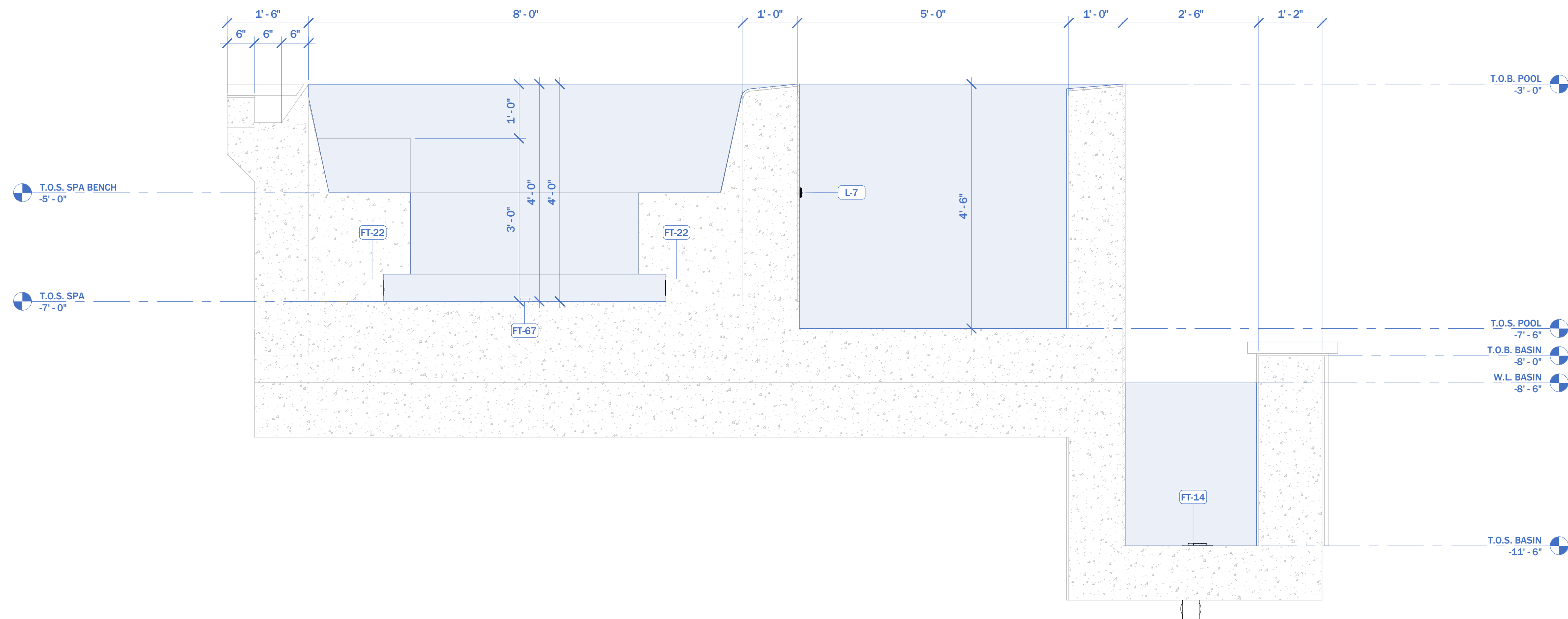
T.O.C. = TOP OF COPING
T.O.B. = TOP OF BEAM
T.O.S. = TOP OF SLAB
W.L. = WATERLINE



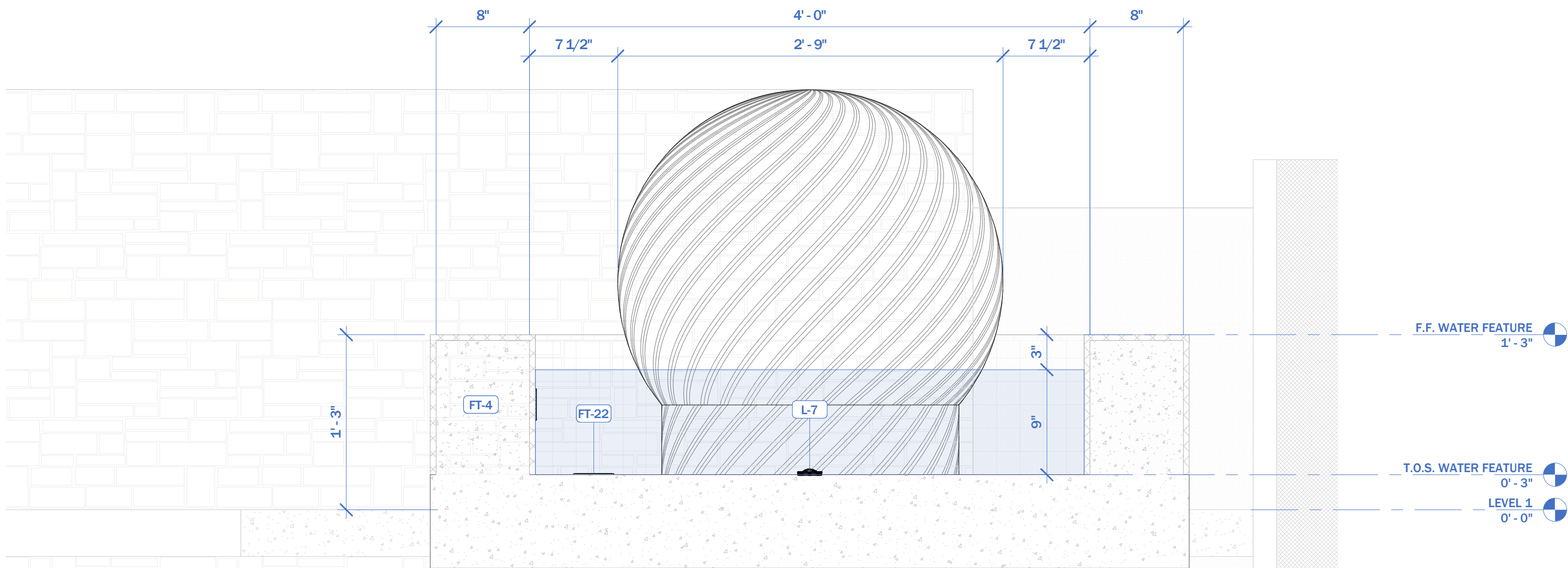
① LONGITUDINAL POOL, SPA & CATCH BASIN SECTION
1/2" = 1'-0"



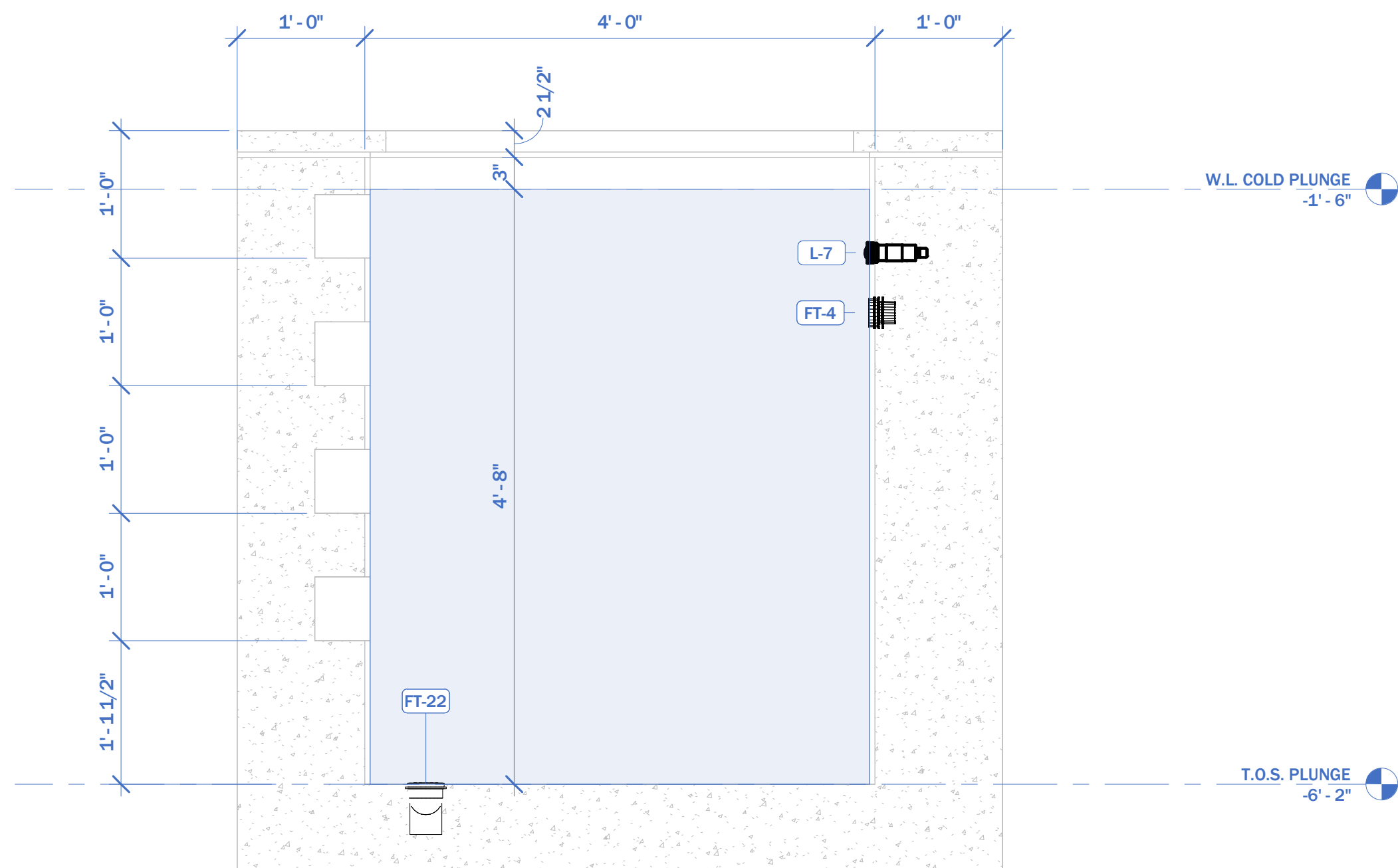
② TRANSVERSE POOL BAJA SHELF AND CATCH BASIN SECTION
3/4" = 1'-0"



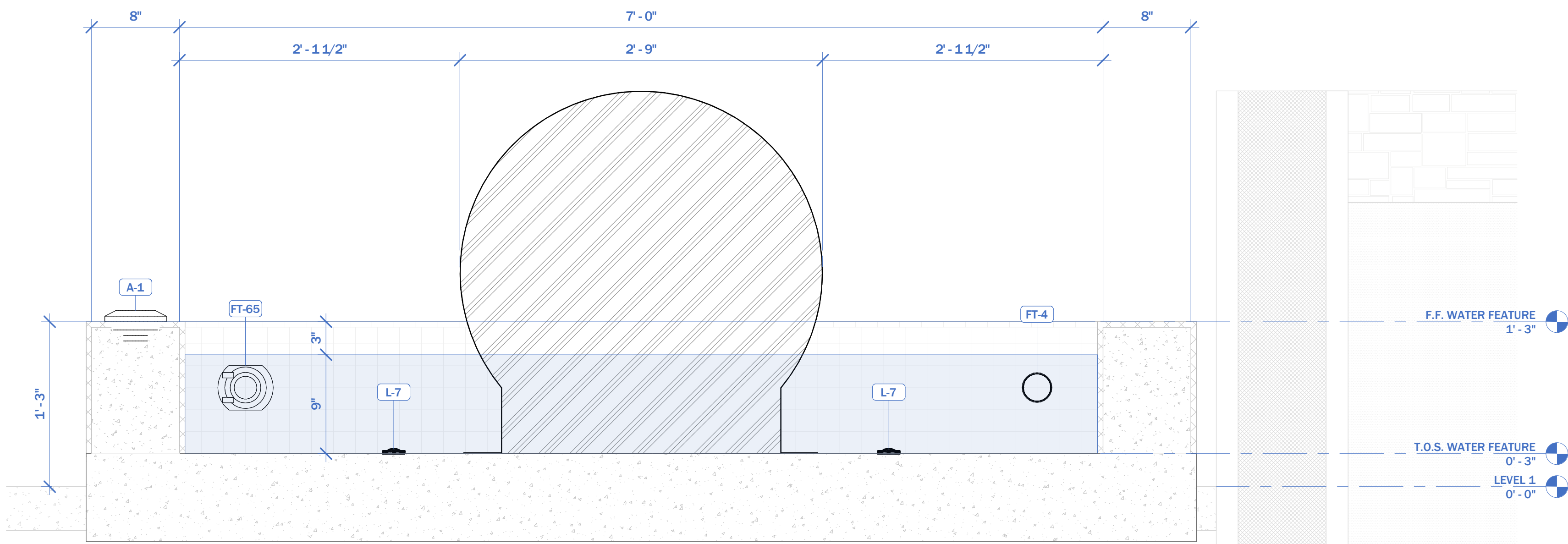
① TRANSVERSE POOL, SPA, AND CATCH BASIN SECTION
3/4" = 1'-0"



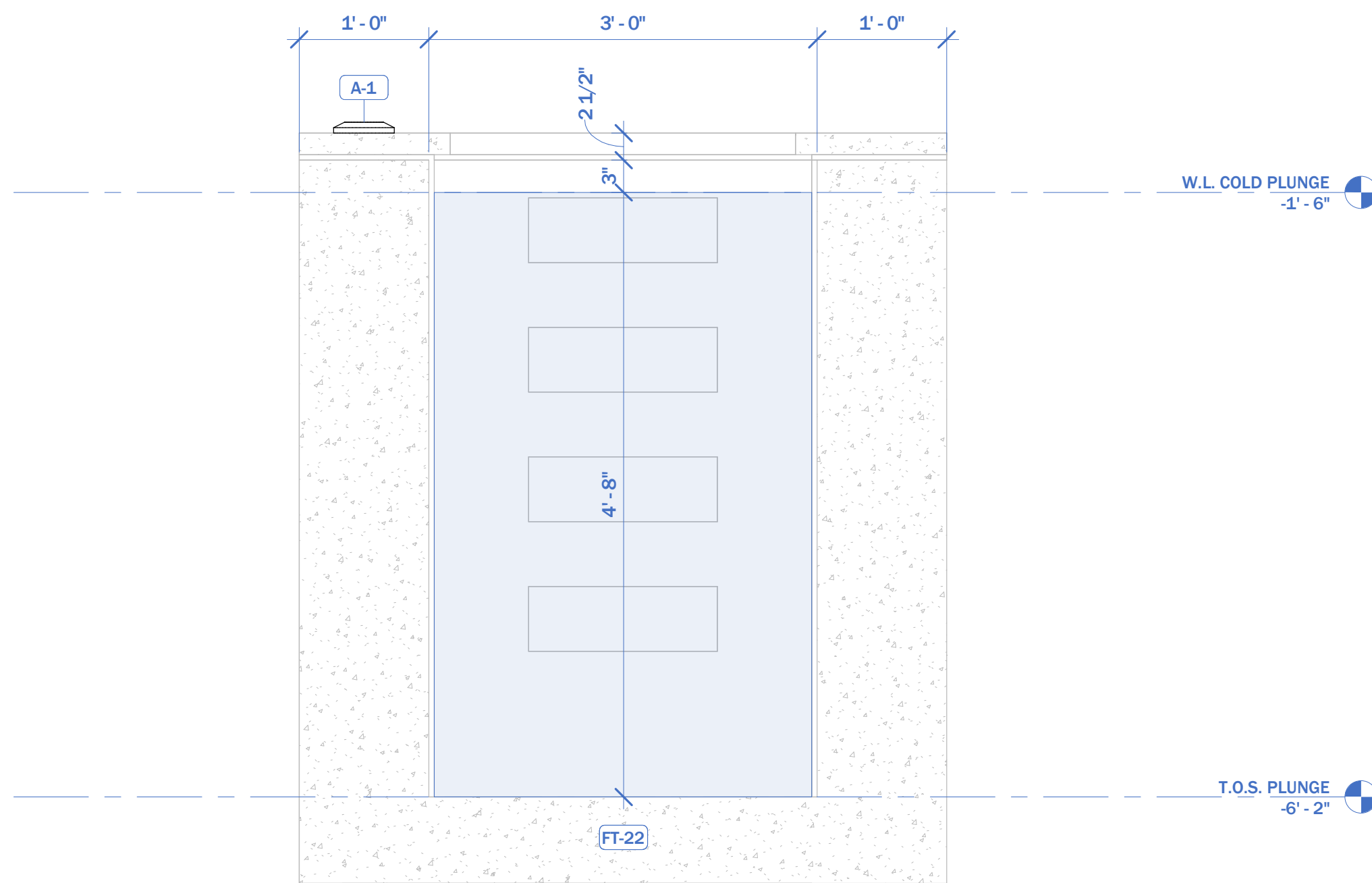
2 TRANSVERSE WATER FEATURE SECTION
1 1/2" = 1'-0"



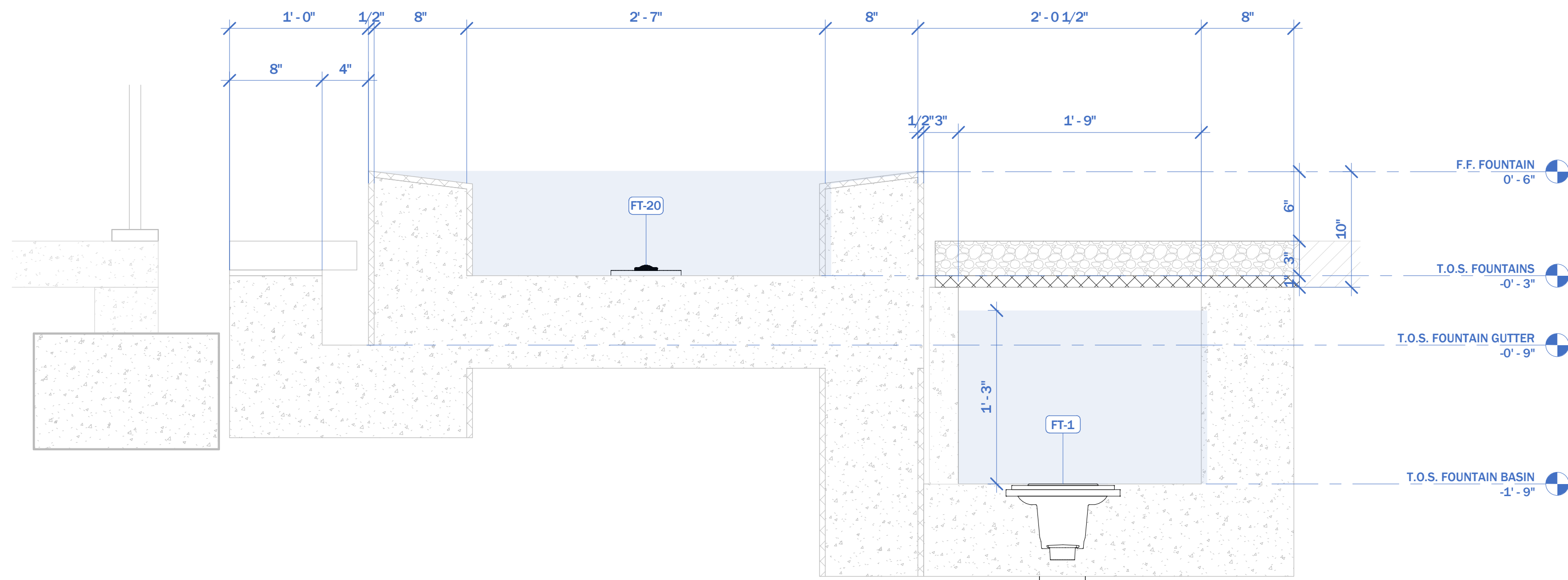
3 LONGITUDINAL COLD PLUNGE SECTION
1" = 1'-0"



1 LONGITUDINAL WATER FEATURE SECTION
1 1/2" = 1'-0"



4 TRANSVERSE COLD PLUNGE SECTION
1" = 1'-0"



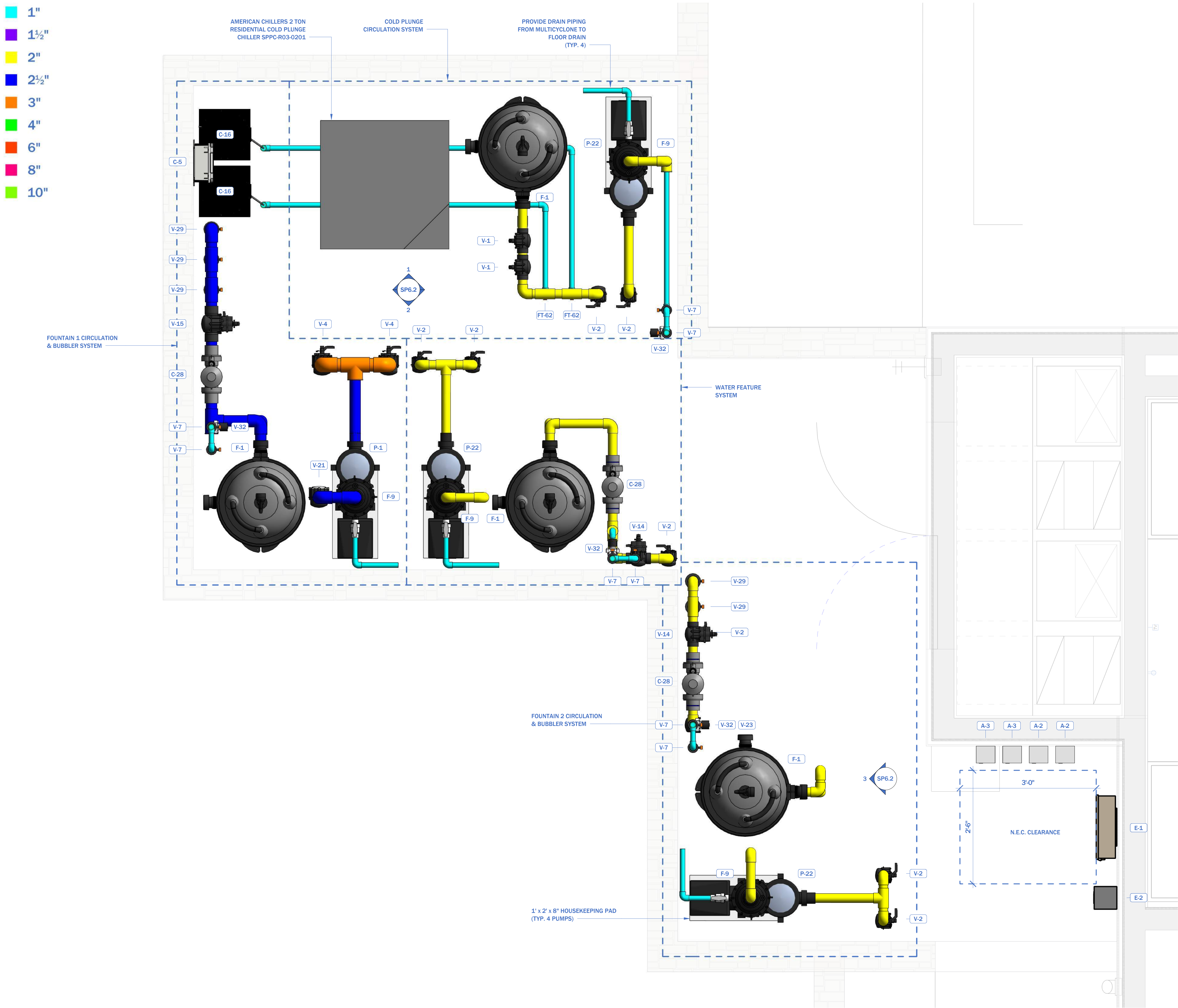
① TRANSVERSE FOUNTAIN & BASIN SECTION
1 1/2" = 1'-0"



② LONGITUDINAL FOUNTAIN SECTGION
3/4" = 1'-0"

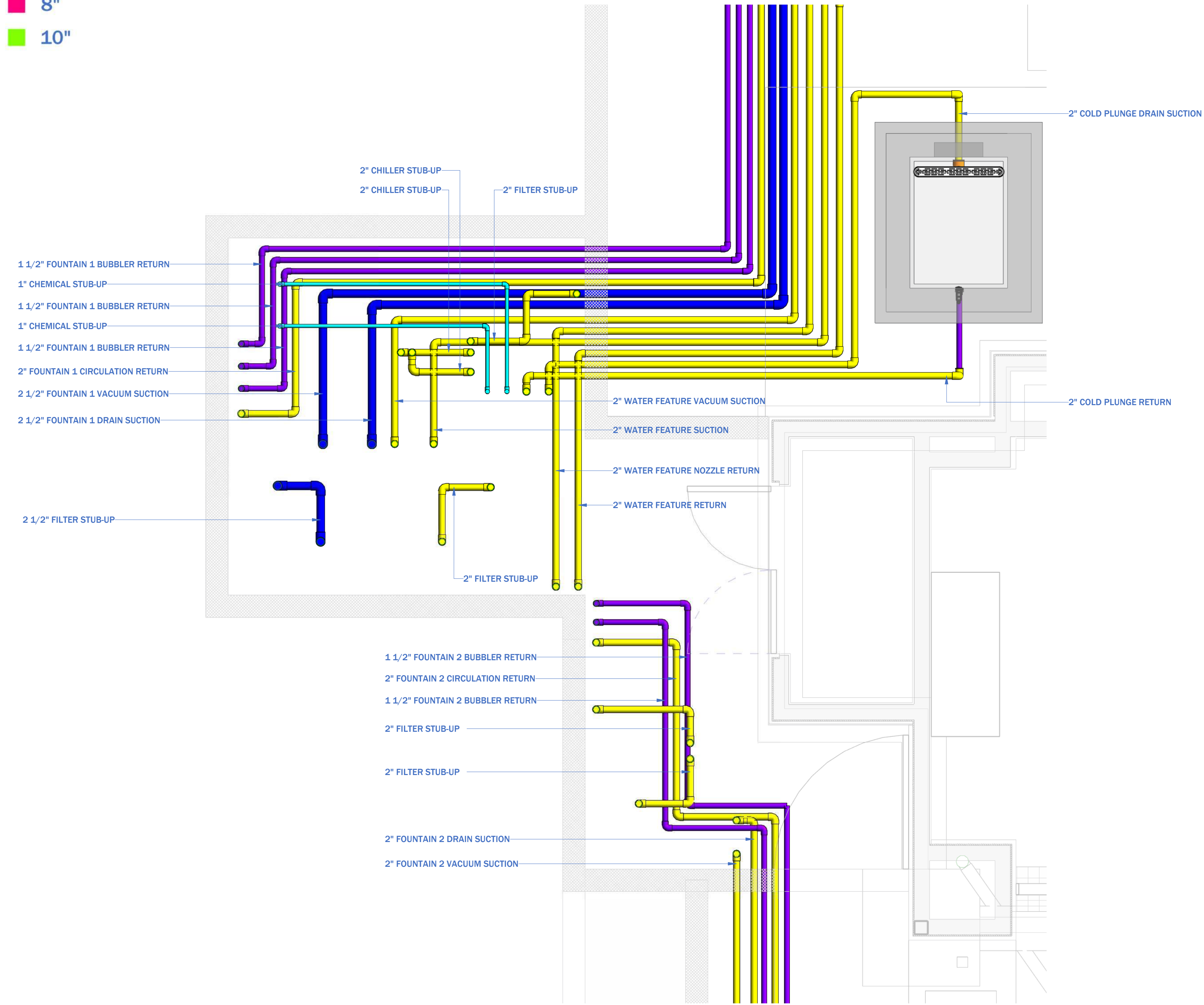
PIPE SIZE
LEGEND

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

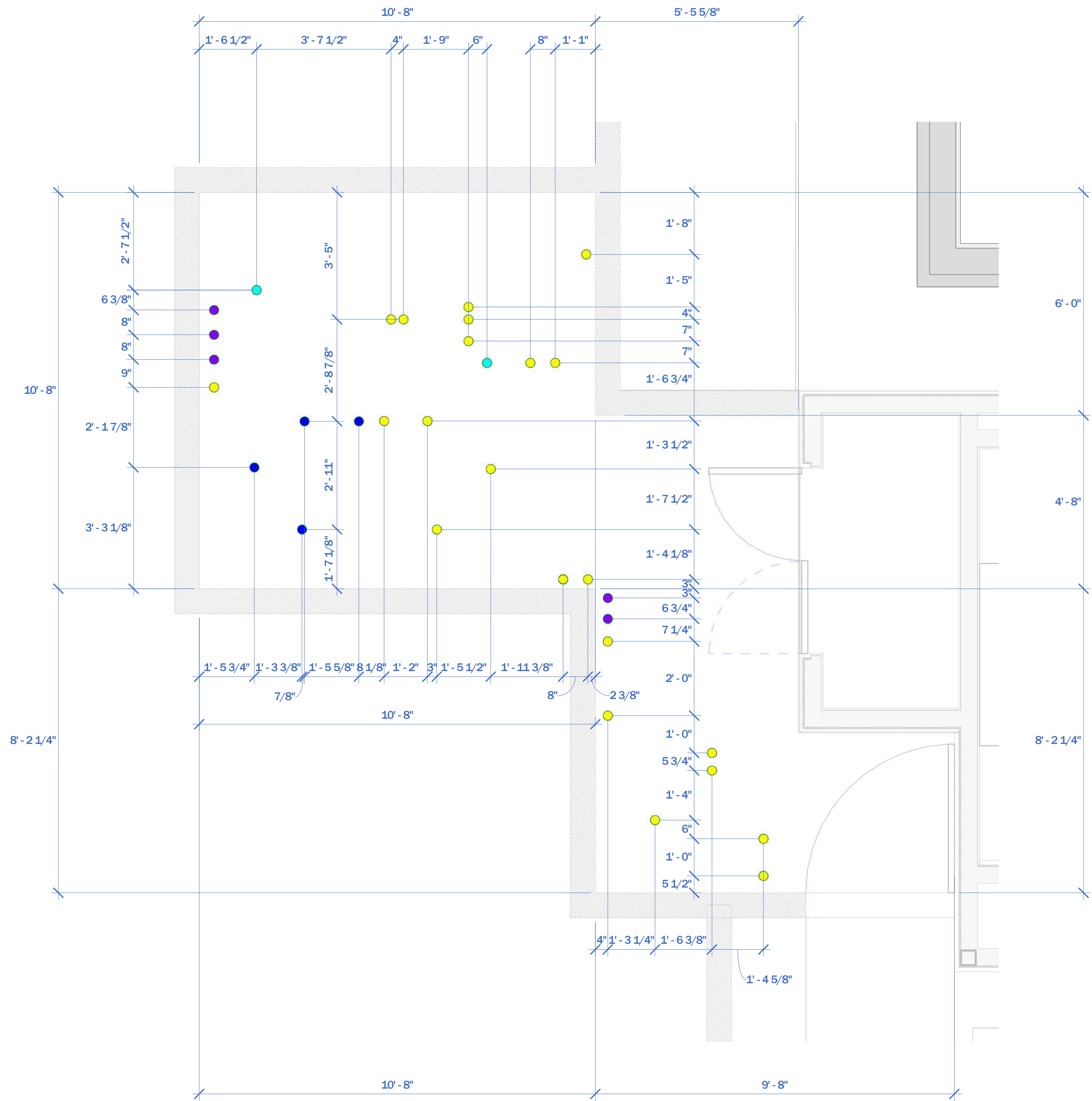


PIPE SIZE
LEGEND

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



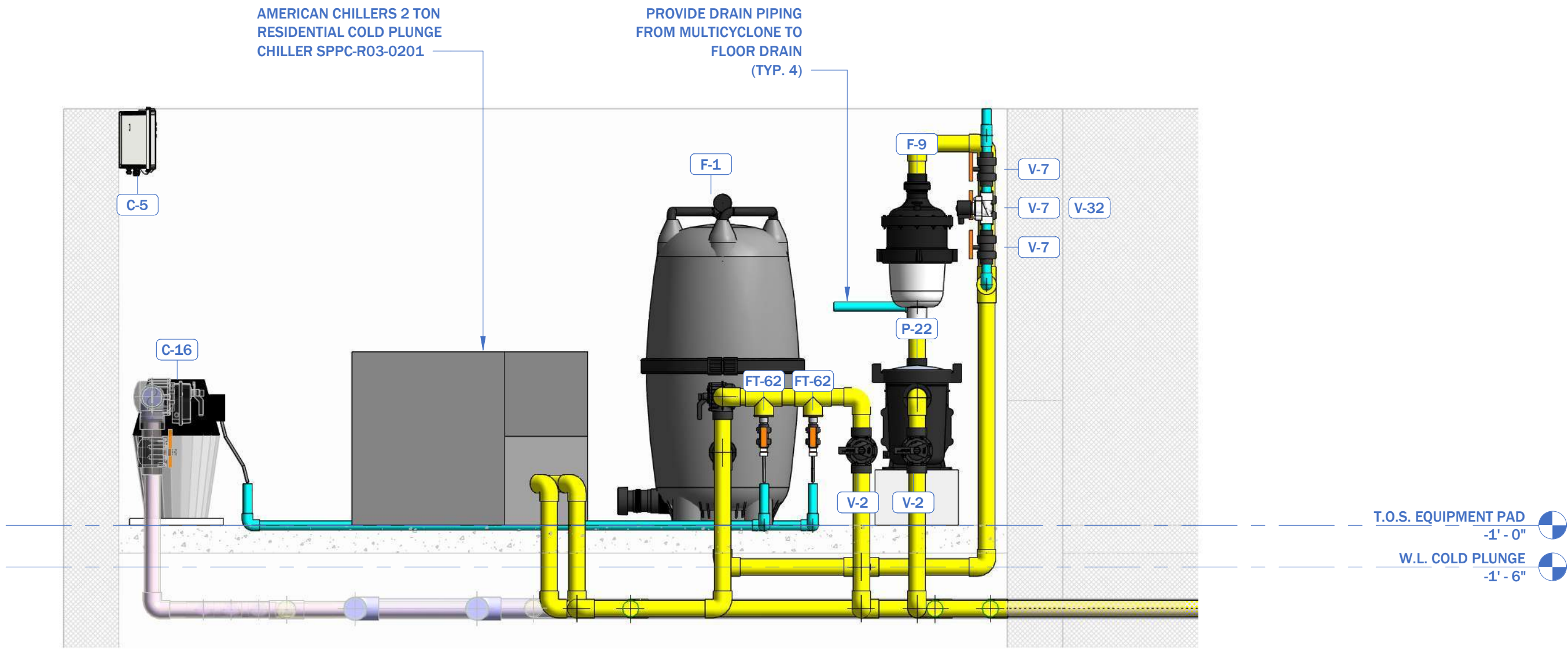
① EQUIPMENT PAD SUB-SLAB PIPING PLAN
1/2" = 1'-0"



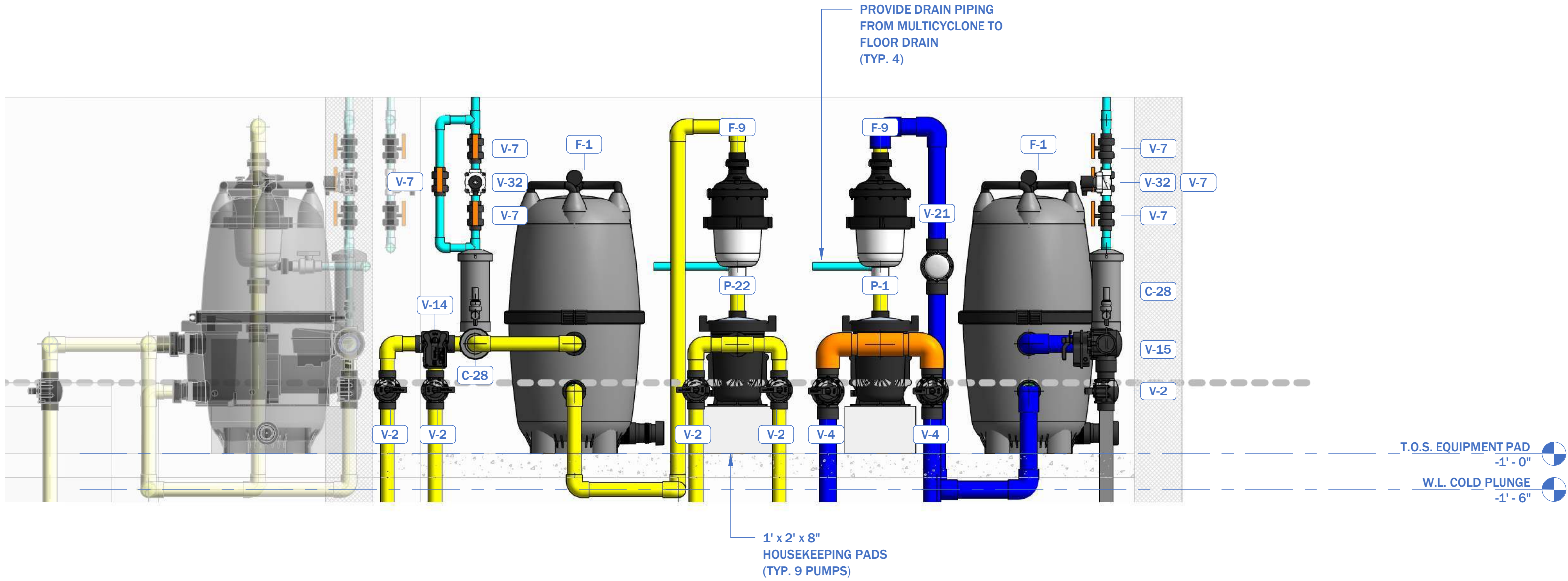
② EQUIPMENT PAD STUB-UP PIPING PLAN
1/2" = 1'-0"

PIPE SIZE

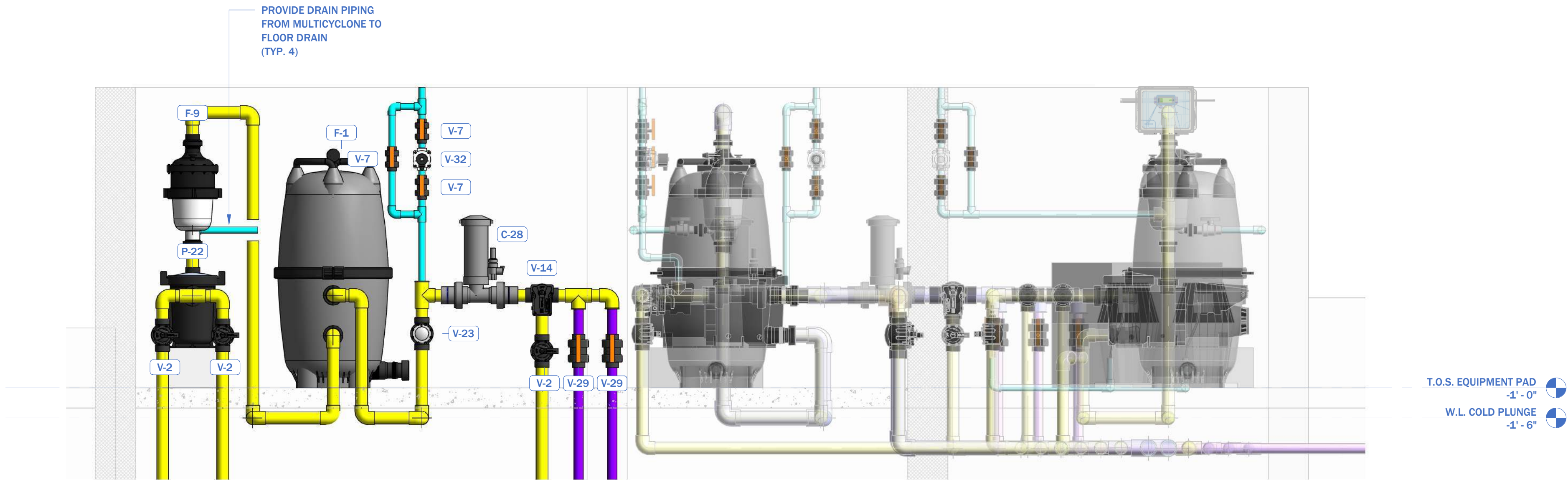
- LEGEND
- 1"
 - 1½"
 - 2"
 - 2½"
 - 3"
 - 4"
 - 6"
 - 8"
 - 10"



1 EQUIPMENT ELEVATION - COLD PLUNGE
3/4" = 1'-0"



2 EQUIPMENT ELEVATION - WATER FEATURE, FOUNTAIN 1
3/4" = 1'-0"



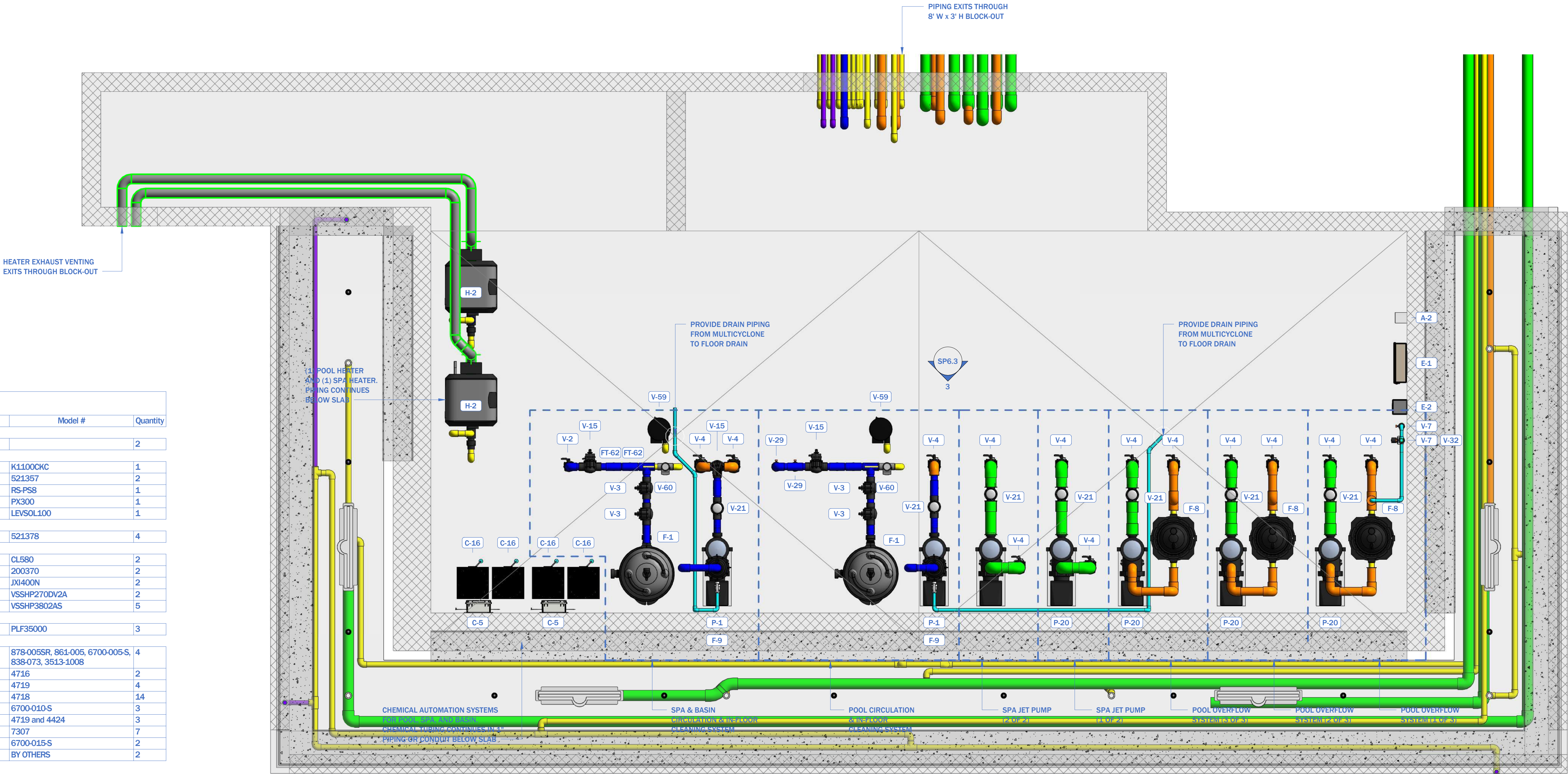
3 EQUIPMENT ELEVATION - FOUNTAIN 2
3/4" = 1'-0"

Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
V-60	PUL Conekt Controller	PUL		2
Automation & Electrical				
A-2	Levolor K1100 Autofill Control Panel	Jandy	K1100CKC	1
C-5	IntelliChem Chemical Automation System	Pentair	521357	2
E-1	Aqualink RS Pool Automation System Panel	Jandy	RS-PS8	1
E-2	300W Low Voltage Transformer	Intermatic	PX300	1
V-32	Levolor Solenoid Valve	Jandy	LEVSOL100	1
Chemicals & Sanitizers				
C-16	IntelliChem Container	Pentair	521378	4
Circulation				
F-1	CL580 Cartridge Filter	Jandy	CL580	2
F-9	Multicyclone 16 Centrifugal Water Filter	Waterco	200370	2
H-2	JXi 400K BTU Natural Gas Heater	Jandy	JXi400N	2
P-1	ePump 2.7 HP Variable Speed Pump	Jandy	VSSH270DV2A	2
P-20	ePump 3.8 HP Variable Speed Pump	Jandy	VSSH3802AS	5
Filters				
F-8	Pipeline Filter (35000 Gallons)	Aquastar	PLF35000	3
Valves & Fittings				
FT-62	Chemical Injection Assembly	Spears, Asahi, Watts	878-005SR, 861-005, 6700-005-S, 838-073, 3513-1008	4
V-2	Diverter Valve 2"x2.5"	Jandy	4716	2
V-3	3WV 2.5"x3"	Jandy	4719	4
V-4	Diverter Valve 2.5"x3"	Jandy	4718	14
V-7	True Union Ball Valve 1"	Asahi	6700-010-S	3
V-15	3WV Control Valve 2.5"x3"	Jandy	4719 and 4424	3
V-21	Check Valve 2.5"x3"	Jandy	7307	7
V-29	True Union Ball Valve 1-1/2"	Asahi	6700-015-S	2
V-59	PUL Conekt 8-Port Valve	PUL	BY OTHERS	2

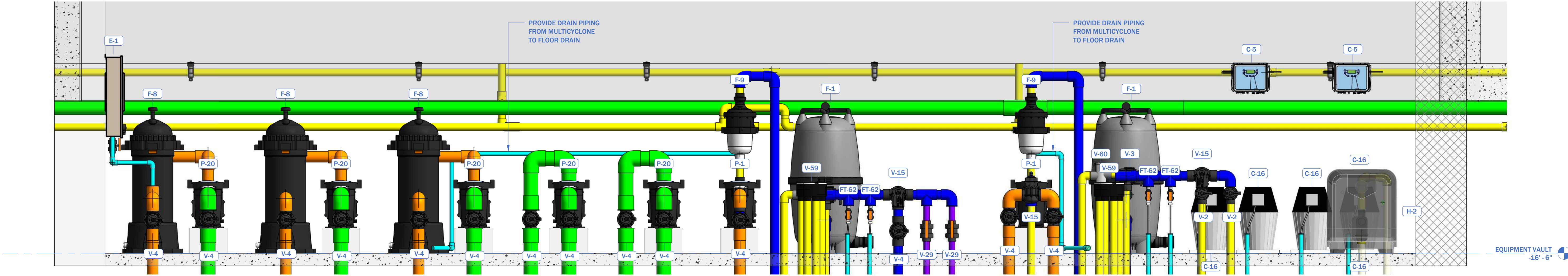
PIPE SIZE
LEGEND

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

Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
V-60	PUL Conekt Controller	PUL		2
Automation & Electrical				
A-2	Levolor K1100 Autofill Control Panel	Jandy	K1100CKC	1
C-5	Intellichem Chemical Automation System	Pentair	521357	2
E-1	Aqualink RS Pool Automation System Panel	Jandy	RS-PS8	1
E-2	300W Low Voltage Transformer	Intermatic	PX300	1
V-32	Levolor Solenoid Valve	Jandy	LEV SOL100	1
Chemicals & Sanitizers				
C-16	Intellichem Container	Pentair	521378	4
Circulation				
F-1	CL580 Cartridge Filter	Jandy	CL580	2
F-9	Multicyclone 16 Centrifugal Water Filter	Waterco	200370	2
H-2	JXI 400K BTU Natural Gas Heater	Jandy	JXI400N	2
P-1	ePump 2.7 HP Variable Speed Pump	Jandy	VSSH270DV2A	2
P-20	ePump 3.8 HP Variable Speed Pump	Jandy	VSSHP3802AS	5
Filters				
F-8	Pipeline Filter (35000 Gallons)	Aquastar	PLF35000	3
Valves & Fittings				
FT-62	Chemical Injection Assembly	Spears, Asahi, Watts	878-005SR, 861-005, 6700-005-S, 838-073, 3513-1008	4
V-2	Diverter Valve 2"x2.5"	Jandy	4716	2
V-3	3W 2.5"x3"	Jandy	4719	4
V-4	Diverter Valve 2.5"x3"	Jandy	4718	14
V-7	True Union Ball Valve 1"	Asahi	6700-010-S	3
V-15	3W Control Valve 2.5"x3"	Jandy	4719 and 4424	3
V-21	Check Valve 2.5"x3"	Jandy	7307	7
V-29	True Union Ball Valve 1-1/2"	Asahi	6700-015-S	2
V-59	PUL Conekt 8-Port Valve	PUL	BY OTHERS	2

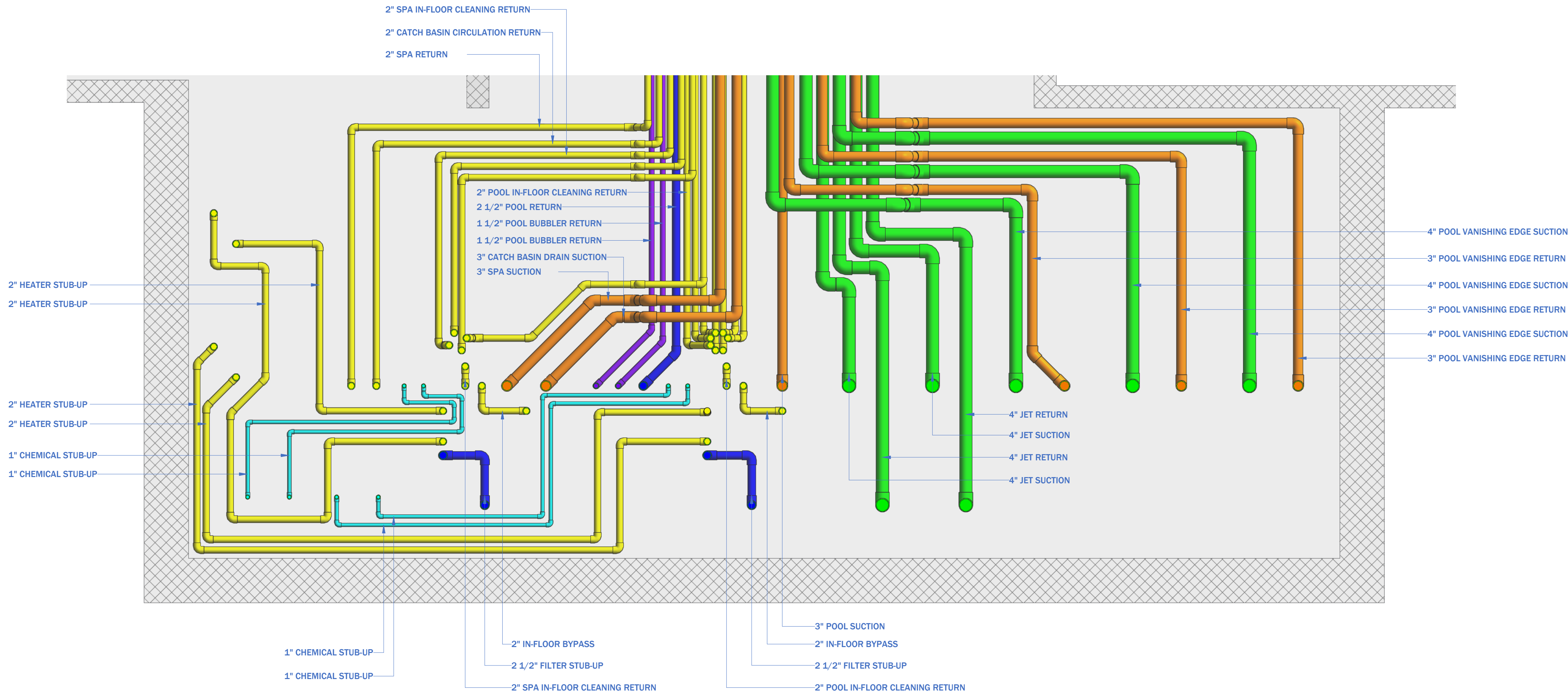


1 EQUIPMENT VAULT PLAN
1/2" = 1'-0"

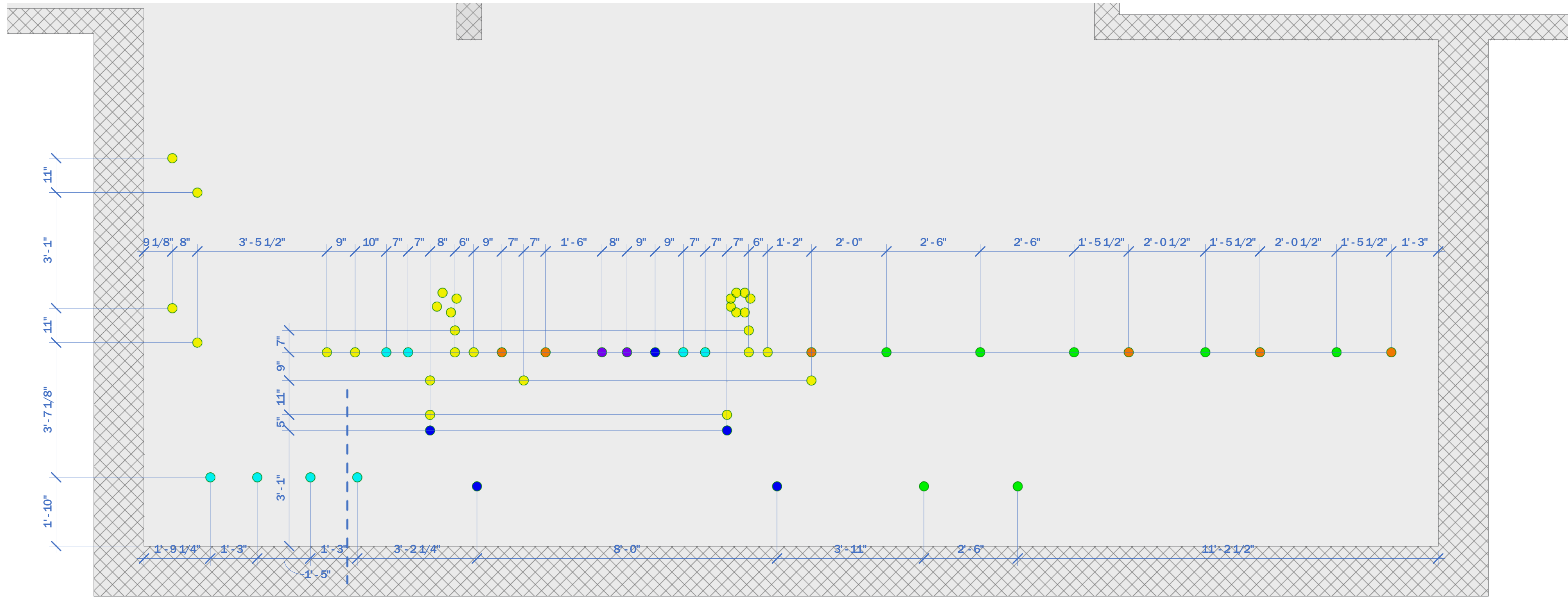


PIPE SIZE
LEGEND

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



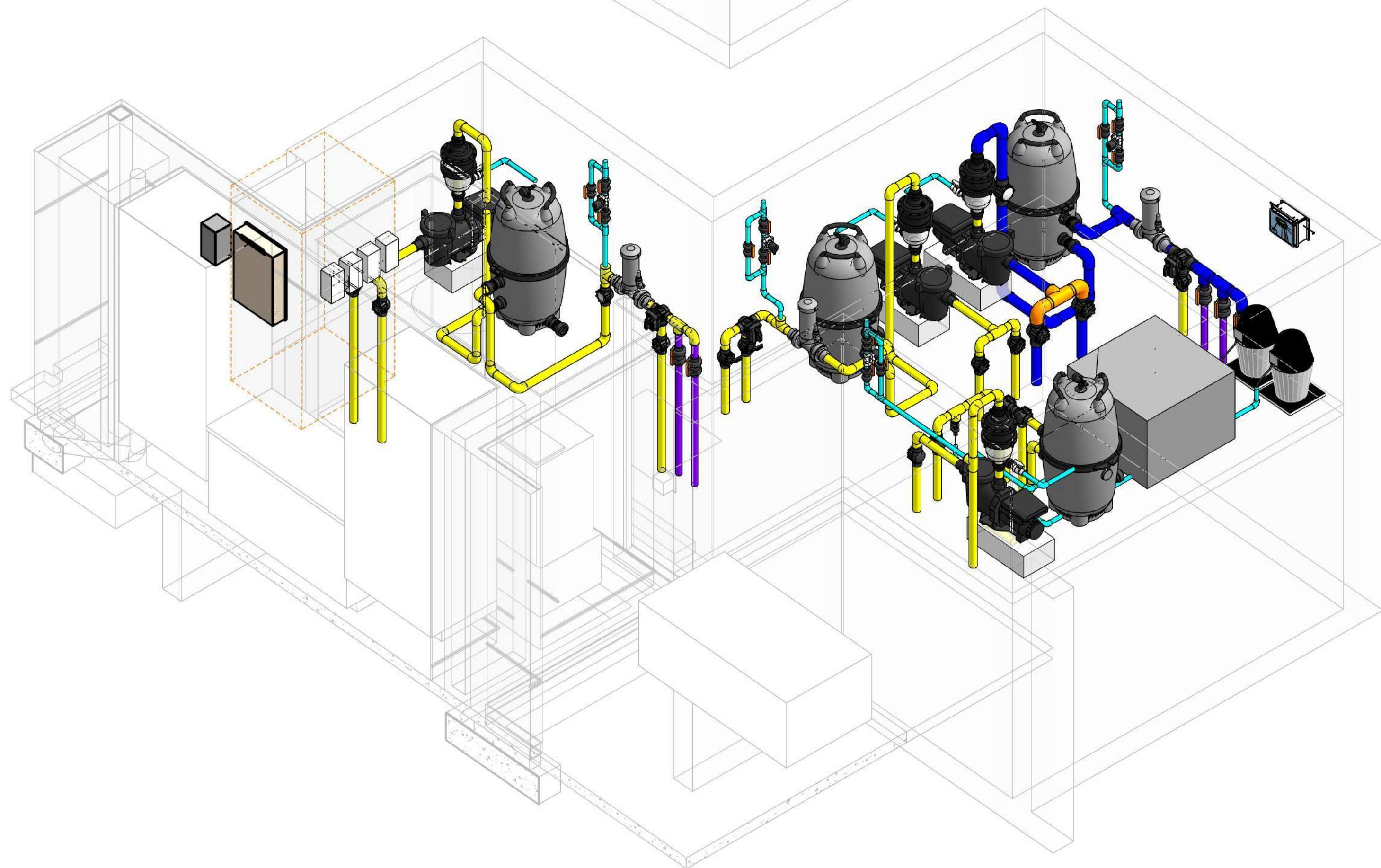
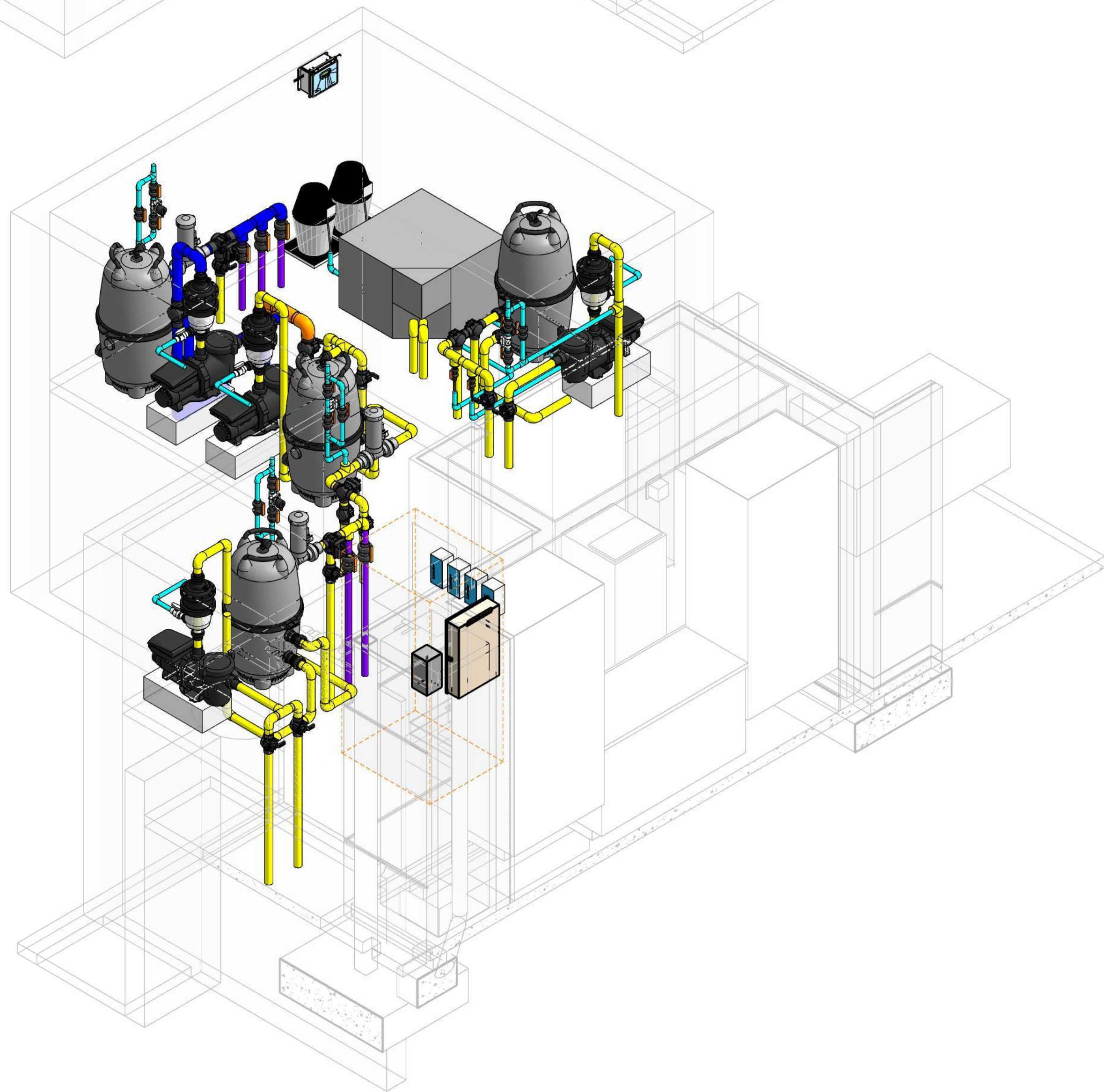
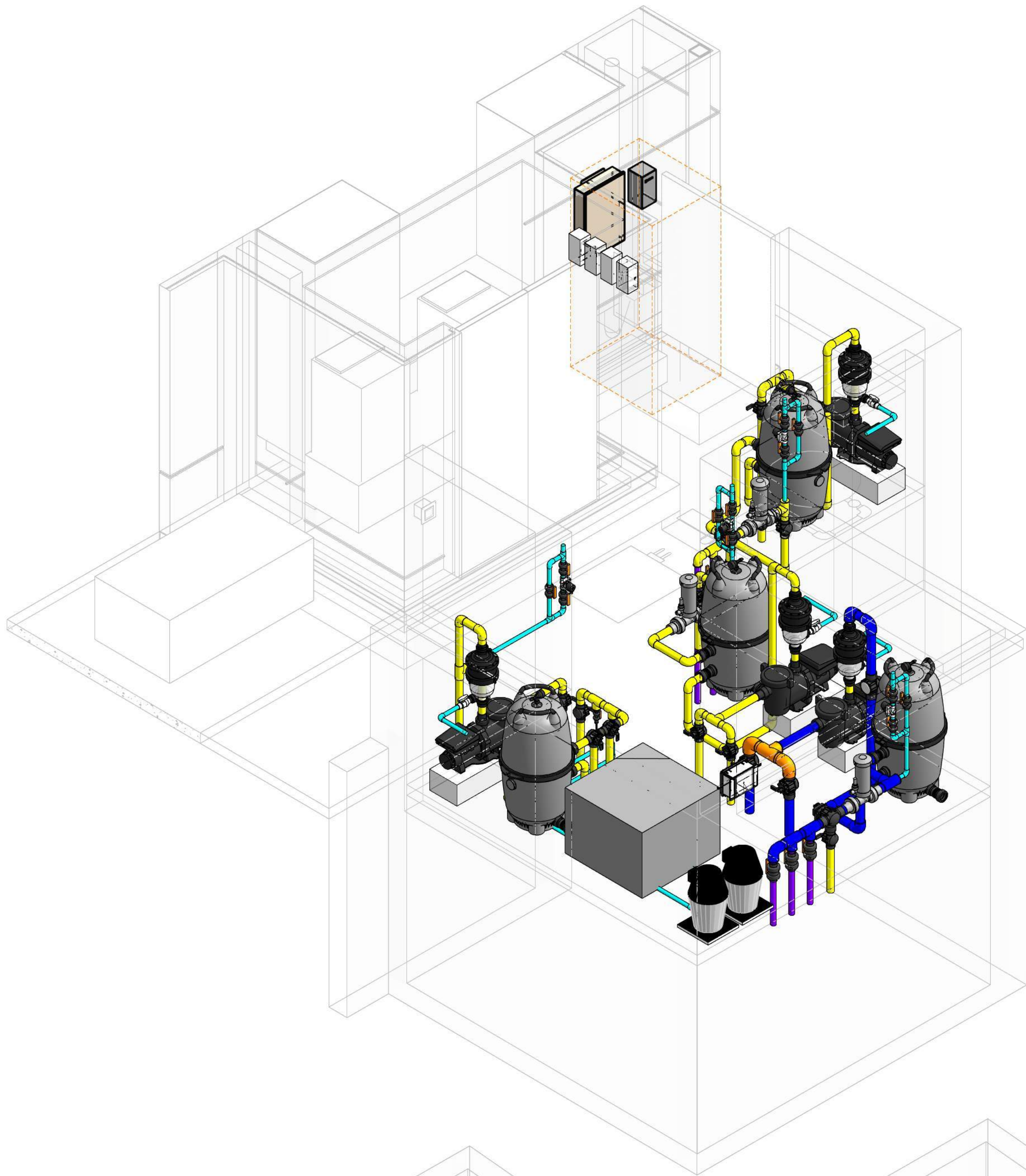
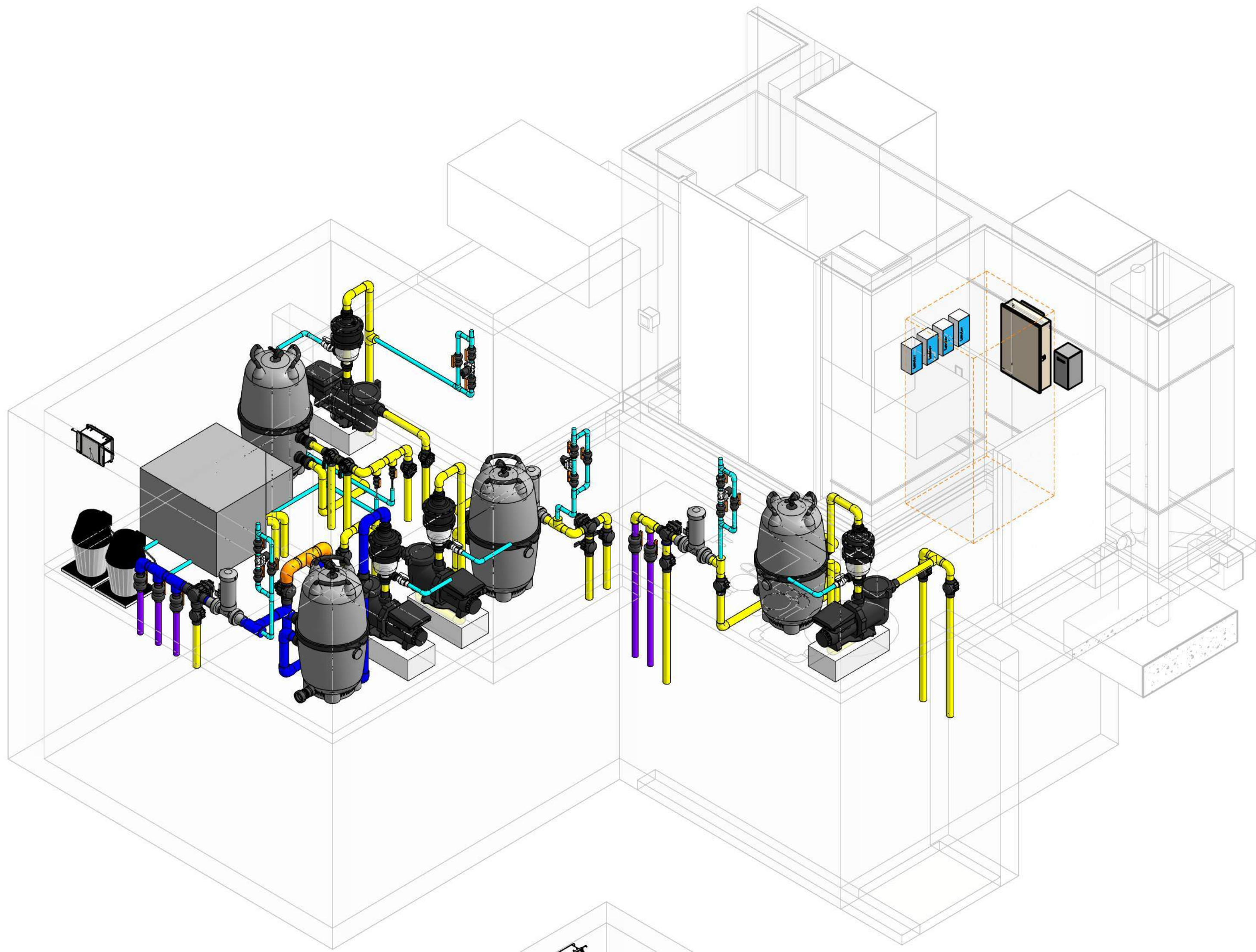
① EQUIPMENT VAULT SUB-SLAB PIPING PLAN
1/2" = 1'-0"



② EQUIPMENT VAULT PIPING STUB-UP PLAN
1/2" = 1'-0"

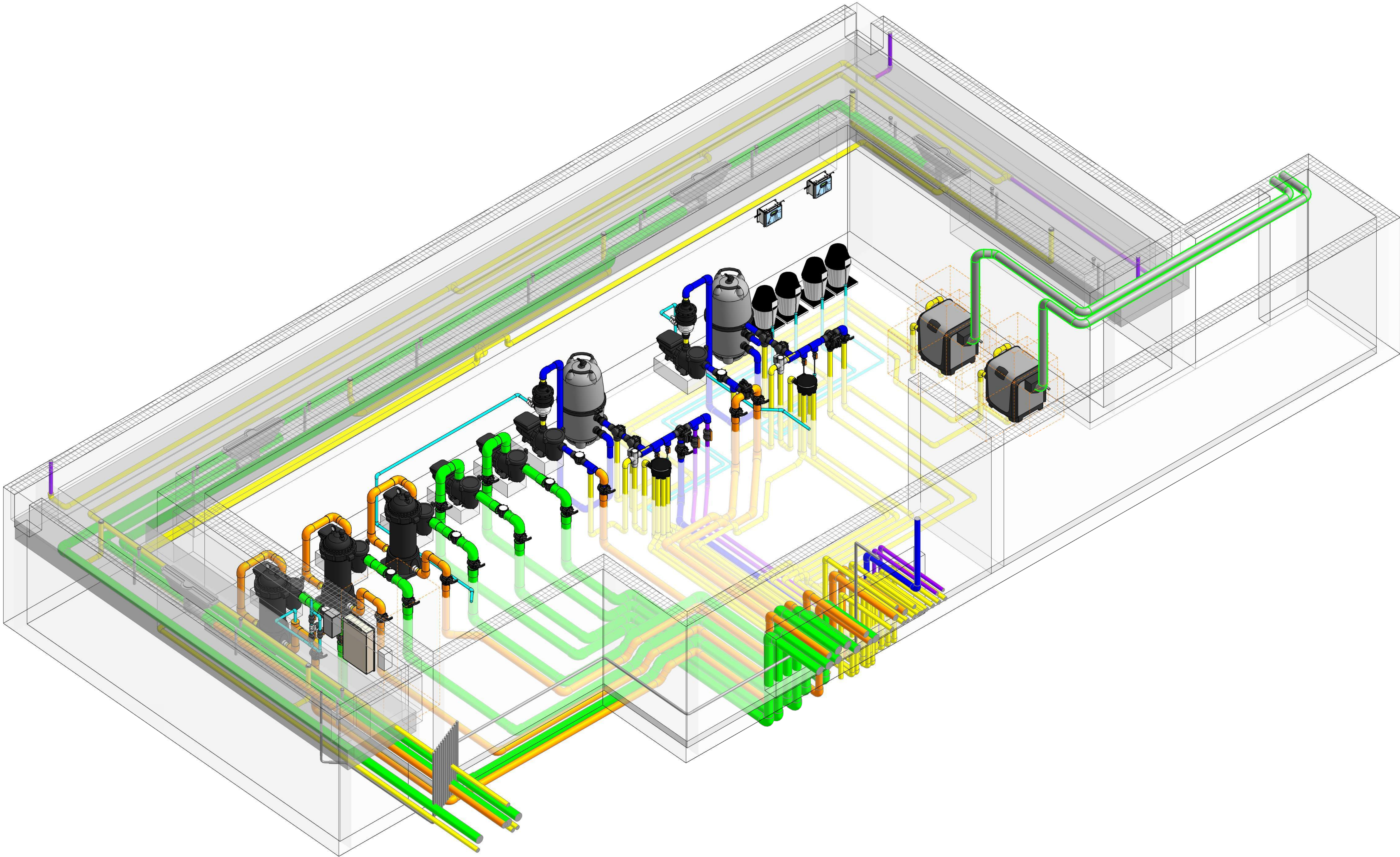
PIPE SIZE
LEGEND

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



PIPE SIZE
LEGEND

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



Equipment Schedule				
Keynote	Type	Manufacturer	Model #	Quantity
V-60	PUL Conekt Controller	PUL		2
Automation & Electrical				
A-2	Levolor K1100 Autofill Control Panel	Jandy	K1100CKC	1
C-5	IntelliChem Chemical Automation System	Pentair	521357	2
E-1	Aqualink RS Pool Automation System Panel	Jandy	RS-PS8	1
E-2	300W Low Voltage Transformer	Intermatic	PX300	1
V-32	Levolor Solenoid Valve	Jandy	LEVSOL100	1
Chemicals & Sanitizers				
C-16	IntelliChem Container	Pentair	521378	4
Circulation				
F-1	CL580 Cartridge Filter	Jandy	CL580	2
F-9	Multicyclone 16 Centrifugal Water Filter	Waterco	200370	2
H-2	JXI 400K BTU Natural Gas Heater	Jandy	JXI400N	2
P-1	ePump 2.7 HP Variable Speed Pump	Jandy	VSSHPP270DV2A	2
P-20	ePump 3.8 HP Variable Speed Pump	Jandy	VSSHPP38Q2AS	5
Filters				
F-8	Pipeline Filter (35000 Gallons)	Aquastar	PLF35000	3
Valves & Fittings				
FT-62	Chemical Injection Assembly	Spears, Asahi, Watts	878-005SR, 861-005, 6700-005-S, 838-073, 3513-1008	4
V-2	Diverter Valve 2"x2.5"	Jandy	4716	2
V-3	3W 2.5"x3"	Jandy	4719	4
V-4	Diverter Valve 2.5"x3"	Jandy	4718	14
V-7	True Union Ball Valve 1"	Asahi	6700-010-S	3
V-15	3W Control Valve 2.5"x3"	Jandy	4719 and 4424	3
V-21	Check Valve 2.5"x3"	Jandy	7307	7
V-29	True Union Ball Valve 1-1/2"	Asahi	6700-015-S	2
V-59	PUL Conekt 8-Port Valve	PUL	BY OTHERS	2

White Goods Schedule (Total)				
Keynote	Type	Manufacturer	Model #	Quantity
Automation & Electrical				
A-1	Levolor Remote Sensor Housing	Jandy	Included	5
L-7	Infinite Watercolors RGBW 15W, 100' Cord	Jandy	IWC15W100	25
Water Features				
FT-20	TruFit Bubbler with Infinite WaterColors LED Light	Jandy	JHCBUB & IWC25W200	7
White Goods				
FT-1	AVSC 32" Pebble Top Debris Removal Channel Drain	A&A	5714XX	2
FT-4	Flush-Mount Eyeball 1.5" Pool Return Fitting	Aquastar	JE31xx	2
FT-14	Collekt LD1 Debris Removal Drain	PUL	LD-1	6
FT-22	VGBA Certified 32" Channel Drain	AquaStar	32CDFLxxx	4
FT-60	Pebble Top Floor Return	Color Match	PTFR-01	6
FT-65	Vacuum Safety Lock Wall Fitting	Aquastar	VLK15T01	3
FT-67	Nozzle Body	PUL	VARIES	25
FT-89	Recessed Steps (Verify Color)	SR Smith	62-209-4001	4

Pipe Fitting Schedule		
Fitting type	Size	Count
Coupling - PVC	3"-3"	6
Coupling - PVC	4"-4"	17
Elbow - PVC - Sch 40	1 1/2"-1 1/2"	85
Elbow - PVC - Sch 40	1"-1"	189
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	59
Elbow - PVC - Sch 40	2"-2"	371
Elbow - PVC - Sch 40	3"-3"	125
Elbow - PVC - Sch 40	4"-4"	100
Reducer - PVC - Sch 40	2"-1"	1
Reducer Bushing	1 1/2"-1 1/2"	2
Reducer Bushing	1 5/8"-1 1/2"	10
Reducer Bushing	1"-1"	29
Reducer Bushing	1"-3/8"	8
Reducer Bushing	2 1/2"-1 1/2"	12
Reducer Bushing	2 1/2"-1"	1
Reducer Bushing	2 1/2"-1/2"	4
Reducer Bushing	2 1/2"-2"	23
Reducer Bushing	2"-1 1/2"	13
Reducer Bushing	2"-1"	5
Reducer Bushing	2"-1/2"	2
Reducer Bushing	2"-2"	2
Reducer Bushing	3"-1 1/2"	15
Reducer Bushing	3"-1"	1
Reducer Bushing	3"-1/2"	3
Reducer Bushing	3"-2 1/2"	3
Reducer Bushing	3"-2"	12
Reducer Bushing	4"-1"	26
Reducer Bushing	4"-2"	7
Reducer Bushing	4"-3"	31
Tee - PVC - Sch 40	1"-1"-1"	58
Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	19
Tee - PVC - Sch 40	2"-2"-2"	38
Tee - PVC - Sch 40	3"-3"-3"	23
Tee - PVC - Sch 40	4"-4"-4"	32

Pipe Schedule	
Size	Length
1 1/2"	1265'
1"	309'
2 1/2"	592'
2"	2393'
3"	717'
3/4"	0'
4"	634'

Pipe Fitting Schedule by Phase		
Fitting type	Size	Count
Phase 1: Stub-out		
Elbow - PVC - Sch 40	1 1/2"-1 1/2"	29
Elbow - PVC - Sch 40	1"-1"	131
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	12
Elbow - PVC - Sch 40	2"-2"	115
Elbow - PVC - Sch 40	3"-3"	7
Elbow - PVC - Sch 40	4"-4"	29
Reducer - PVC - Sch 40	2"-1"	1
Reducer Bushing	2 1/2"-1 1/2"	7
Reducer Bushing	2"-1 1/2"	11
Reducer Bushing	2"-1"	2
Reducer Bushing	2"-2"	1
Reducer Bushing	3"-2 1/2"	1
Reducer Bushing	3"-2"	3
Reducer Bushing	4"-1"	26
Reducer Bushing	4"-3"	7
Tee - PVC - Sch 40	1"-1"-1"	48
Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	7
Tee - PVC - Sch 40	2"-2"-2"	29
Tee - PVC - Sch 40	4"-4"-4"	32

Phase 2: Pipe Trenches		
Elbow - PVC - Sch 40	1 1/2"-1 1/2"	56
Elbow - PVC - Sch 40	1"-1"	24
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	30
Elbow - PVC - Sch 40	2"-2"	201
Elbow - PVC - Sch 40	3"-3"	91
Elbow - PVC - Sch 40	4"-4"	62
Reducer Bushing	1 1/2"-1 1/2"	2
Reducer Bushing	1 5/8"-1 1/2"	3
Reducer Bushing	2"-2"	1
Reducer Bushing	3"-1 1/2"	15
Reducer Bushing	3"-1/2"	3
Tee - PVC - Sch 40	2"-2"-2"	1
Tee - PVC - Sch 40	3"-3"-3"	21

Phase 3: Pool Equipment Room		
Coupling - PVC	3"-3"	6
Coupling - PVC	4"-4"	17
Elbow - PVC - Sch 40	1"-1"	13
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	9
Elbow - PVC - Sch 40	2"-2"	19
Elbow - PVC - Sch 40	3"-3"	25
Elbow - PVC - Sch 40	4"-4"	9
Reducer Bushing	1 5/8"-1 1/2"	4
Reducer Bushing	1"-1"	6
Reducer Bushing	1"-3/8"	8
Reducer Bushing	2 1/2"-1 1/2"	2
Reducer Bushing	2 1/2"-1/2"	4
Reducer Bushing	2 1/2"-2"	9
Reducer Bushing	3"-1"	1
Reducer Bushing	3"-2 1/2"	1
Reducer Bushing	3"-2"	9
Reducer Bushing	4"-2"	7
Reducer Bushing	4"-3"	24
Tee - PVC - Sch 40	1"-1"-1"	2
Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	9
Tee - PVC - Sch 40	3"-3"-3"	1

Phase 4: Equipment Pad		
Elbow - PVC - Sch 40	1"-1"	21
Elbow - PVC - Sch 40	2 1/2"-2 1/2"	8
Elbow - PVC - Sch 40	2"-2"	36
Elbow - PVC - Sch 40	3"-3"	2
Reducer Bushing	1 5/8"-1 1/2"	3
Reducer Bushing	1"-1"	23
Reducer Bushing	2 1/2"-1 1/2"	3
Reducer Bushing	2 1/2"-1"	1
Reducer Bushing	2 1/2"-2"	14
Reducer Bushing	2"-1 1/2"	2
Reducer Bushing	2"-1"	3
Reducer Bushing	2"-1/2"	2
Reducer Bushing	3"-2 1/2"	1
Tee - PVC - Sch 40	1"-1"-1"	8
Tee - PVC - Sch 40	2 1/2"-2 1/2"-2 1/2"	3
Tee - PVC - Sch 40	2"-2"-2"	8
Tee - PVC - Sch 40	3"-3"-3"	1

Pipe Schedule by Phase	
Size	Length
Phase 1: Stub-out	
1 1/2"	280'
1"	172'
2 1/2"	91'
2"	713'
3"	75'
4"	277'

Phase 2: Pipe Trenches	
1 1/2"	966'
1"	44'
2 1/2"	459'
2"	1502'
3"	614'
4"	331'

Phase 3: Pool Equipment Room	
1 1/2"	5'
1"	51'
2 1/2"	28'
2"	95'
3"	28'
3/4"	0'
4"	26'

Phase 4: Equipment Pad	
1 1/2"	13'
1"	43'
2 1/2"	13'
2"	84'
3"	0'

1 PHASE 1 - STUB-OUT
NO SCALE

2 PHASE 2 - PIPE TRENCHES
NO SCALE

3 PHASE 3 - POOL EQUIPMENT VAULT
NO SCALE

4 PHASE 4 - FOUNTAIN EQUIPMENT PAD