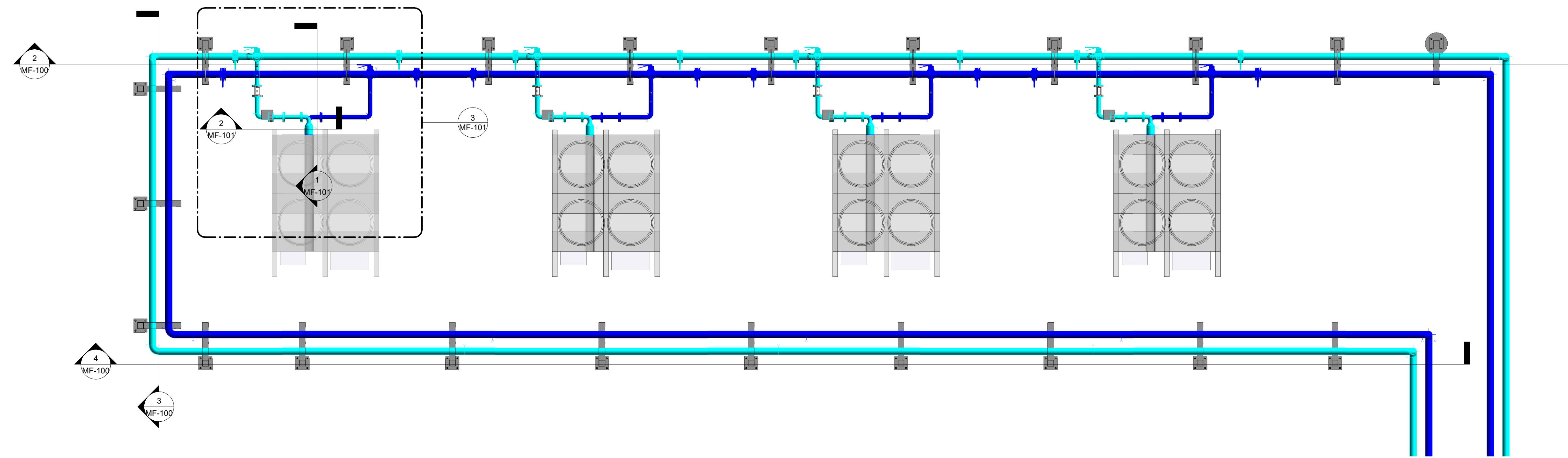
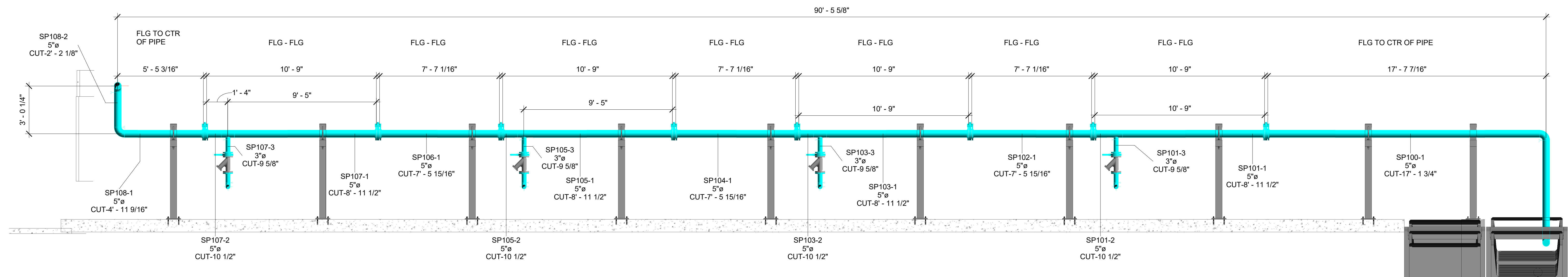


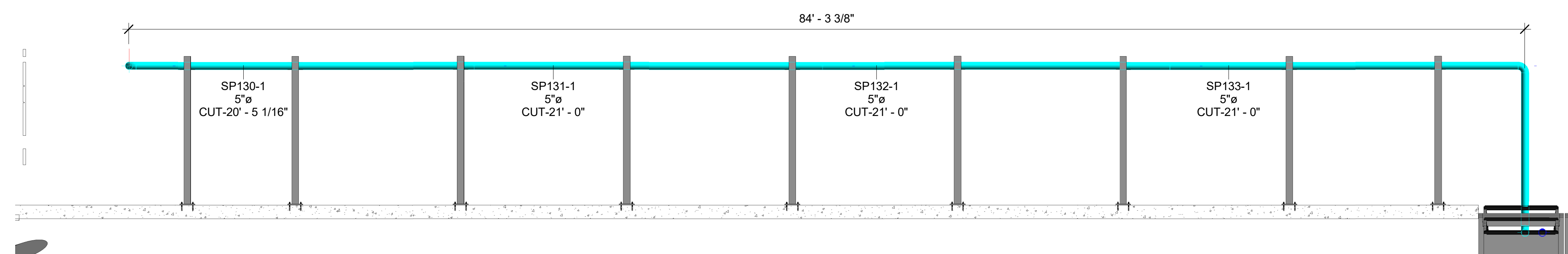


Symphony Consulting uses a software called Sysque which uses real world parts. This allows us to create material list and pipe cut list straight out of our models. See page four of this file for an example.

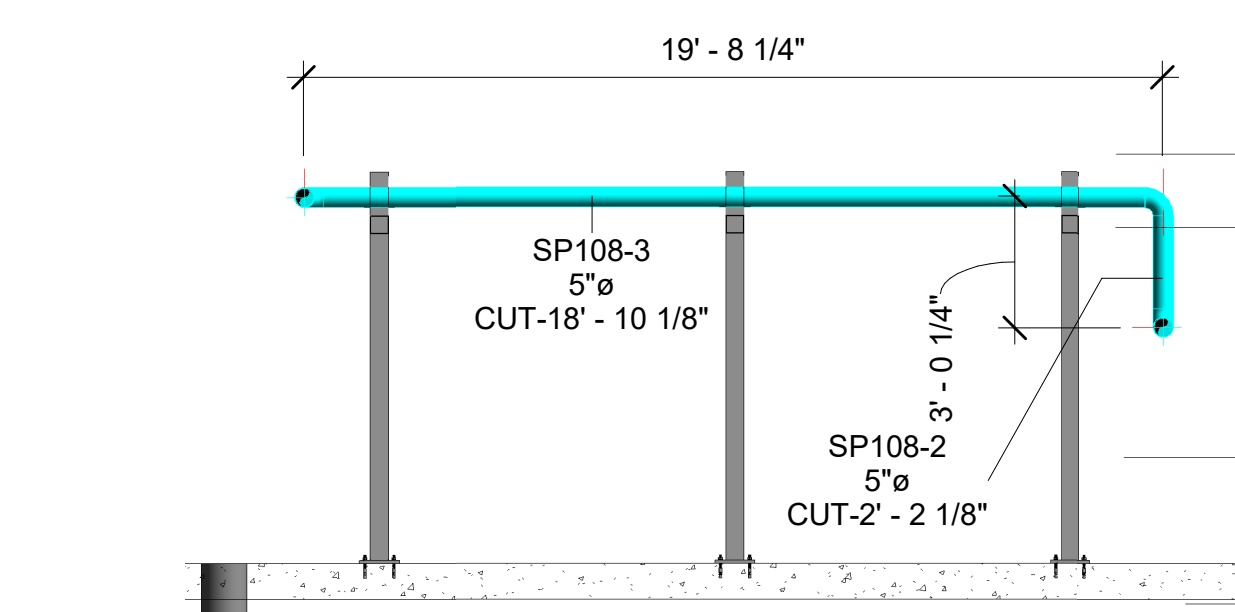
1 00 MECH MEP SLAB CHWR
1/4" = 1'-0"



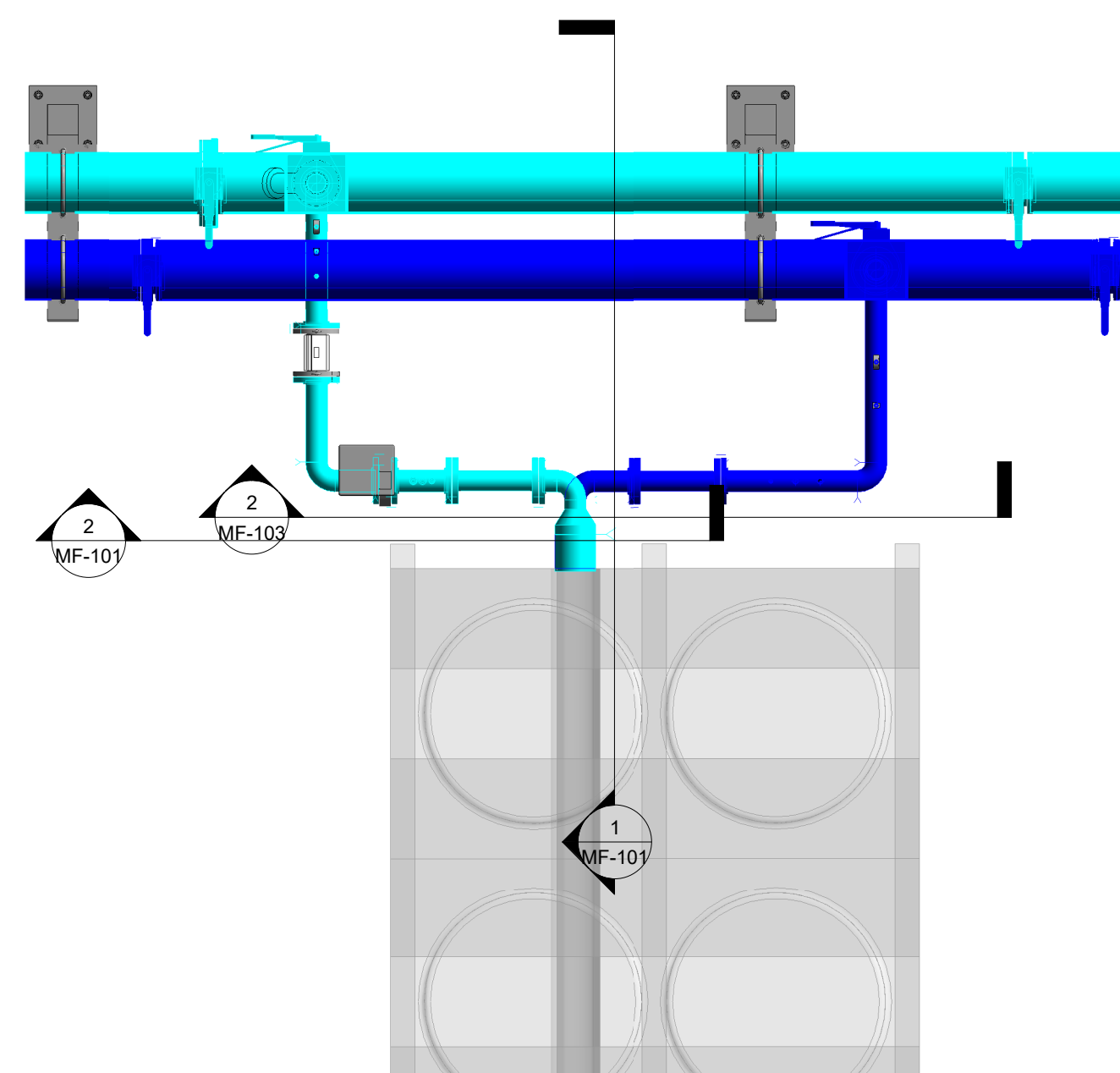
2 Fab 100-A
3/8" = 1'-0"



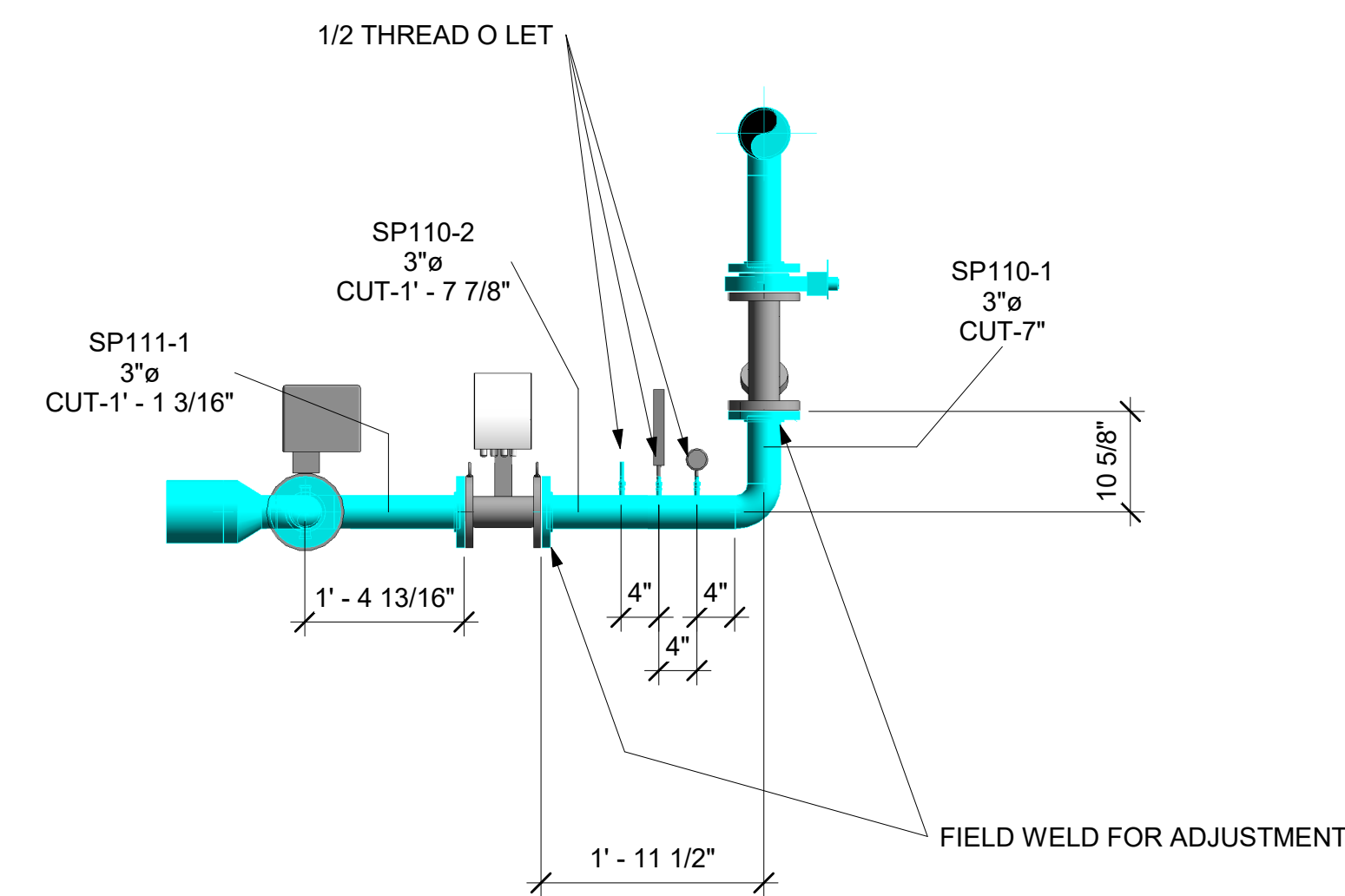
4 Fab 100-C
1/4" = 1'-0"



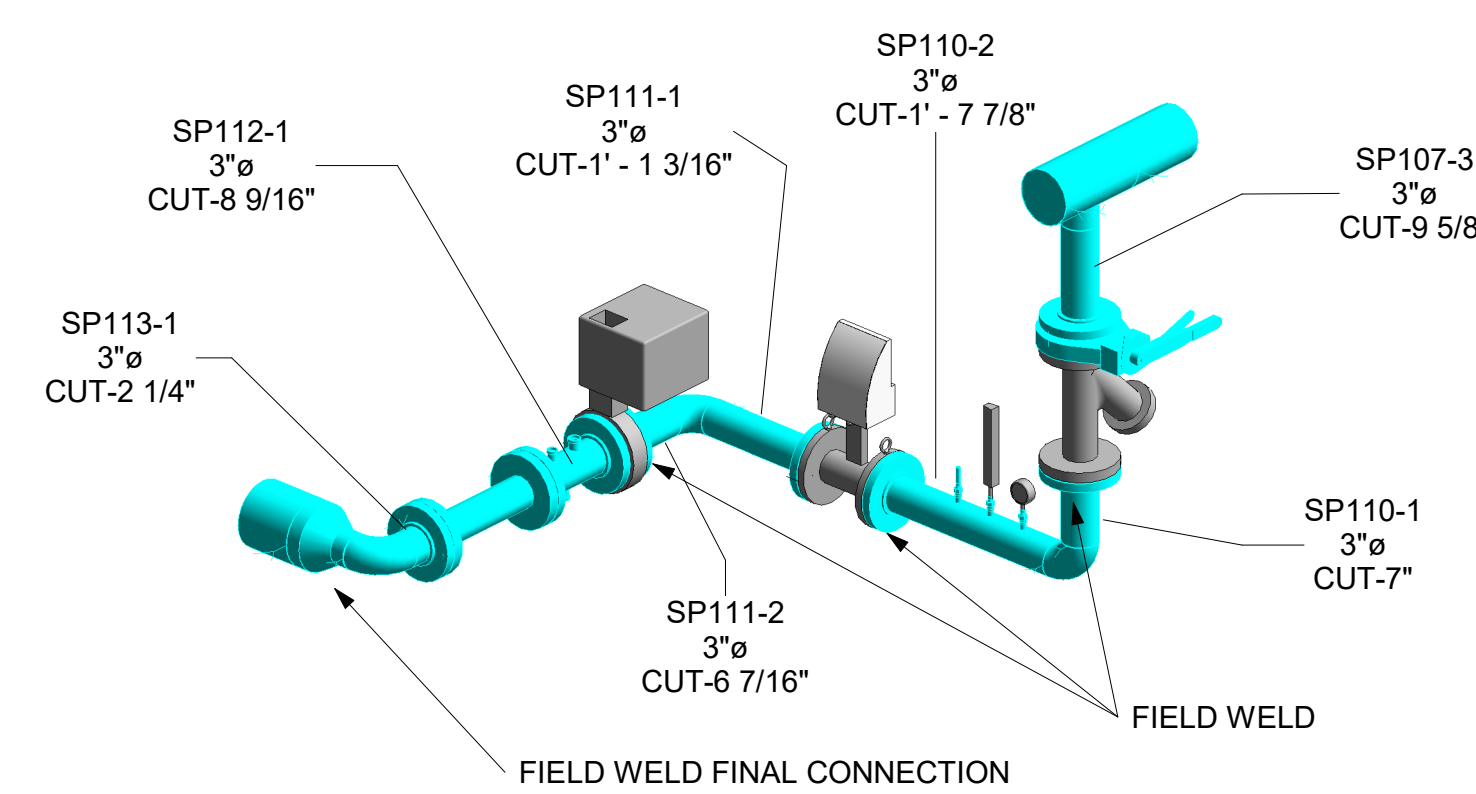
3 Fab 100-B
1/4" = 1'-0"



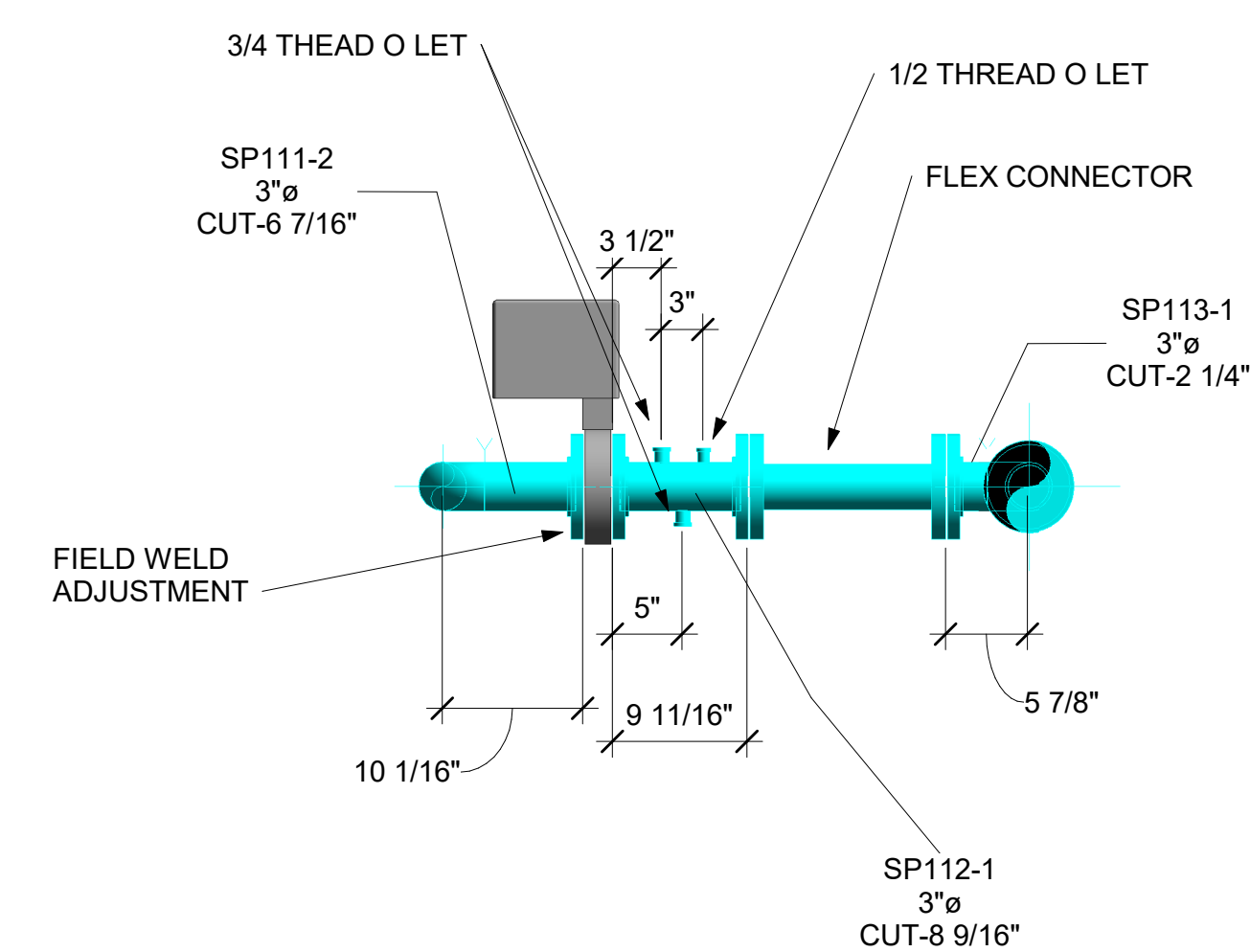
3 Chiller Connection CHWR
1/2" = 1'-0"



1 Chiller Connection CHWR A
3/4" = 1'-0"

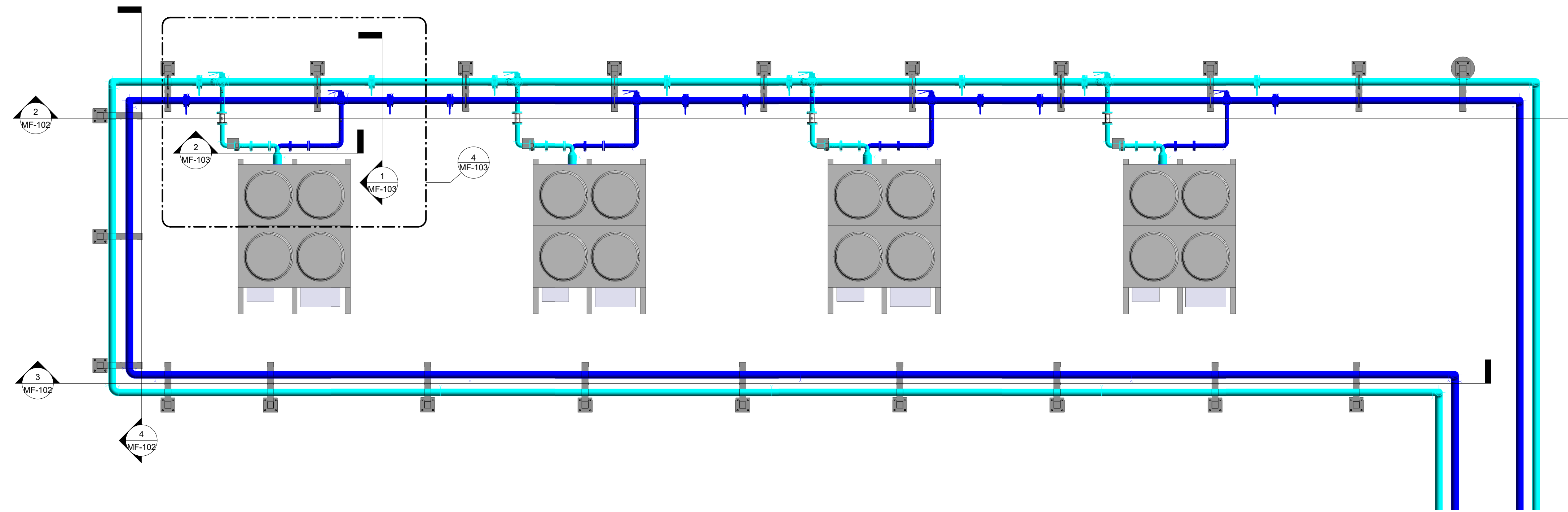


4 CHILLER CONNECTIONS CHWR



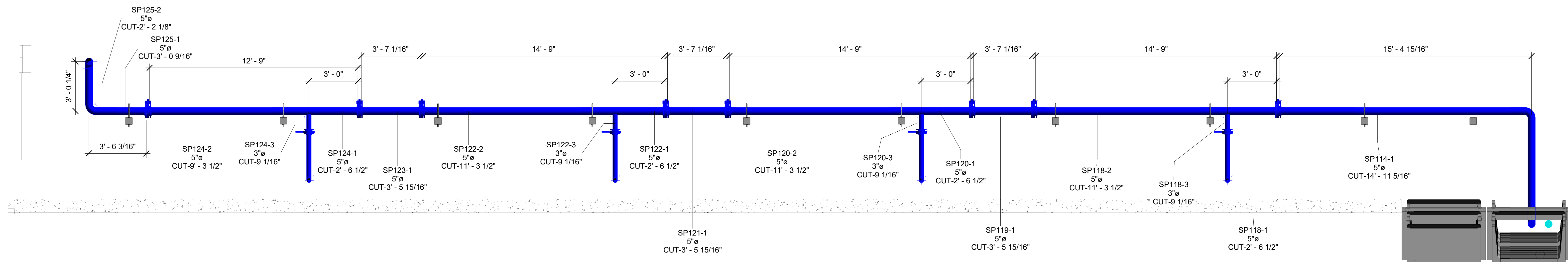
2 Chiller Connection CHWR B
1" = 1'-0"

These Drawings are the CHWR Connection to the chiller. Four are required and the pipe spool numbers are the same for all four.



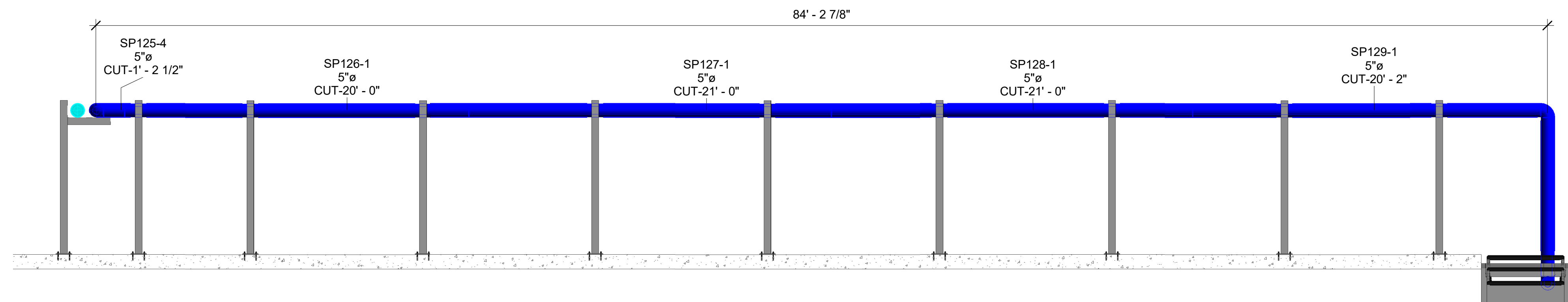
1 00 MECH MEP SLAB CHWS

1/4" = 1'-0"



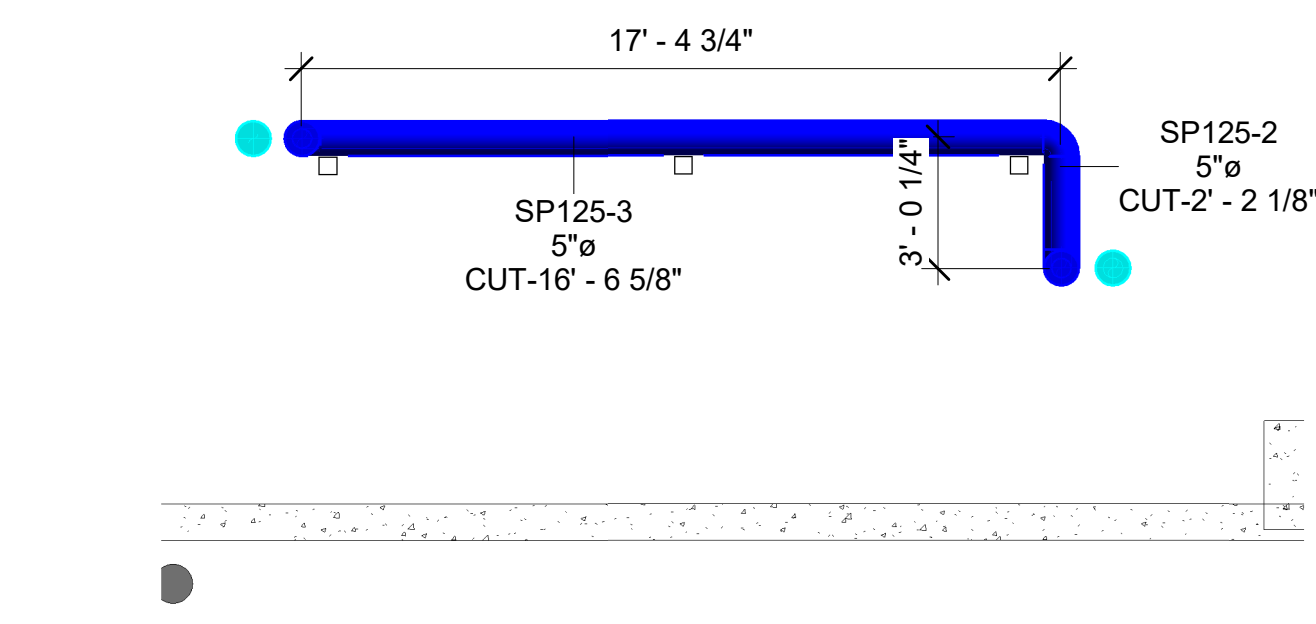
2 Fab 101-A

3/8" = 1'-0"



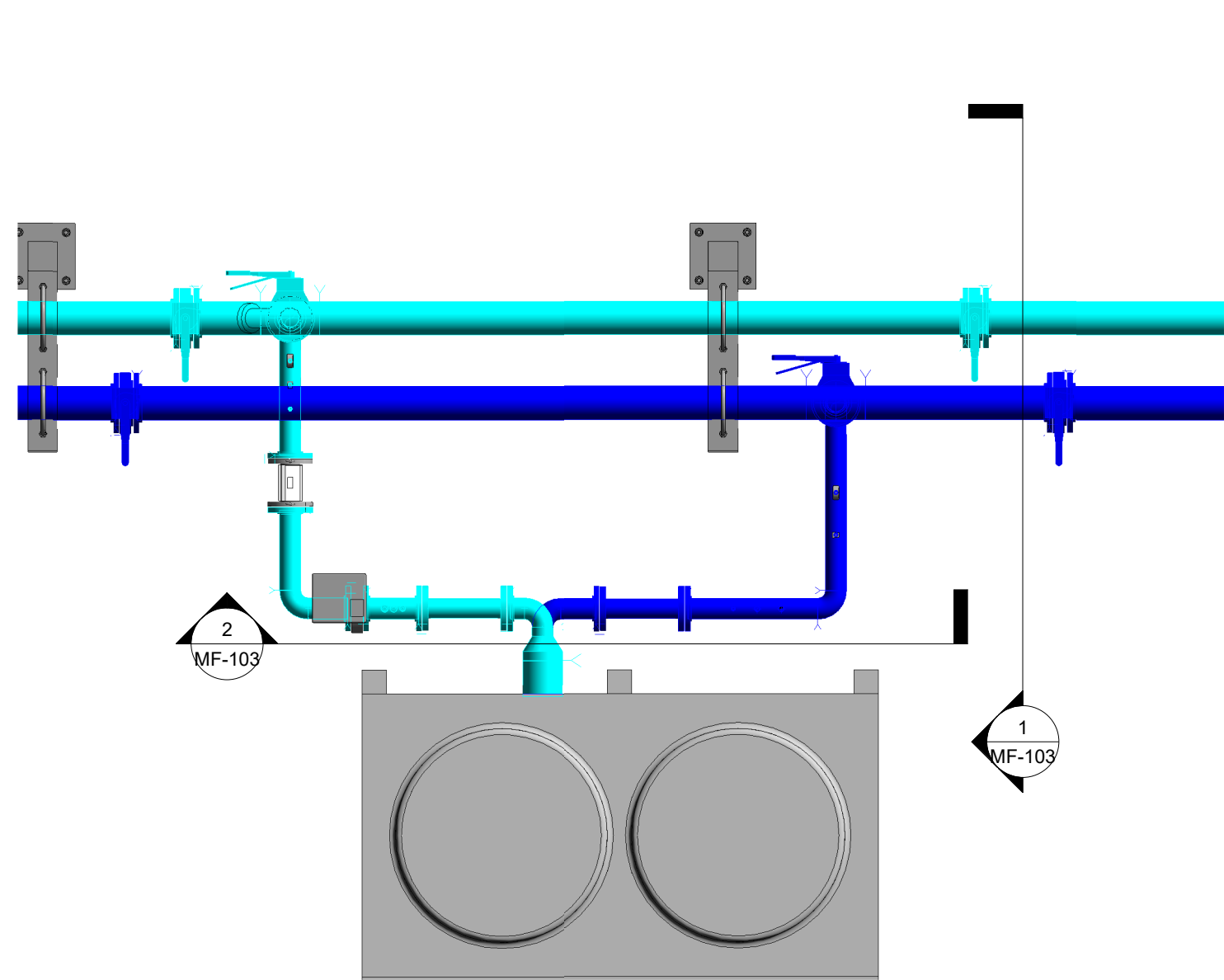
3 Fab 101-C

1/4" = 1'-0"

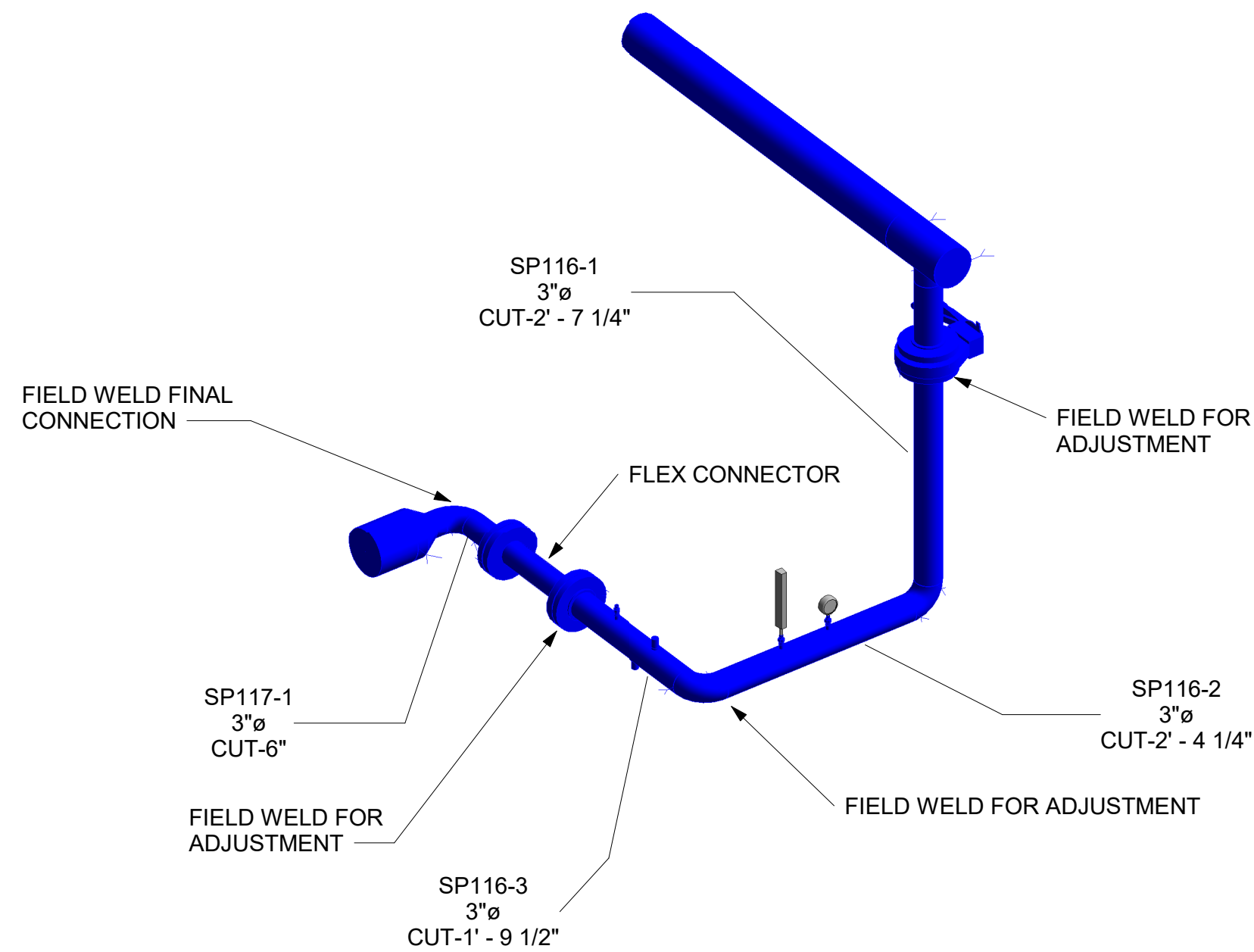


4 Fab 101-B

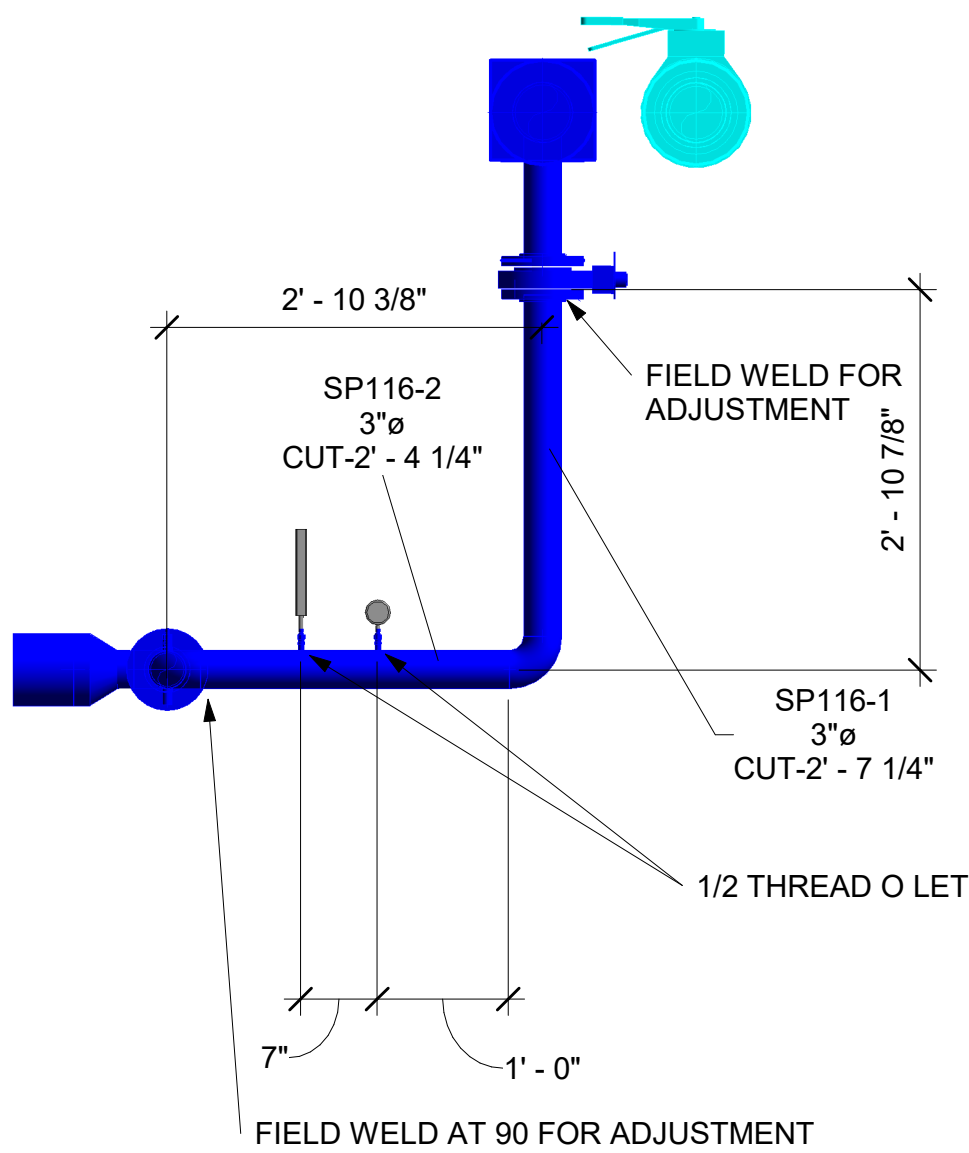
1/4" = 1'-0"



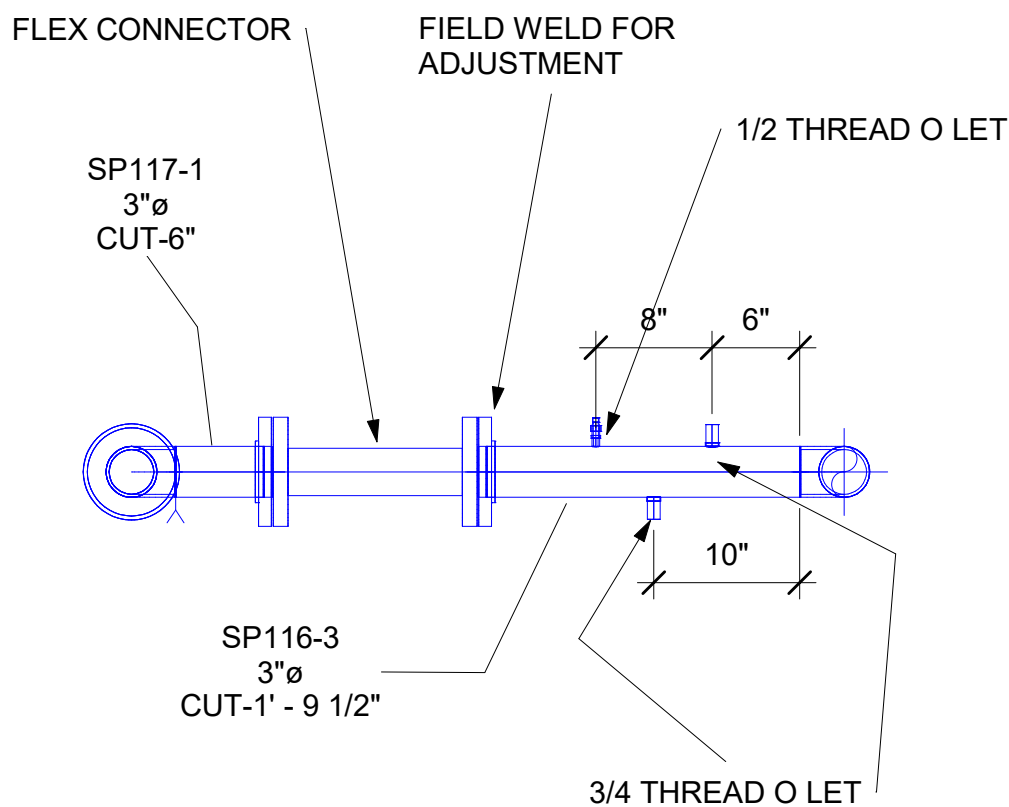
4 Chiller Connection CHWS
1/2" = 1'-0"



3 CHILLER CONNECTIONS CHWS



1 Chiller Connection CHWS A
3/4" = 1'-0"



2 Chiller Connection CHWS B
1" = 1'-0"

Pipe Fitting Schedule Chiller Pad			
Spool Location	Count	Product Description	Size
Chiller Pad	24	WeldBend CS SchSTD 90 Short Radius Elbow BWxBW	3"ø-3"ø
Chiller Pad	5	WeldBend CS SchSTD 90 Short Radius Elbow BWxBW	5"ø-5"ø
Chiller Pad	8	WeldBend CS SchSTD Concentric Reducer BWxBW	6"ø-3"ø
Chiller Pad	8	WeldBend CS SchSTD Reducing Tee BWxBWxBW	5"ø-5"ø-3"ø
Chiller Pad	96	WeldBend CS SchSTD Shop Weld Gap 0_0625	3"ø-3"ø
Chiller Pad	64	WeldBend CS SchSTD Shop Weld Gap 0_0625	5"ø-5"ø
Chiller Pad	8	WeldBend CS SchSTD Shop Weld Gap 0_0625	6"ø-6"ø
Grand total:	213		

Pipe Accessory Schedule Chiller Pad			
Spool Location	Count	Size	Family
Chiller Pad	52	3"ø-3"ø	FNW R-150-RG-A Rubber Gasket
Chiller Pad	32	5"ø-5"ø	FNW R-150-RG-A Rubber Gasket
Chiller Pad	8	3"ø-3"ø	Valve-Butterfly-Bray-High_Performance-41-Manual
Chiller Pad	16	5"ø-5"ø	Valve-Butterfly-Bray-High_Performance-41-Manual
Chiller Pad	48	3"ø-3"ø	WeldBend CS Class 150 Slip-On RF Flange FlgdxSW
Chiller Pad	32	5"ø-5"ø	WeldBend CS Class 150 Slip-On RF Flange FlgdxSW
Grand total:	188		

Pipe Cut Schedule Chiller Pad					
Spool Location	Pipe Spool #	Count	Size	Length	Notes
Chiller Pad	Equipment Connection	8	3/4"ø	1 1/2"	
Chiller Pad	Equipment Connection	4	1/4"ø	1 7/8"	
Chiller Pad	Equipment Connection	4	6"ø	5 1/2"	
Chiller Pad	Equipment Connection	4	6"ø	5 15/16"	
Chiller Pad	SP100-1	1	5"ø	17" - 1 3/4"	
Chiller Pad	SP101-1	1	5"ø	8" - 11 1/2"	
Chiller Pad	SP101-2	1	5"ø	10 1/2"	
Chiller Pad	SP101-3	1	3"ø	9 5/8"	
Chiller Pad	SP102-1	1	5"ø	7" - 5 15/16"	
Chiller Pad	SP103-1	1	5"ø	8" - 11 1/2"	
Chiller Pad	SP103-2	1	5"ø	10 1/2"	
Chiller Pad	SP103-3	1	3"ø	9 5/8"	
Chiller Pad	SP104-1	1	5"ø	7" - 5 15/16"	
Chiller Pad	SP105-1	1	5"ø	8" - 11 1/2"	
Chiller Pad	SP105-2	1	5"ø	10 1/2"	
Chiller Pad	SP105-3	1	3"ø	9 5/8"	
Chiller Pad	SP106-1	1	5"ø	7" - 5 15/16"	
Chiller Pad	SP107-1	1	5"ø	8" - 11 1/2"	
Chiller Pad	SP107-2	1	5"ø	10 1/2"	
Chiller Pad	SP107-3	1	3"ø	9 5/8"	
Chiller Pad	SP108-1	1	5"ø	4" - 11 9/16"	
Chiller Pad	SP108-2	1	5"ø	2" - 2 1/8"	
Chiller Pad	SP108-3	1	5"ø	18" - 10 1/8"	
Chiller Pad	SP110-1	4	3"ø	7"	Add 1" For Field Adjustment
Chiller Pad	SP110-2	4	3"ø	1" - 7 7/8"	Add 1" For Field Adjustment
Chiller Pad	SP111-1	4	3"ø	1" - 1 3/16"	Add 1" For Field Adjustment
Chiller Pad	SP111-2	4	3"ø	6 7/16"	
Chiller Pad	SP112-1	4	3"ø	8 9/16"	
Chiller Pad	SP113-1	4	3"ø	2 1/4"	
Chiller Pad	SP114-1	1	5"ø	14" - 11 5/16"	
Chiller Pad	SP116-1	4	3"ø	2" - 7 1/4"	Add 1" For Field Adjustment
Chiller Pad	SP116-2	4	3"ø	2" - 4 1/4"	Add 1" For Field Adjustment
Chiller Pad	SP116-3	4	3"ø	1" - 9 1/2"	Add 1" For Field Adjustment
Chiller Pad	SP117-1	4	3"ø	6"	
Chiller Pad	SP118-1	1	5"ø	2" - 6 1/2"	
Chiller Pad	SP118-2	1	5"ø	11" - 3 1/2"	
Chiller Pad	SP118-3	1	3"ø	9 1/16"	
Chiller Pad	SP119-1	1	5"ø	3" - 5 15/16"	
Chiller Pad	SP120-1	1	5"ø	2" - 6 1/2"	
Chiller Pad	SP120-2	1	5"ø	11" - 3 1/2"	
Chiller Pad	SP120-3	1	3"ø	9 1/16"	
Chiller Pad	SP121-1	1	5"ø	3" - 5 15/16"	
Chiller Pad	SP122-1	1	5"ø	2" - 6 1/2"	
Chiller Pad	SP122-2	1	5"ø	11" - 3 1/2"	
Chiller Pad	SP122-3	1	3"ø	9 1/16"	
Chiller Pad	SP123-1	1	5"ø	3" - 5 15/16"	
Chiller Pad	SP124-1	1	5"ø	2" - 6 1/2"	
Chiller Pad	SP124-2	1	5"ø	9" - 3 1/2"	
Chiller Pad	SP124-3	1	3"ø	9 1/16"	
Chiller Pad	SP125-1	1	5"ø	3" - 0 9/16"	
Chiller Pad	SP125-2	1	5"ø	2" - 2 1/8"	
Chiller Pad	SP125-3	1	5"ø	16" - 6 5/8"	
Chiller Pad	SP125-4	1	5"ø	1" - 2 1/2"	
Chiller Pad	SP126-1	1	5"ø	20" - 0"	
Chiller Pad	SP127-1	1	5"ø	21" - 0"	
Chiller Pad	SP128-1	1	5"ø	21" - 0"	
Chiller Pad	SP129-1	1	5"ø	20" - 2"	
Chiller Pad	SP130-1	1	5"ø	20" - 5 1/16"	
Chiller Pad	SP131-1	1	5"ø	21" - 0"	
Chiller Pad	SP132-1	1	5"ø	21" - 0"	
Chiller Pad	SP133-1	1	5"ø	21" - 0"	
Grand total:	107				

These Drawings are the CHWS Connection to the chiller. Four are required and the pipe spool numbers are the same for all four.