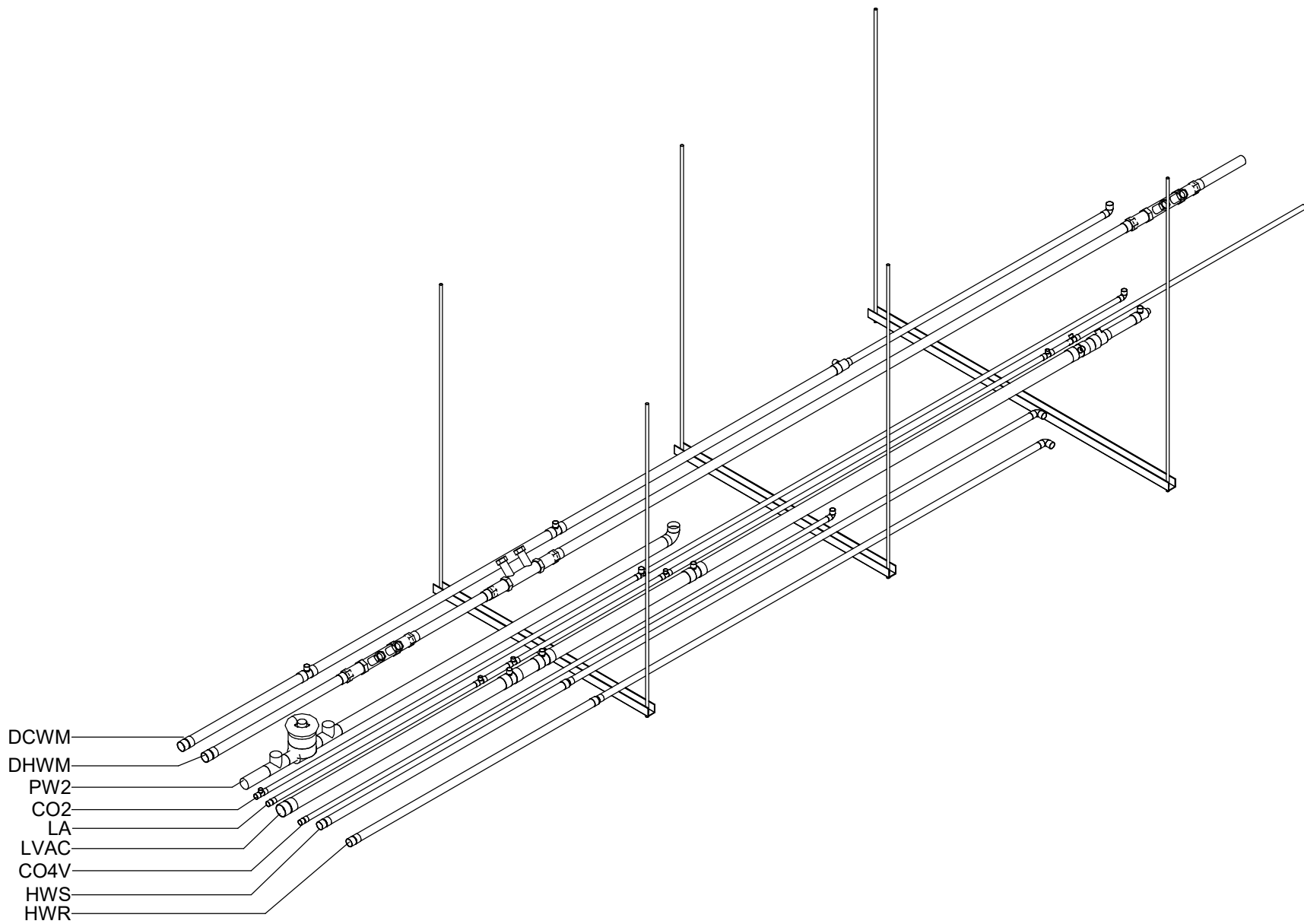
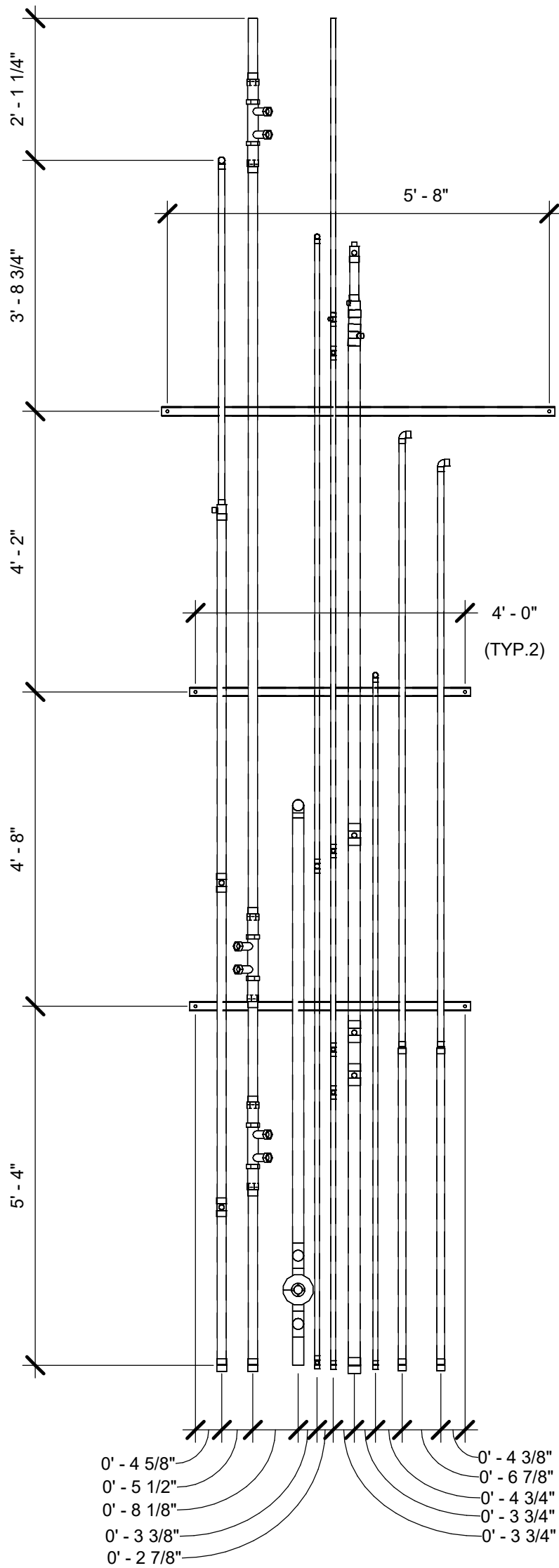


BIM 360//WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
8/13/2021 12:11:33 PM



2 AS-L03-074 - ISOMETRIC
AS-L03-074 SCALE:



1 AS-L03-074
AS-L03-074 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: AS-L03-074
Drawn By: Author
DATE: 08/09/21 DATE REQ:

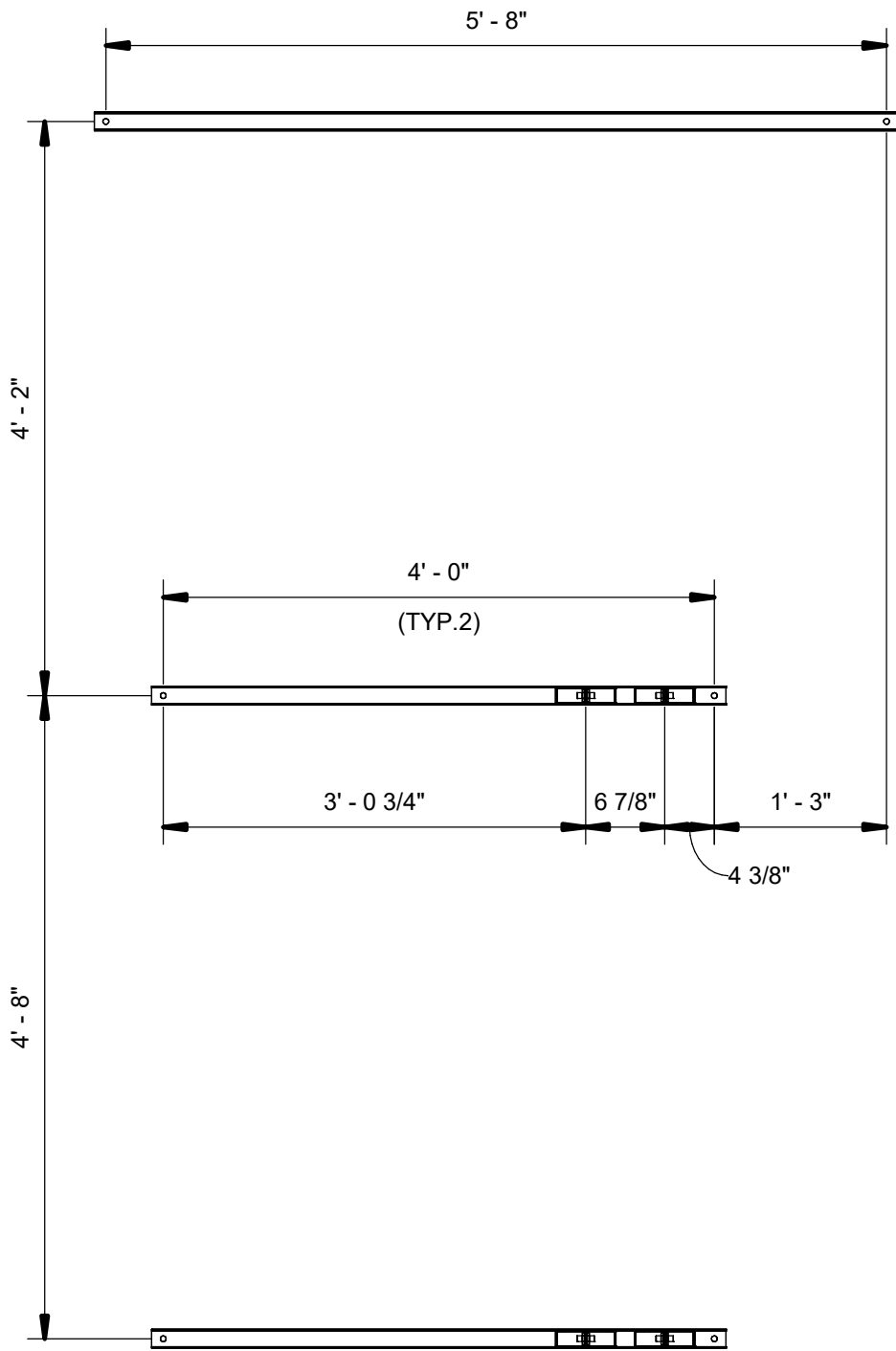


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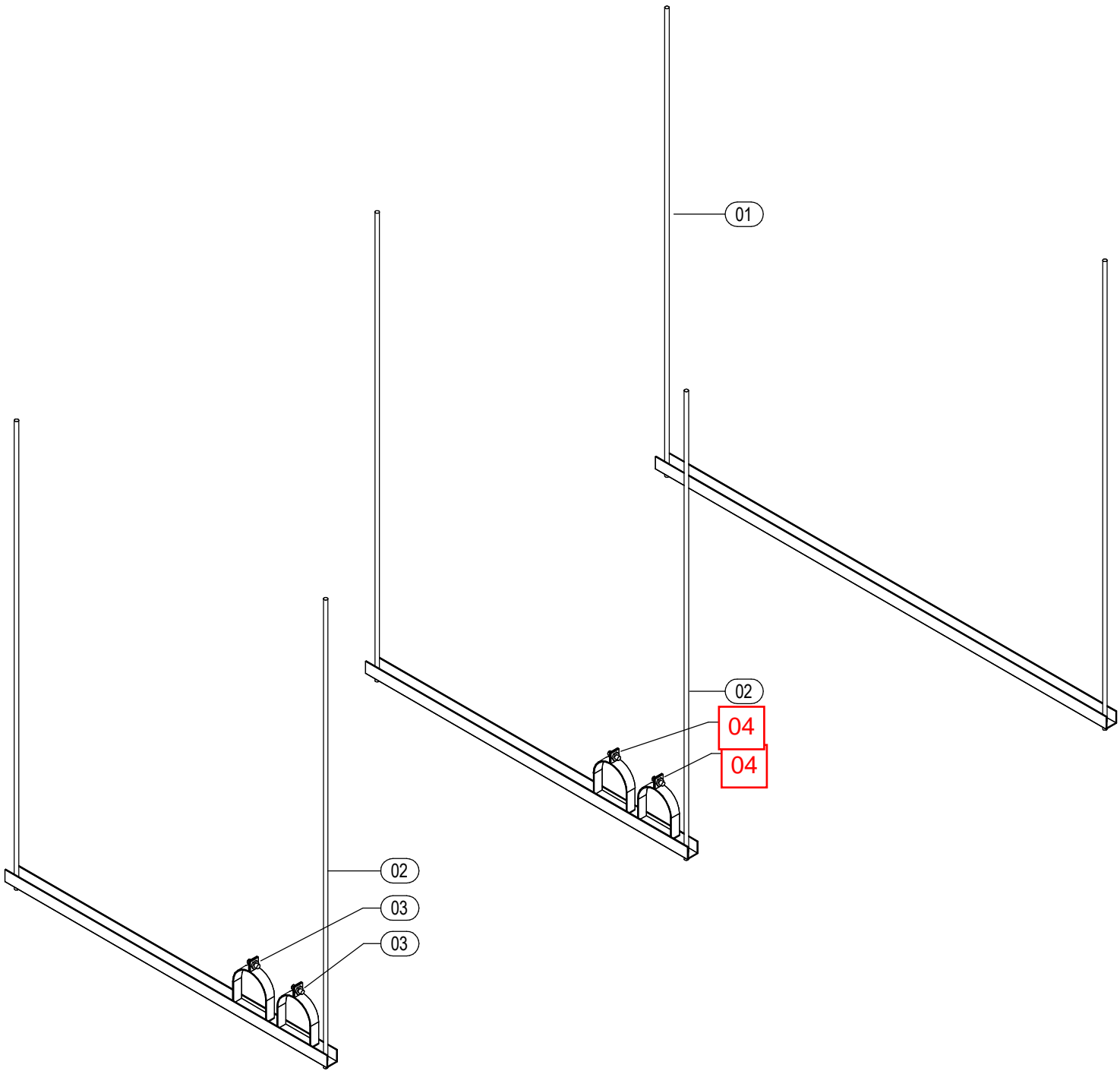
BIM 360://WUSM NRBWUSM_RB_HPF.rvt
8/20/2021 1:46:41 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	66"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut					
02	2	46"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut					
03	4	4.5"	B-Line B2000 ZN Co. 40 Pipe Clamp					

03	2	3 1/8"	B-LINE #2046
04	2	3 3/8"	B-LINE #2048



2 TOP VIEW
SCALE: 3/4" = 1'-0"



1 ISOMETRIC
SCALE:

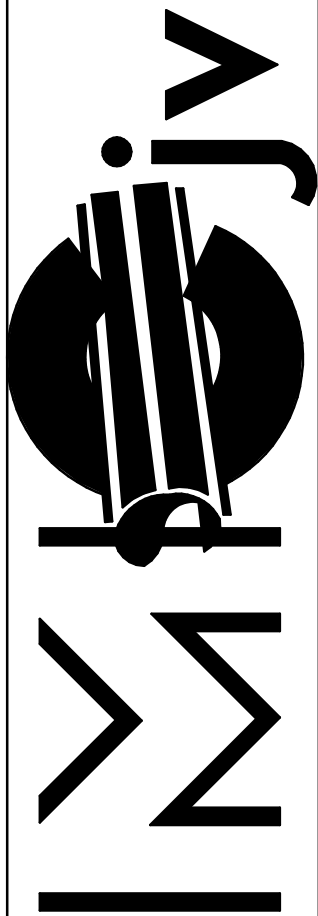
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: HPHGR-L03-074

Drawn By: Author

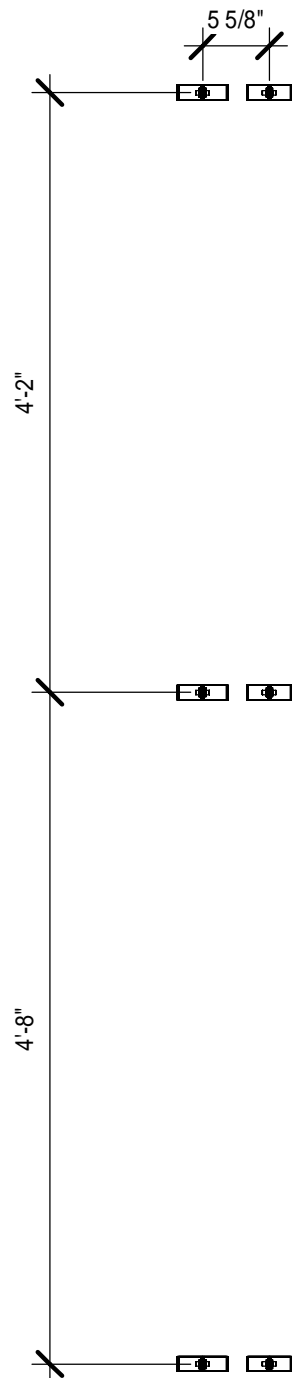
DATE REQ: 08/11/21



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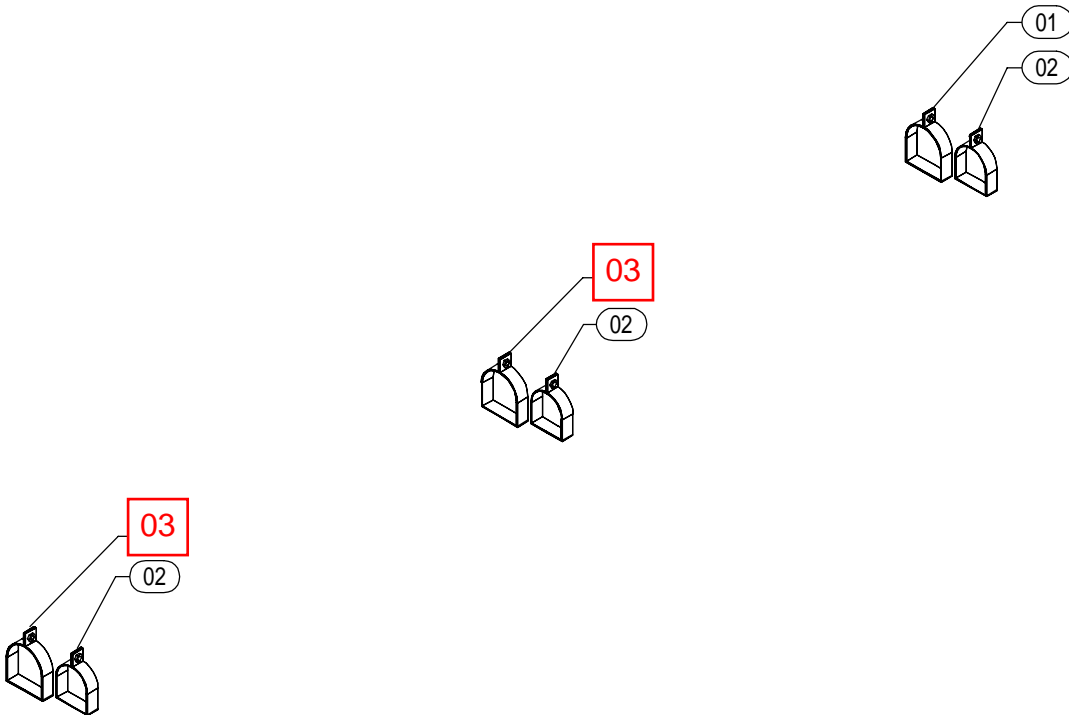
BIM 360://WUSM NRBWUSM_RB_PLF.rvt
20-08-2021 10:36:24

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	8	6.5"	B-Line B2000 ZN Sch. 40 Pipe Clamp					
02	8	6"	B-Line B2000 ZN Sch. 40 Pipe Clamp					
01	4	2 1/8"	B-LINE #2038					
02	4	5 5/8"	B-LINE #2066					
03	4	4 5/8"	B-LINE #2058					



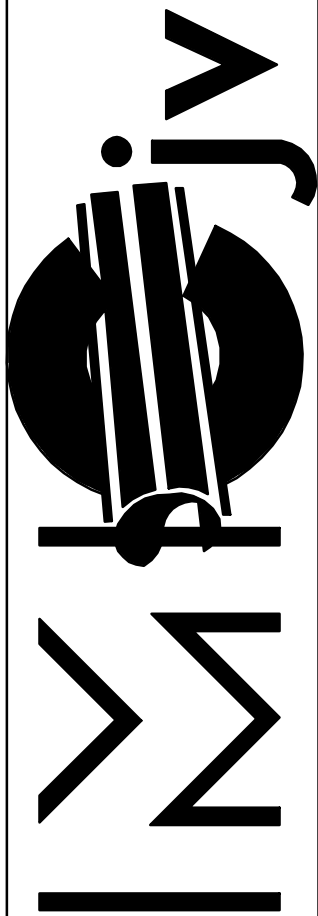
2 TOP VIEW
SCALE: 3/4" = 1'-0"

1 ISOMETRIC
SCALE:



A1	A3	B1	B3
A2	A4	B2	B4

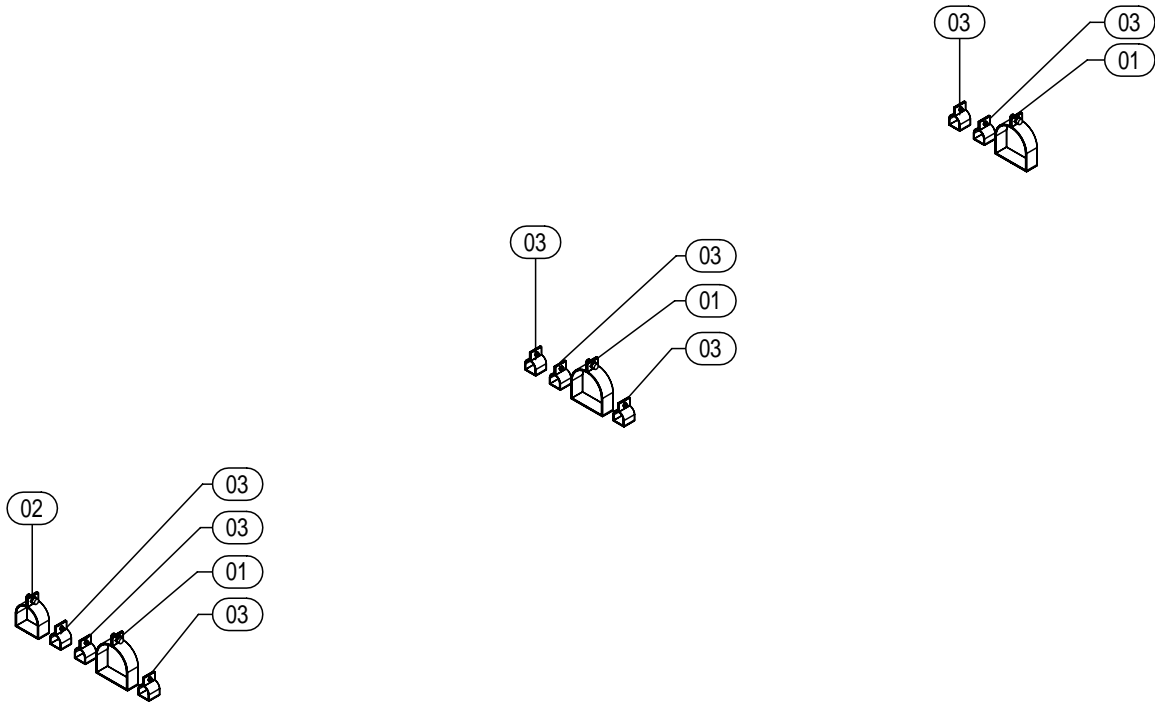
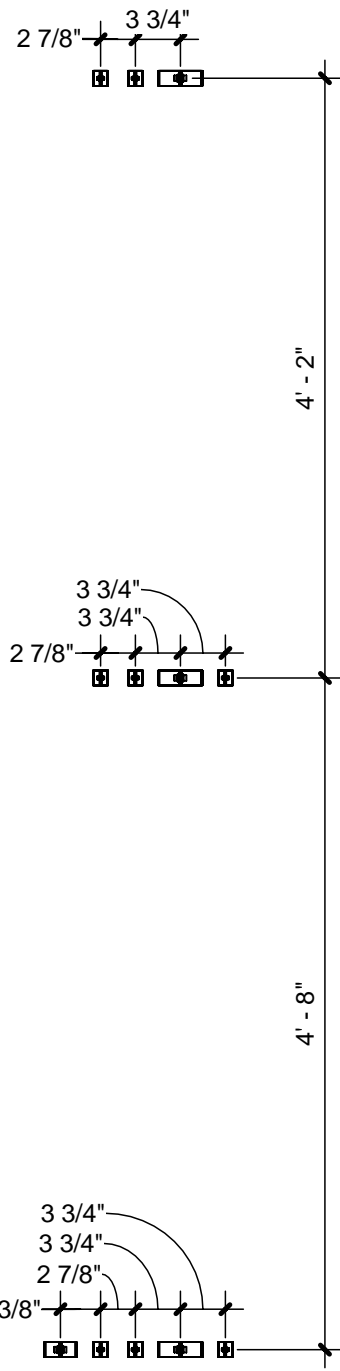
JOB:	WASH U NRB
TICKET:	PPHGR-L03-074
Drawn By: Author	
DATE: 08/20/21	DATE REQ:



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16-08-2021 18:04:59

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	3	3"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
02	1	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
03	8	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					

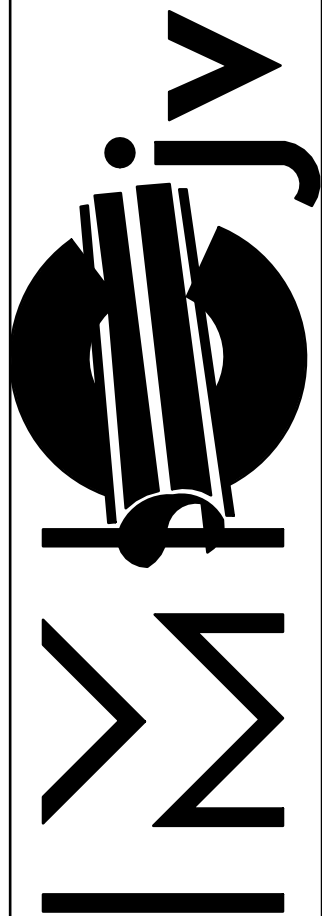


1 ISOMETRIC
SCALE:

2 TOP VIEW
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

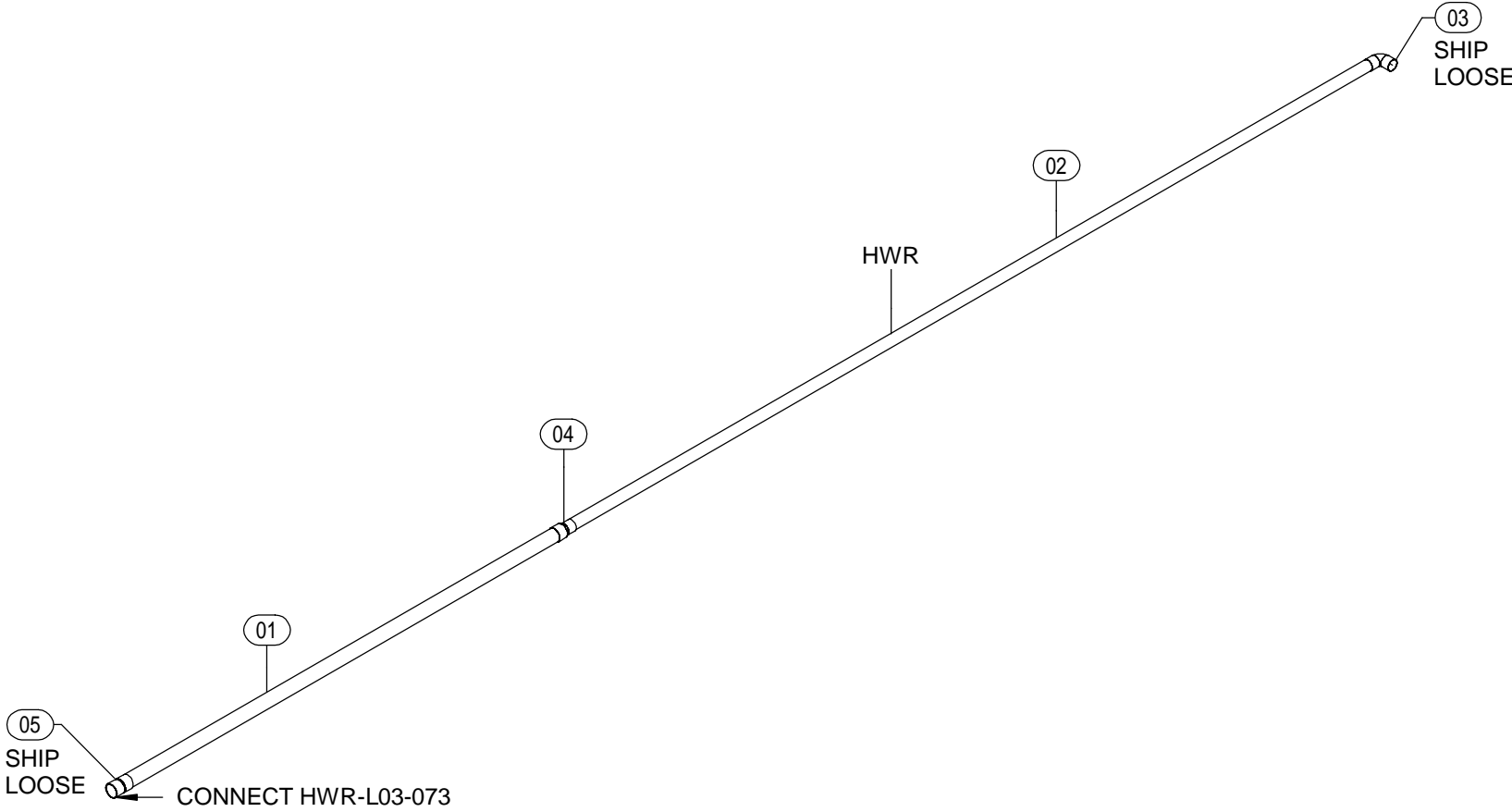
JOB:	WASH U NRB
TICKET:	PUHGR-L03-074
Drawn By: Author	
DATE: 08/17/21	DATE REQ:



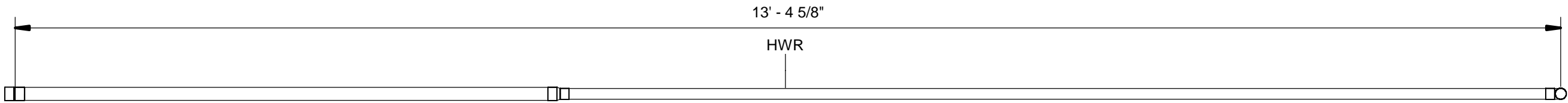
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05-08-2021 14:55:24

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/4"	Cerro Type K Hard Copper Pipe	4'-8 3/8"				1"
02	1	1"	Cerro Type K Hard Copper Pipe	8'-7 3/8"				1"
03	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
04	1	1 1/4"x1"	Nibco Wrot 600R Red Cplg CxC					1"
05	1	1 1/4"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



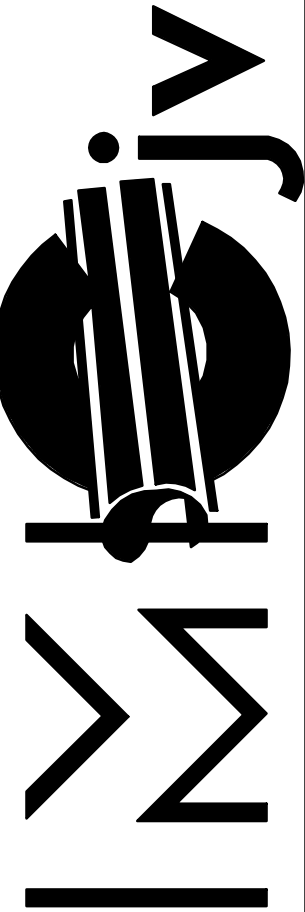
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 1" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

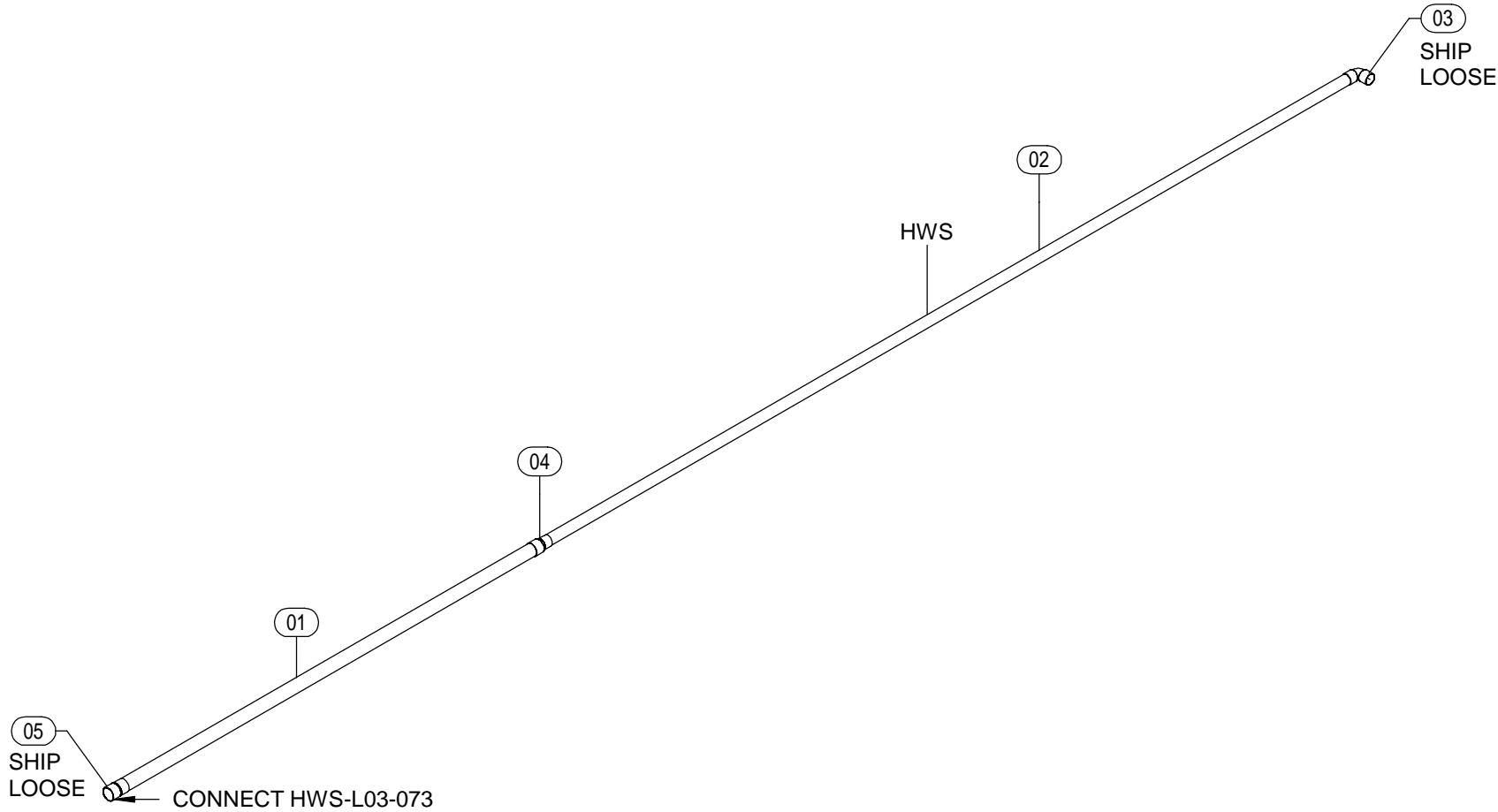
JOB:	WASH U NRB
TICKET:	HWR-L03-074
Drawn By: Author	
DATE: 08/05/21	DATE REQ:



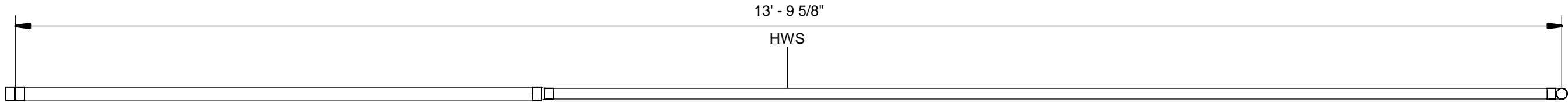
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
05-08-2021 14:57:34

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/4"	Cerro Type K Hard Copper Pipe	4'-8 3/8"				1"
02	1	1"	Cerro Type K Hard Copper Pipe	9'-0 3/8"				1"
03	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
04	1	1 1/4"x1"	Nibco Wrot 600R Red Cplg CxC					1"
05	1	1 1/4"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



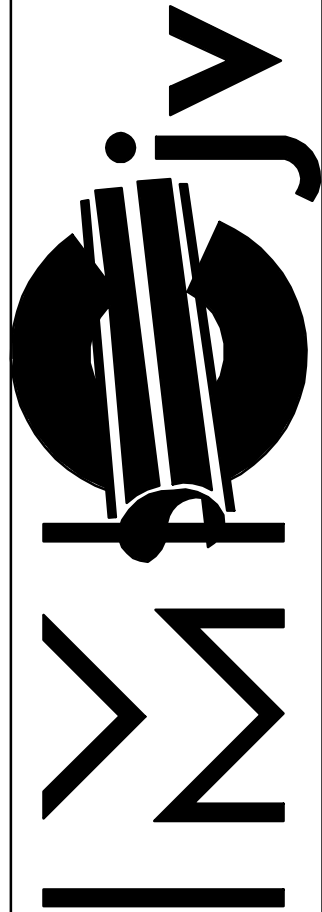
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 1" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

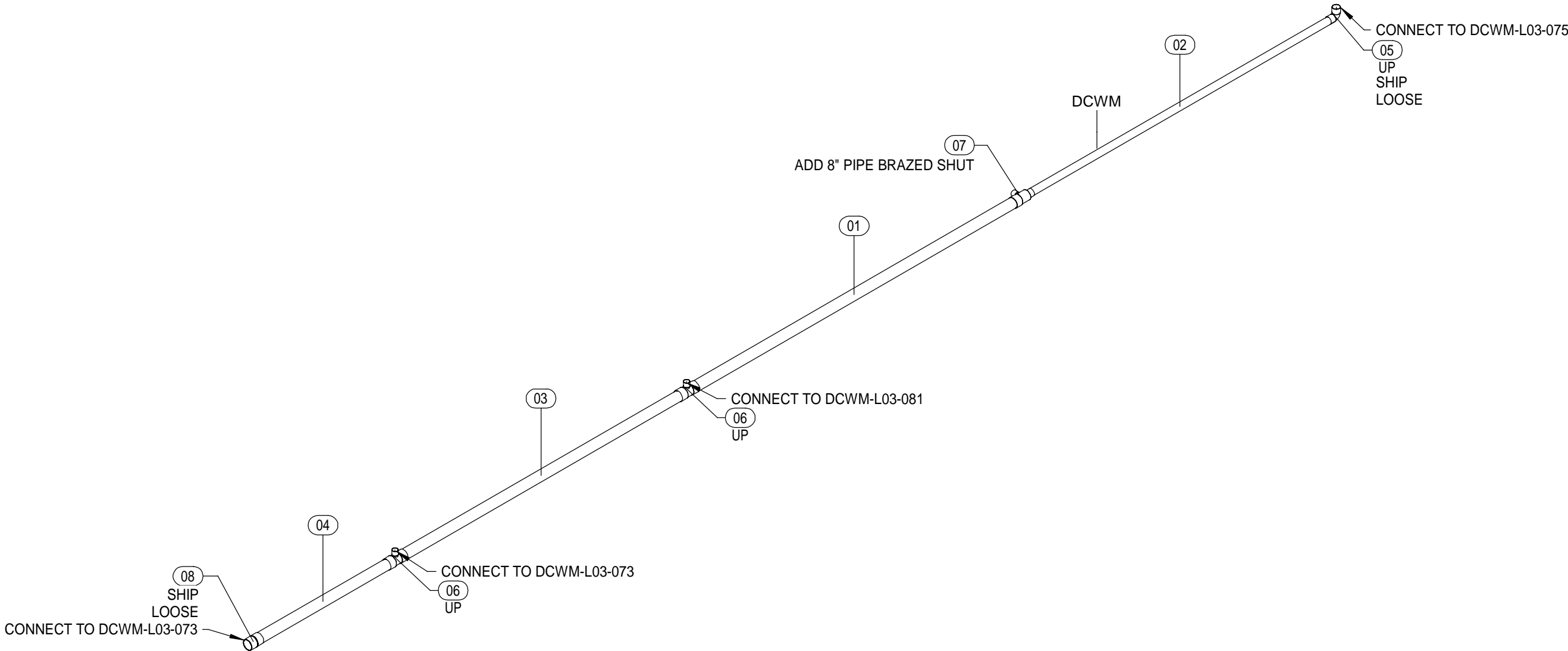
JOB:	WASH U NRB
TICKET:	HWS-L03-074
Drawn By: Author	
DATE: 08/05/21	DATE REQ:



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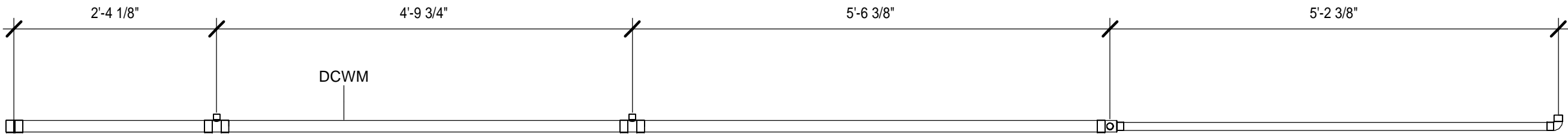
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20-08-2021 11:50:38

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	5'-5 1/8"				1"
02	1	1"	Cerro Type L Hard Copper Pipe	5'-0 11/16"				1/2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	4'-8 5/8"				1"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-3 7/16"				1"
05	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1/2"
06	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
07	1	1 1/2"x1"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
08	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1 ISOMETRIC

SCALE:

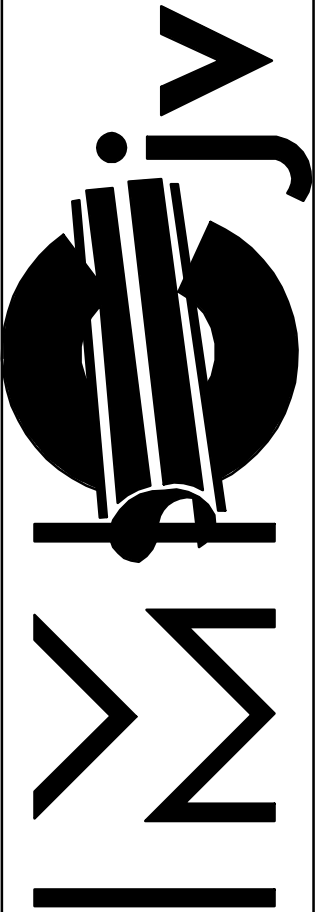


2 RIGHT ELEVATION

SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

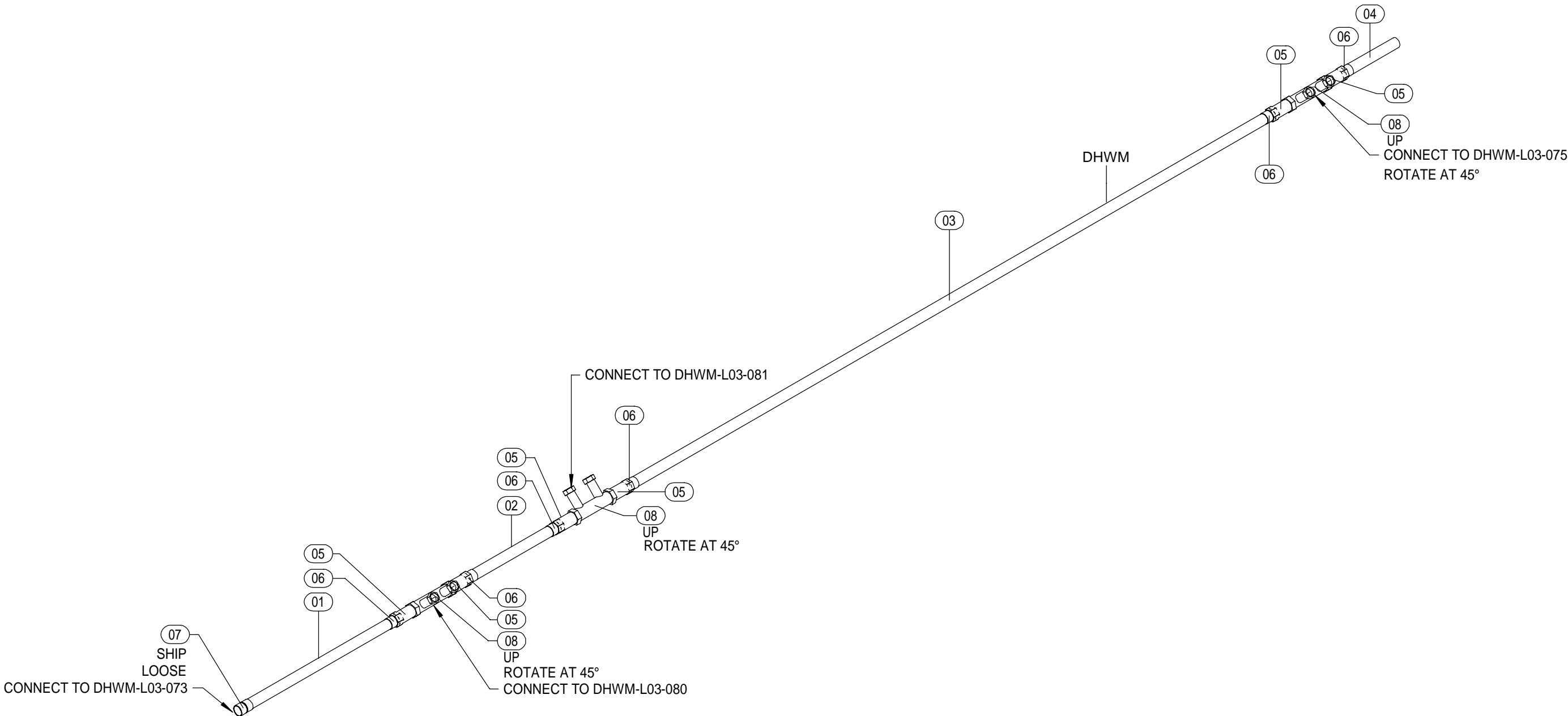
JOB:	WASH U NRB
TICKET:	DCWM-L03-074
Drawn By: Author	
DATE: 08/20/21	DATE REQ:



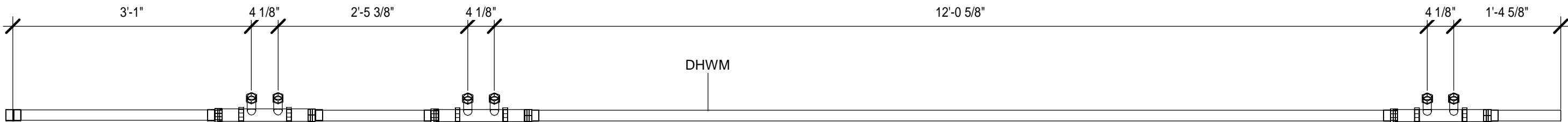
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BIM 360://WUSM NRBWUSM_RB_PLF.rvt
20-08-2021 17:59:07

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-7 3/16"				2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-5 15/16"				2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	11'-1 1/8"				2"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-10 13/16"				2"
05	6	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					2"
06	6	1 1/2"	Nibco Wrot 603 Adapter CxF					2"
07	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					2"
08	3	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"



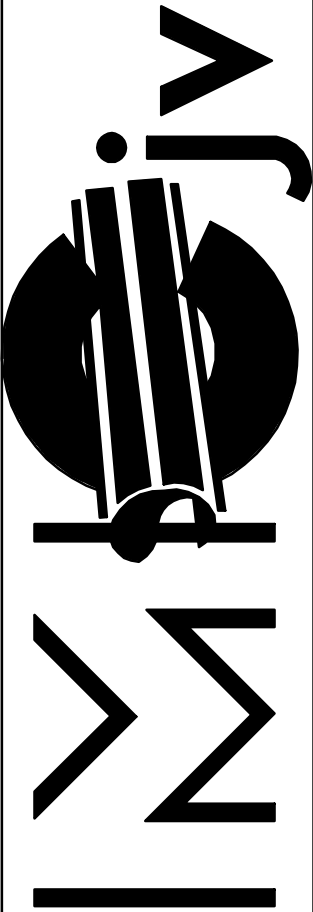
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

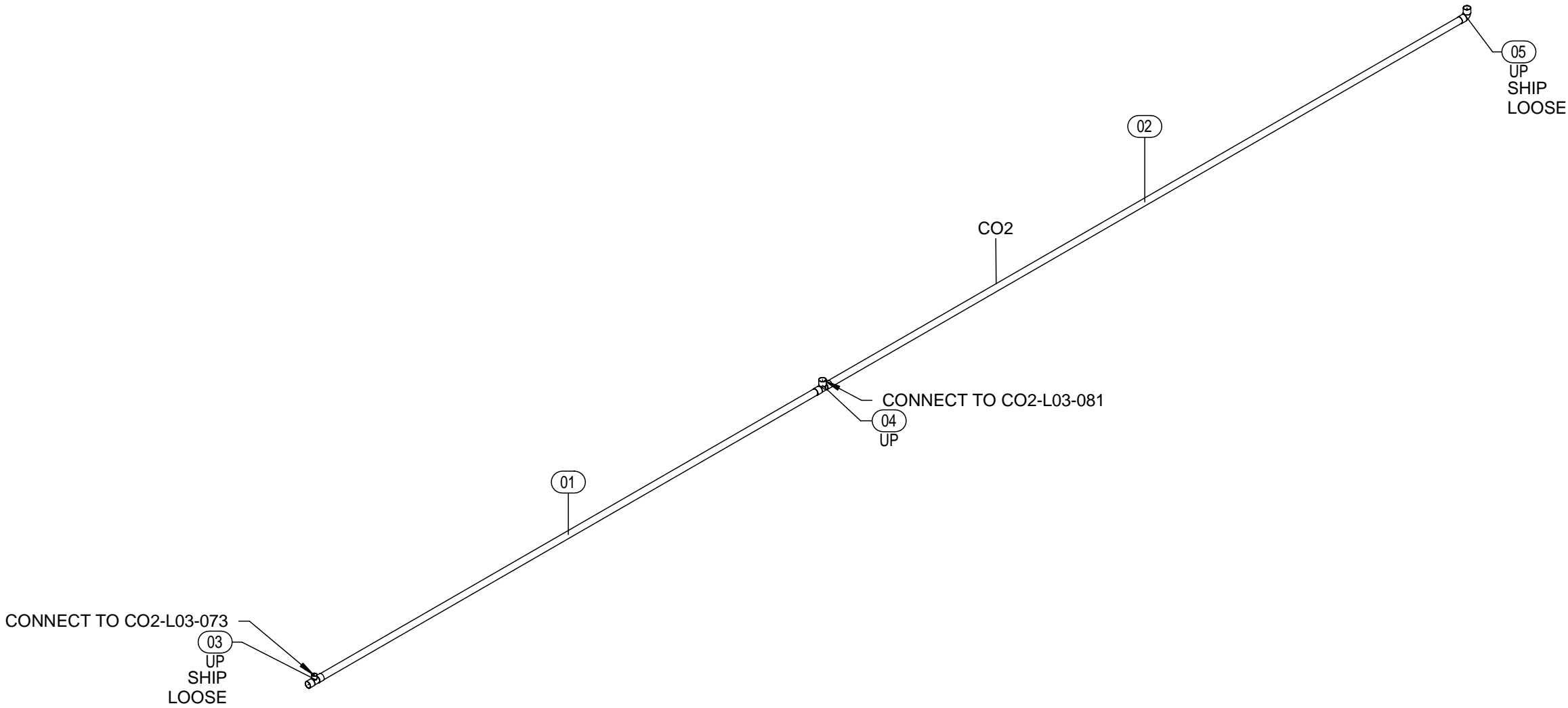
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TICKET:	DHWM-L03-074
Drawn By: Author	
DATE: 08/20/21	DATE REQ:



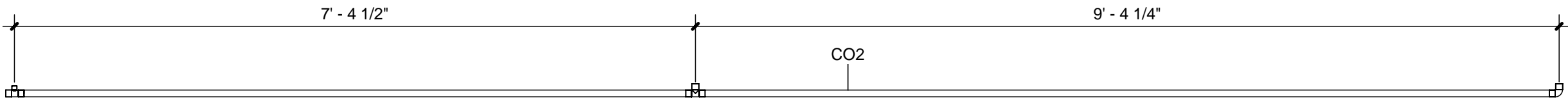
1233 N. Price Rd.
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17-08-2021 11:07:12

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	7'-3 7/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	9'-3 3/16"				
03	1	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
04	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
05	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					



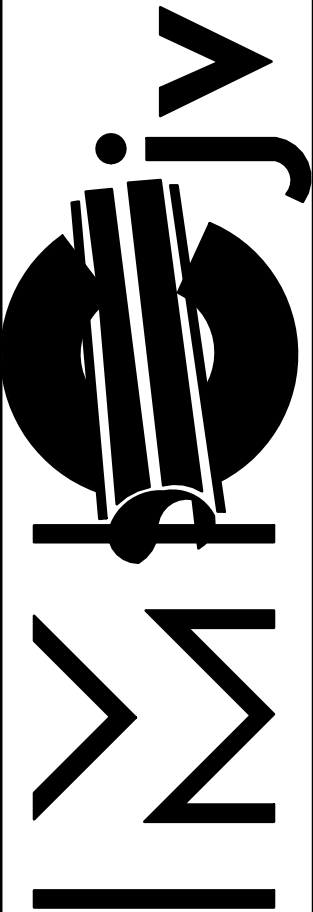
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

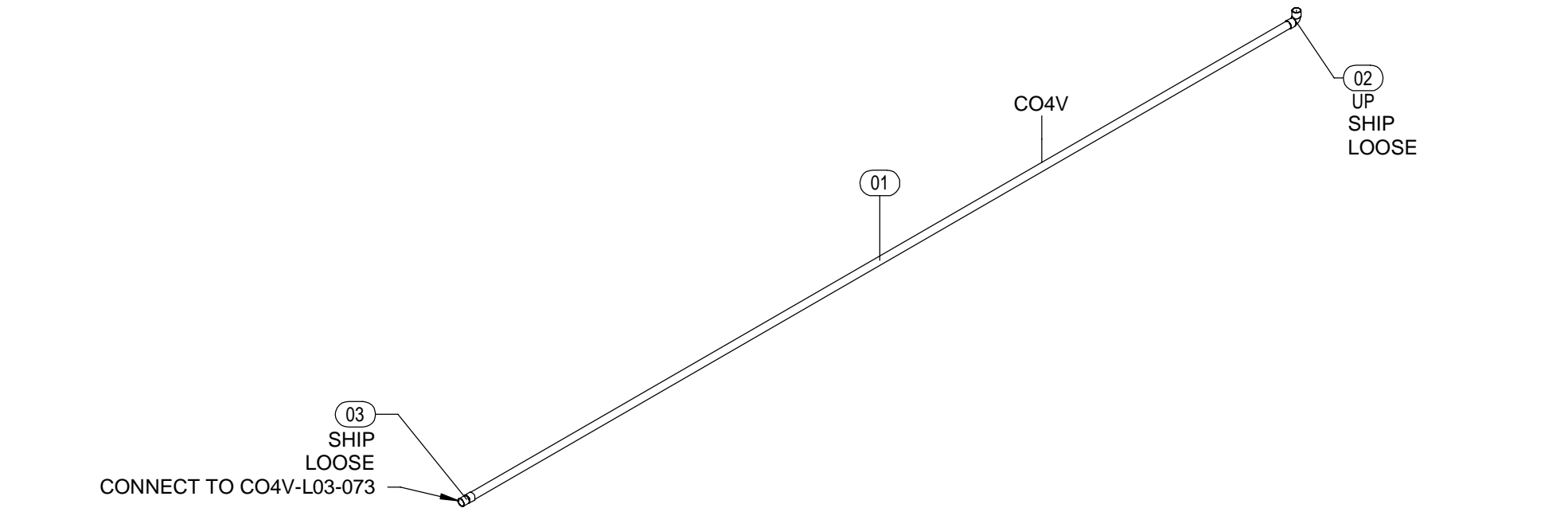
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TICKET:	CO2-L03-074
Drawn By: Author	
DATE: 08/17/21	DATE REQ:



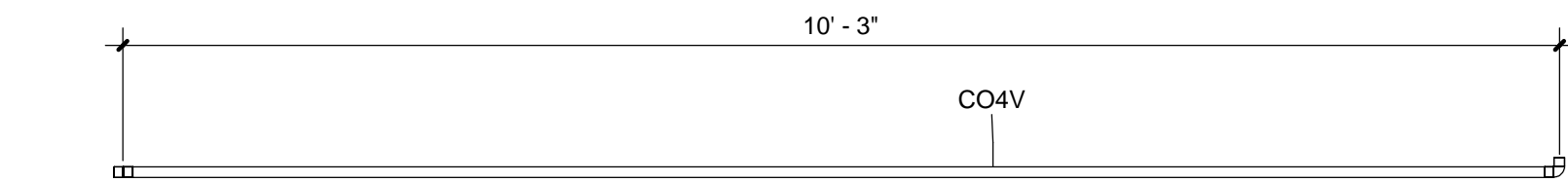
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_PUF.rvt
18-08-2021 13:57:32

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	10'-2 3/8"				
02	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
03	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



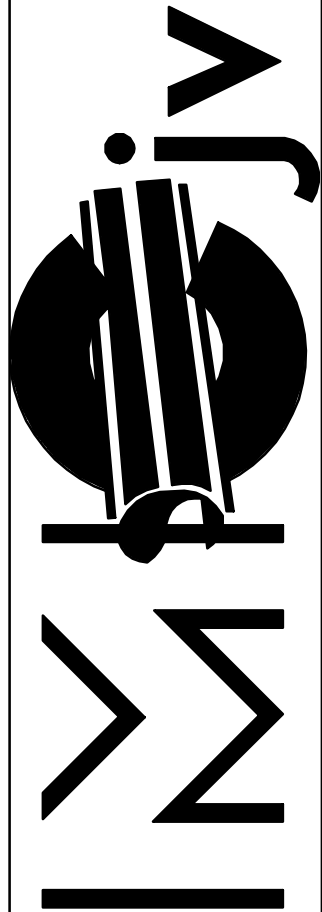
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

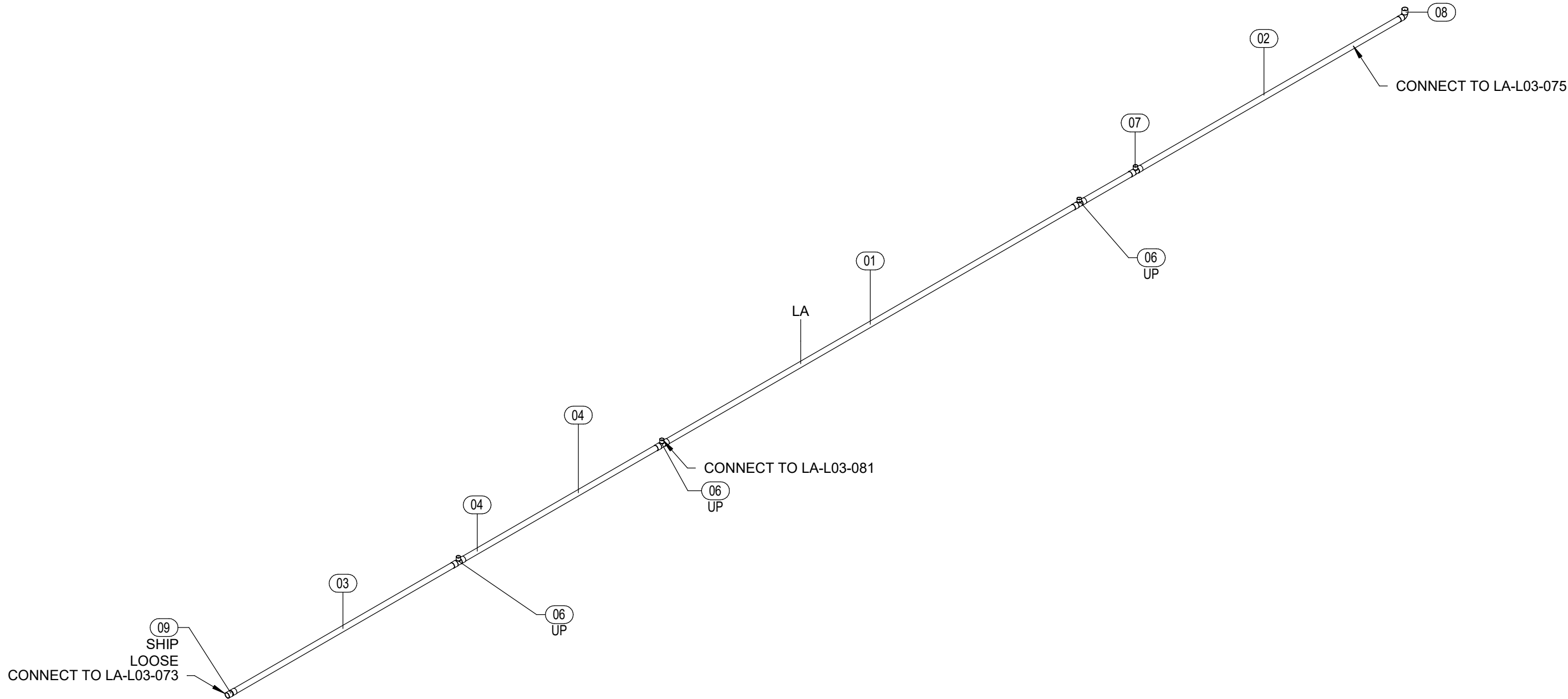
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TICKET:	CO4V-L03-074
Drawn By: Author	
DATE: 08/18/21	DATE REQ:



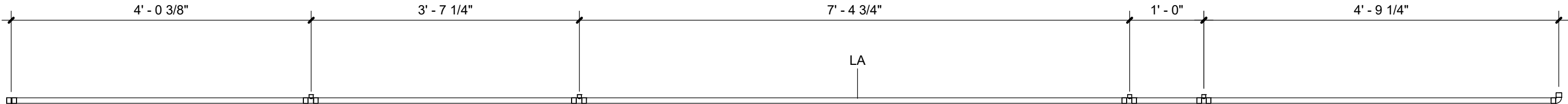
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_PUF.rvt
1/11/2022 1:11:58 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	7'-3 7/8"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-8 3/8"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-11 3/4"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-6 3/8"	
05	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-11 1/4"	
06	3	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	1	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
08	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		
09	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		



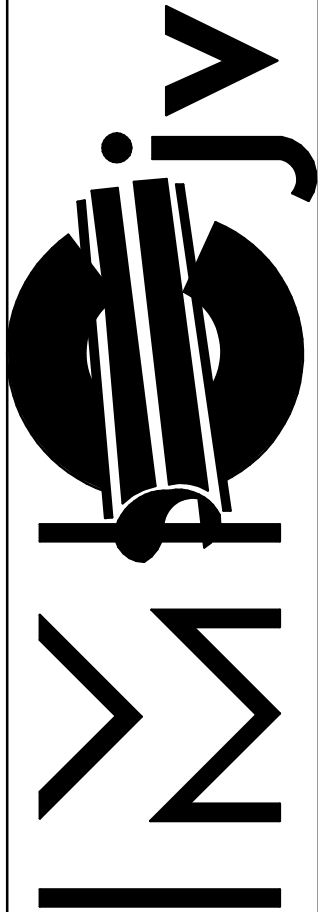
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

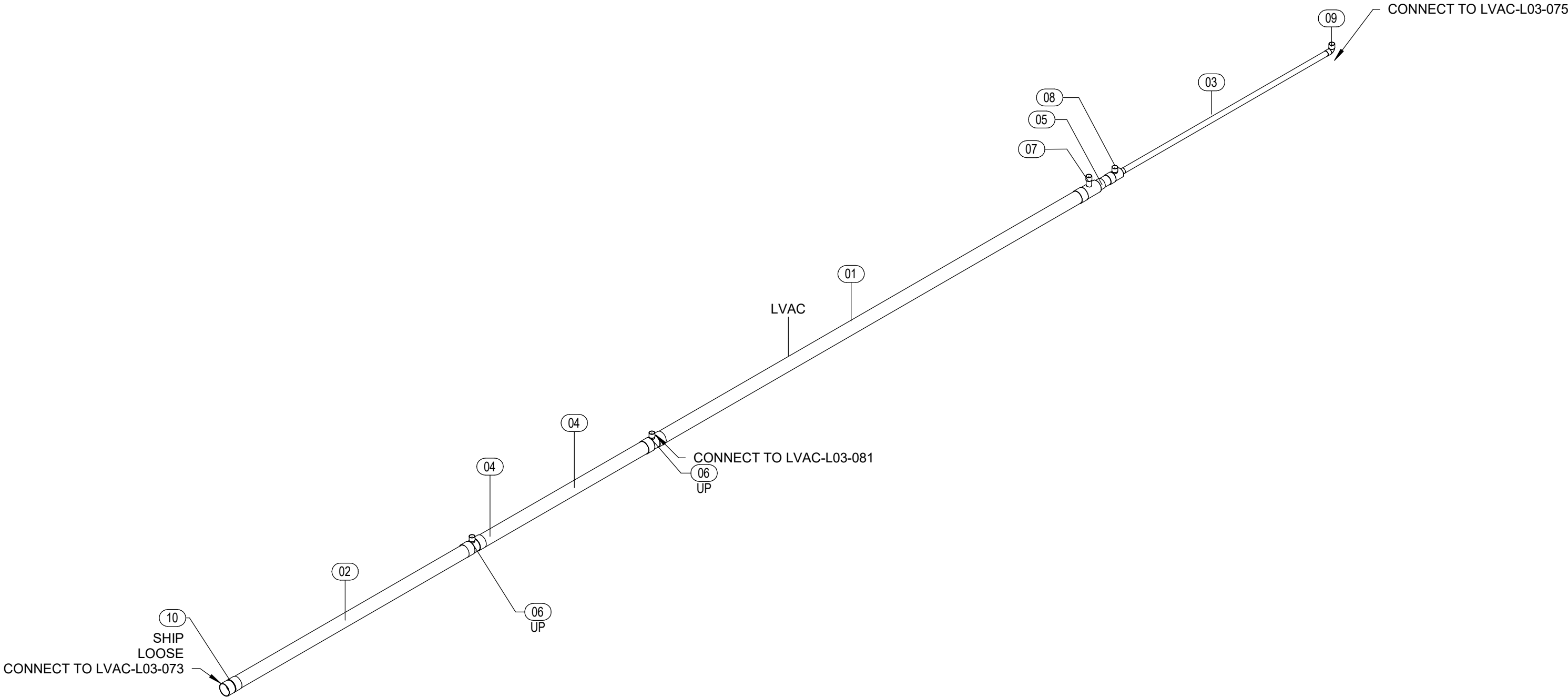
JOB: WASH U NRB
TICKET: LA-L03-074
Drawn By: Author
DATE: 08/18/21
DATE REQ:



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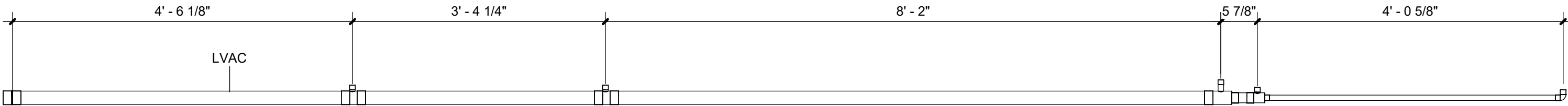
BIM 360//WUSM NRBWUSM_RB_PUF.rvt
1/11/2022 1:12:26 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type L Hard Copper - CFOS	8'-0"	
02	1	2"	Cerro Type L Hard Copper - CFOS	4'-5 5/8"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-11"	
04	1	2"	Cerro Type L Hard Copper - CFOS	3'-3 1/8"	
05	1	1 1/2"	Cerro Type L Hard Copper - CFOS	0'-3 1/2"	
06	2	2"x3/4"x2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	1	2"x1 1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
08	1	1 1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
09	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		
10	1	2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		



1 ISOMETRIC

SCALE:

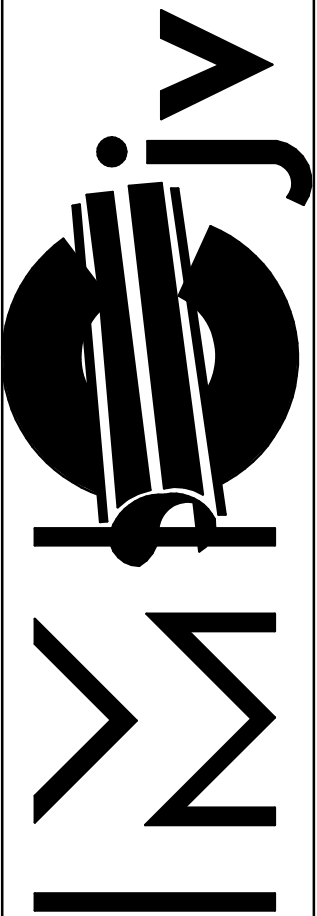


2 RIGHT ELEVATION

SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

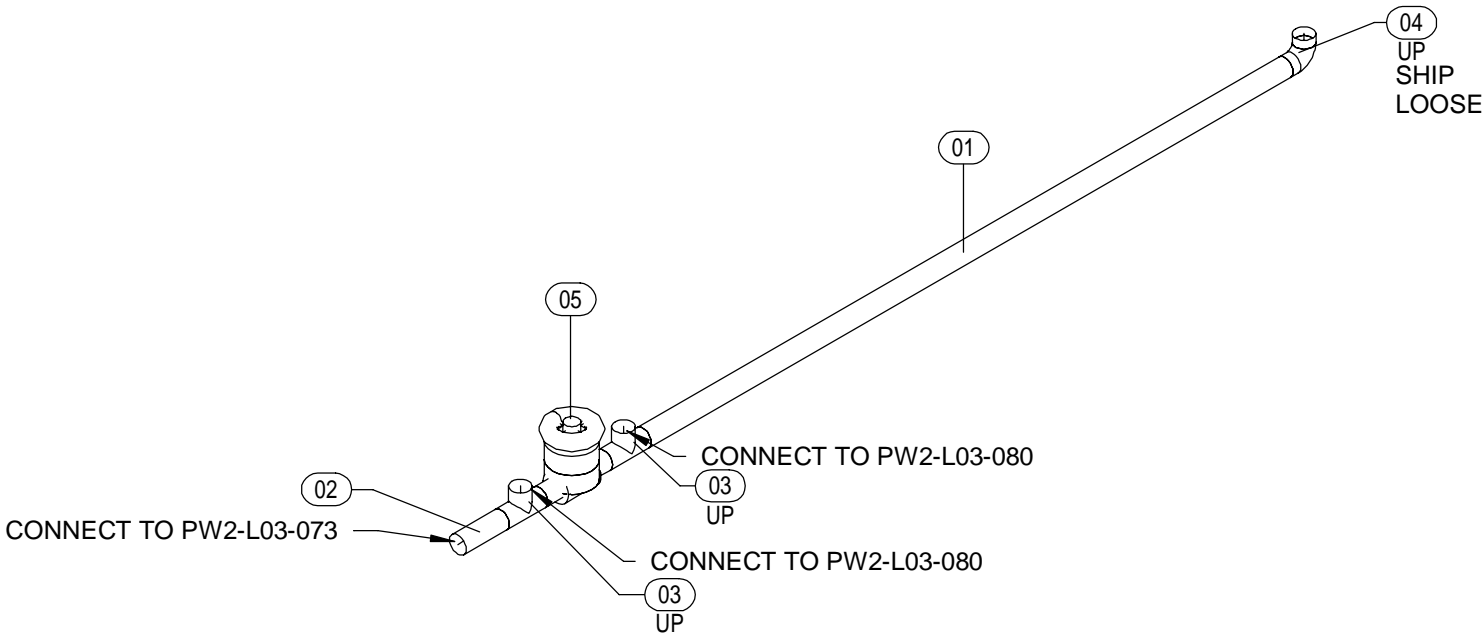
JOB: WASH U NRB	TICKET: LVAC-L03-074	Drawn By: Author	DATE REQ: 08/18/21
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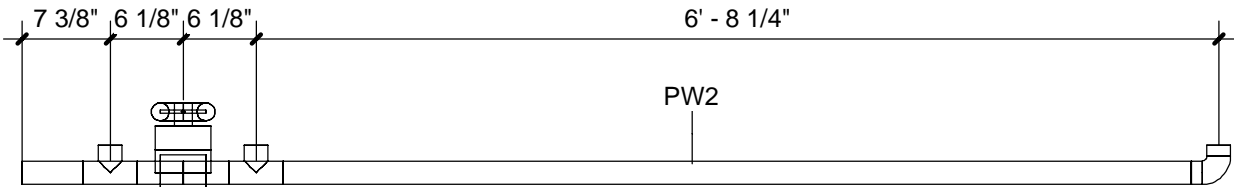
1233 N. Price Rd.
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
17-08-2021 10:30:40

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Gerorge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	6'-3 11/16"				
02	1	1 1/2"	Gerorge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	0'-5 1/16"				
03	2	1 1/2"	Gerorge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee					
04	1	1 1/2"	Gerorge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow					
05	1	1 1/2"	George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF					



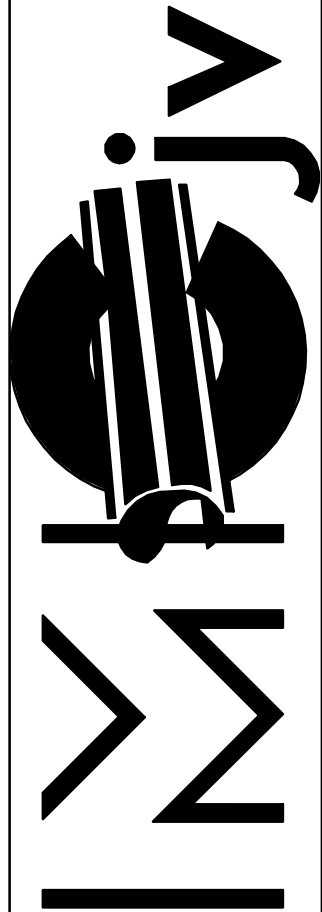
1 ISOMETRIC
SCALE:



2 RIGHT ELEVATION
SCALE: 3/4" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW2-L03-074
Drawn By: Author	
DATE: 08/17/21	DATE REQ:



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