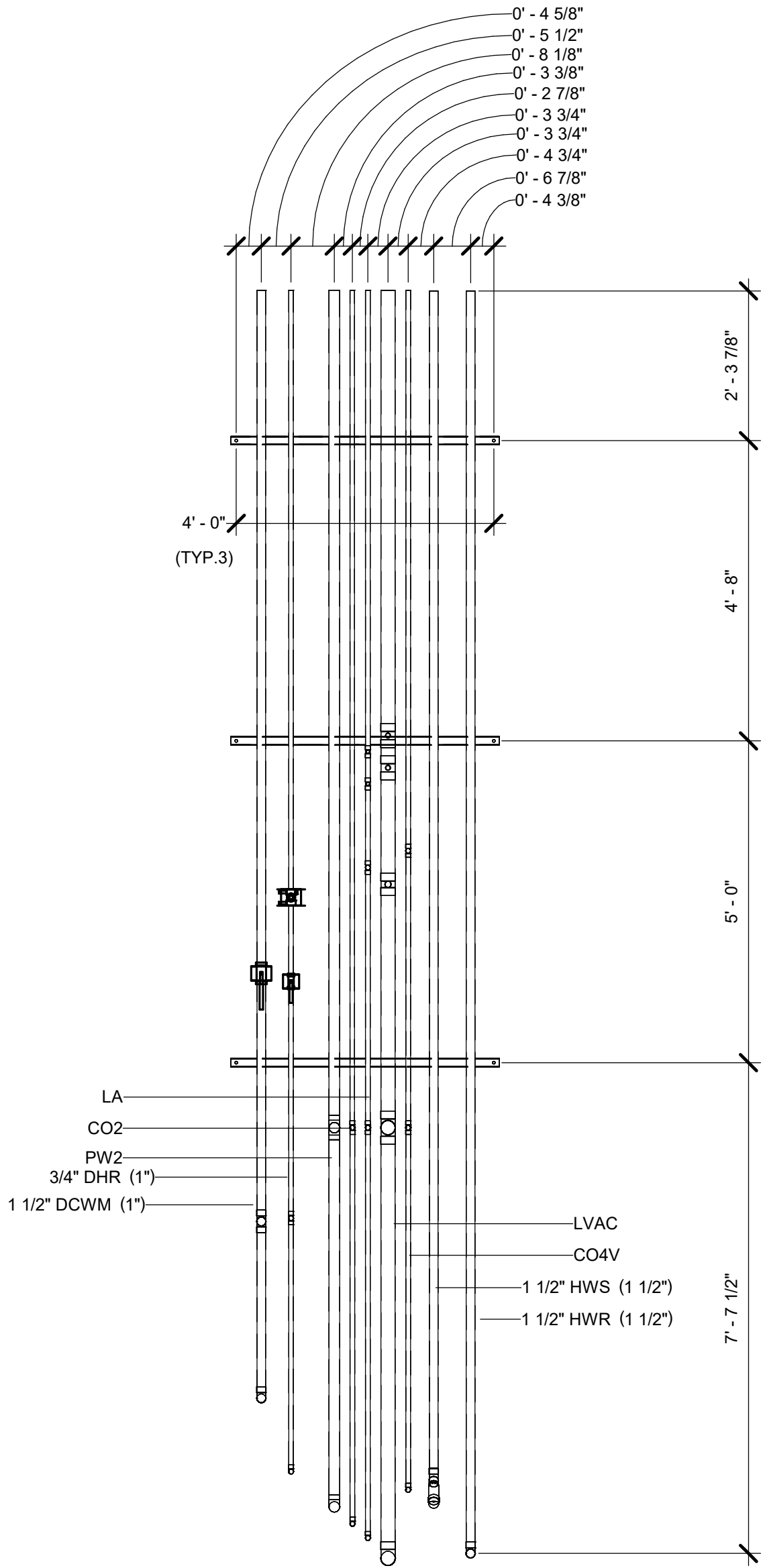
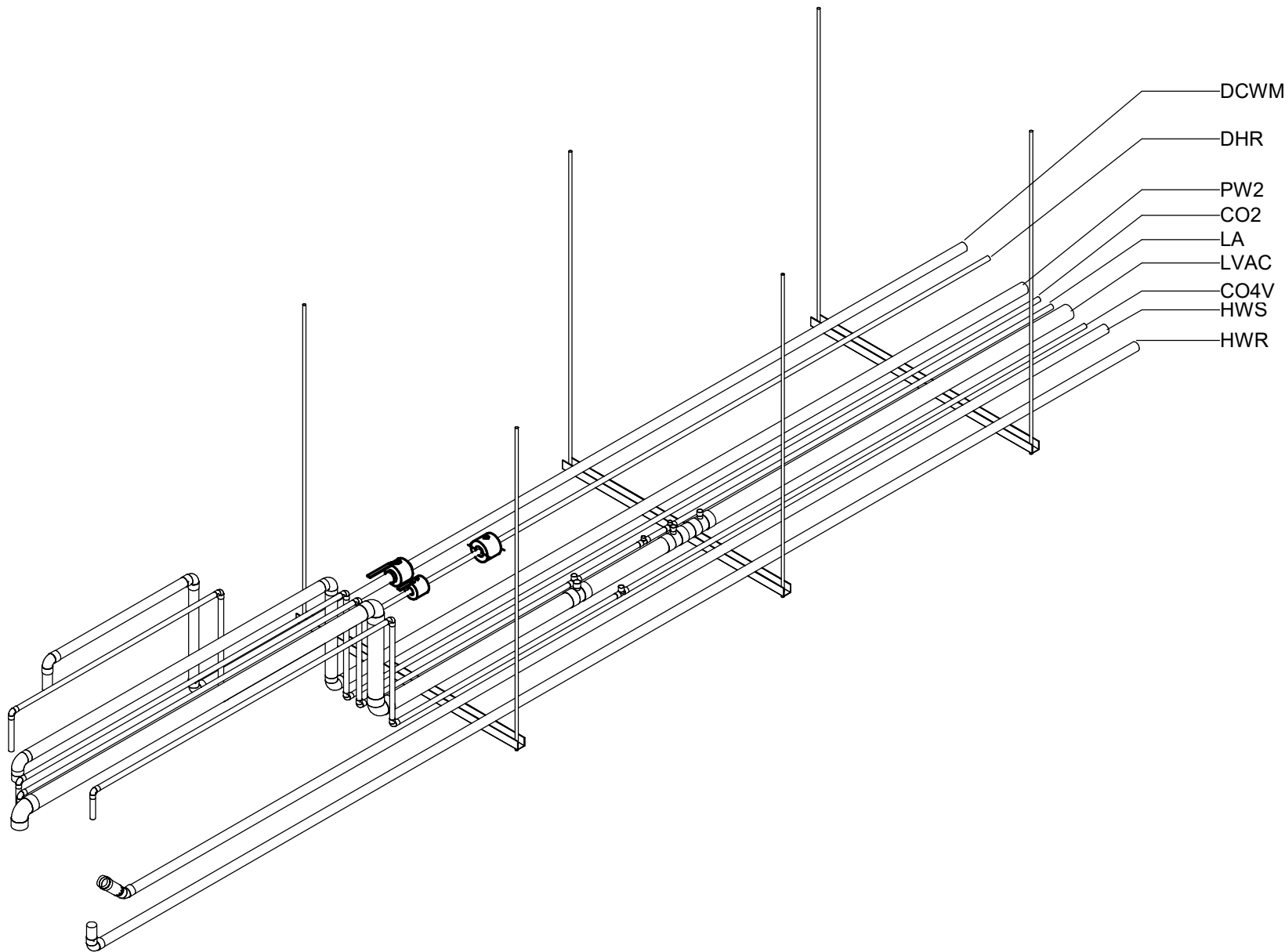


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8/13/2021 9:52:58 AM



2 AS-L03-071 - ISOMETRIC  
AS-L03-071 SCALE:

1 AS-L03-071  
AS-L03-071 SCALE: 1/2" = 1'-0"

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A2	A4	B2	B4

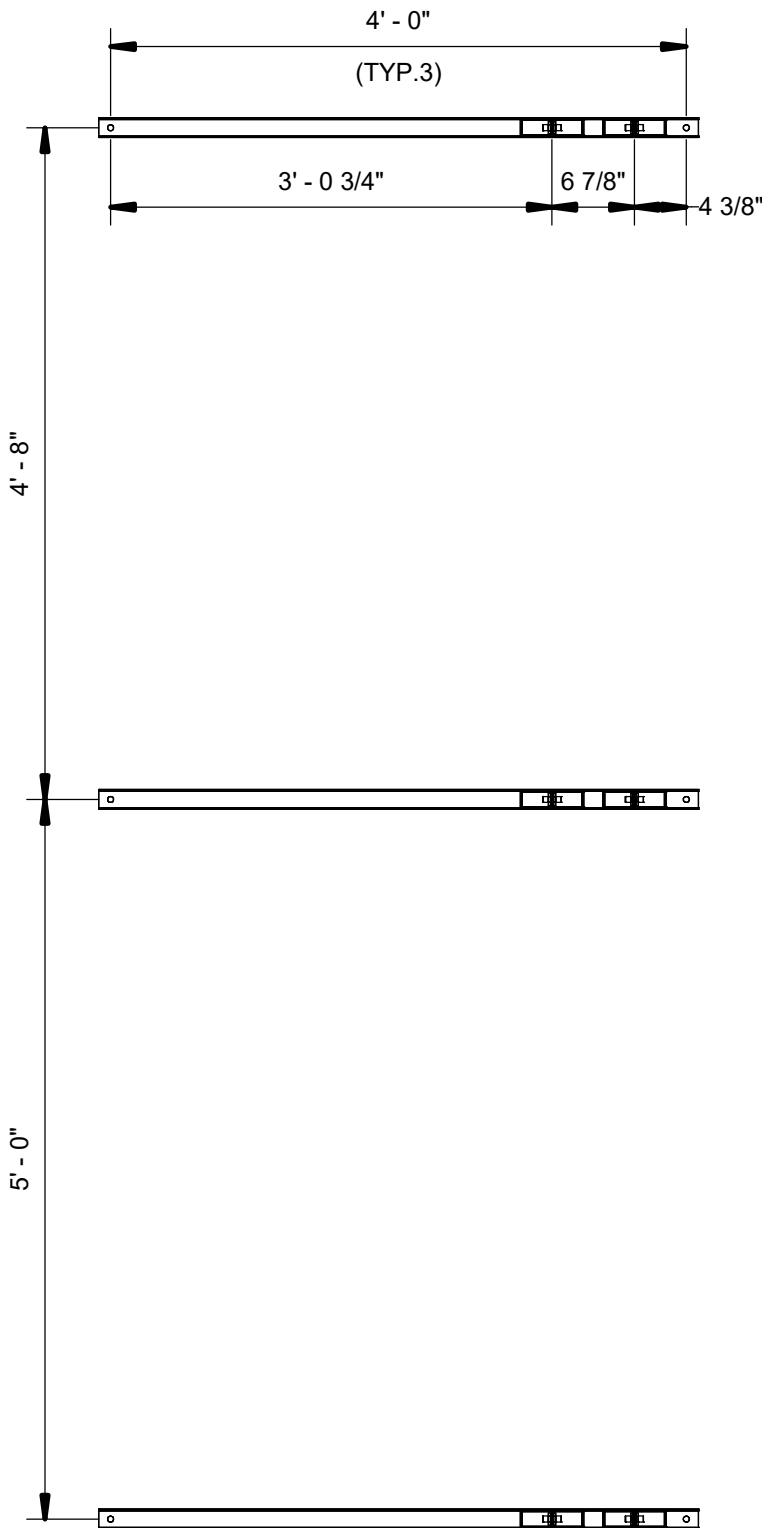
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TICKET: AS-L03-071  
Drawn By: Author  
DATE: 08/09/21  
DATE REQ:



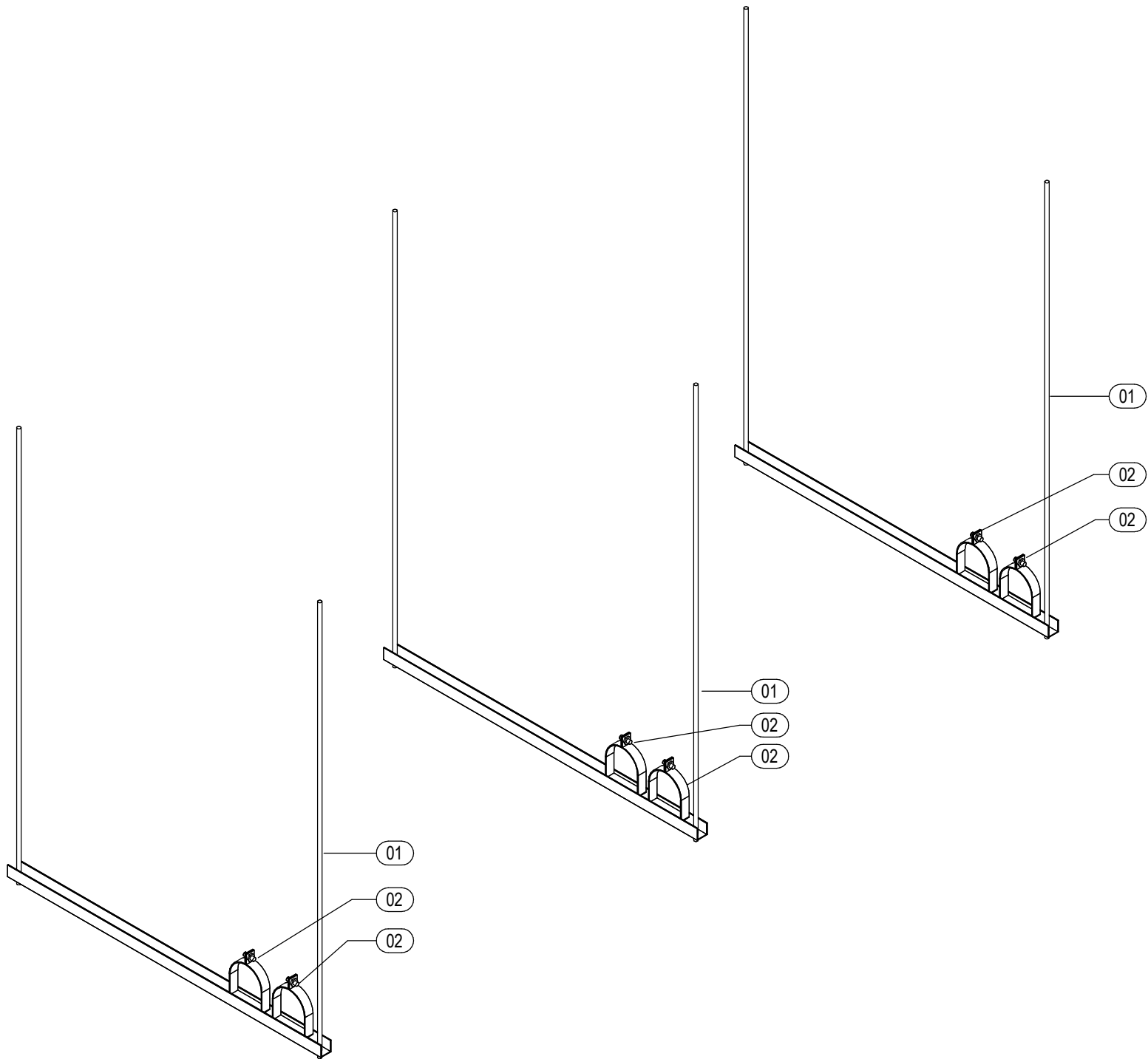
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360//WUSM NRBWUSM\_RB\_HPF.rvt  
9/21/2021 3:28:32 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	3	46"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut		4' - 2"	5' - 3"	5' - 3"	
02	6	4 5/8"	B-Line B2000 ZN Galv 10 Pipe Clamp		0"	0"	0"	
02	6	4 5/8"	B-LINE #2058					



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



1 ISOMETRIC  
SCALE:

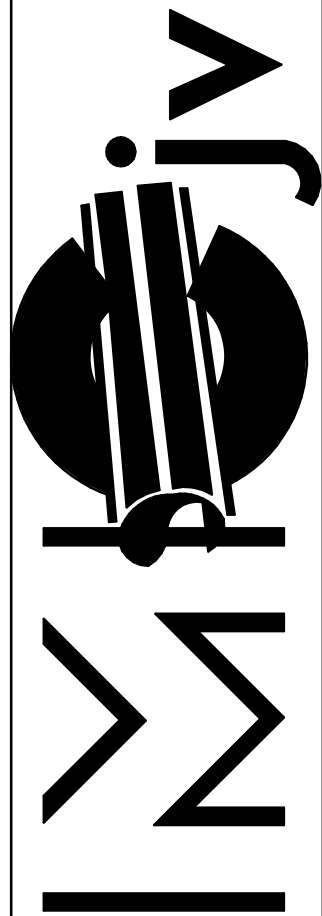
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JOB: WASH U NRB

TICKET: HPHGR-L03-071

Drawn By: Author

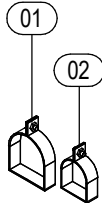
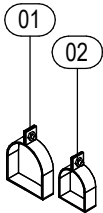
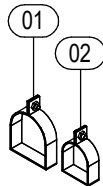
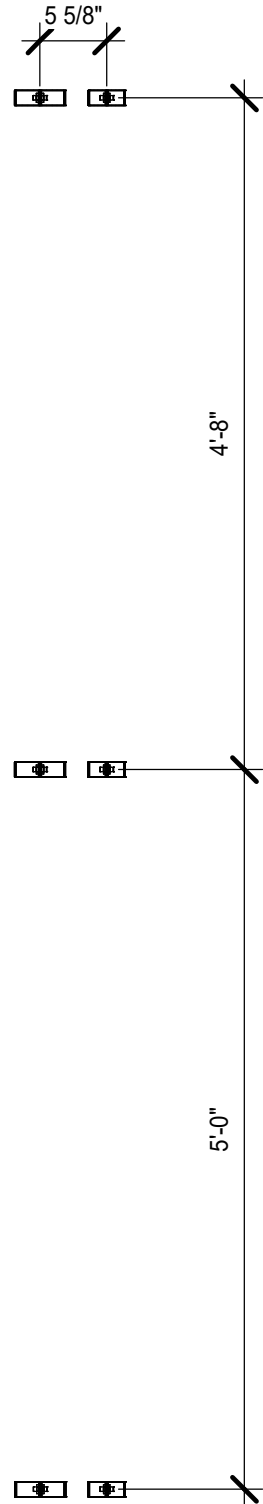
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BIM 360://WUSM NRBWUSM\_RB\_PLF.rvt  
8/31/2021 3:05:10 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	3	2 5/8"	B-Line B2000 ZN Sch 40 Pipe Clamp					
02	3	2 5/8"	B-Line B2000 ZN Sch 40 Pipe Clamp					
01	3	3 5/8"	B-LINE #2050					
02	3	2 7/8"	B-LINE #2014					

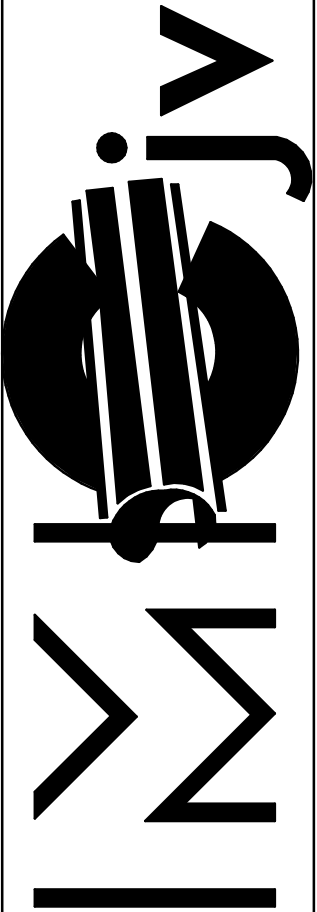


1 ISOMETRIC  
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

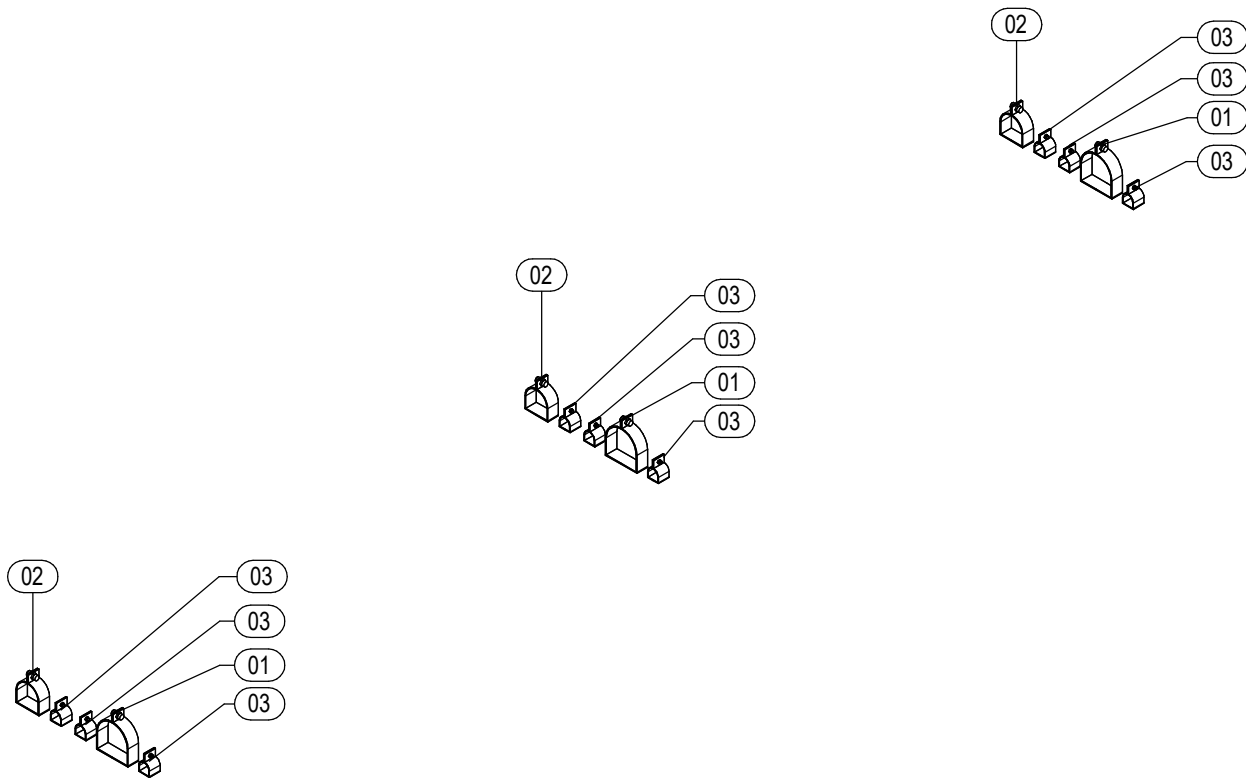
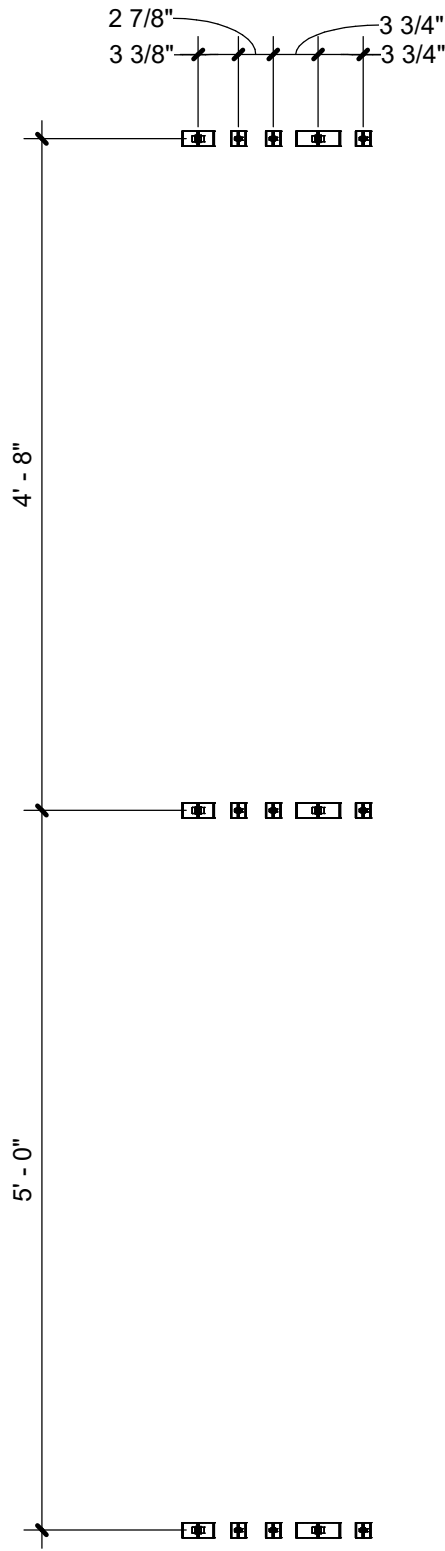
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TICKET: PPHGR-L03-071
Drawn By: Author
DATE: 08/20/21
DATE REQ:



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8/31/2021 3:12:25 PM

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	3	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
03	9	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					

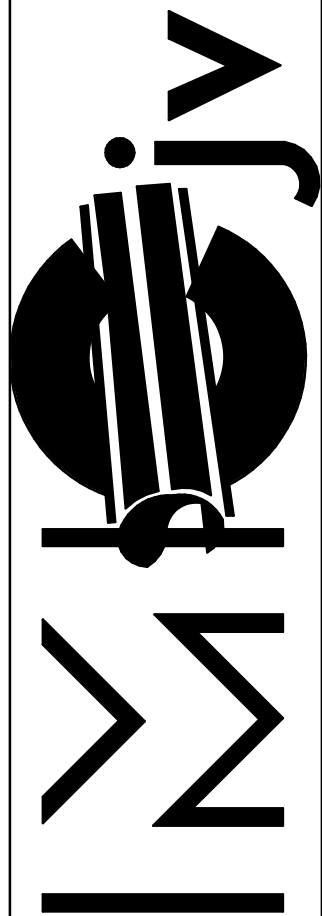


1 ISOMETRIC  
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

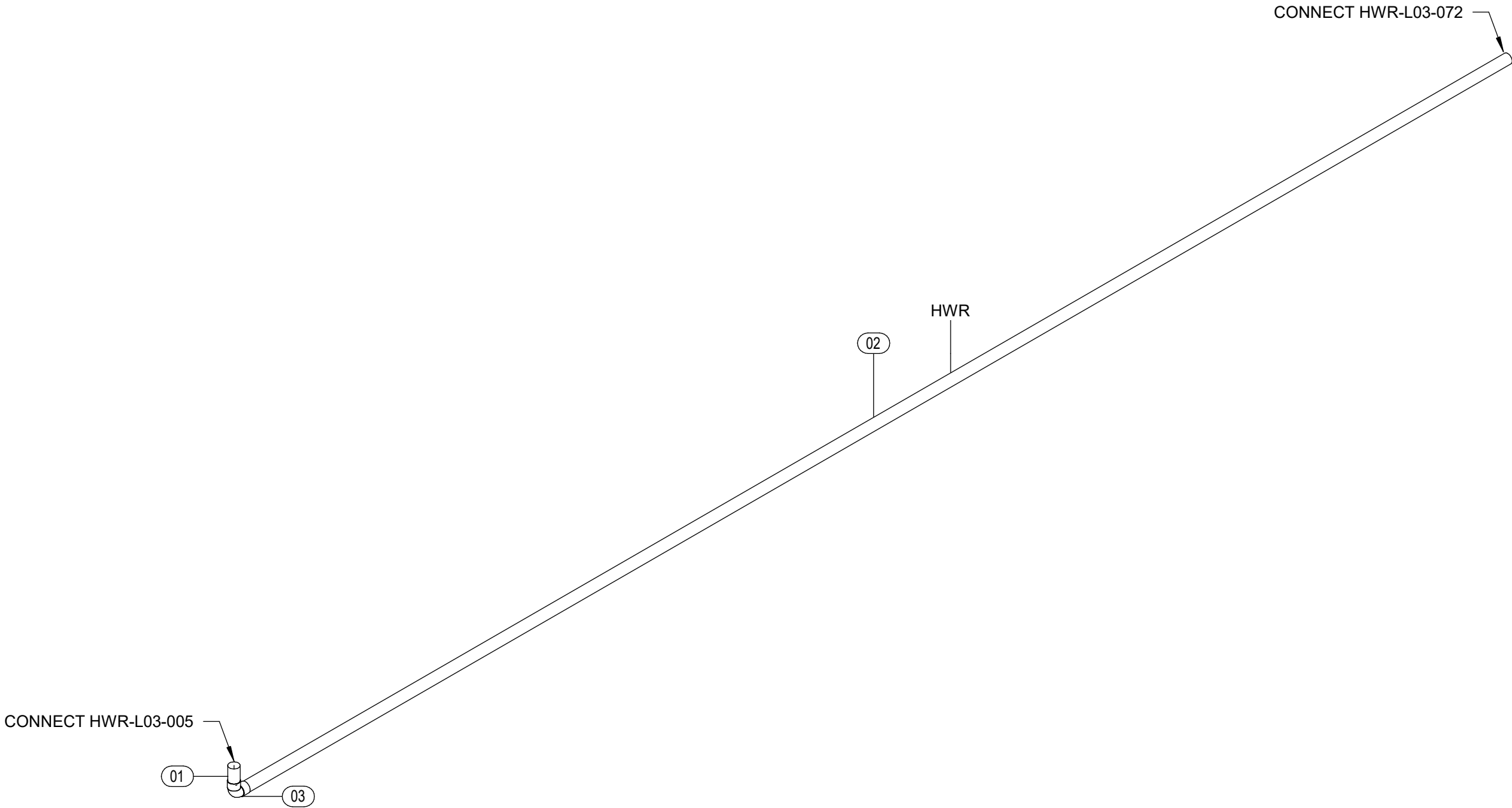
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TICKET:	PUHGR-L03-071
Drawn By: Author	
DATE: 08/19/21	DATE REQ:



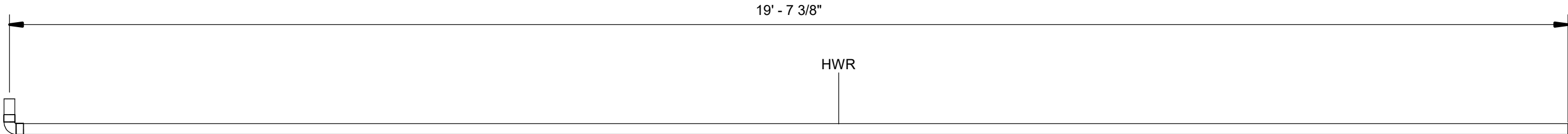
1233 N. Price Rd.  
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BIM 360://WUSM NRBWUSM\_RB\_HPF.rvt  
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Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	0'-3 1/2"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	19'-6 3/8"				1 1/2"
03	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1 1/2"



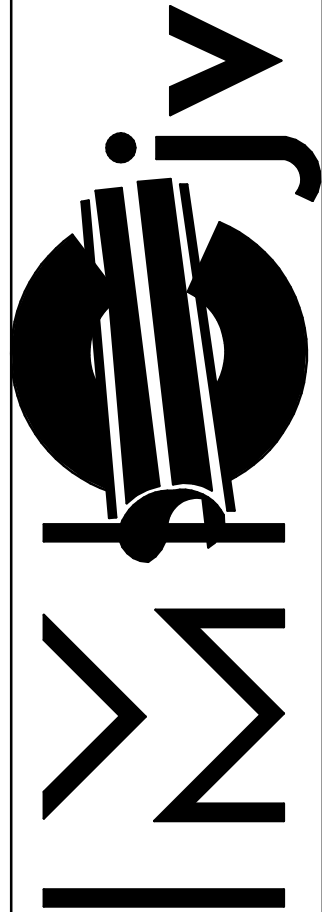
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

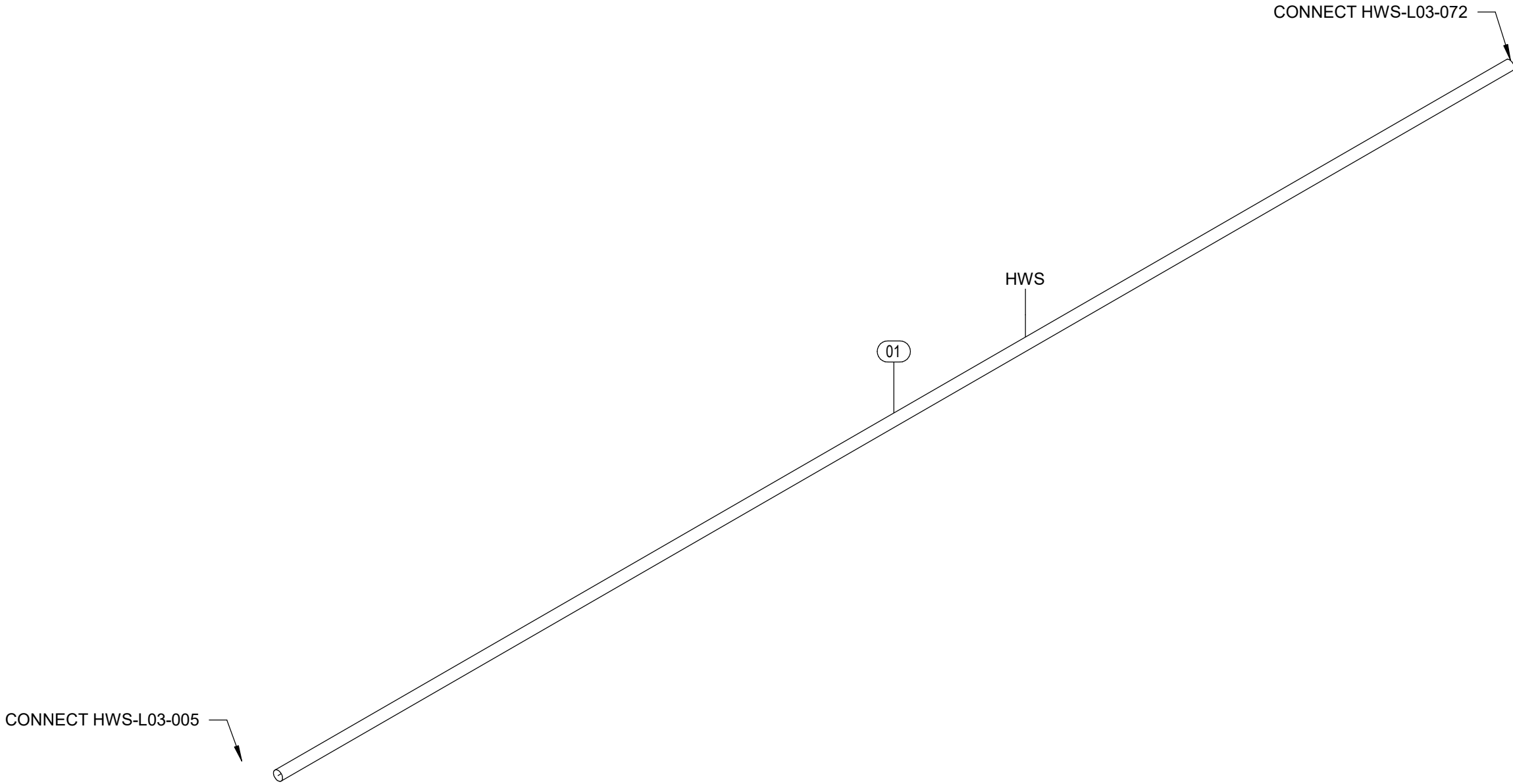
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TICKET:	HWR-L03-071
Drawn By: Author	
DATE: 08/05/21	DATE REQ:



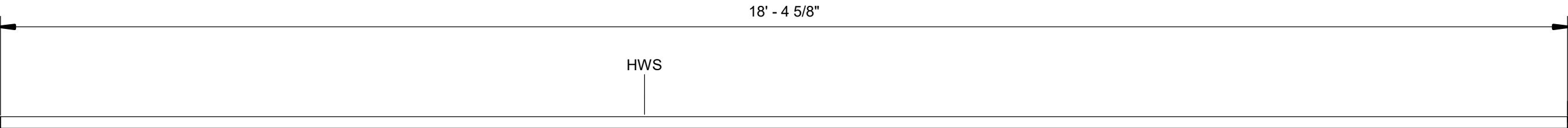
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9/21/2021 3:24:49 PM

Mark	Qty	Size	Description	Length	Strut Length	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	18'-4 5/8"				1 1/2"



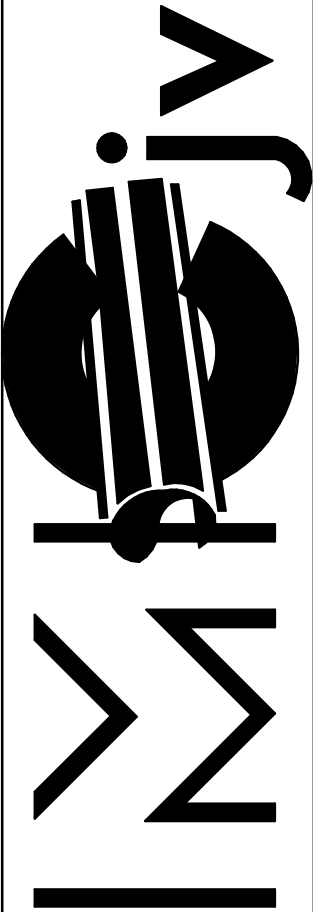
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

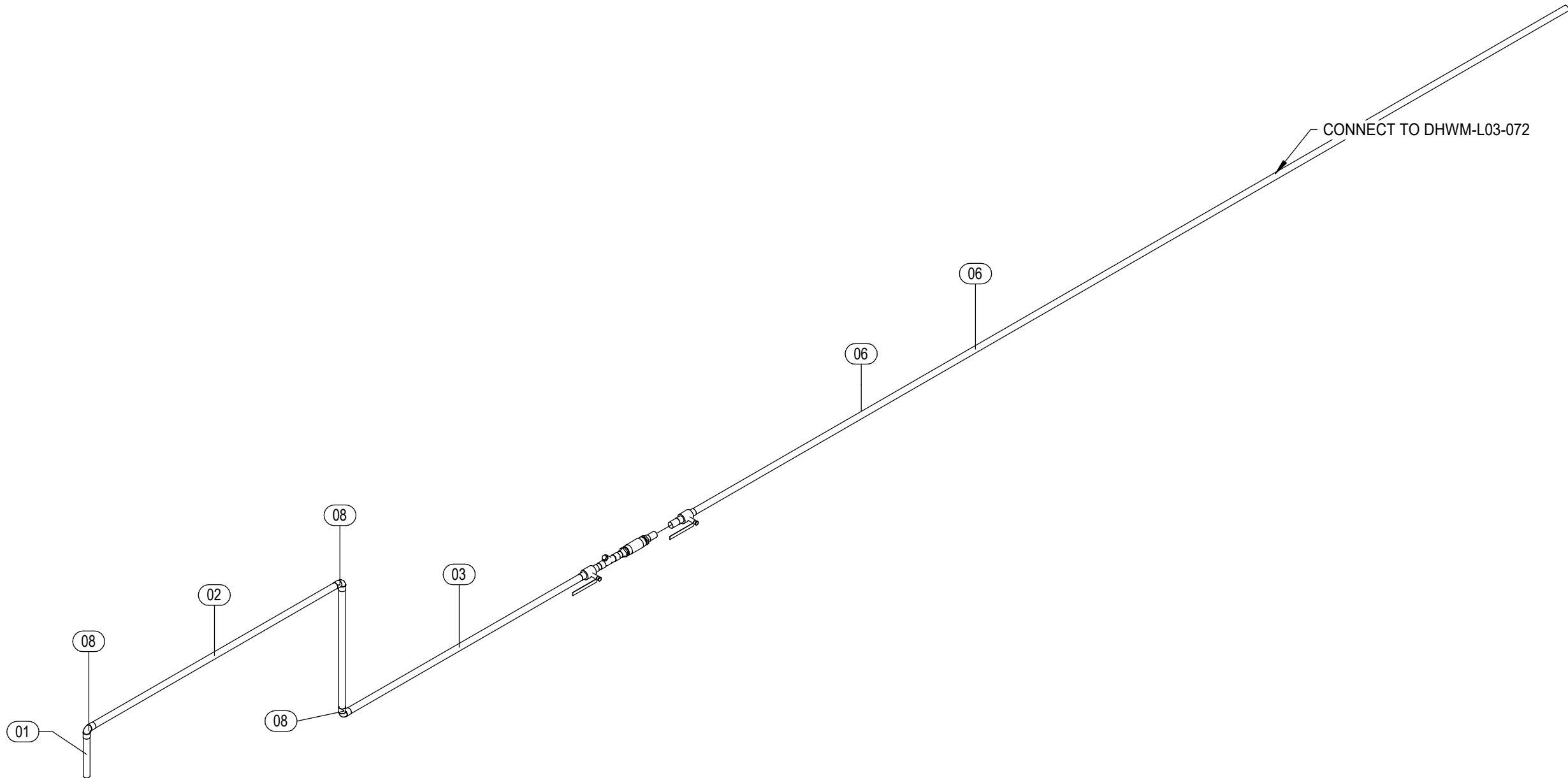
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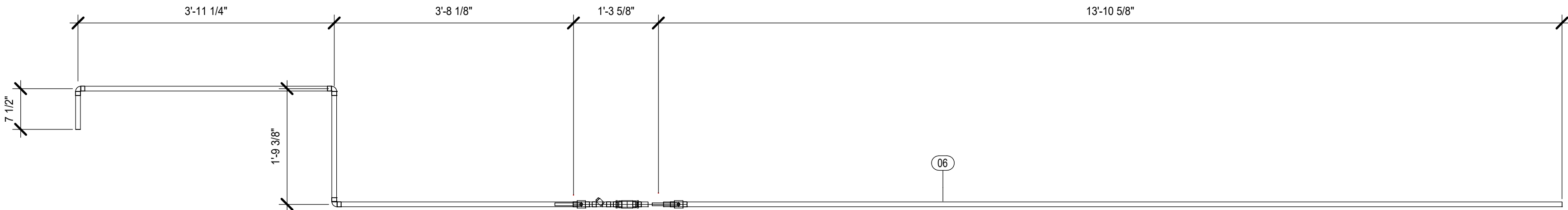
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Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	0'-7"				1"
02	1	3/4"	Cerro Type L Hard Copper Pipe	3'-10 1/4"				1"
03	1	3/4"	Cerro Type L Hard Copper Pipe	3'-6 5/16"				1"
04	1	3/4"	Cerro Type L Hard Copper Pipe	1'-8 5/16"				1"
05	1	3/4"	Cerro Type L Hard Copper Pipe	1'-1 15/16"				1"
06	1	3/4"	Cerro Type L Hard Copper Pipe	9'-3 11/16"				1"
07	1	3/4"	A-Balancing - Circuit Setter - 0.5-2 Inch					1"
08	3	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
09	1	3/4"	Apollo 77CLF-140 LF-Brz 2pc FP SS-B&S Ball Valve Swt					1"



1 ISOMETRIC

SCALE:



2 RIGHT ELEVATION

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

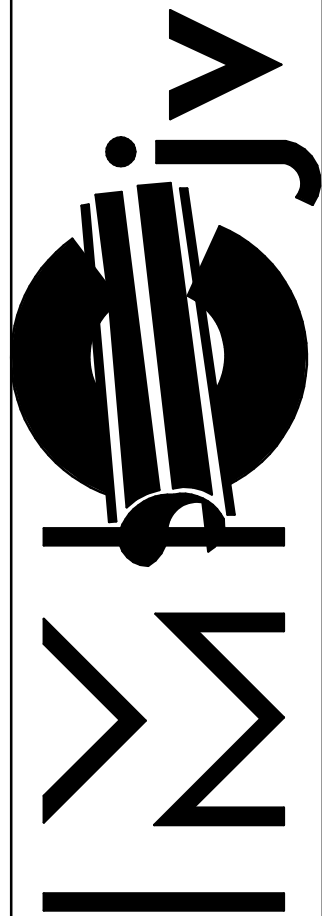
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: DHRM-L03-071

Drawn By: Author

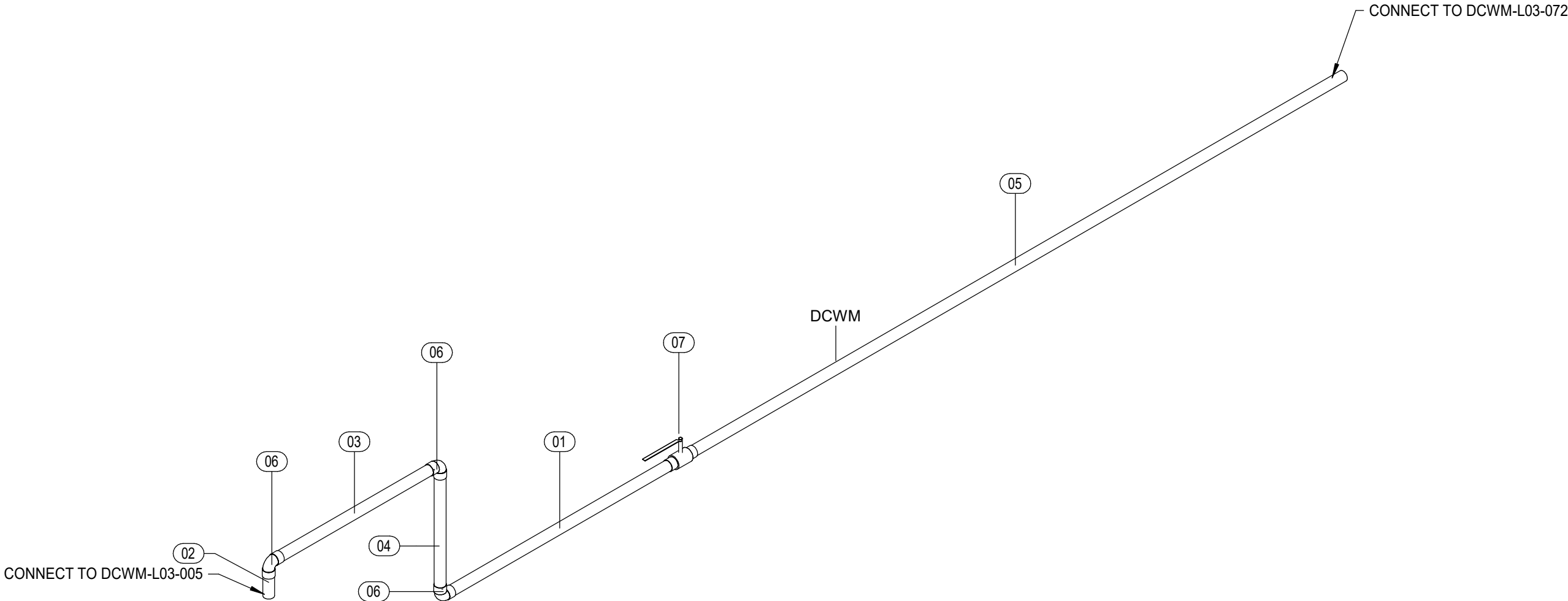
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314-997-6600 phone

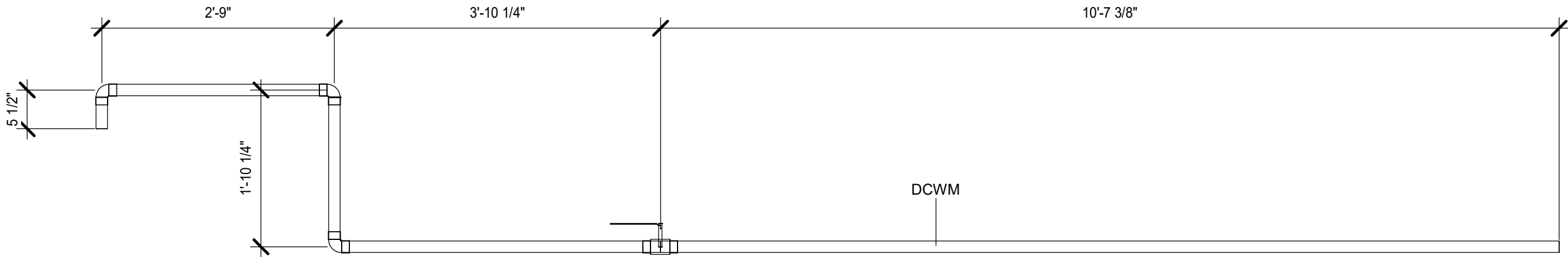
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Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-7 13/16"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-4 7/16"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-6 7/8"				1"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-8 3/16"				1"
05	1	1 1/2"	Cerro Type L Hard Copper Pipe	10'-6 1/16"				1"
06	3	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
07	1	1 1/2"	Apollo 77CLF-140 LF-Brz 2pc FP SS-B&S Ball Valve Swt					1"



1 ISOMETRIC

SCALE:

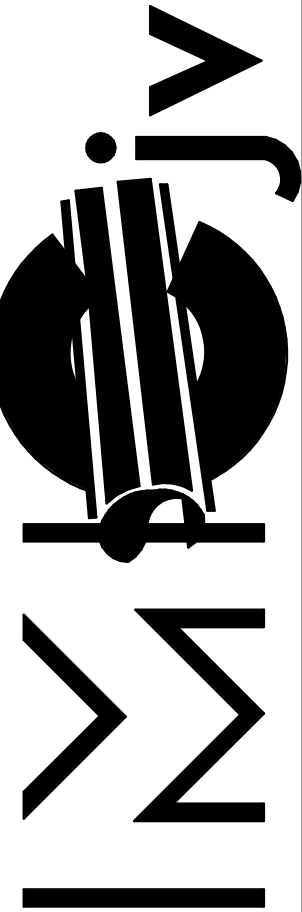


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB	TICKET: DCWM-L03-071	Drawn By: Author	DATE REQ: 08/20/21
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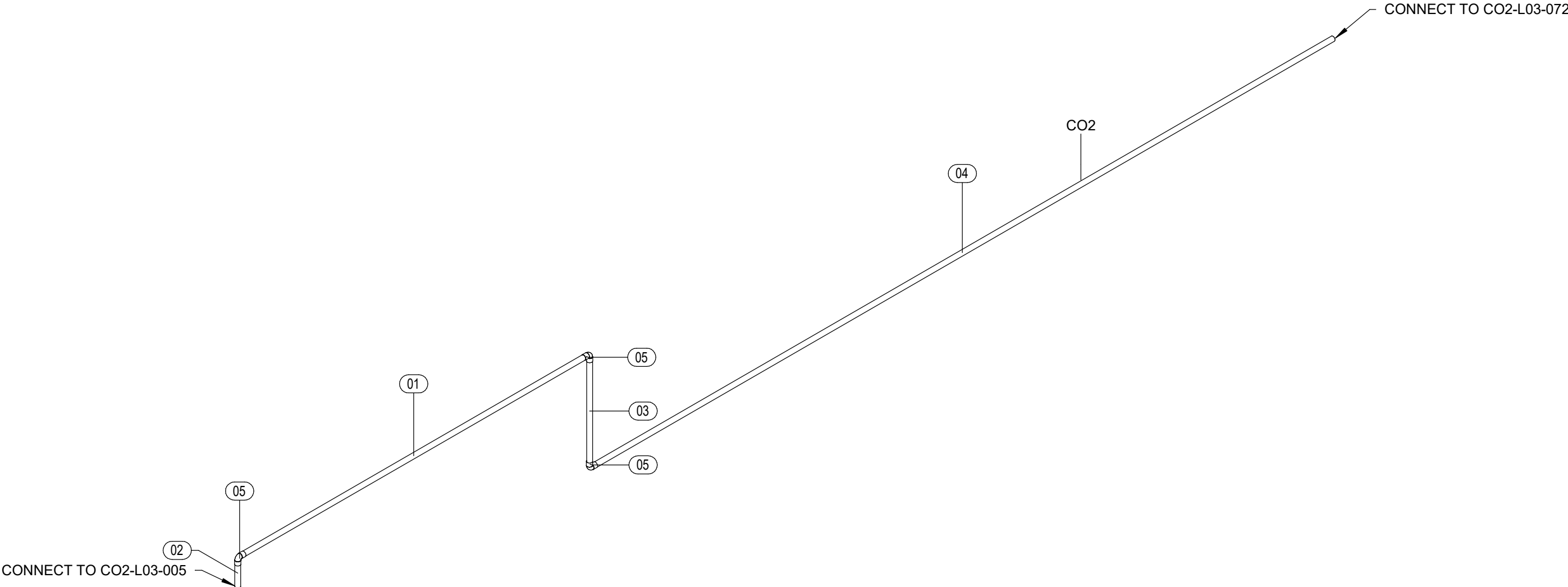


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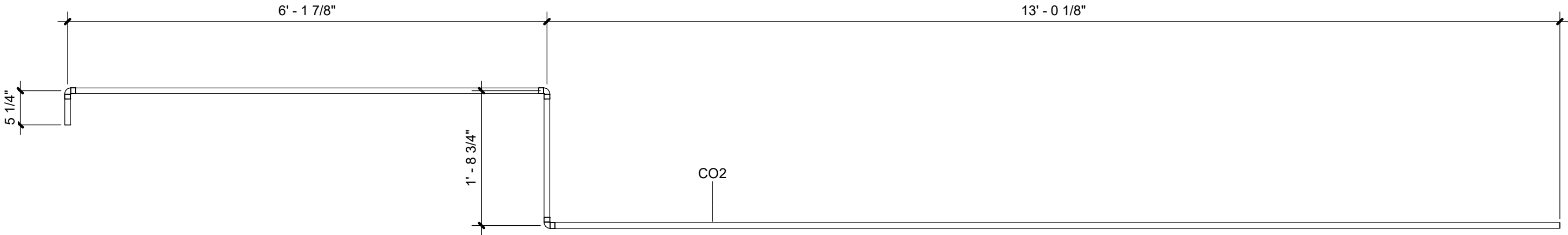
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8/31/2021 3:11:03 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation	Strut Width
01	1	3/4"	Cerro Type L Hard Copper - CFOS	6'-0 7/8"					
02	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-4 3/4"					
03	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-7 11/16"					
04	1	3/4"	Cerro Type L Hard Copper - CFOS	12'-11 5/8"					
05	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow						



1 ISOMETRIC

SCALE:

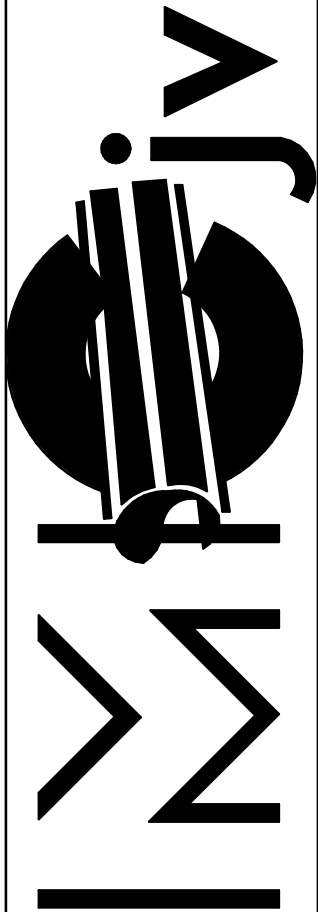


2 RIGHT ELEVATION

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

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A2	A4	B2	B4

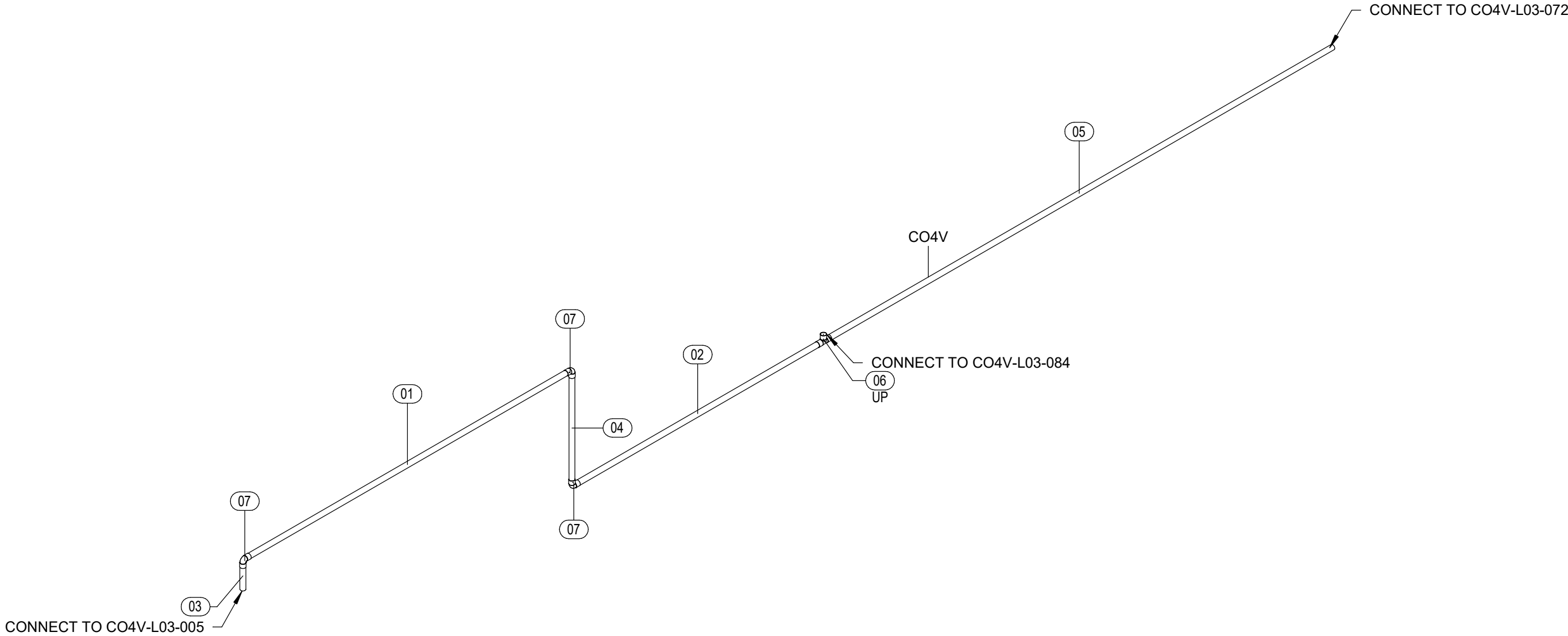
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TICKET: CO2-L03-071  
Drawn By: Author  
DATE: 08/19/21  
DATE REQ:



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St. Louis, Mo 63132-2303  
314-997-6600 phone

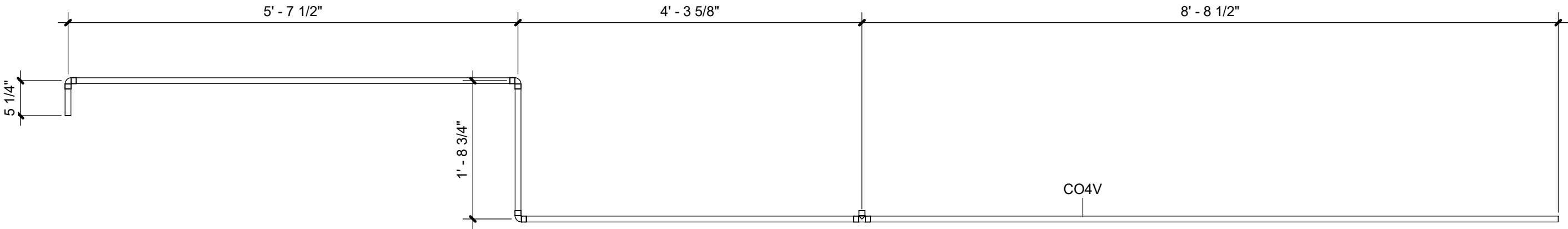
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Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation	Strut Width
01	1	3/4"	Cerro Type L Hard Copper - CFOS	5'-6 9/16"					
02	1	3/4"	Cerro Type L Hard Copper - CFOS	4'-2 5/8"					
03	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-4 3/4"					
04	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-7 3/4"					
05	1	3/4"	Cerro Type L Hard Copper - CFOS	8'-8"					
06	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee						
07	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow						



1 ISOMETRIC

SCALE:



2 RIGHT ELEVATION

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

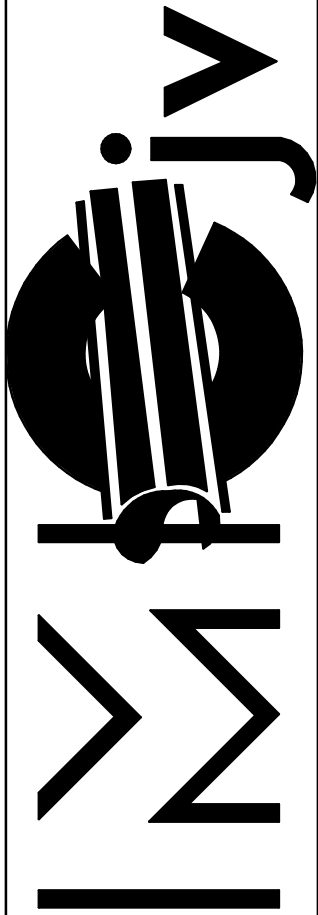
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A2	A4	B2	B4

JOB: WASH U NRB

TICKET: CO4V-L03-071

Drawn By: Author

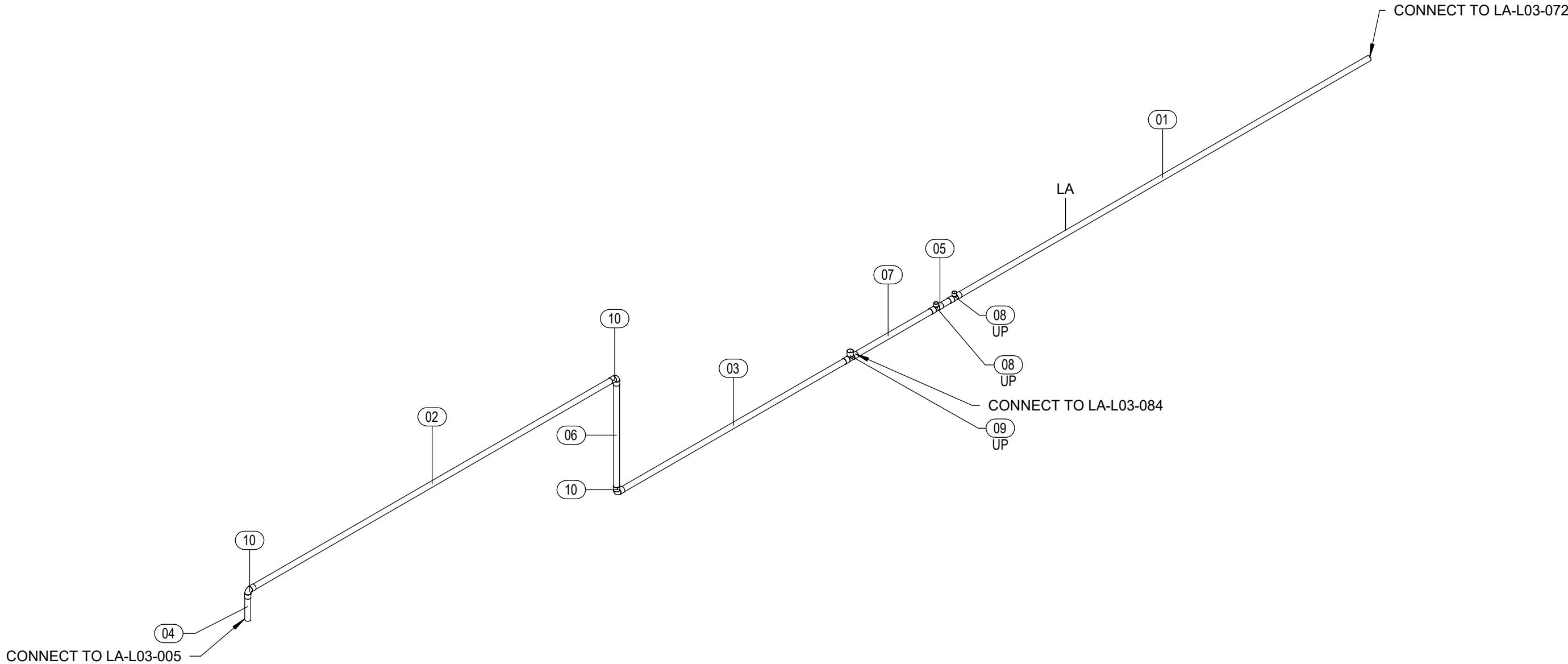
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314-997-6600 phone

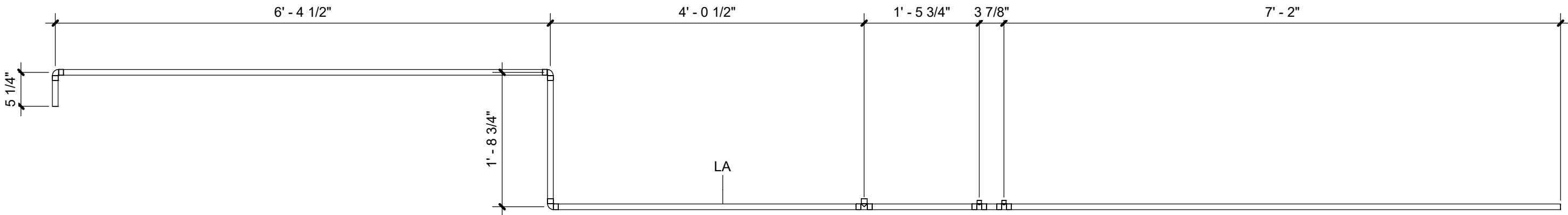
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1/11/2022 1:11:46 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	7'-1 5/8"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	6'-3 1/2"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-11 1/2"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-4 3/4"	
05	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-3 1/8"	
06	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-7 3/4"	
07	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-4 7/8"	
08	2	3/4"x1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
09	1	3/4"	Nibco 611-CB CFOS Wrot Copper Tee		
10	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		



1 ISOMETRIC

SCALE:

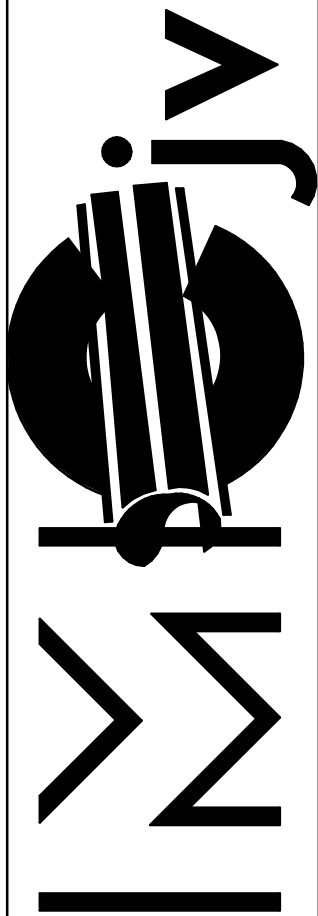


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

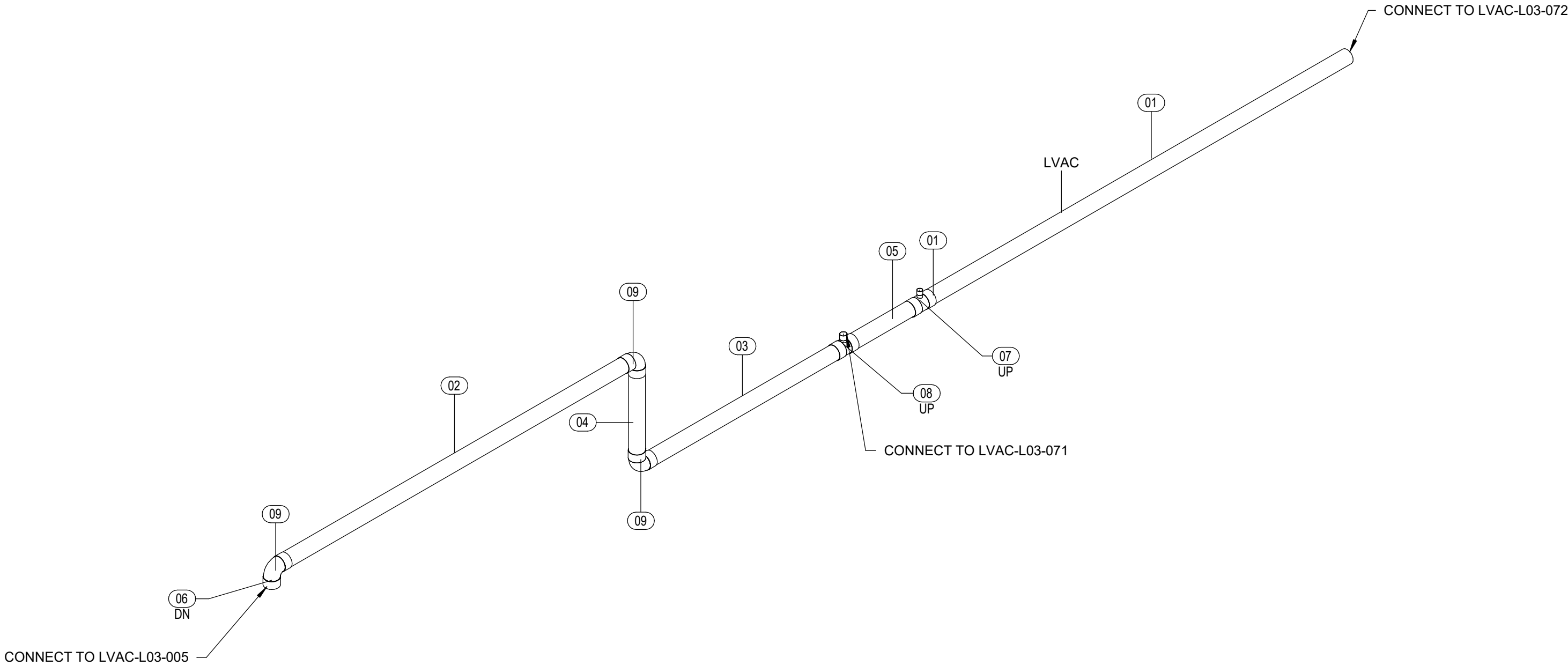
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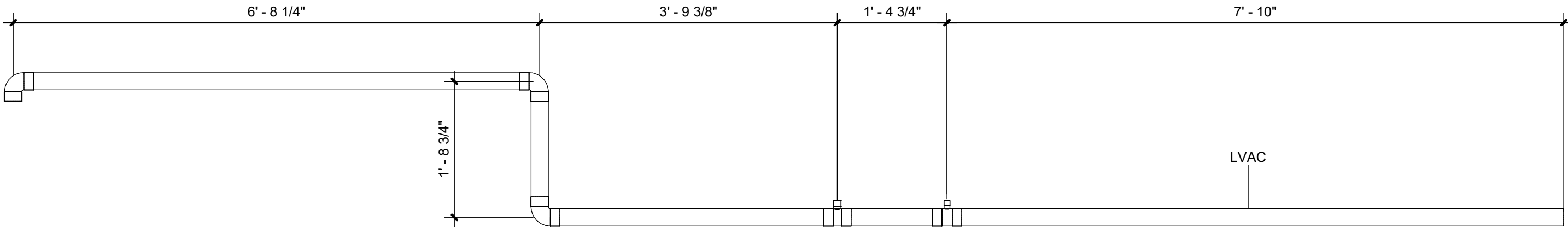
1233 N. Price Rd.  
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314-997-6600 phone

BIM 360://WUSM NRBWUSM\_RB\_PUF.rvt  
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Mark	Qty	Size	Description	Length	Insulation
01	1	2 1/2"	Cerro Type L Hard Copper - CFOS	7'-9 1/4"	
02	1	2 1/2"	Cerro Type L Hard Copper - CFOS	6'-5"	
03	1	2 1/2"	Cerro Type L Hard Copper - CFOS	3'-7 1/8"	
04	1	2 1/2"	Cerro Type L Hard Copper - CFOS	1'-5 1/2"	
05	1	2 1/2"	Cerro Type L Hard Copper - CFOS	1'-3 3/8"	
06	1	2 1/2"	Cerro Type L Hard Copper - CFOS	0'-1 3/8"	
07	1	2 1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
08	1	2 1/2"x1"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
09	3	2 1/2"	Nibco 607-CB CFOS Wrot 90 Elbow		



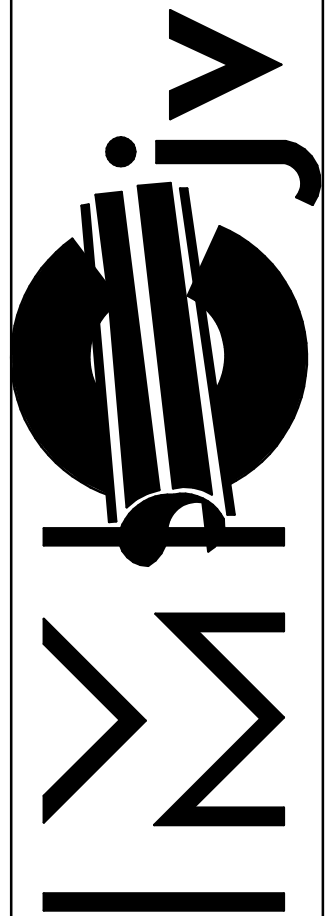
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

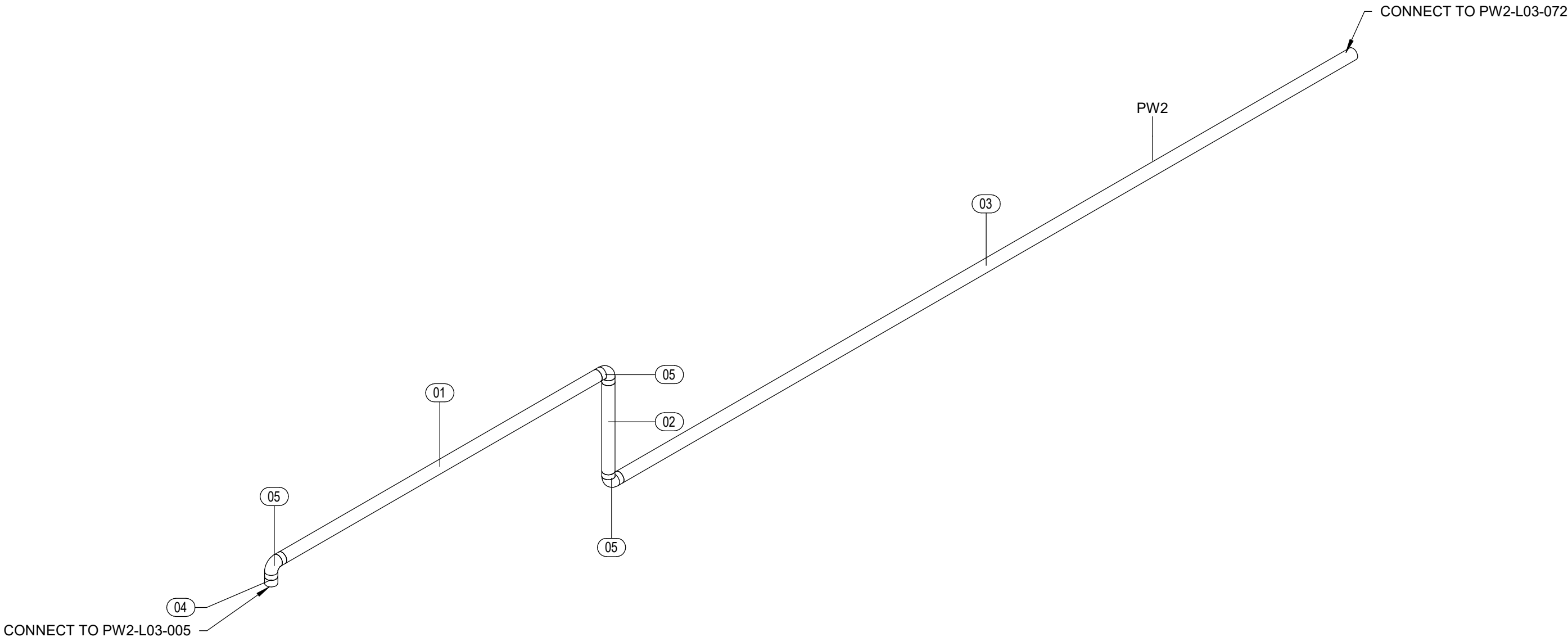
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TICKET:	LVAC-L03-071
Drawn By: Author	
DATE: 08/19/21	DATE REQ:



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8/31/2021 3:12:48 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation	Strut Width
01	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	5'-6 3/16"					
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	1'-4 3/16"					
03	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	12'-9 7/8"					
04	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	0'-1 3/16"					
05	3	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow						



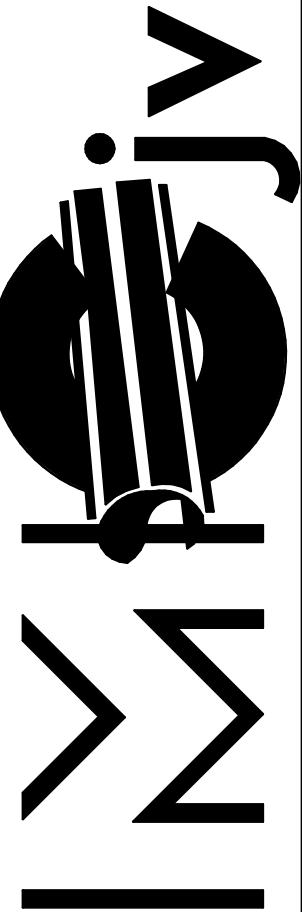
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW2-L03-071
Drawn By: Author	
DATE: 08/19/21	DATE REQ:



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