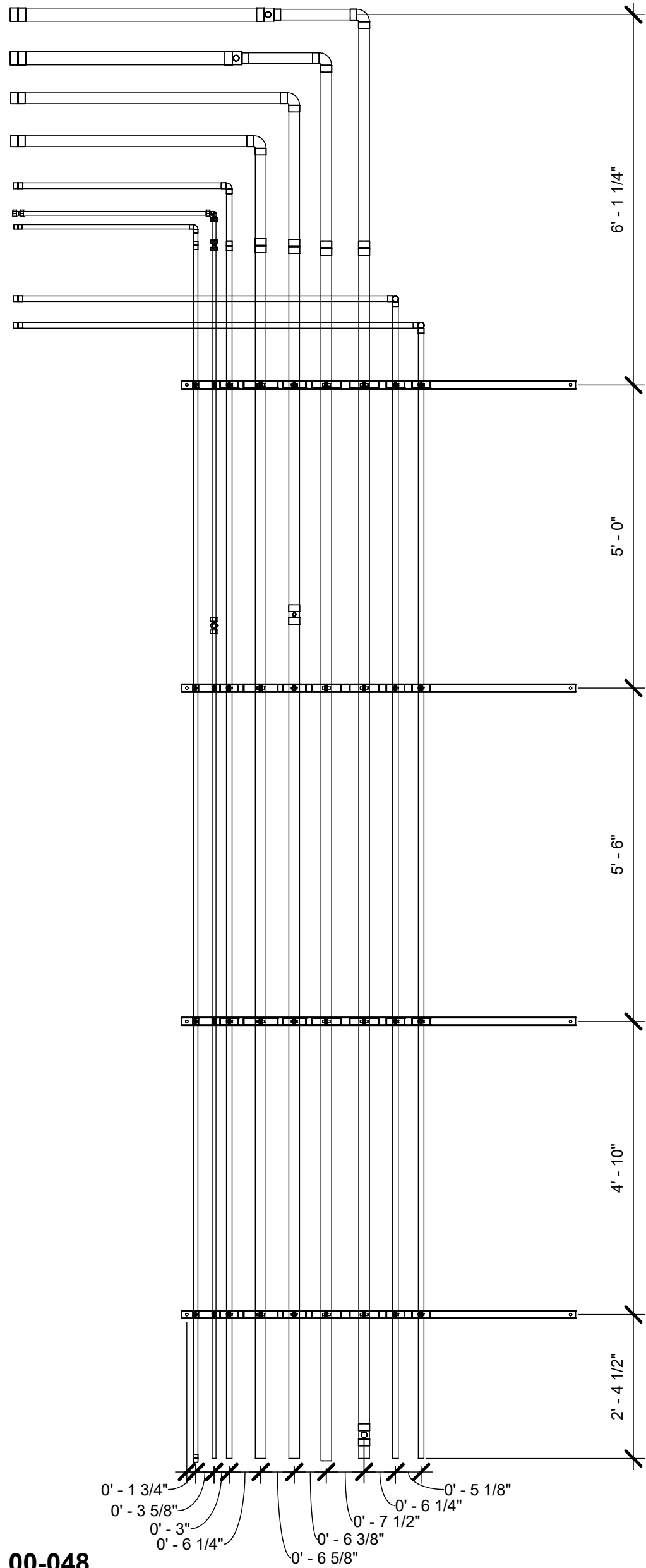


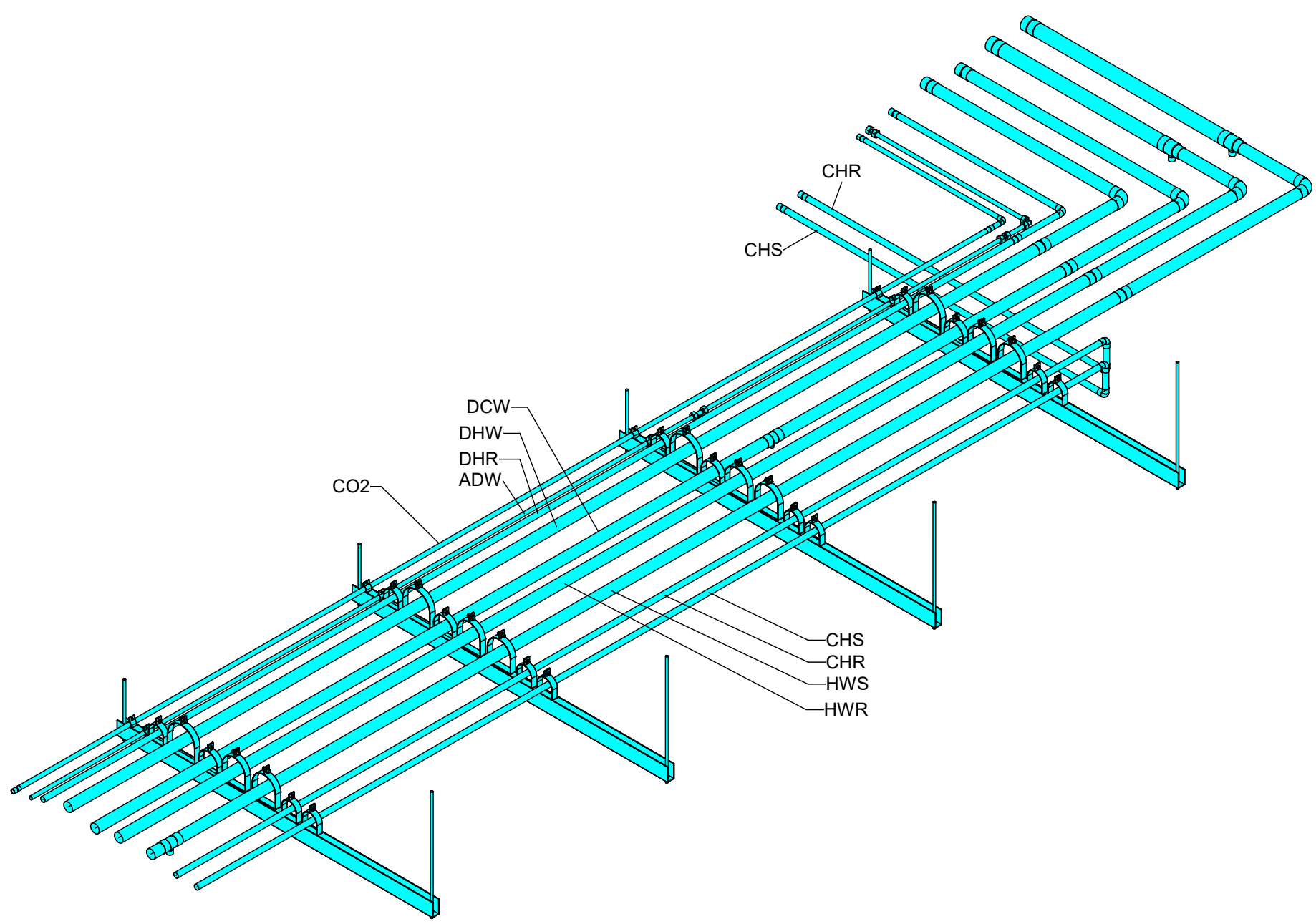
BIM 360//WUSM NRBWUSM\_RB\_SPOOLING MASTER.rvt  
6/23/2021 7:43:36 AM



1 **AS-L00-048**  
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

2 **AS-L00-048 - ISOMETRIC**  
SCALE:

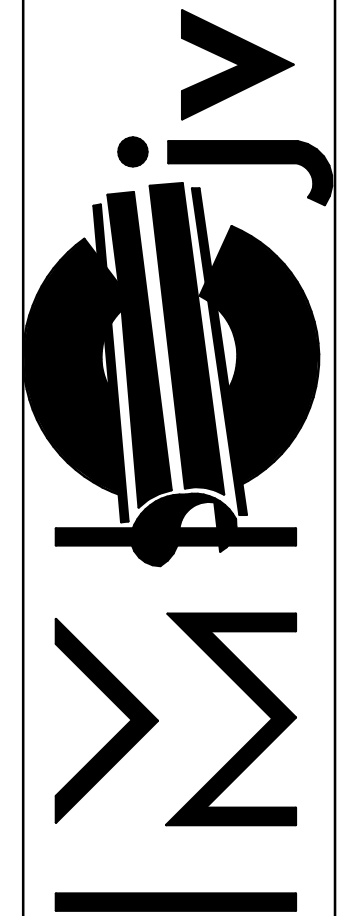


JOB: **WASH U NRB**

TICKET: **AS-L00-048**

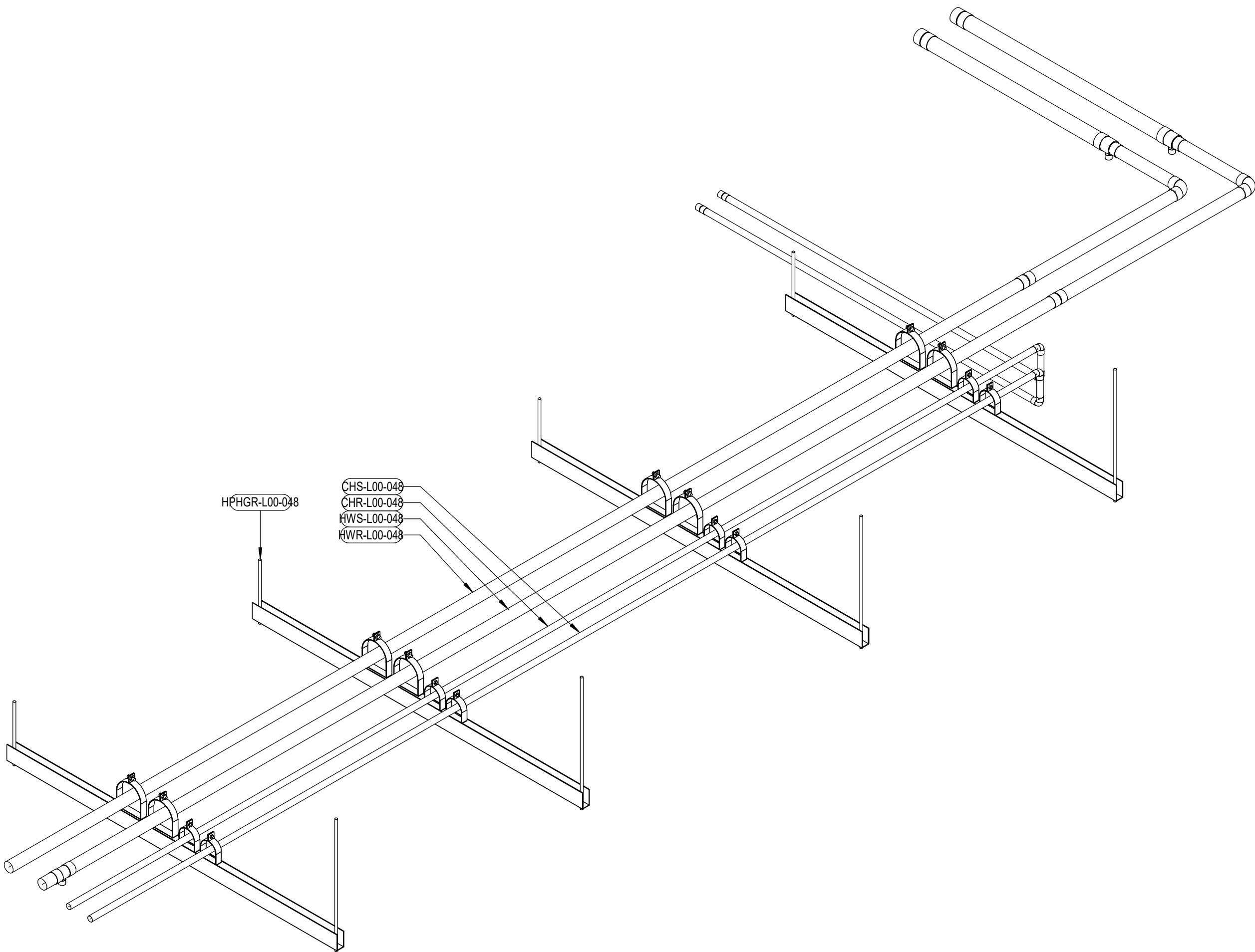
Drawn By: Author

DATE REQ: 03/11/21



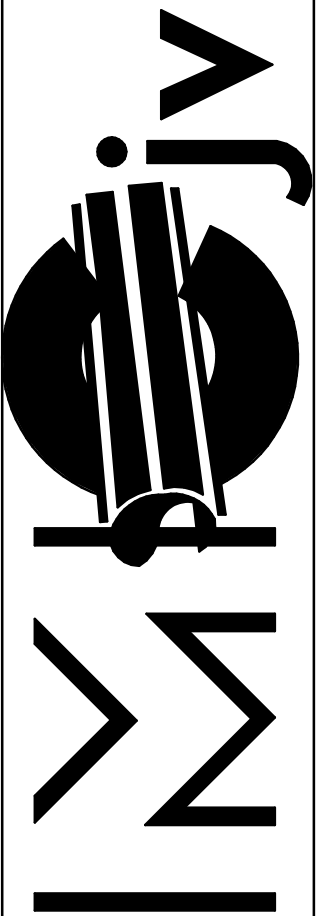
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRBWUSM\_RB\_HP.rvt  
6/4/2021 10:25:14 AM



1 HP-L00-048  
SCALE:

A1	A3	B1	B3
A2	A4	B2	B4



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

JOB: WASH U NRB

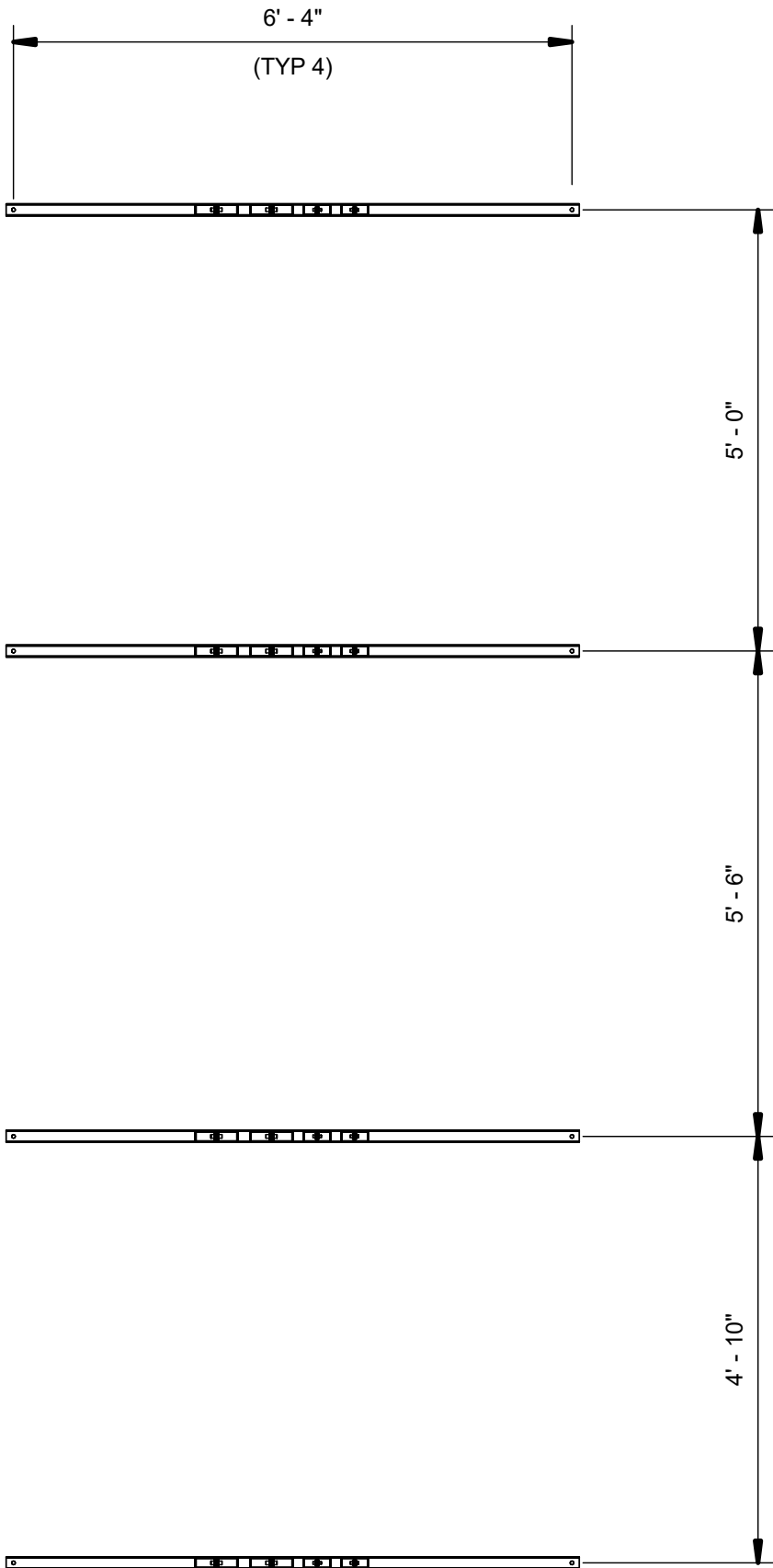
TICKET:

Drawn By: Author

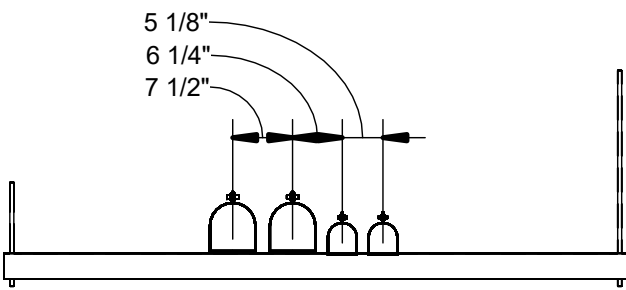
DATE: 06/03/21 DATE REQ:

BIM 360//WUSM NRBWUSM RB HPF.rvt  
6/2/2021 3:39:40 PM

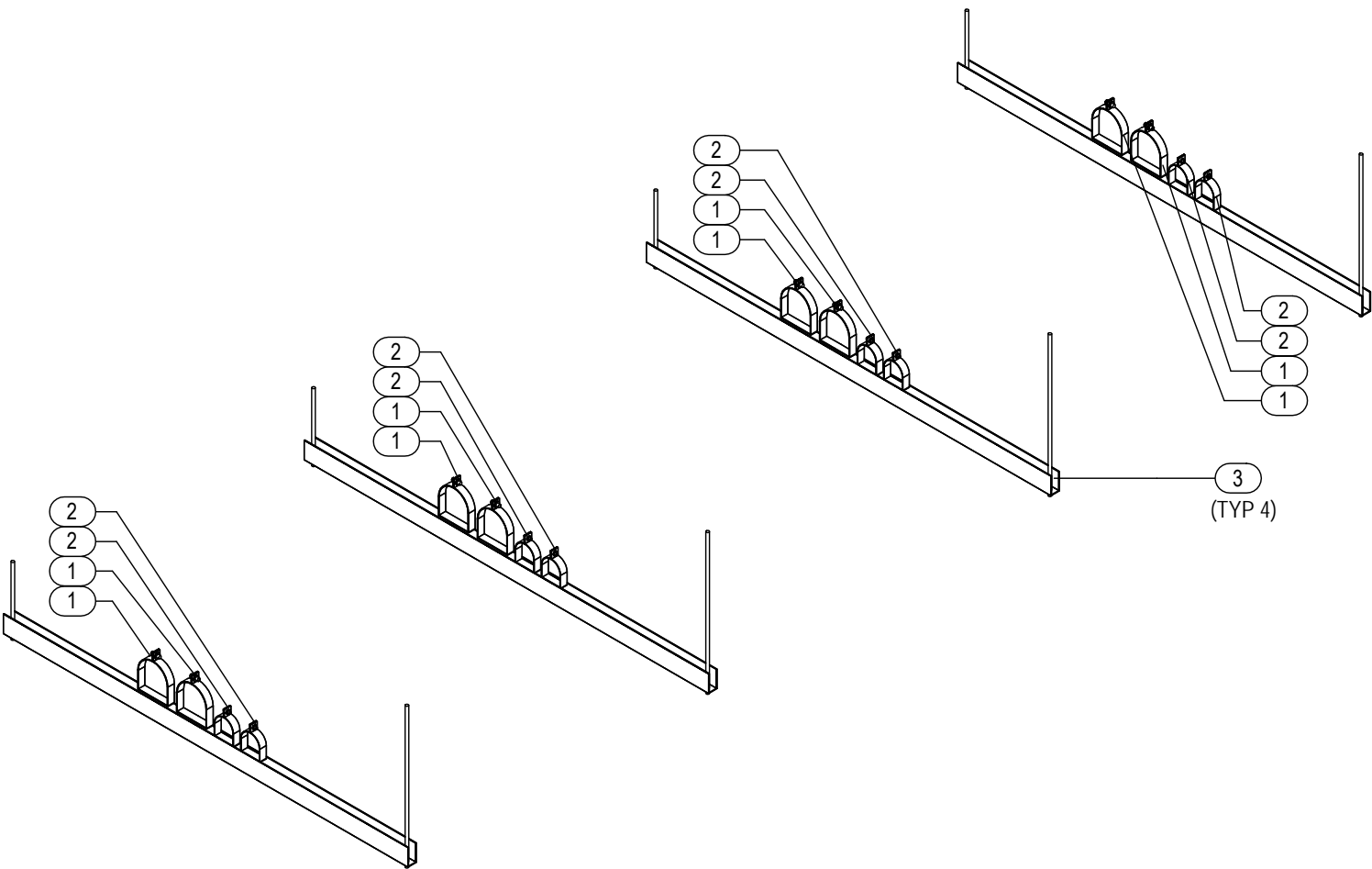
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	8	5"	B-Line B2000 ZN Sch 40 Pipe Clamp					
2	8	3"	B-Line B2000 ZN Sch 40 Pipe Clamp					
3	4	74"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		6' - 6"	1' - 1"	2' - 3"	



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



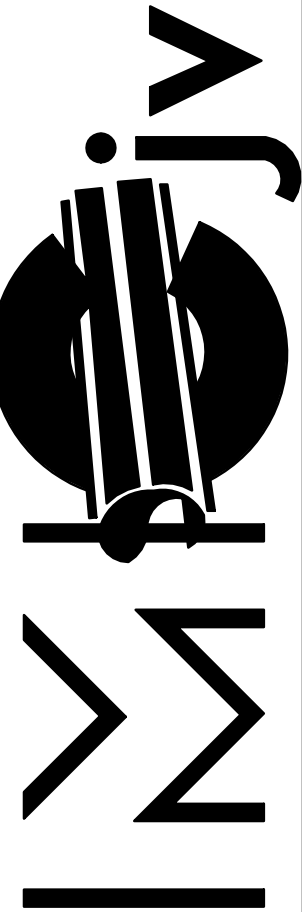
3 FRONT ELEVATION1  
SCALE: 1/2" = 1'-0"



1 ISOMETRIC  
SCALE:

A1	A3	B1	B3
A2	A4	B2	B4

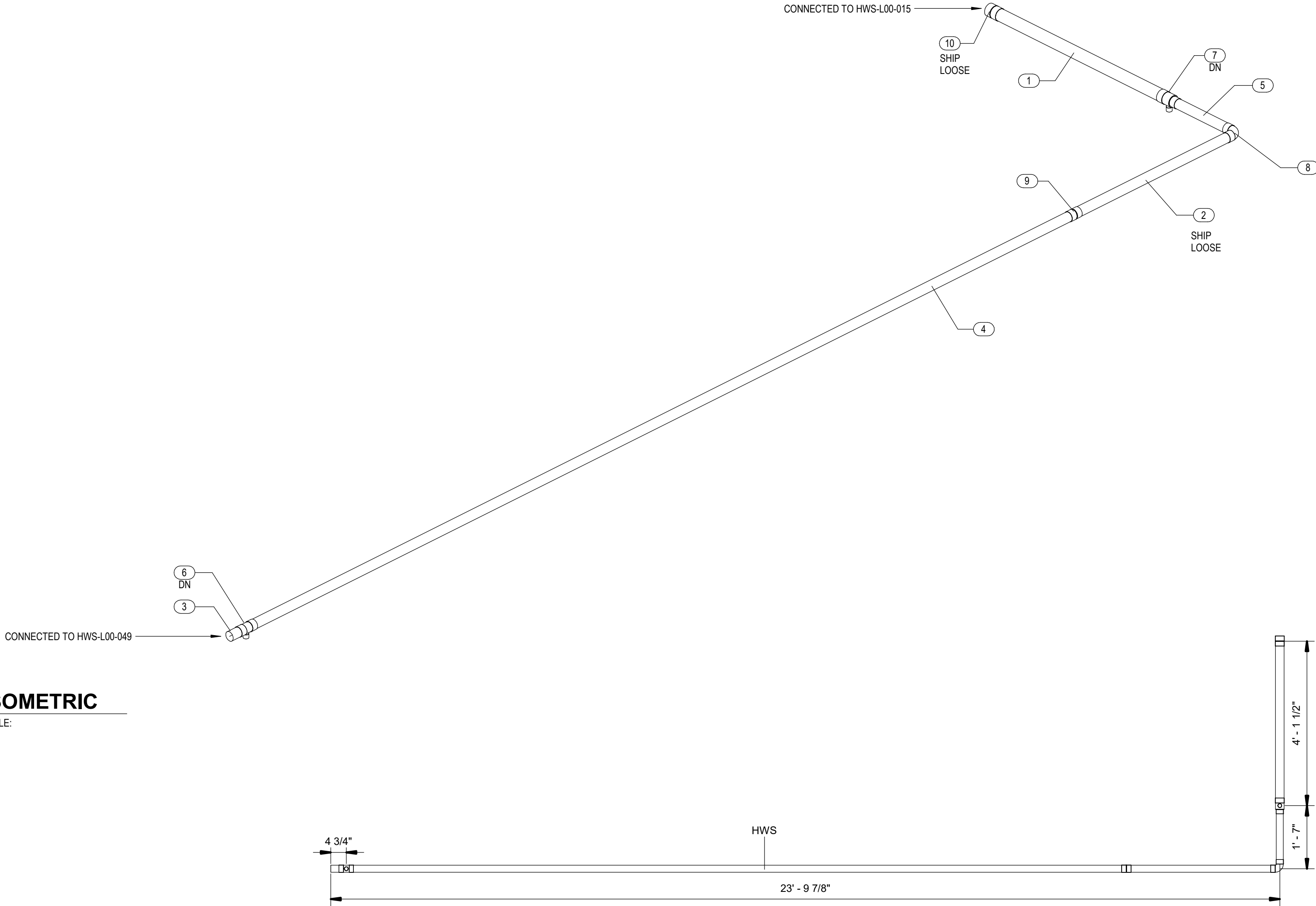
JOB: WASH U NRB	TICKET: HPHGR-L00-048	Drawn By: Author	DATE: 05/14/21
DATE REQ:			



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

BIM 360://WUSM NRBWUSM\_RB\_HPF.rvt  
6/3/2021 5:39:15 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	2 1/2"	Cerro Type K Hard Copper Pipe	4'-0 11/16"				1 1/2"
2	1	2"	Cerro Type K Hard Copper Pipe	3'-8 3/4"				1 1/2"
3	1	2"	Cerro Type K Hard Copper Pipe	0'-3 7/8"				1 1/2"
4	1	2"	Cerro Type K Hard Copper Pipe	19'-6"				1 1/2"
5	1	2"	Cerro Type K Hard Copper Pipe	1'-4 7/16"				1 1/2"
6	1	2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
7	1	2 1/2"x2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
8	1	2"	Nibco Wrot 607 90 Deg Ell CxC					1 1/2"
9	1	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"
10	1	2 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"

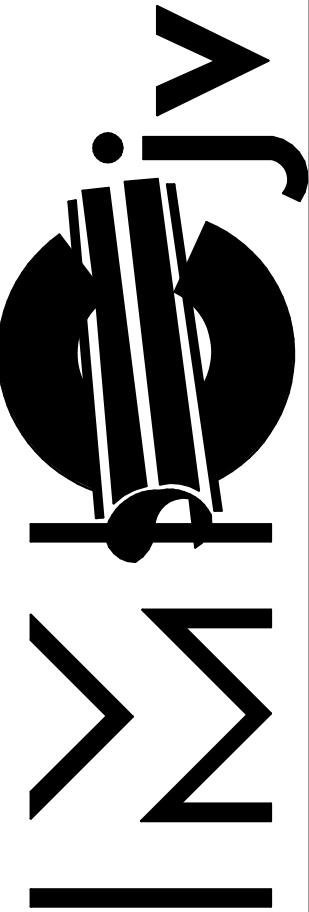


1 ISOMETRIC  
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	HWS-L00-048
Drawn By: Author	
DATE: 05/27/21	DATE REQ:



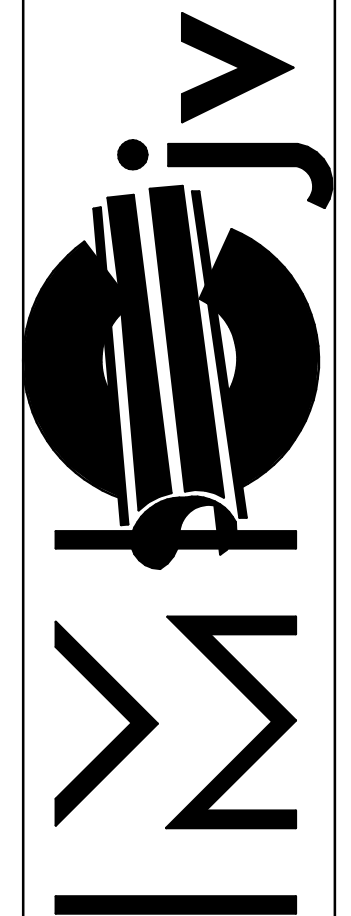
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	2 1/2"	Cerro Type K Hard Copper Pipe	3'-6 3/8"				1 1/2"
2	1	2"	Cerro Type K Hard Copper Pipe	3'-0 1/8"				1 1/2"
3	1	2"	Cerro Type K Hard Copper Pipe	20'-0"				1 1/2"
4	1	2"	Cerro Type K Hard Copper Pipe	1'-3 1/4"				1 1/2"
5	1	2 1/2"x2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
6	1	2"	Nibco Wrot 607 90 Deg Ell CxC					1 1/2"
7	1	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"
8	1	2 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



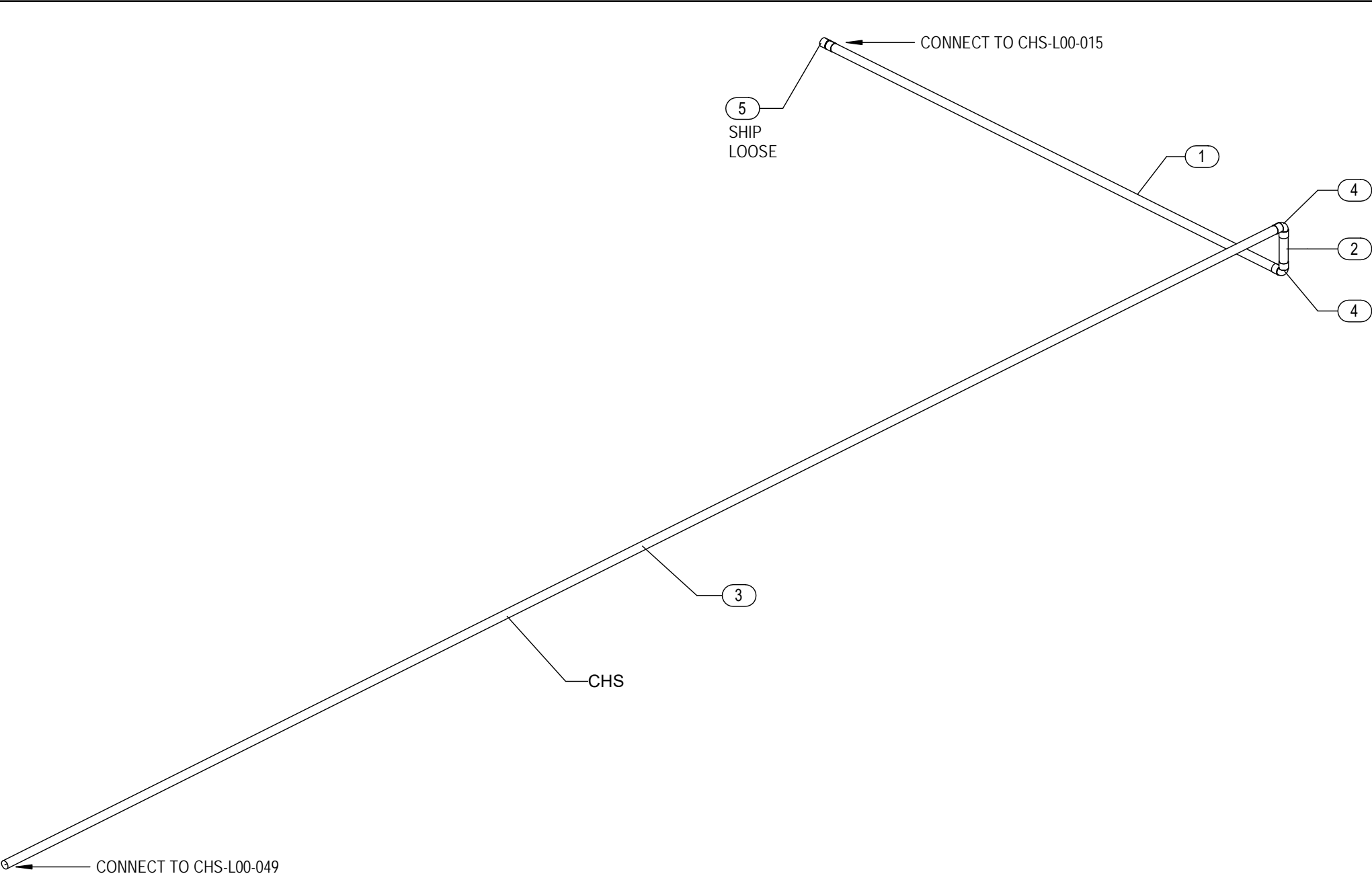
A1	A3	B1	B3
A2	A4	B2	B4

DATE: 05/27/21	DATE REQ:
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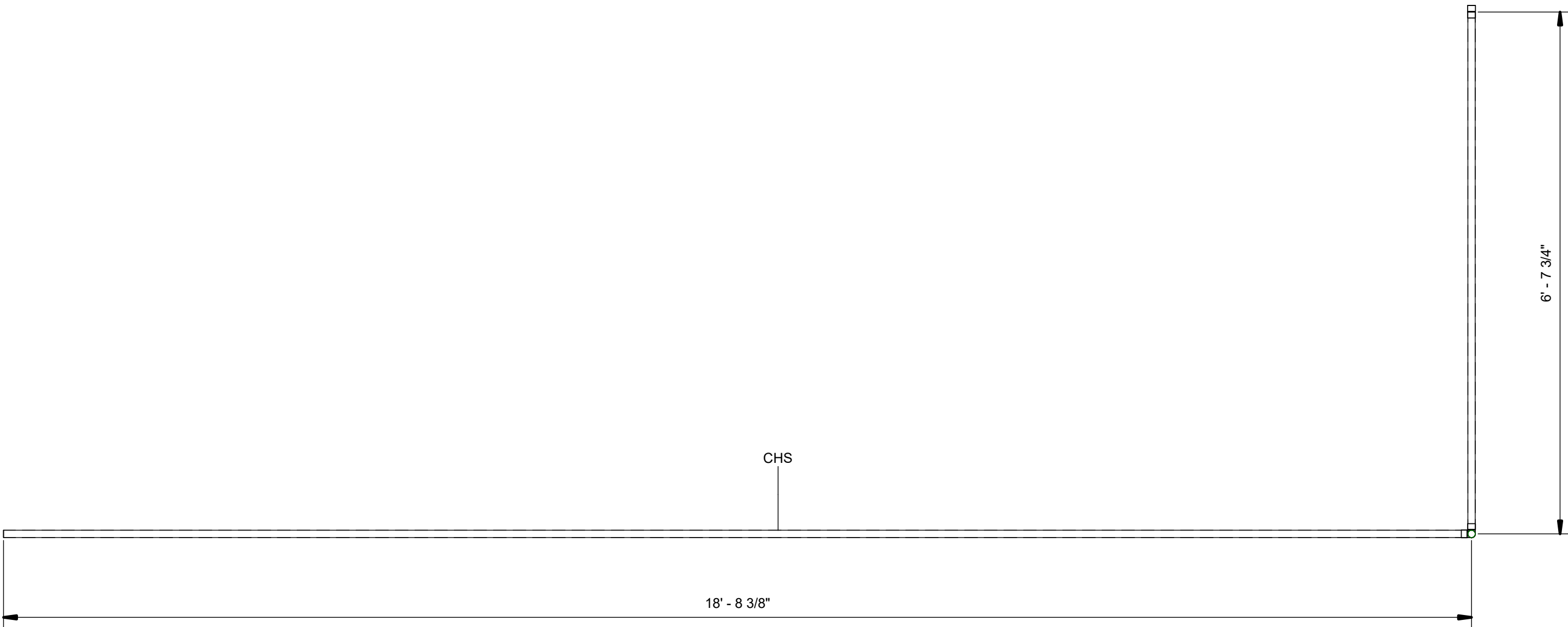
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360//WUSM NRBWUSM\_RB\_HPF.rvt  
6/2/2021 2:32:37 PM



Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	1"	Cerro Type K Hard Copper Pipe	6'-7 1/8"				1"
2	1	1"	Cerro Type K Hard Copper Pipe	0'-5 7/16"				1"
3	1	1"	Cerro Type K Hard Copper Pipe	18'-7 11/16"				1"
4	2	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
5	1	1"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"

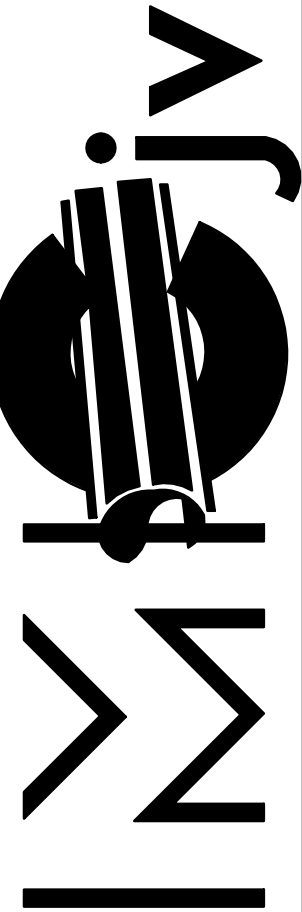
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

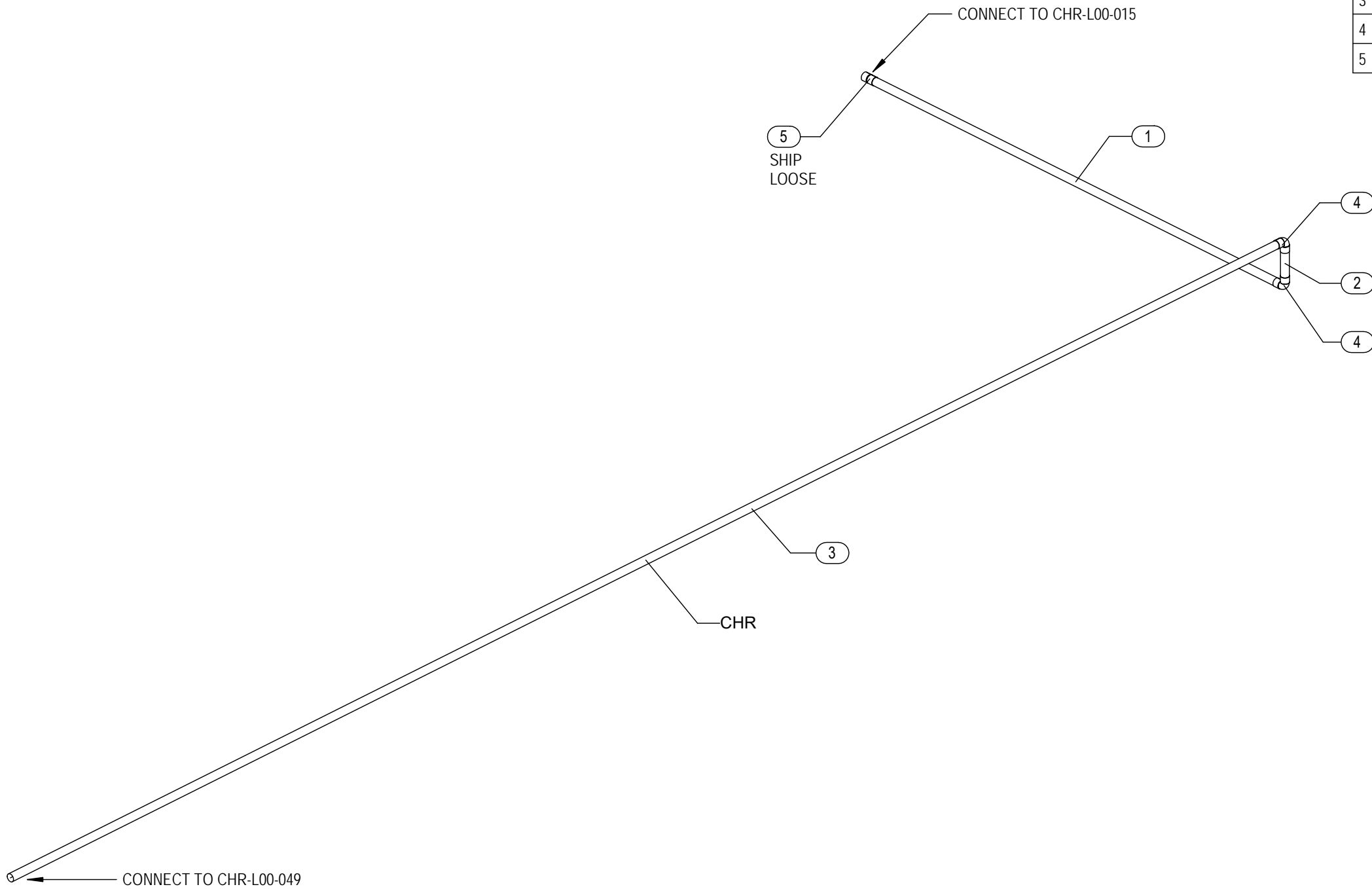
JOB: WASH U NRB  
TICKET: CHS-L00-048  
Drawn By: Author  
DATE: 05/27/21  
DATE REQ:



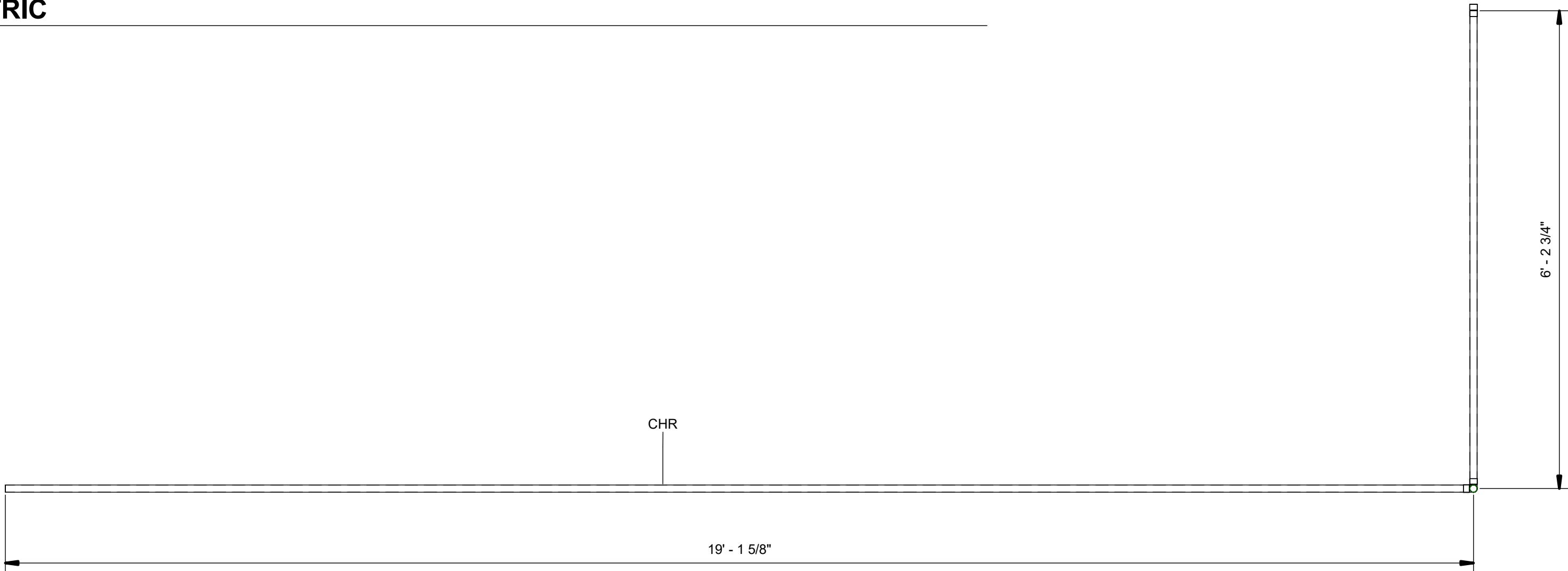
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRBWUSM\_RB\_HPF.rvt  
6/2/2021 2:27:19 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	1"	Cerro Type K Hard Copper Pipe	6'-2 1/16"				1"
2	1	1"	Cerro Type K Hard Copper Pipe	0'-5 7/16"				1"
3	1	1"	Cerro Type K Hard Copper Pipe	19'-0 15/16"				1"
4	2	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
5	1	1"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1 ISOMETRIC  
SCALE:



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

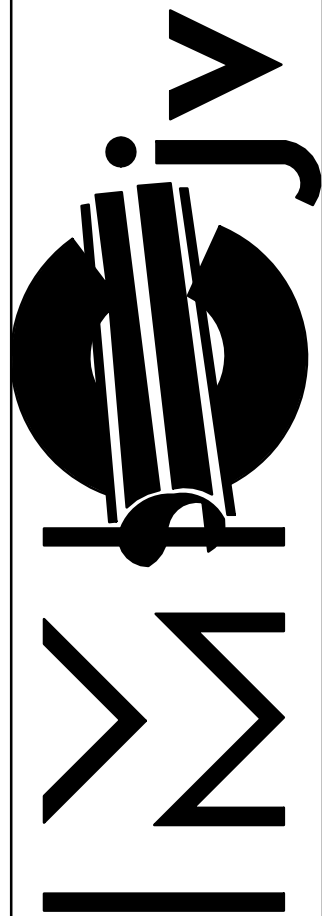
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: CHR-L00-048

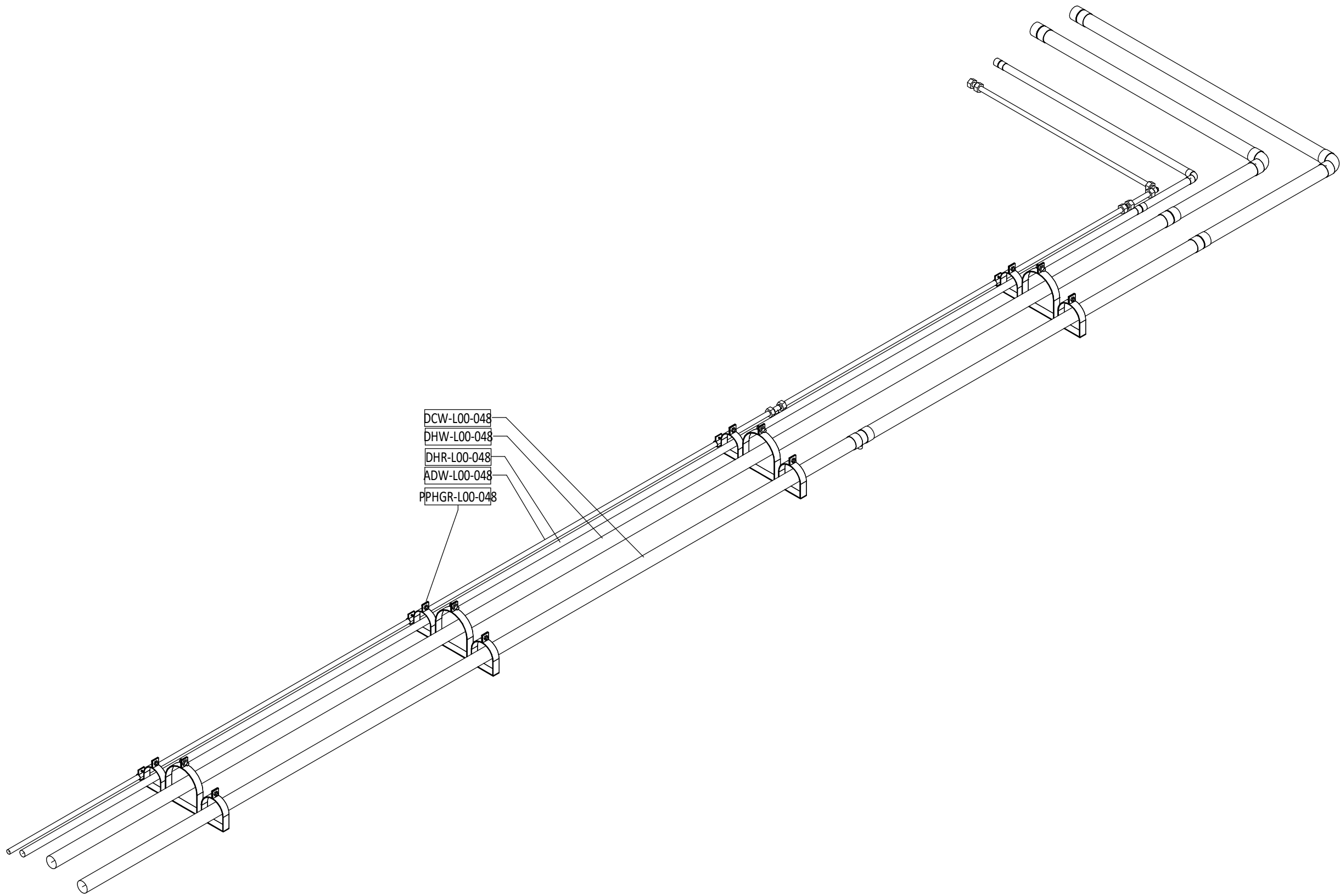
Drawn By: Author

DATE: 05/27/21 DATE REQ:



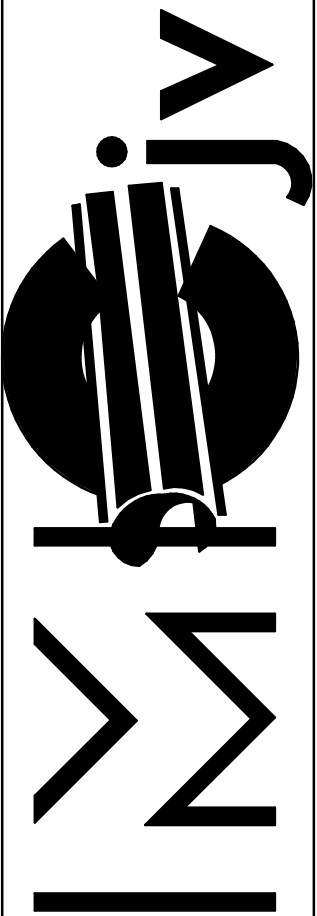
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRBWUSM\_RB\_PLF.rvt  
6/4/2021 10:24:35 AM



**1** PP-L00-048  
SCALE:

A1	A3	B1	B3
A2	A4	B2	B4



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

JOB: WASH U NRB

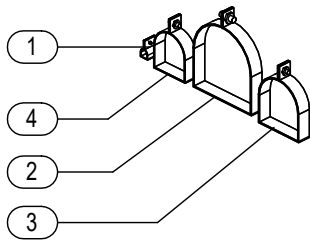
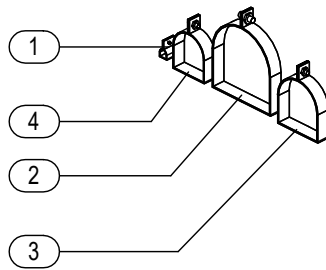
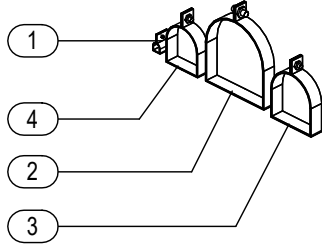
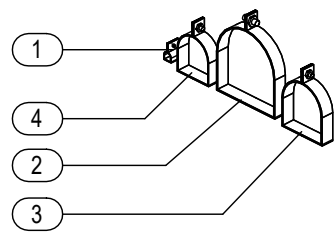
TICKET:

Drawn By: Author

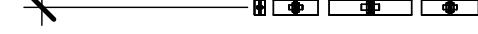
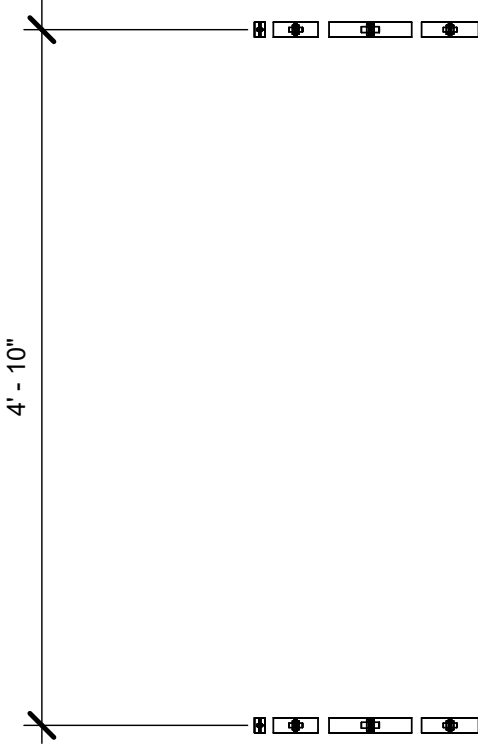
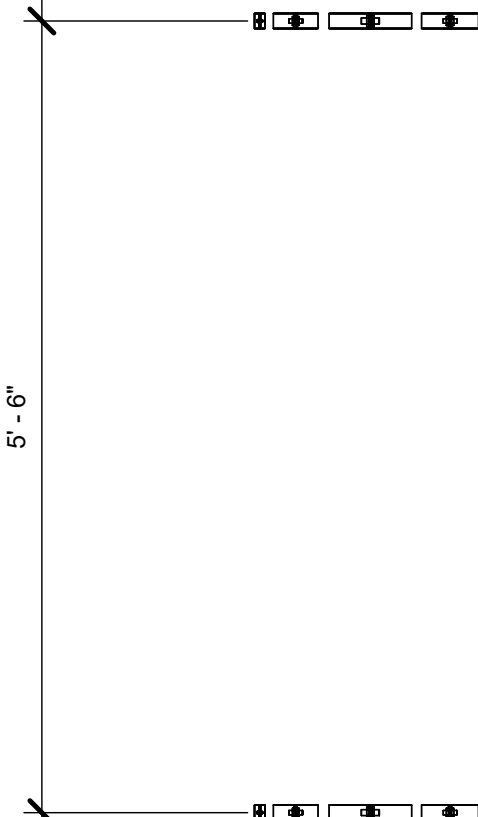
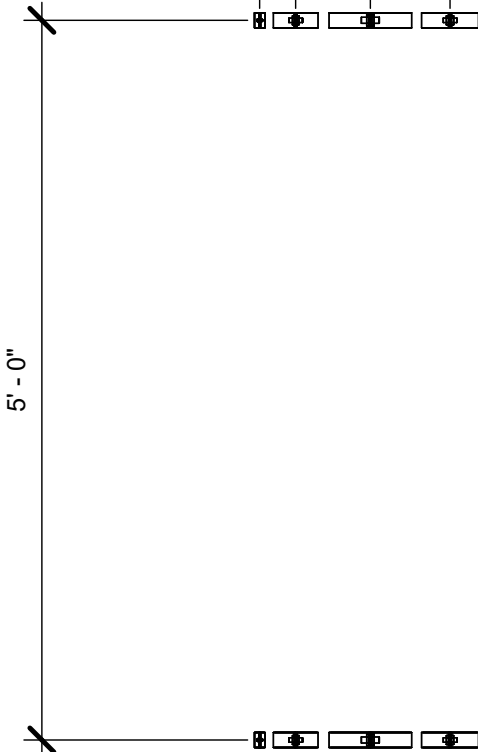
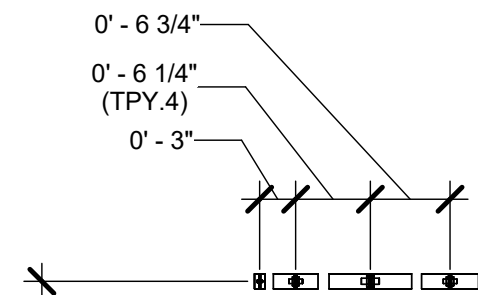
DATE: 06/04/21 DATE REQ:



BIM 360://WUSM NRB/WUSM RB\_PLF.rvt  
6/3/2021 2:10:14 PM



Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	4	0.5"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
2	4	6"	B-Line B2000 ZN Sch 40 Pipe Clamp					
3	4	4"	B-Line B2000 ZN Sch 40 Pipe Clamp					
4	4	3"	B-Line B2000 ZN Sch 40 Pipe Clamp					



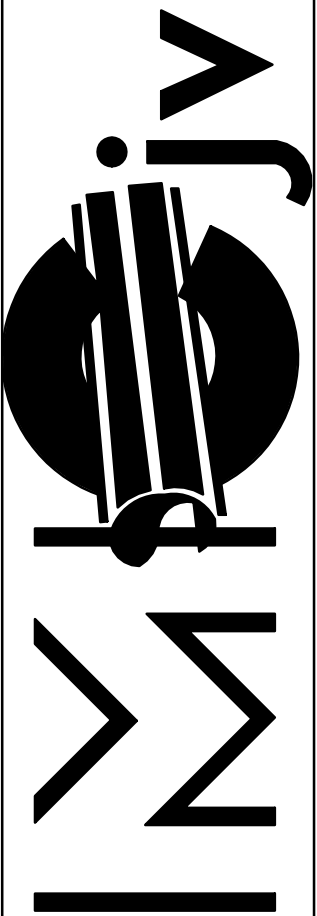
3 TOP VIEW  
SCALE: 3/4" = 1'-0"

1 ISOMETRIC  
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

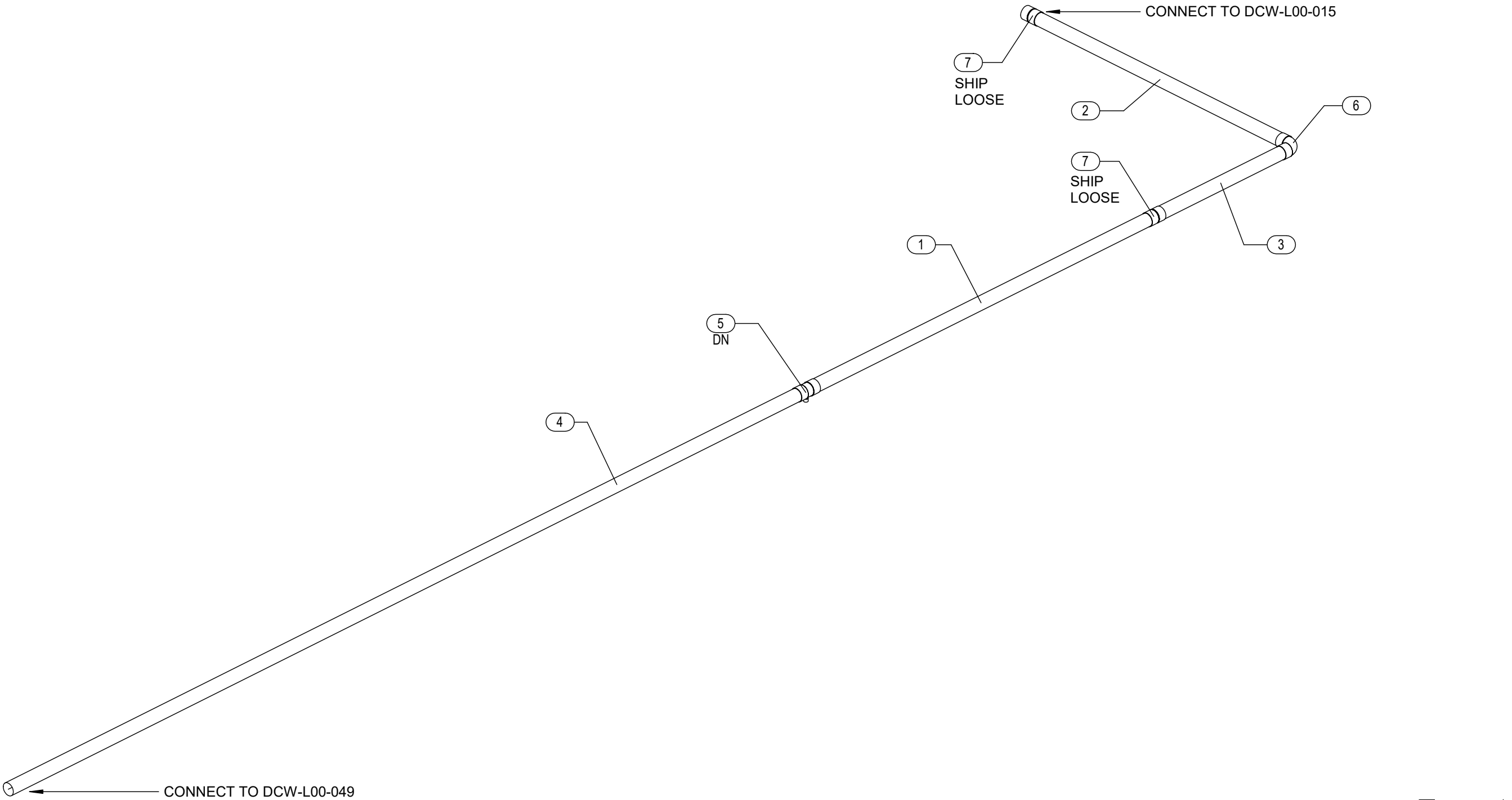
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TICKET:	PPHGR-L00-048
Drawn By: Author	
DATE: 06/02/21	DATE REQ:



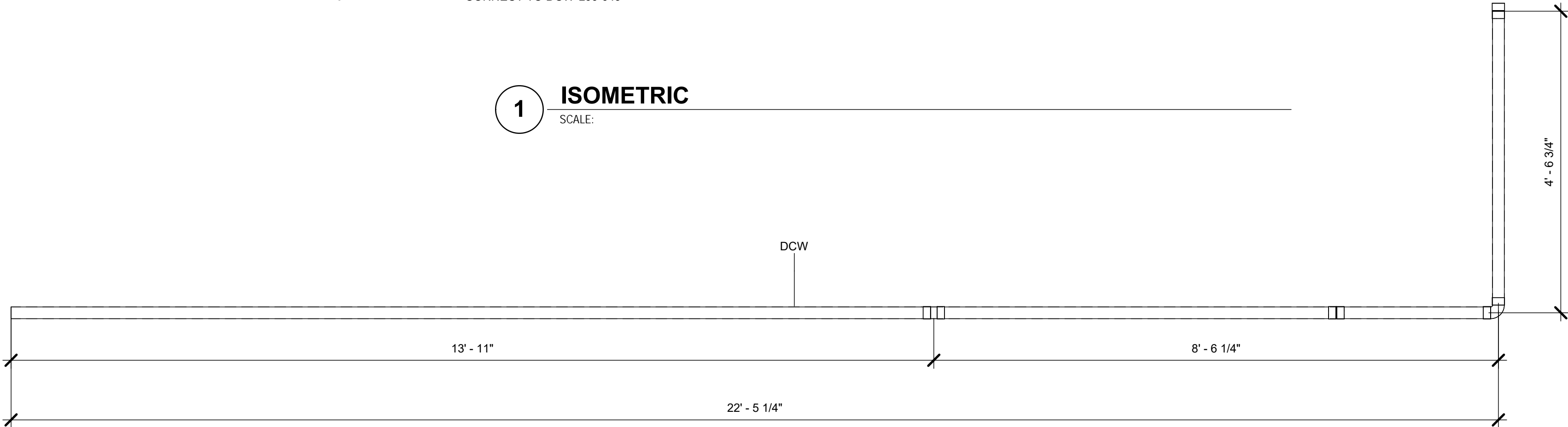
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB\_PLF.rvt  
6/4/2021 9:52:28 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	2"	Cerro Type L Hard Copper Pipe	6'-0 1/4"				1"
2	1	2"	Cerro Type L Hard Copper Pipe	4'-5 1/4"				1"
3	1	2"	Cerro Type L Hard Copper Pipe	2'-3 7/8"				1"
4	1	2"	Cerro Type L Hard Copper Pipe	13'-10 7/16"				1"
5	1	2"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1"
6	1	2"	Nibco Wrot 607 90 Deg Ell CxC					1"
7	2	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1 ISOMETRIC  
SCALE:



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

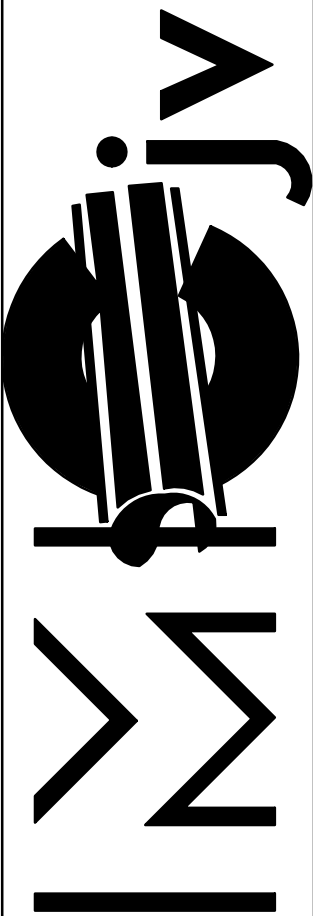
JOB: WASH U NRB

TICKET: DCW-L00-048

Drawn By: Author

DATE: 05/27/21

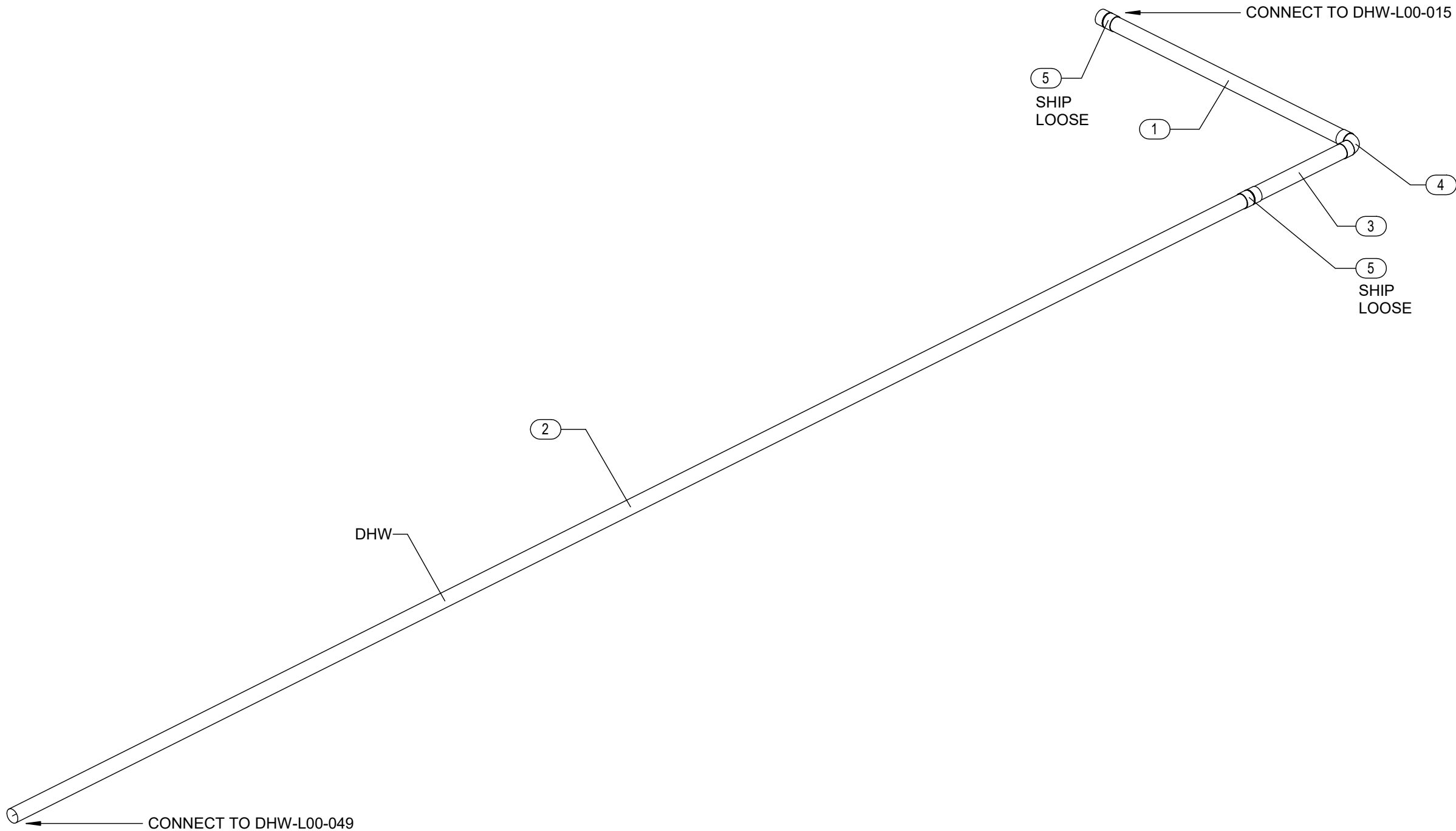
DATE REQ:



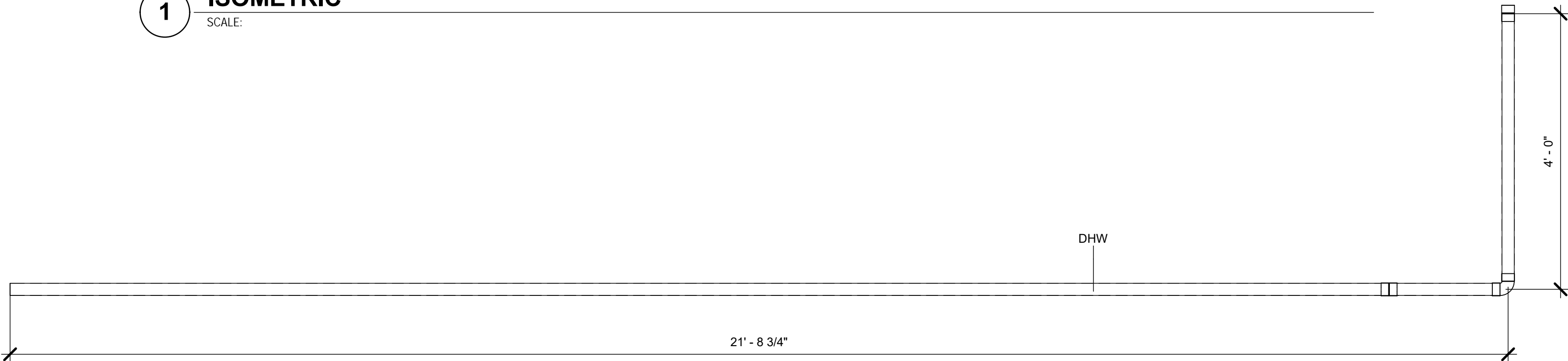
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRB/WUSM\_RB\_PLF.rvt  
6/4/2021 11:07:38 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	2"	Cerro Type L Hard Copper Pipe	3'-10 9/16"				2"
2	1	2"	Cerro Type L Hard Copper Pipe	20'-0"				2"
3	1	2"	Cerro Type L Hard Copper Pipe	1'-7 1/4"				2"
4	1	2"	Nibco Wrot 607 90 Deg Ell CxC					2"
5	2	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					2"



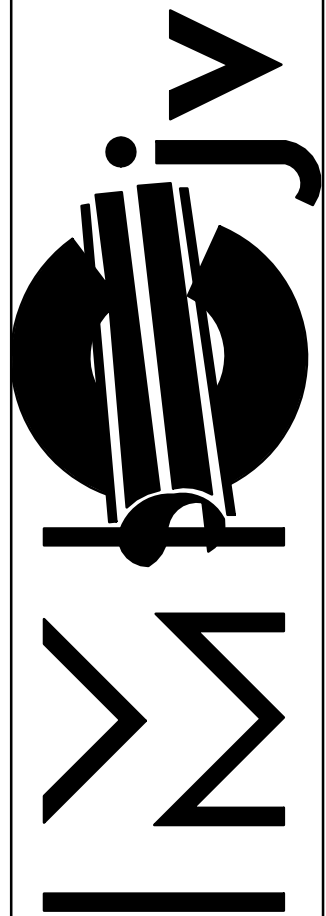
1 ISOMETRIC  
SCALE:



2 TOP VIEW  
SCALE: 3/4\"/>

A1	A3	B1	B3
A2	A4	B2	B4

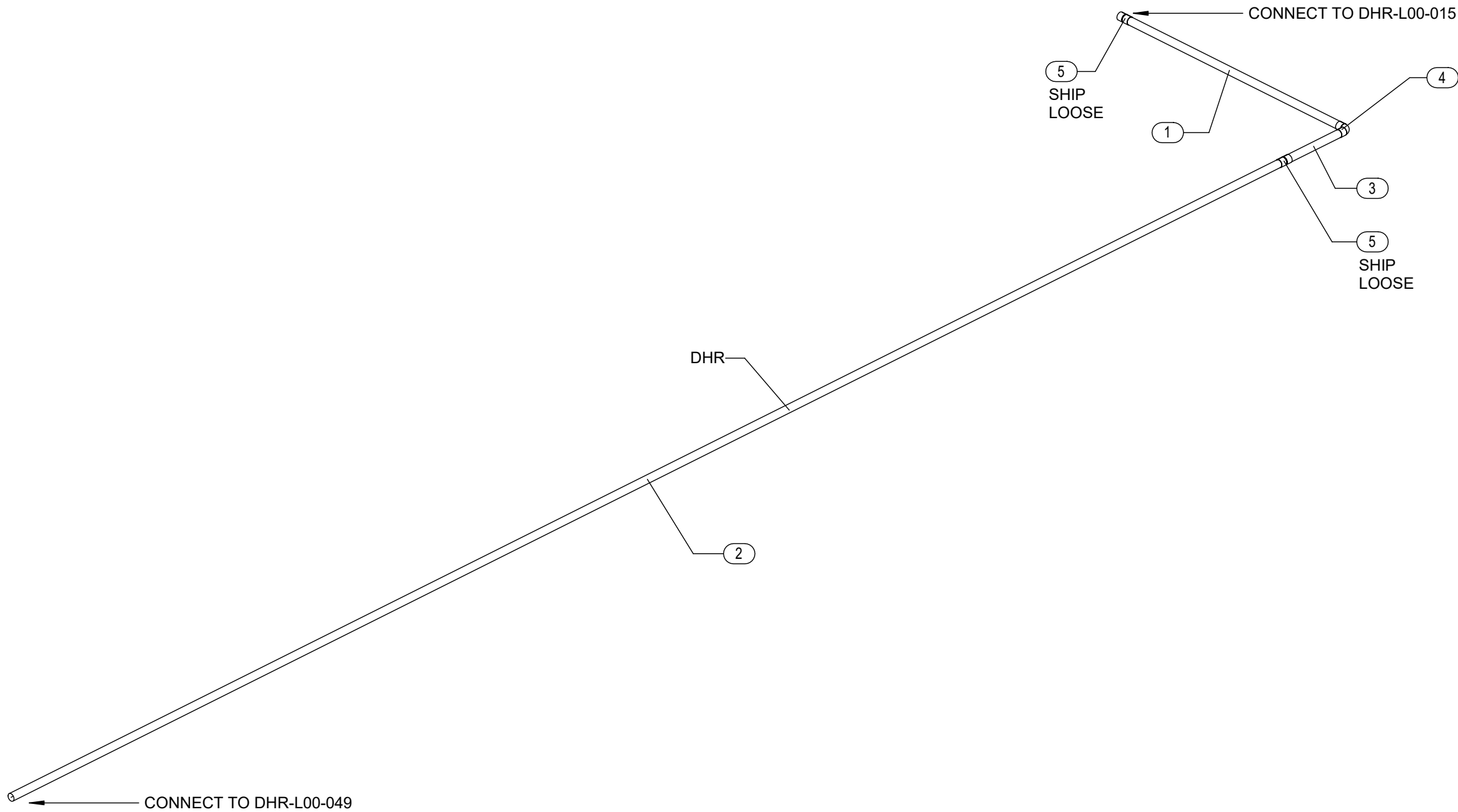
JOB: WASH U NRB  
TICKET: DHW-L00-048  
Drawn By: Author  
DATE: 05/27/21  
DATE REQ:



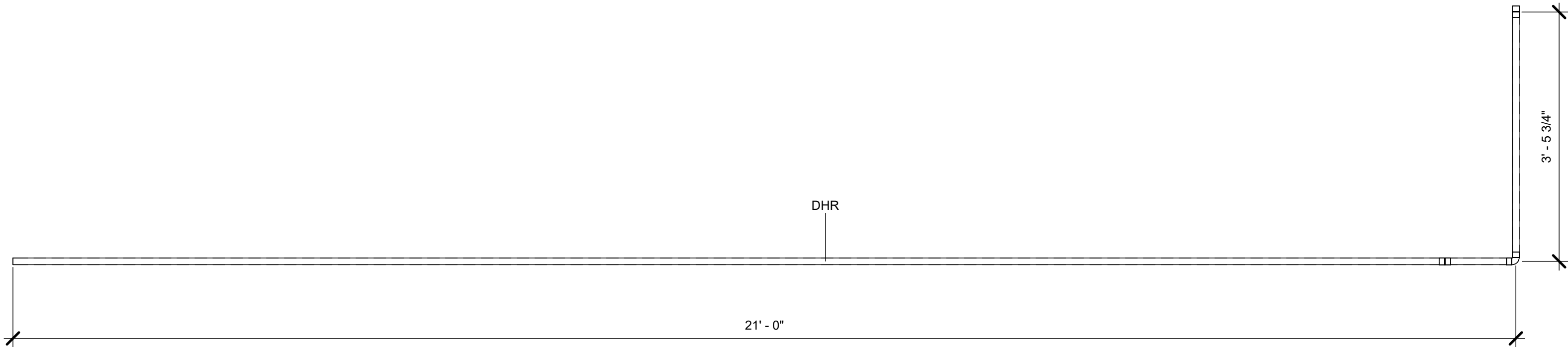
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRB/WUSM\_RB\_PLF.rvt  
6/4/2021 10:55:59 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	1"	Cerro Type L Hard Copper Pipe	3'-5 1/8"				1"
2	1	1"	Cerro Type L Hard Copper Pipe	20'-0"				1"
3	1	1"	Cerro Type L Hard Copper Pipe	0'-11 1/8"				1"
4	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
5	2	1"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1 ISOMETRIC  
SCALE:



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

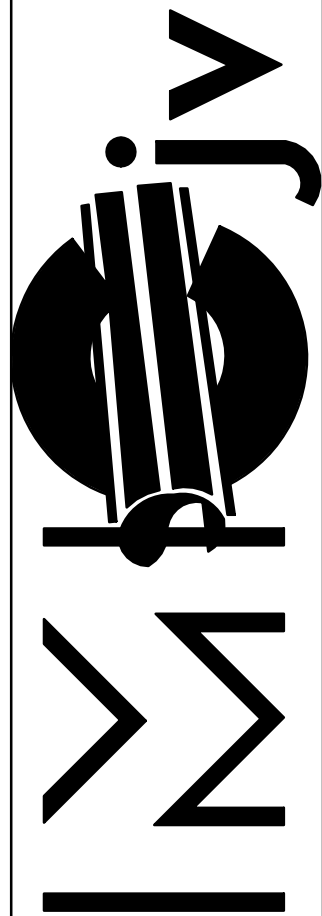
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: DHR-L00-048

Drawn By: Author

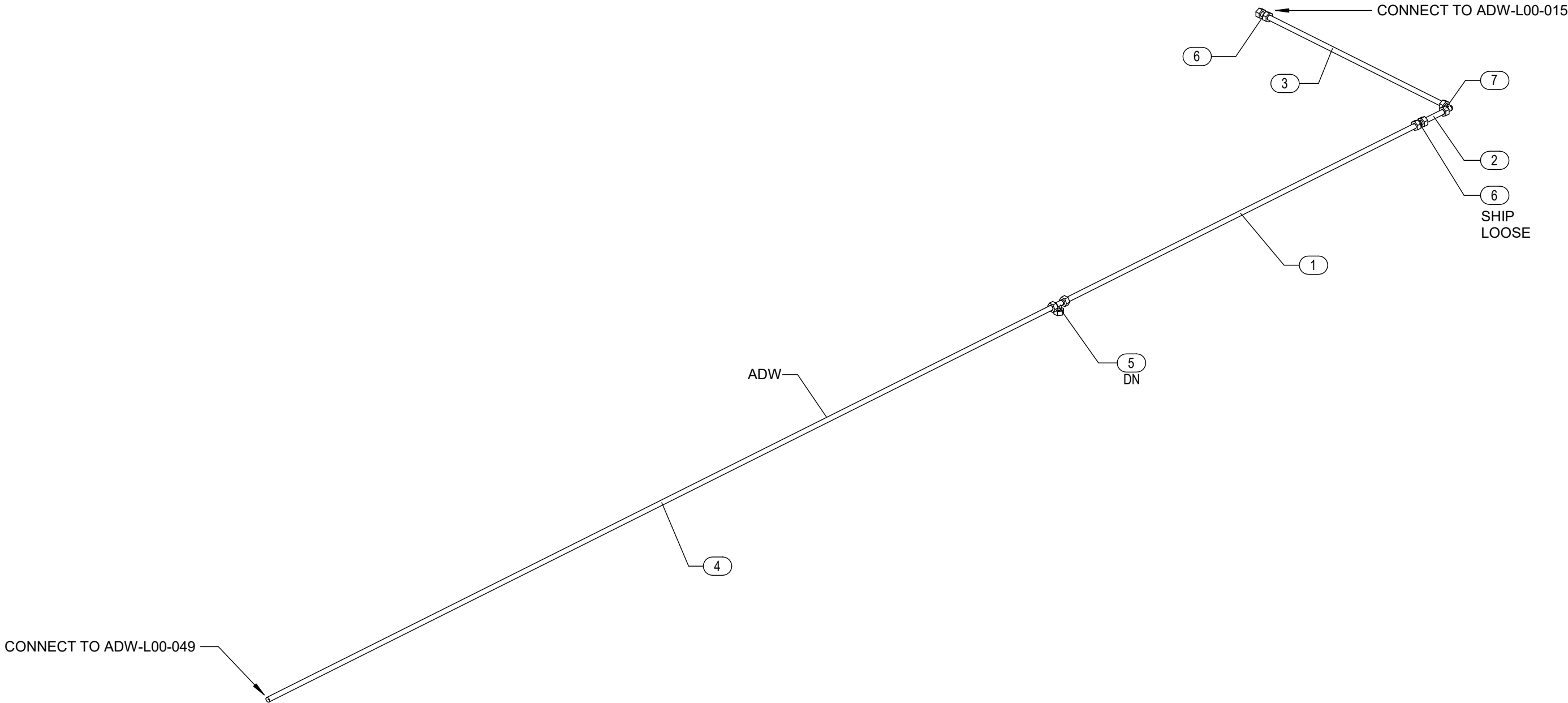
DATE: 05/27/21 DATE REQ:



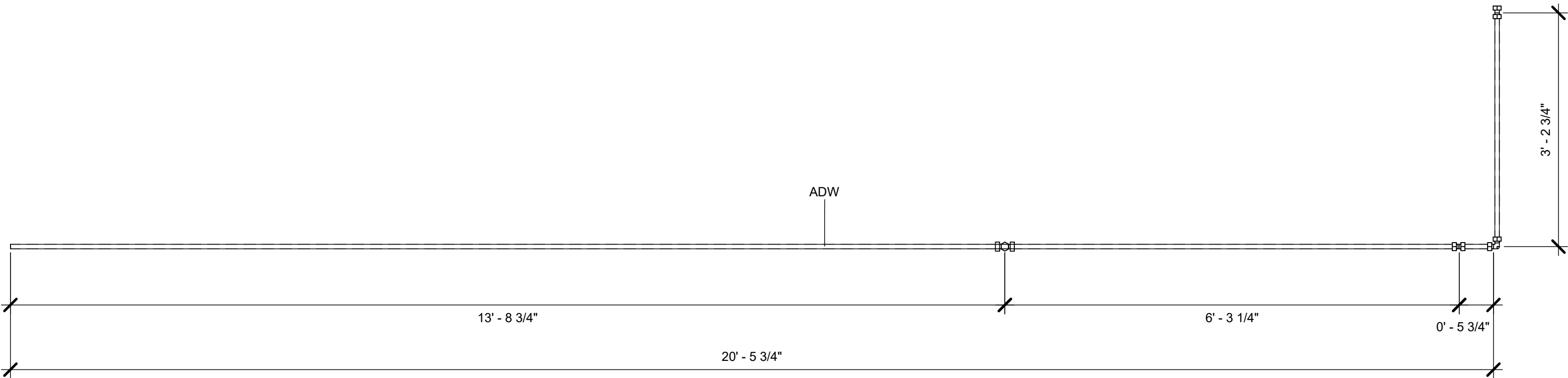
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB\_PLF.rvt  
6/4/2021 9:43:41 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	6'-2 1/2"				
2	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	0'-5 11/16"				
3	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	3'-2 1/8"				
4	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	13'-8 1/4"				
5	1	3/4"	Swagelok SS316 Compression Union Tee					
6	2	3/4"	Swagelok SS316 Compression Union Coupling					
7	1	3/4"	Swagelok SS316 Compression Union 90 Elbow					



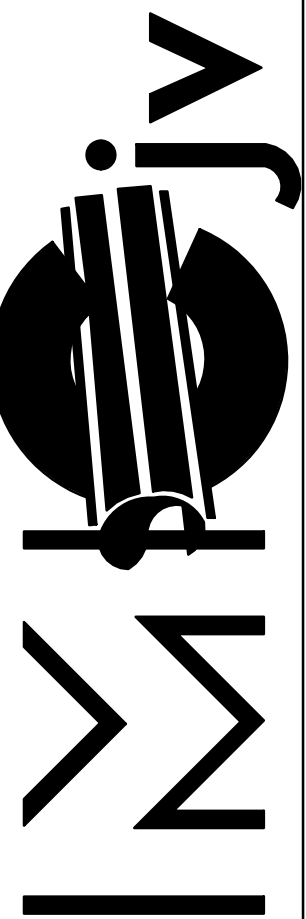
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

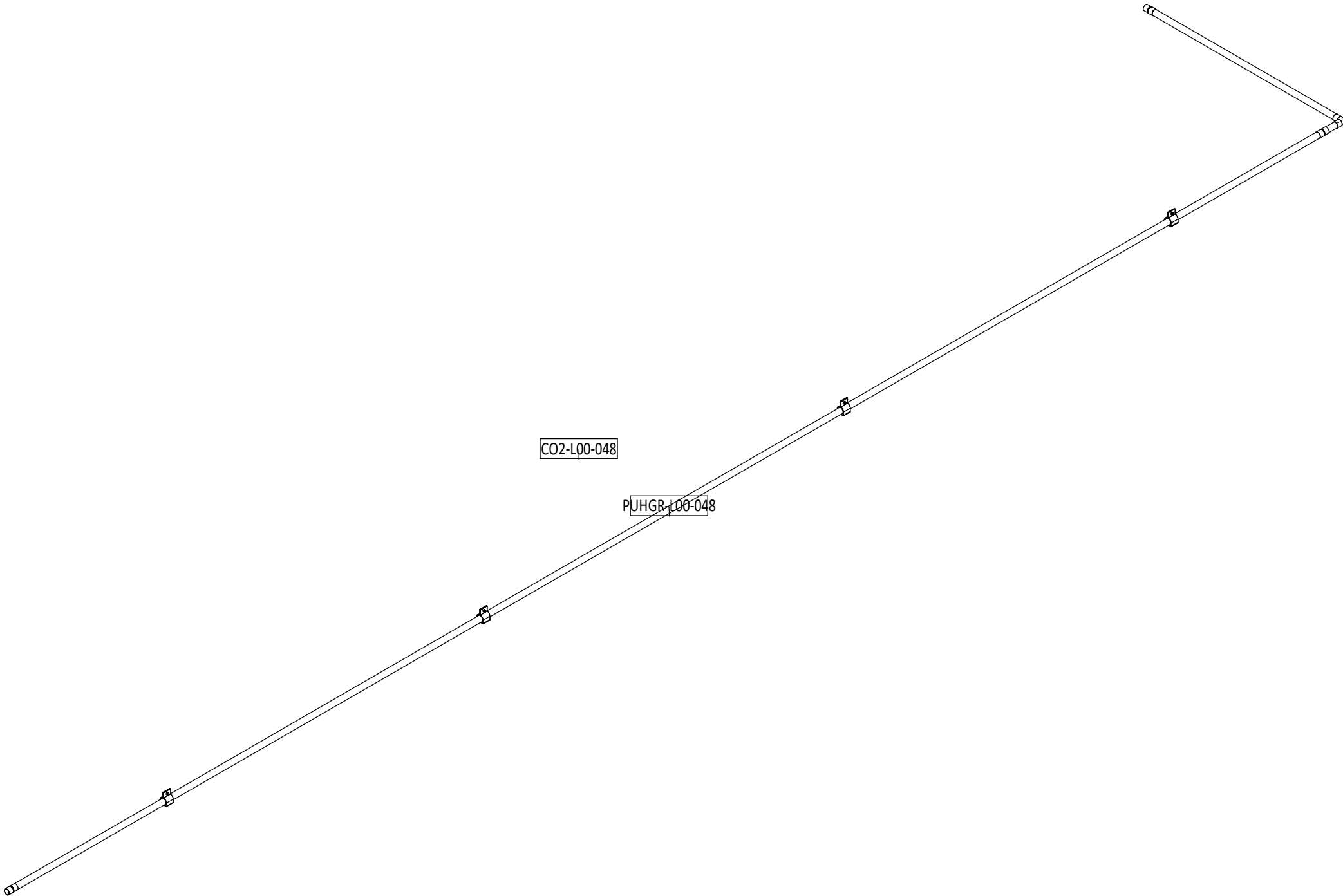
JOB:	WASH U NRB
TICKET:	ADW-L00-048
Drawn By: Author	
DATE: 05/27/21	DATE REQ:



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

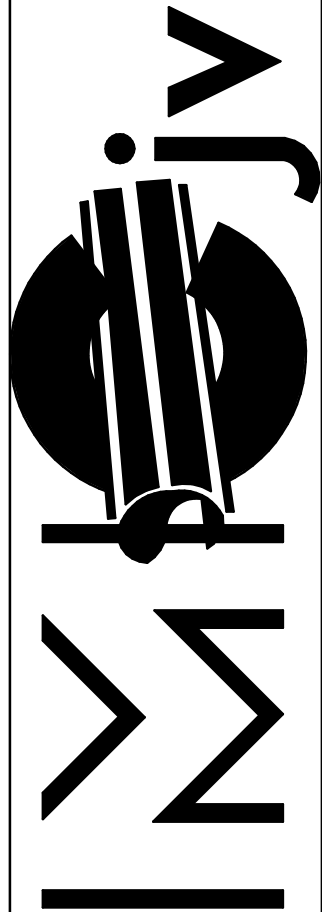
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6/3/2021 5:18:22 PM

1 **PU-L00-048**  
SCALE:



A1	A3	B1	B3
A2	A4	B2	B4

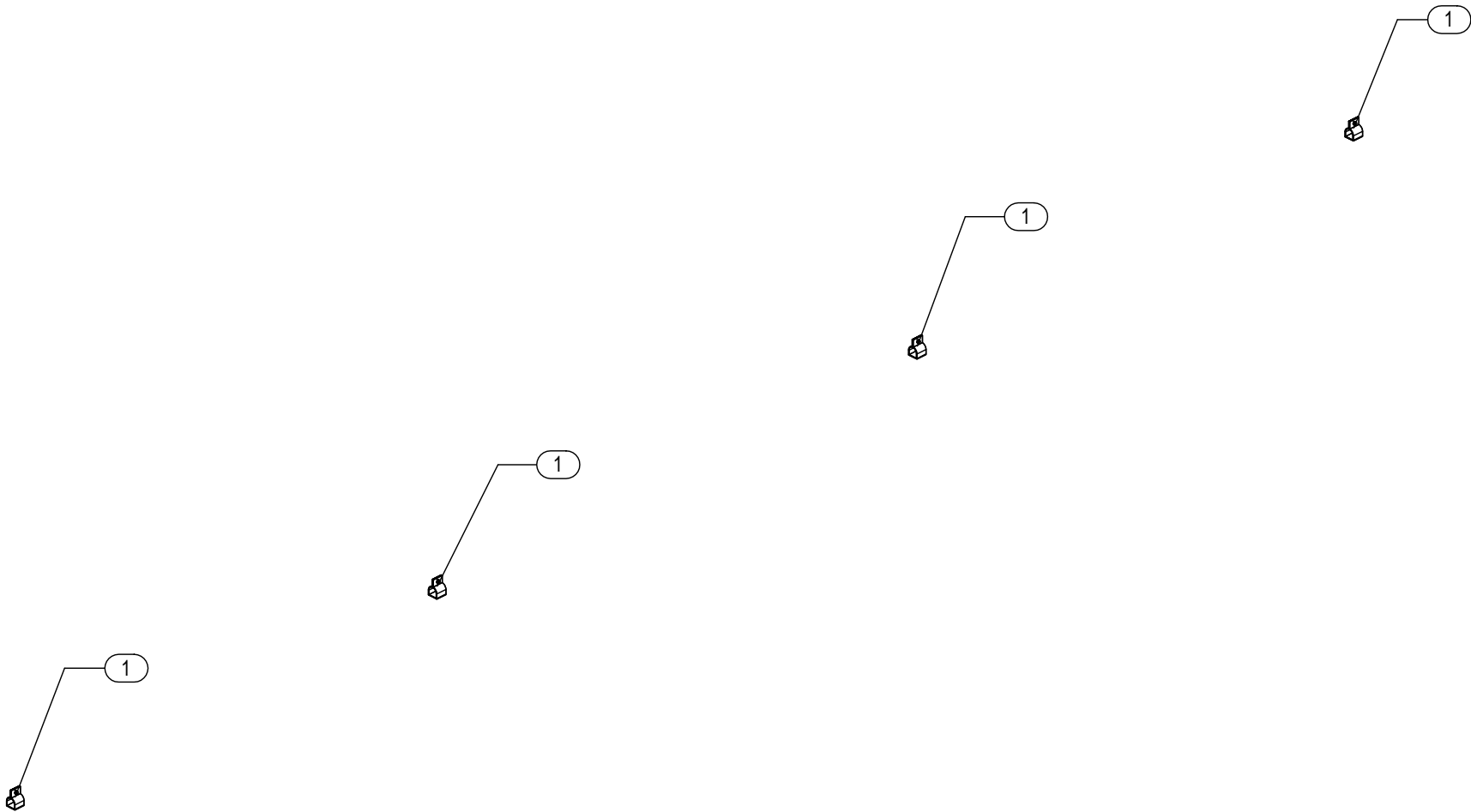
JOB: WASH U NRB	
TICKET:	
Drawn By: Author	
DATE: 06/03/21	DATE REQ:



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

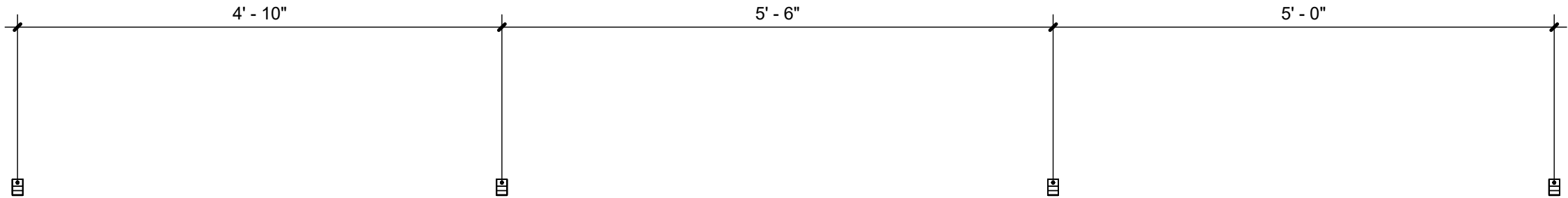
BIM 360/WUSM NRBWUSM\_RB\_PUF.rvt  
6/2/2021 9:46:10 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	4	0.63"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					



1 ISOMETRIC

SCALE:

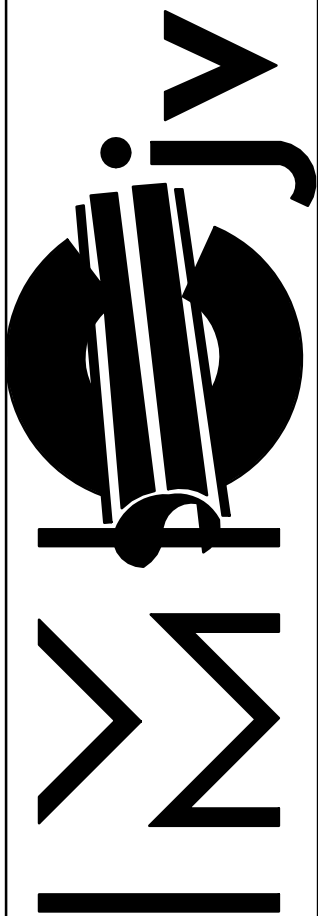


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

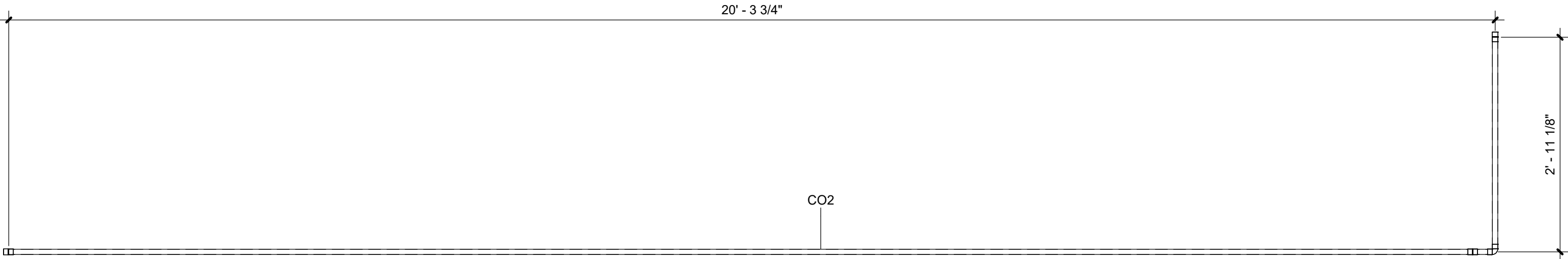
JOB:	WASH U NRB
TICKET:	PUHGR-L00-048
Drawn By: Author	
DATE: 06/01/21	DATE REQ:



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BIM 360/WUSM NRBWUSM\_RB\_PUF.rvt  
6/3/2021 4:40:29 PM

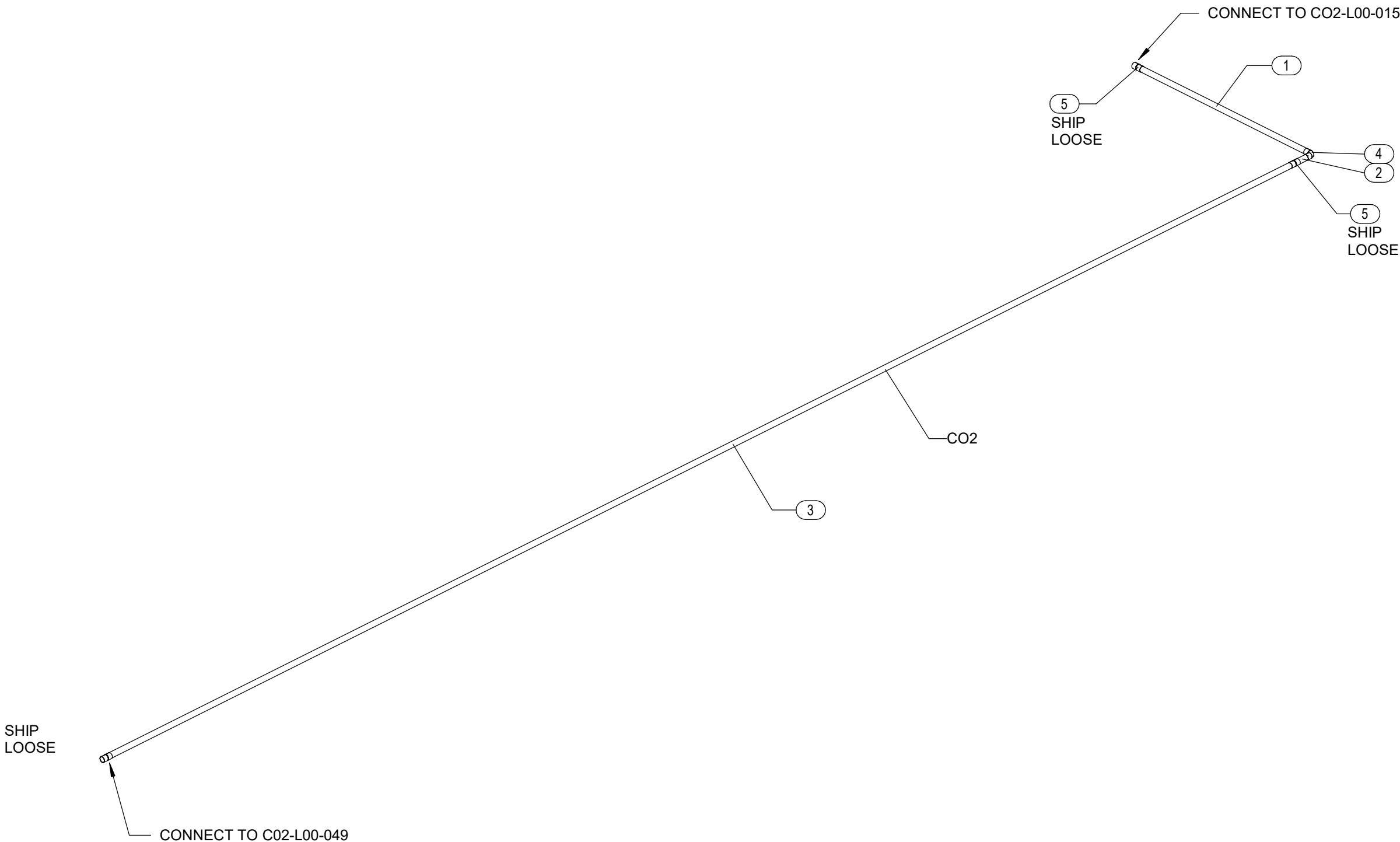
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
1	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-10 5/8"				
2	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-3 1/8"				
3	1	3/4"	Cerro Type L Hard Copper - CFOS	20'-0"				
4	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
5	3	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



2

TOP VIEW

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



1

ISOMETRIC

SCALE:

A1	A3	B1	B3
A2	A4	B2	B4

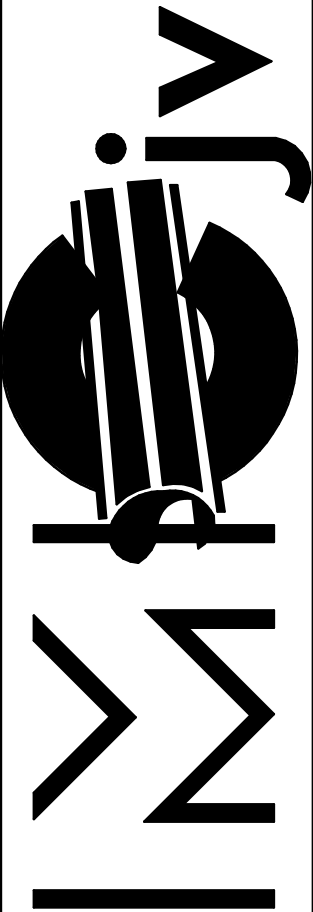
JOB: WASH U NRB

TICKET: CO2-L00-048

Drawn By: Author

DATE: 06/01/21

DATE REQ:



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