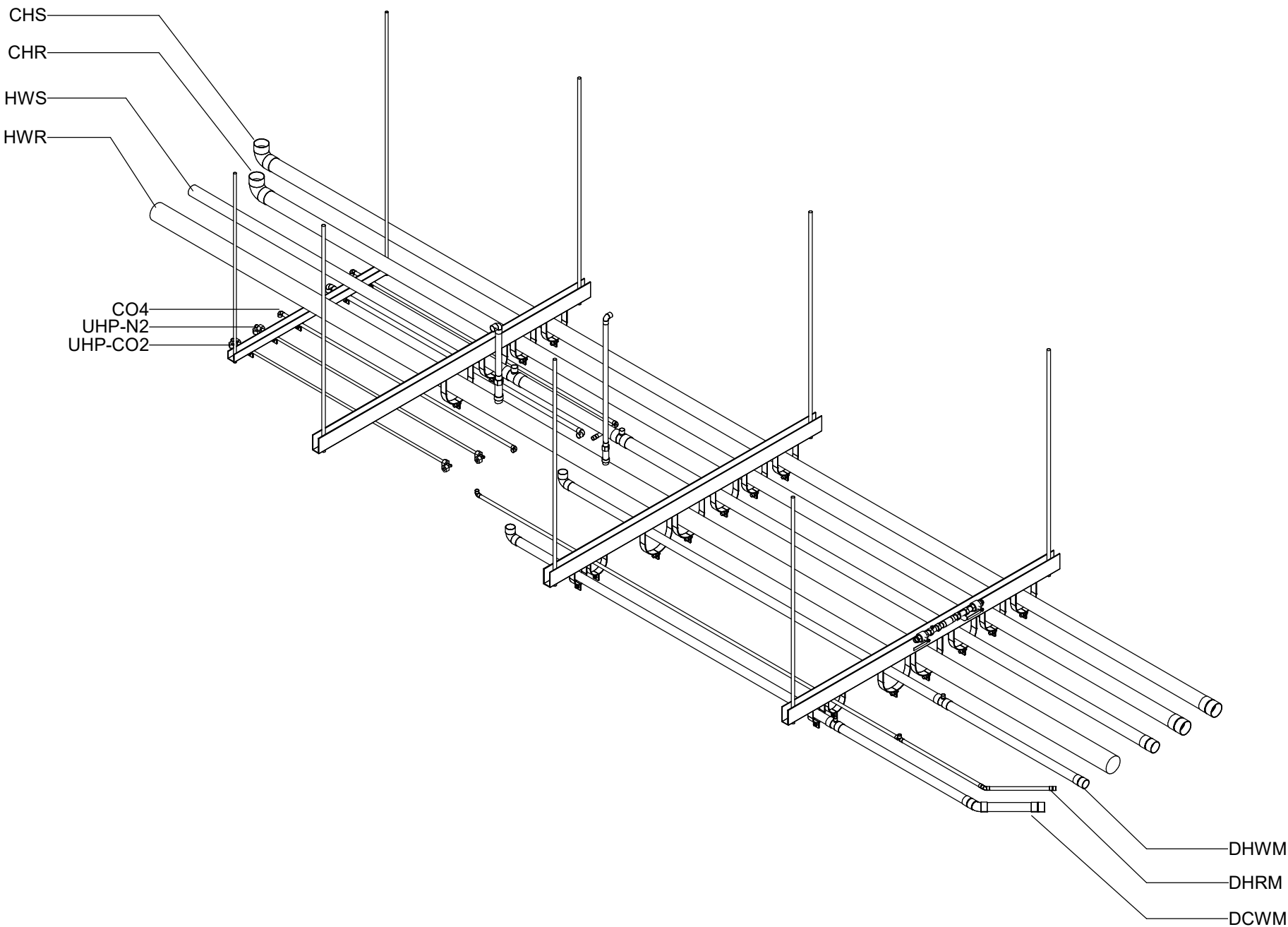
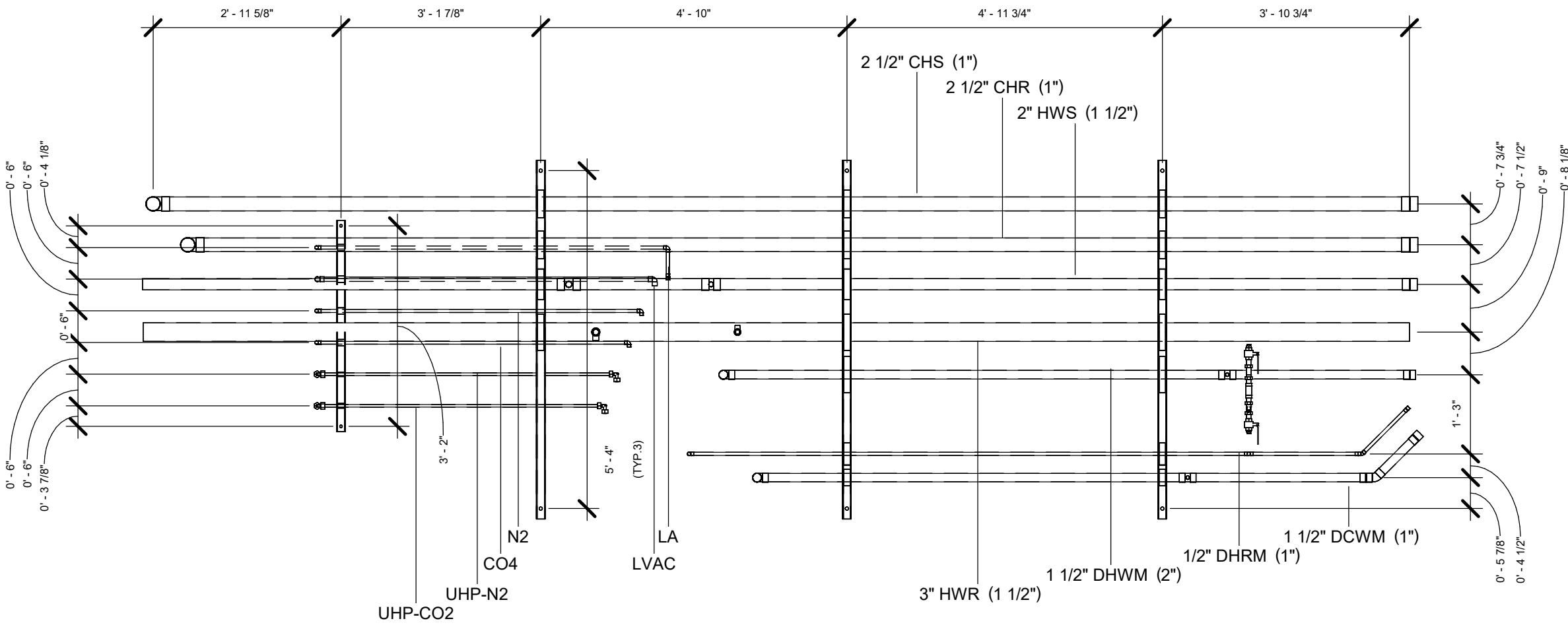


BIM 360//WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
9/22/2021 9:29:33 AM



2 AS-L03-021 - ISOMETRIC
AS-L03-021 SCALE:



1 AS-L03-021
AS-L03-021 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4



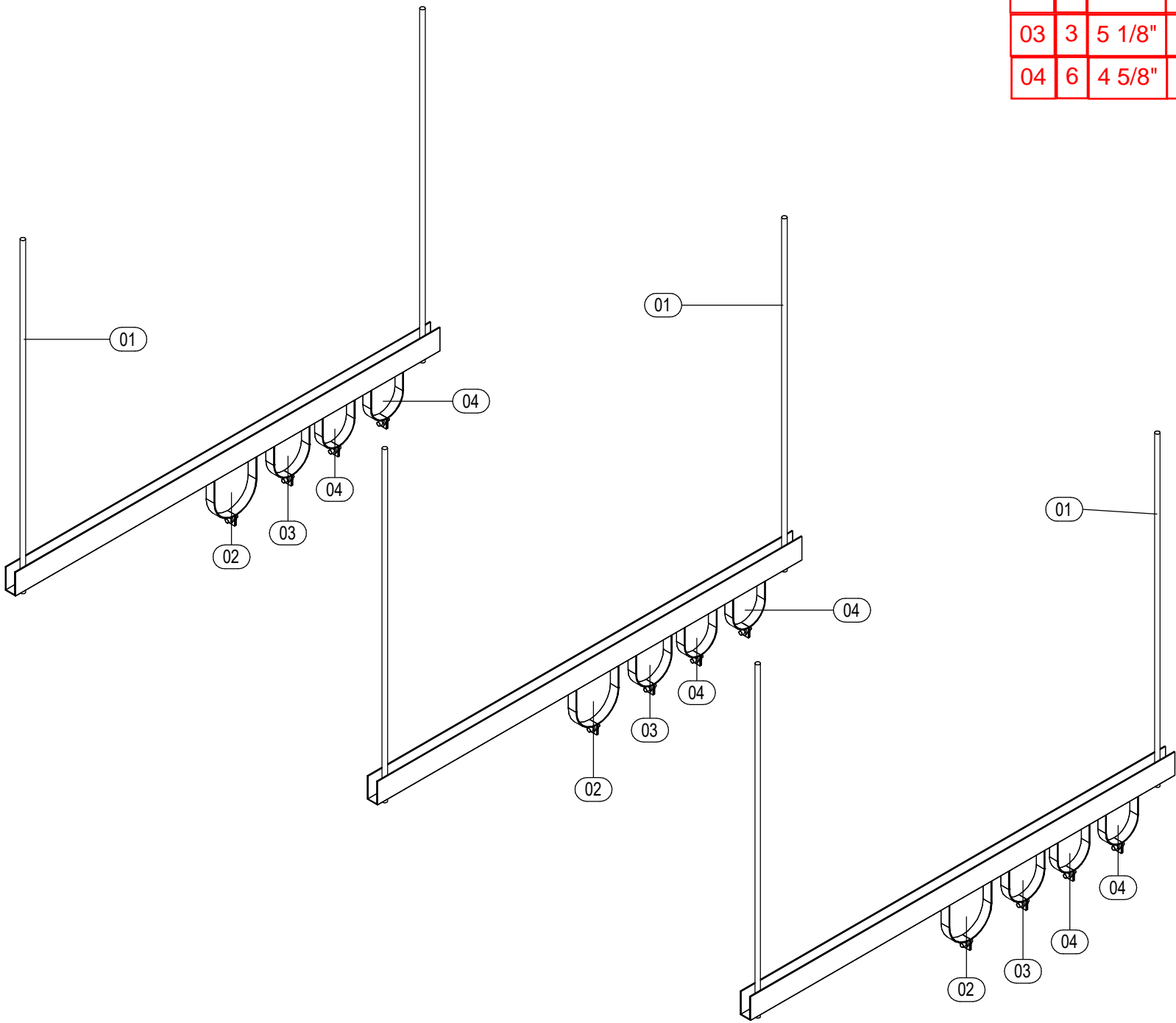
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

JOB:	WASH U NRB
TICKET:	AS-L03-021
Drawn By: Author	
DATE: 08/09/21	DATE REQ:

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8/20/2021 12:11:38 PM

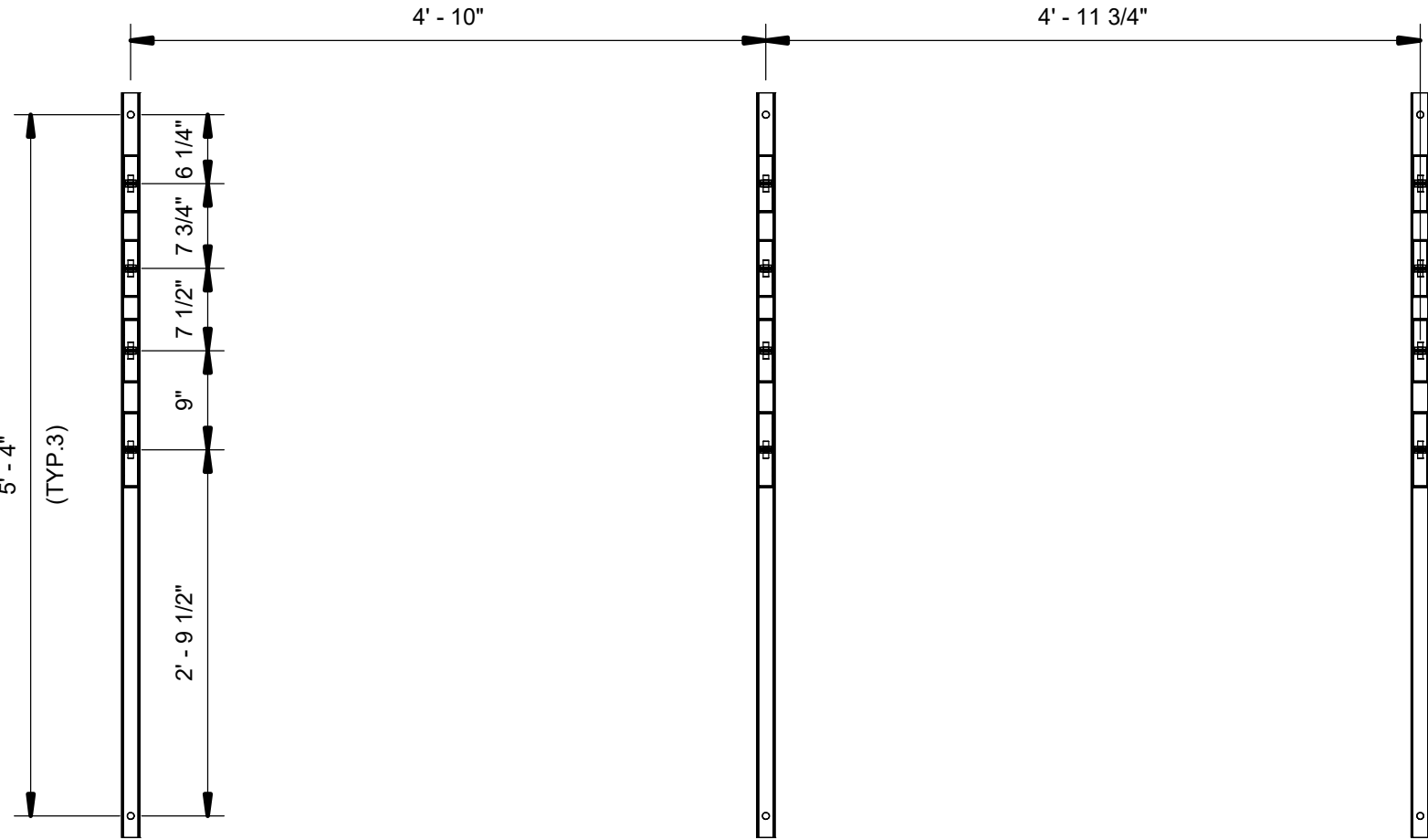
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	3	62"	B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut		5' - 8"	4' - 1"	4' - 1"	
02	3	6"	B-Line D2000 ZN Schl 40 Pipe Clamp		0"	0"	0"	
03	3	5"	B-Line D2000 ZN Schl 40 Pipe Clamp		0"	0"	0"	
04	6	4 5/8"	B-Line D2000 ZN Schl 40 Pipe Clamp		0"	0"	0"	

02	3	6 1/8"	B-LINE #2110
03	3	5 1/8"	B-LINE #2062
04	6	4 5/8"	B-LINE #2058



1 ISOMETRIC

SCALE:



2 TOP VIEW

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

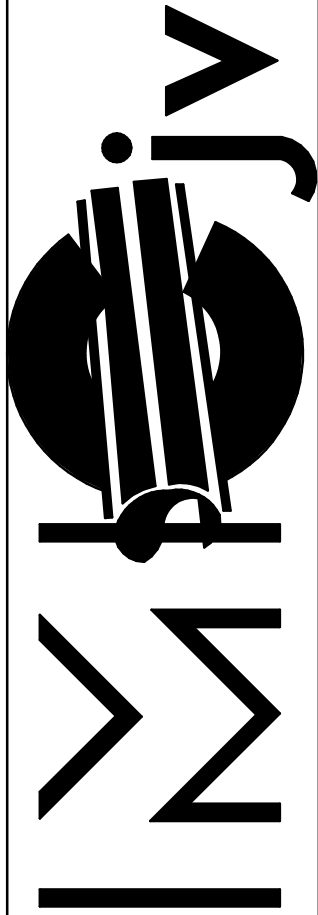
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: HPHGR-L03-021

Drawn By: Author

DATE REQ: 08/11/21

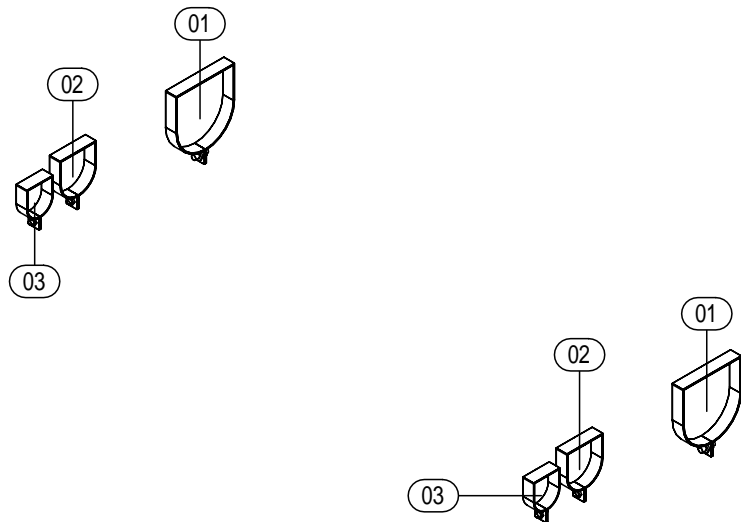


1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

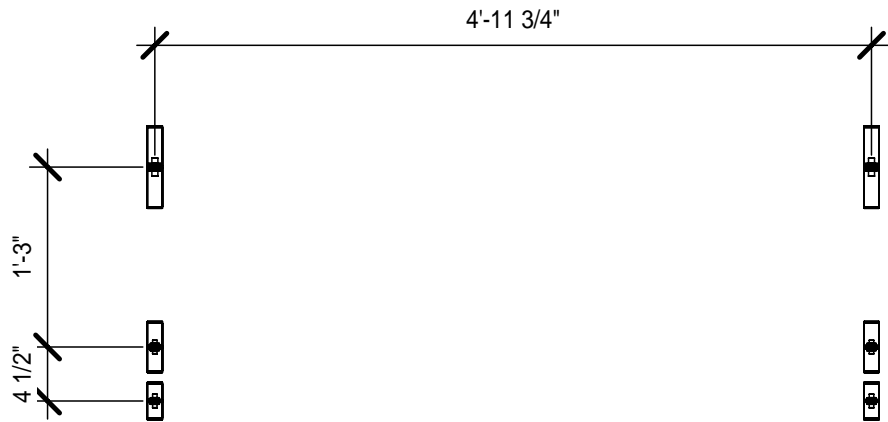
BIM 360://WUSM NRBWUSM_RB_PLF.rvt
12-08-2021 11:07:41

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	2	6"	B-Line B2000 ZN Sch 40 Pipe Clamp					
02	2	2.5"	B-Line B2000 ZN Sch 40 Pipe Clamp					
03	2	2.5"	B-Line B2000 ZN Sch 40 Pipe Clamp					

01	2	5 5/8"	B-LINE #2066
02	2	2 5/8"	B-LINE #2042
03	2	3 5/8"	B-LINE #2050



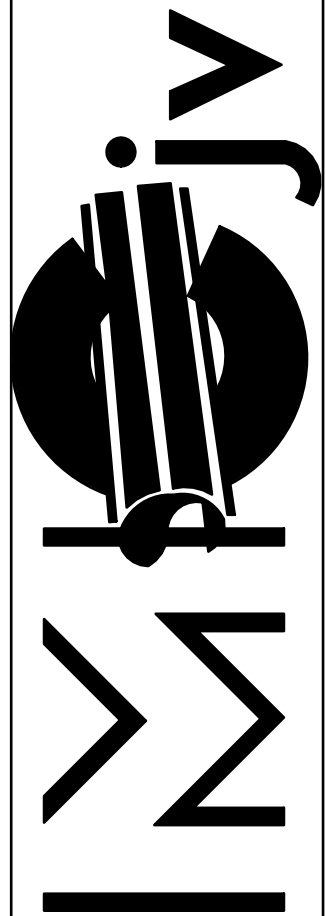
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

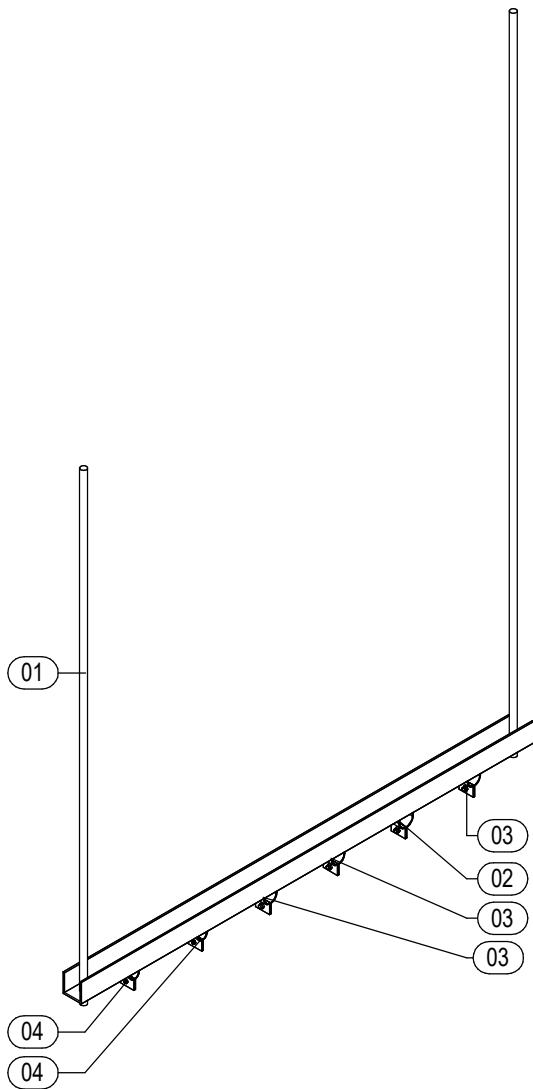
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TICKET:	PPHGR-L03-021
Drawn By: Author	
DATE: 08/12/21	DATE REQ:



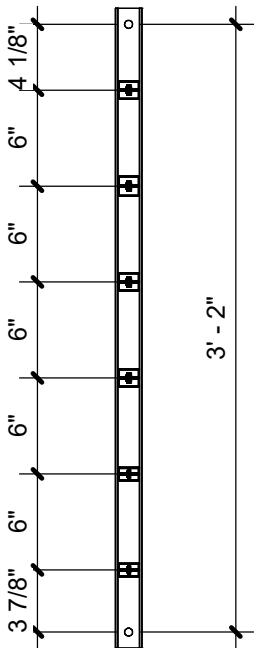
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_PUF.rvt
8/20/2021 8:40:17 AM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	36"	B-Line 1-5/8 GRN 12GA 2in Slotted Unistrut		3' - 4"	4' - 9"	3' - 5"	
02	1	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"	0"	0"	
03	3	0.63"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"	0"	0"	
04	2	0.5"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"	0"	0"	



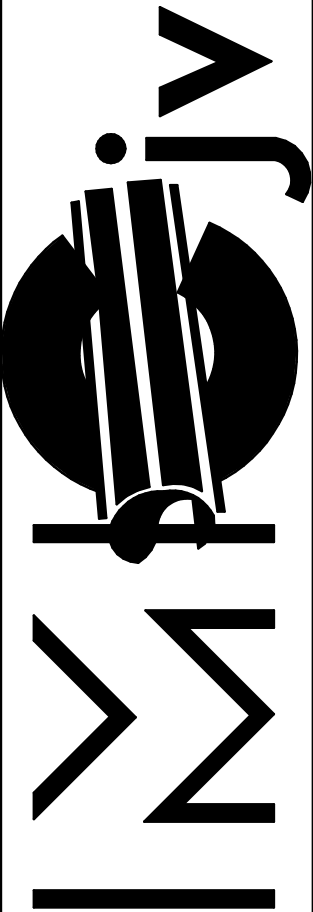
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

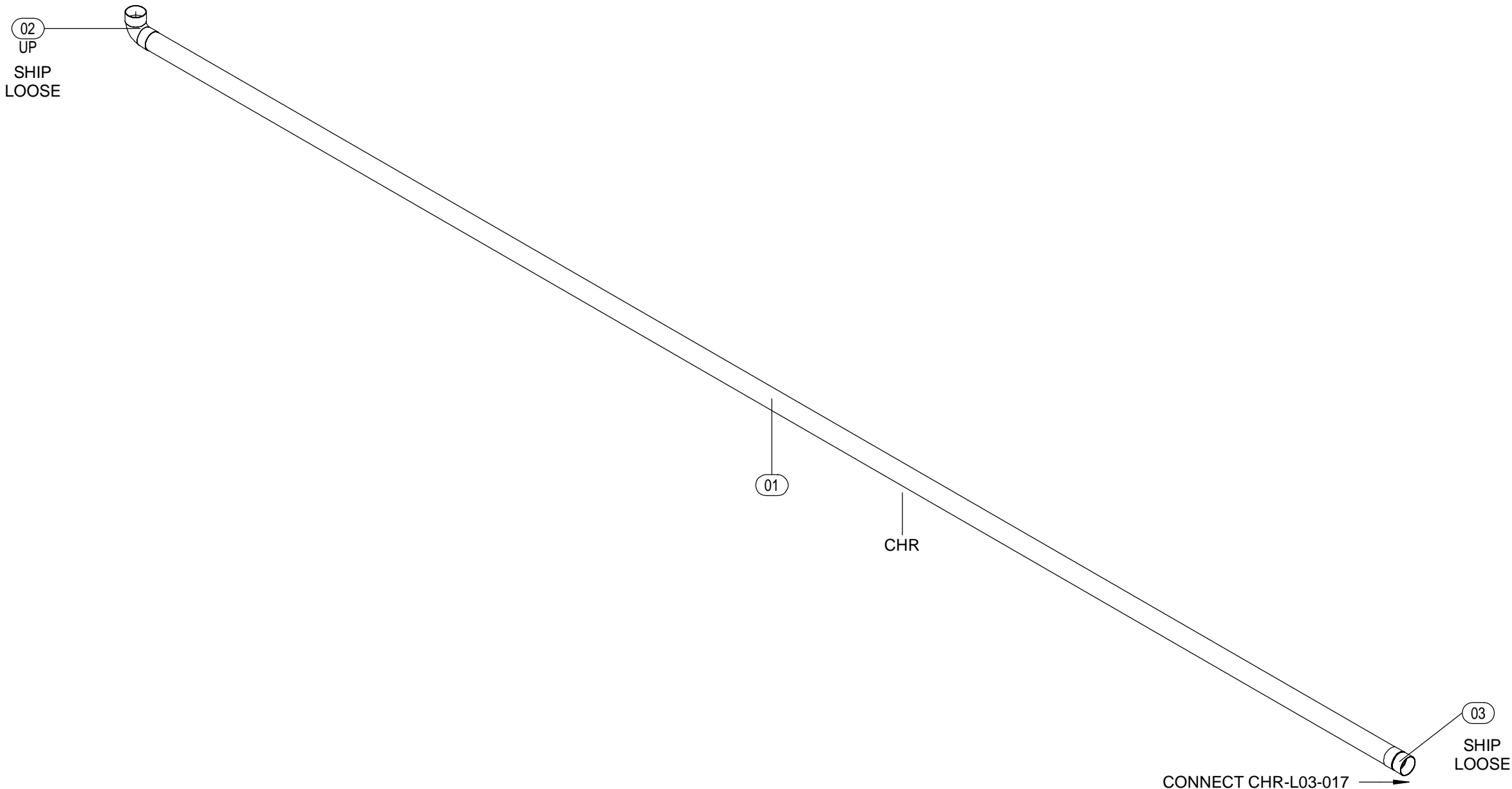
JOB:	WASH U NRB
TICKET:	PUHGR-L03-021
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



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

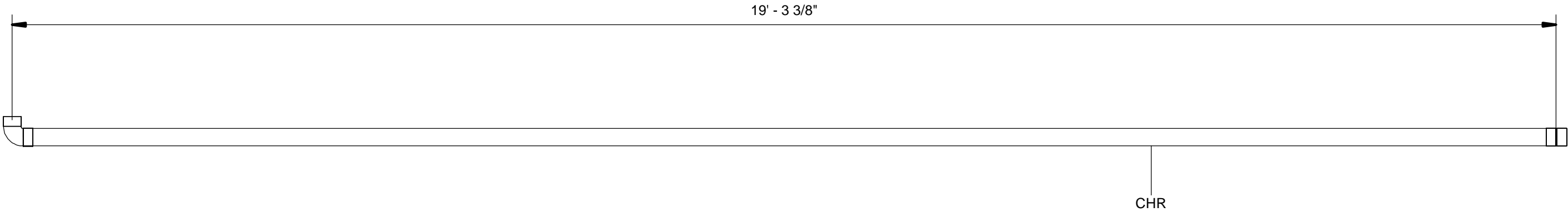
BIM 360://WUSM NRBWUSM_RB_HPF.rvt
03-08-2021 16:53:24

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2 1/2"	Cerro Type K Hard Copper Pipe	19'-1 13/16"				1"
02	1	2 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
03	1	2 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1 ISOMETRIC

SCALE:

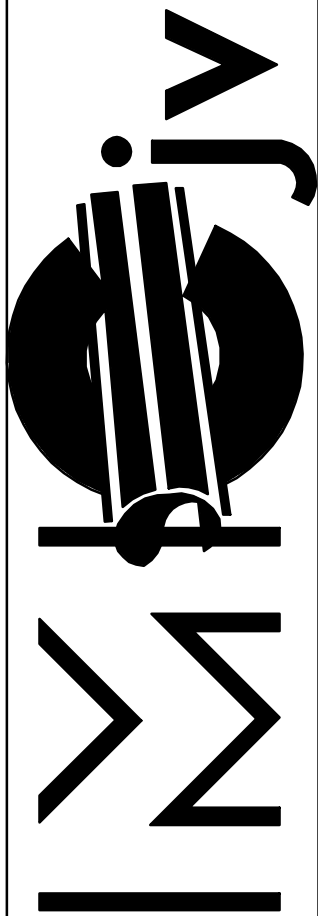


2 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

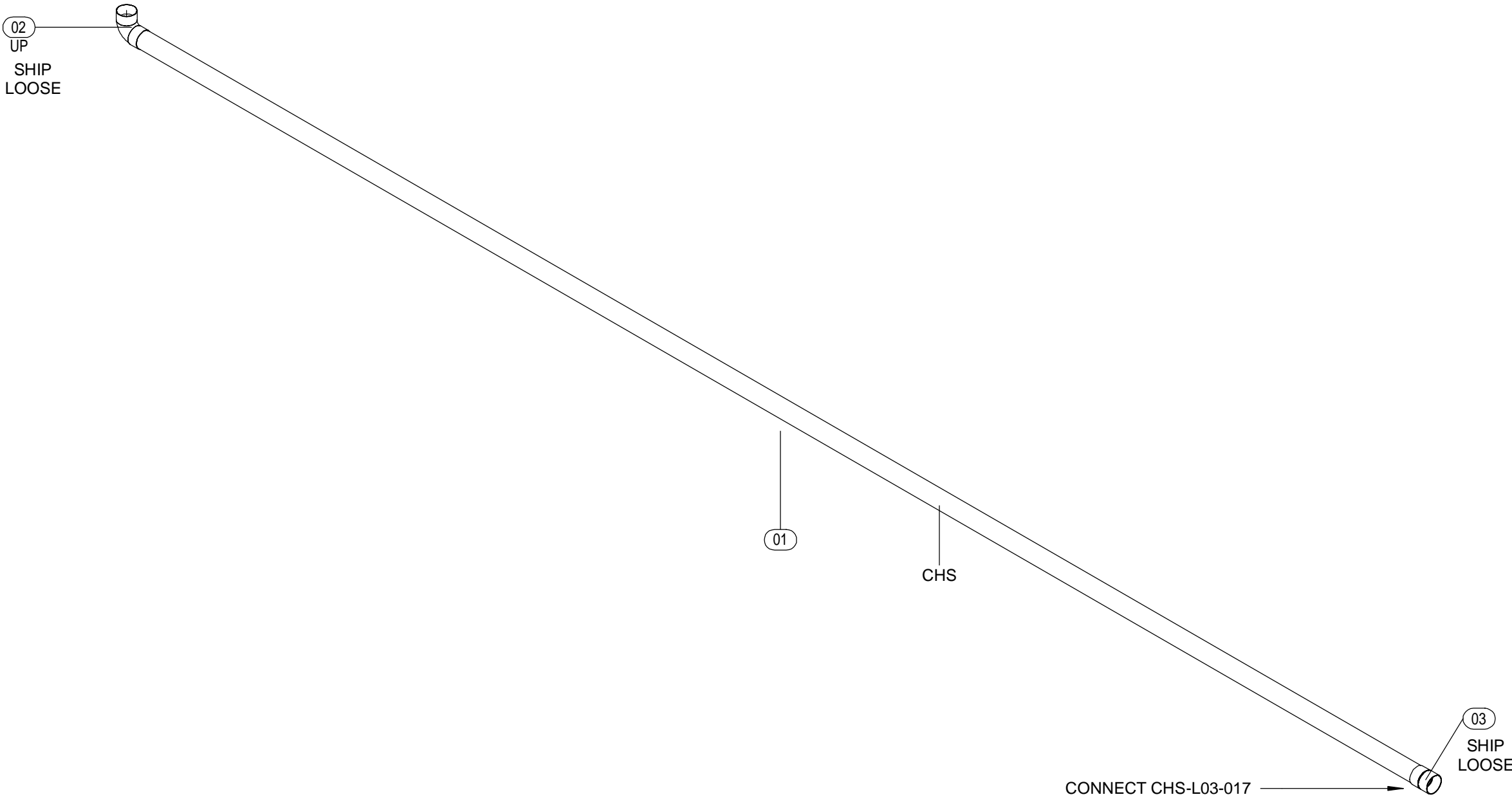
JOB: WASH U NRB
TICKET: CHR-L03-021
Drawn By: Author
DATE: 08/03/21
DATE REQ:



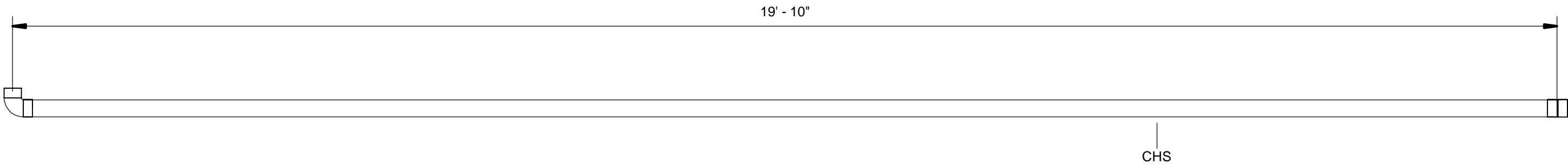
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_HPF.rvt
03-08-2021 16:43:12

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2 1/2"	Cerro Type K Hard Copper Pipe	19'-8 3/8"				1"
02	1	2 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
03	1	2 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



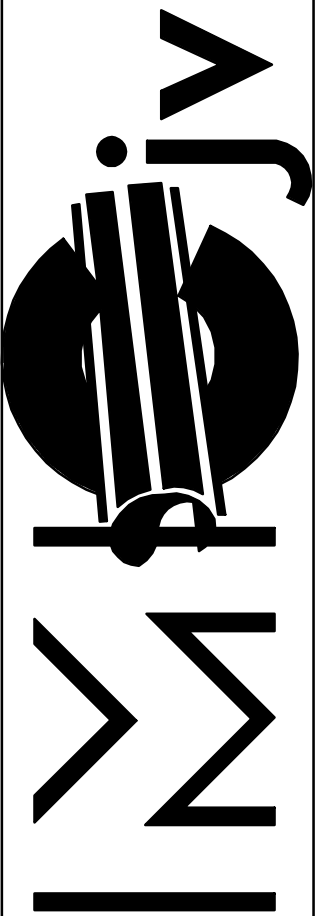
1 ISOMETRIC
SCALE:



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

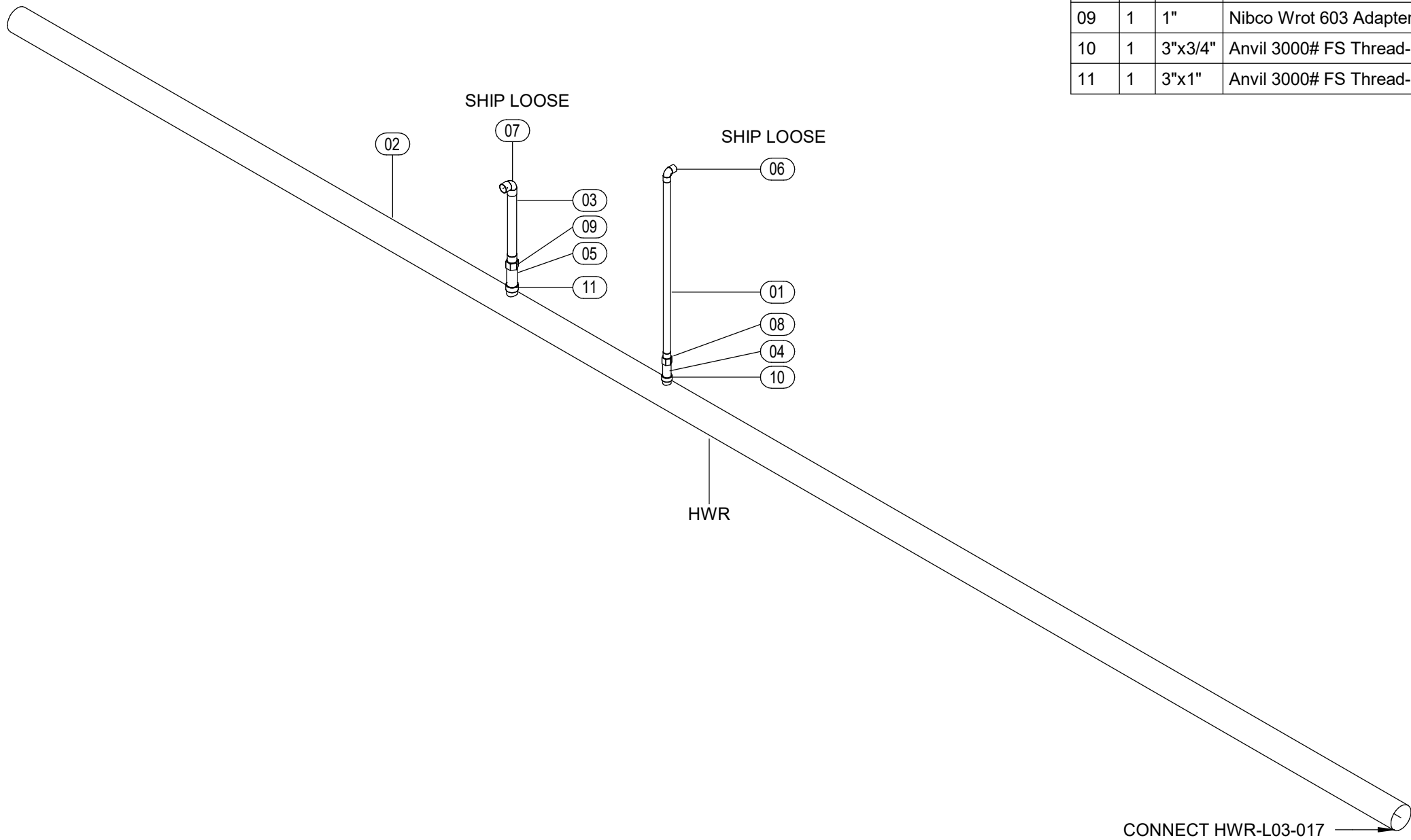
A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	CHS-L03-021
Drawn By: Author	
DATE: 08/03/21	DATE REQ:



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

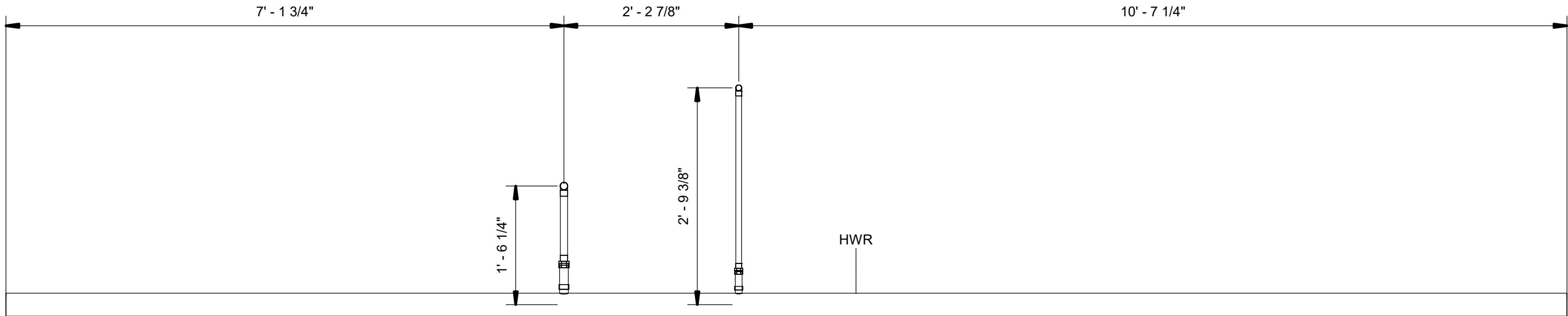
BIM 360://WUSM NRBWUSM_RB_HPF.rvt
9/22/2021 8:54:08 AM



Mark	Qty	Size	Description	Length	Strut Length	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type K Hard Copper Pipe	2'-3 1/4"				1"
02	1	3"	Chicago Area Sch 40 SA-53B CS ERW Pipe PE	19'-11 7/8"				1 1/2"
03	1	1"	Cerro Type K Hard Copper Pipe	0'-10 15/16"				1"
04	1	3/4"	Victaulic No.647 TT Dielectric Transition Fitting					1"
05	1	1"	Victaulic No.647 TT Dielectric Transition Fitting					1"
06	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
07	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
08	1	3/4"	Nibco Wrot 603 Adapter CxF					1"
09	1	1"	Nibco Wrot 603 Adapter CxF					1"
10	1	3"x3/4"	Anvil 3000# FS Thread-O-Let					1"
11	1	3"x1"	Anvil 3000# FS Thread-O-Let					1"

1 ISOMETRIC

SCALE:



2 FRONT ELEVATION

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

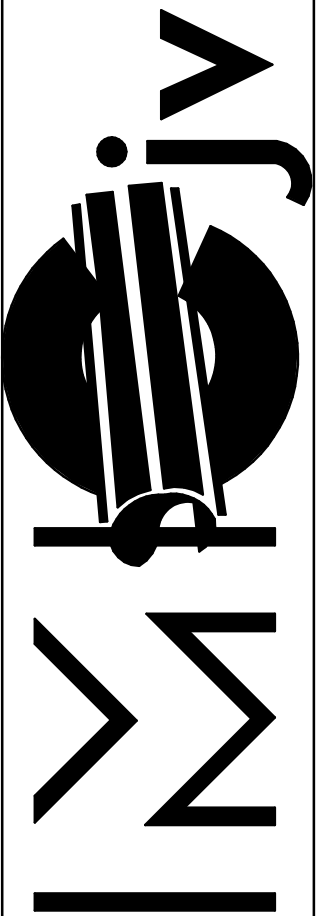
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: HWR-L03-021

Drawn By: Author

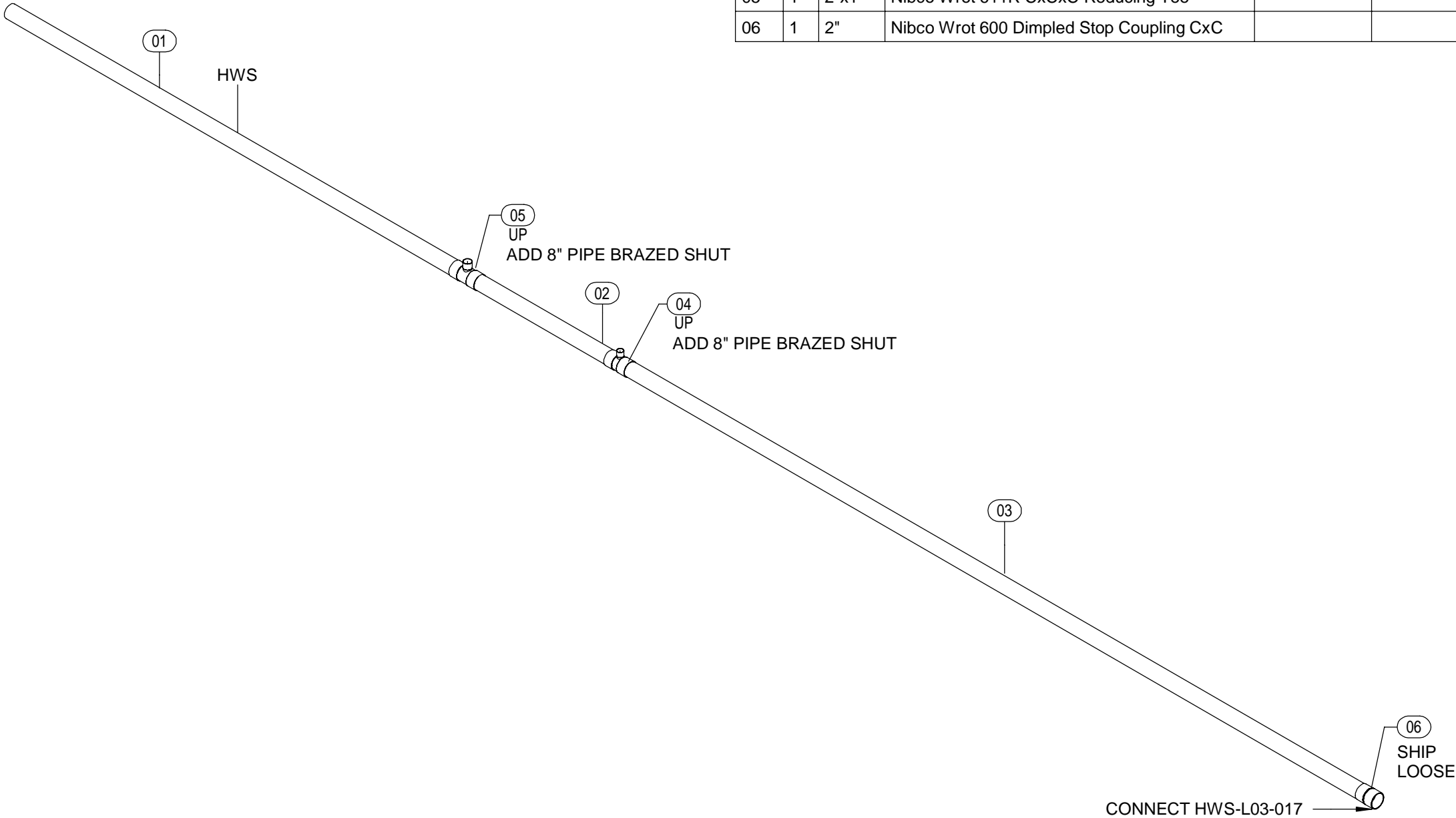
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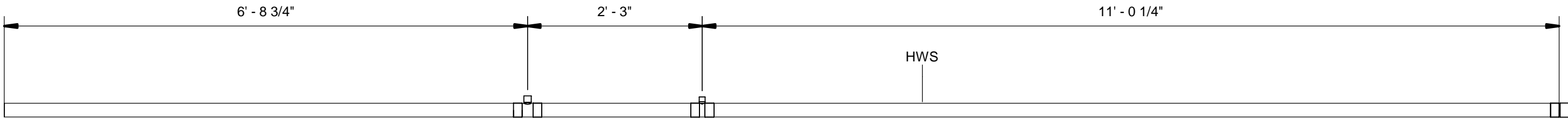
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_HPF.rvt
03-08-2021 18:22:11

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	6'-7 15/16"				1 1/2"
02	1	2"	Cerro Type K Hard Copper Pipe	2'-1 11/16"				1 1/2"
03	1	2"	Cerro Type K Hard Copper Pipe	10'-11 13/16"				1 1/2"
04	1	2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
05	1	2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
06	1	2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



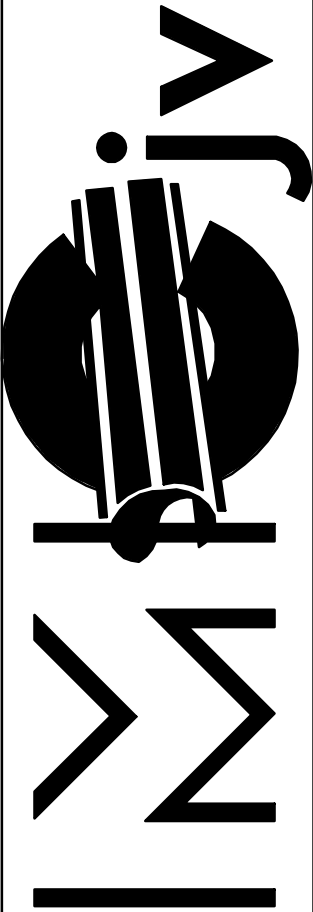
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

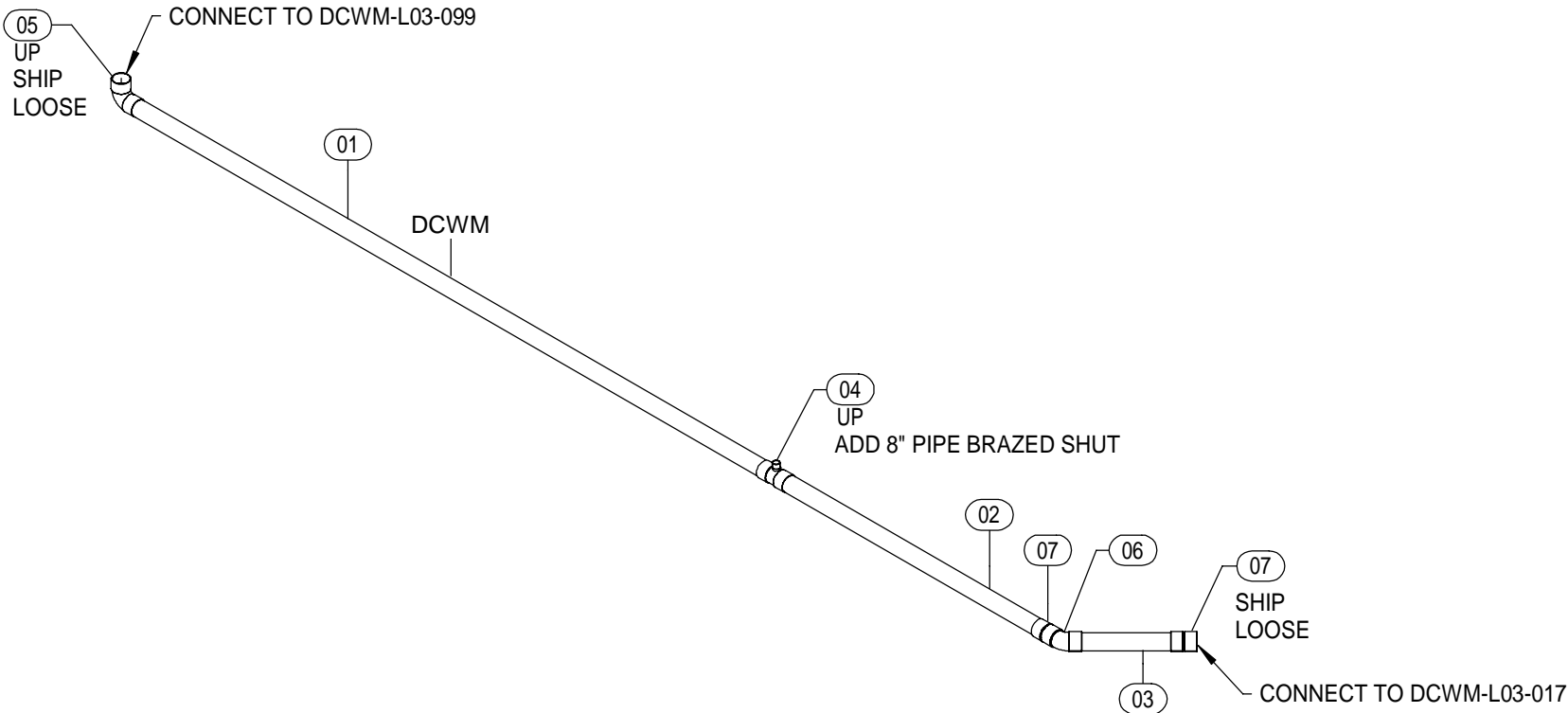
JOB: WASH U NRB
TICKET: HWS-L03-021
Drawn By: Author
DATE: 08/03/21 DATE REQ:



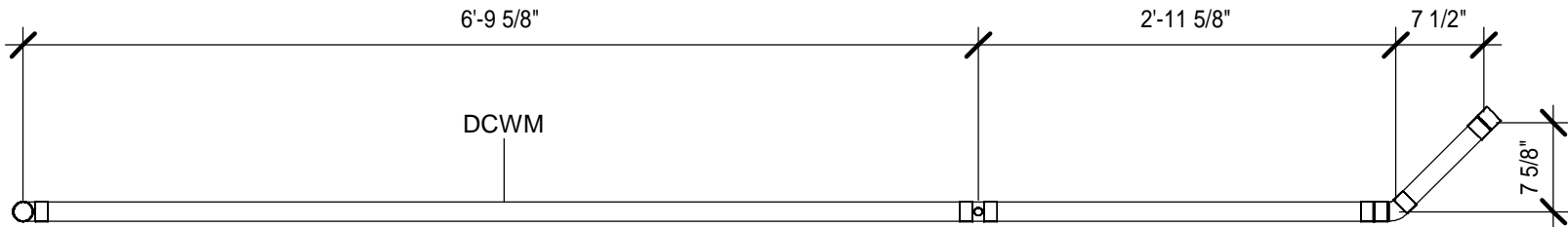
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
09-08-2021 15:46:06

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	6'-8 1/16"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-9 1/4"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-10 1/16"				1"
04	1	1 1/2"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
06	1	1 1/2"	Nibco Wrot 606-2 45 Deg Ftg Ell FTGxC					1"
07	2	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



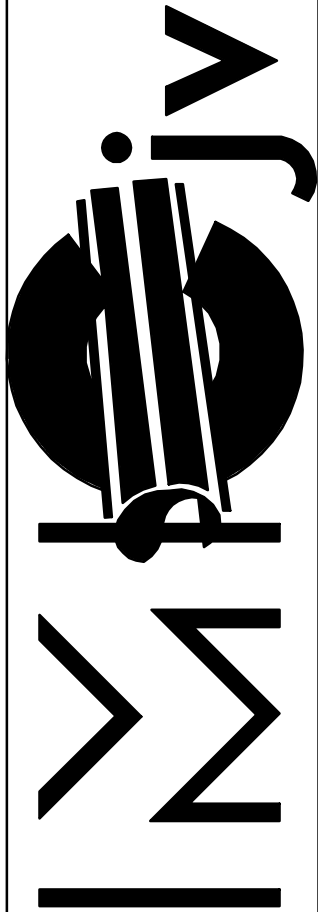
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

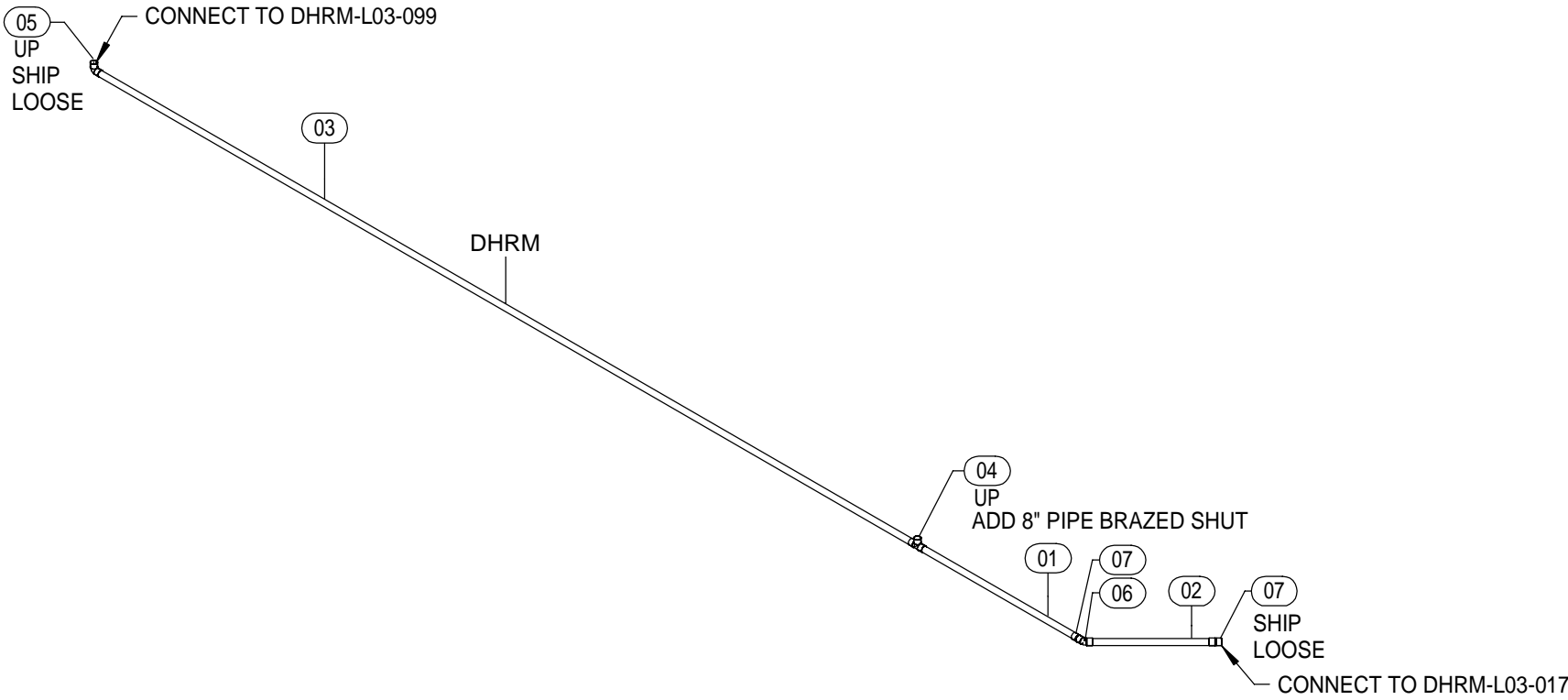
JOB:	WASH U NRB
TICKET:	DCWM-L03-021
Drawn By: Author	
DATE: 08/09/21	DATE REQ:



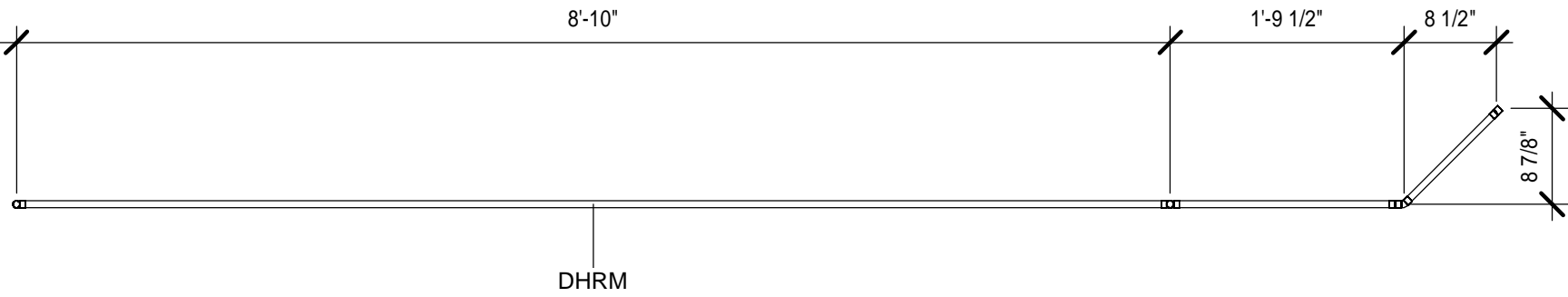
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM_RB_PLF.nt
06-08-2021 17:35:33

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper Pipe	1'-8 5/16"				1"
02	1	1/2"	Cerro Type L Hard Copper Pipe	0'-11 11/16"				1"
03	1	1/2"	Cerro Type L Hard Copper Pipe	8'-9 5/16"				1"
04	1	1/2"	Nibco Wrot 611 CxCxC Tee					1"
05	1	1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
06	1	1/2"	Nibco Wrot 606-2 45 Deg Ftg Ell FTGxC					1"
07	2	1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



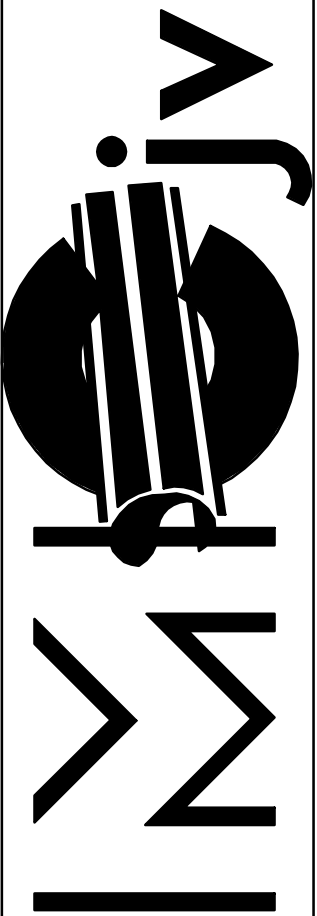
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

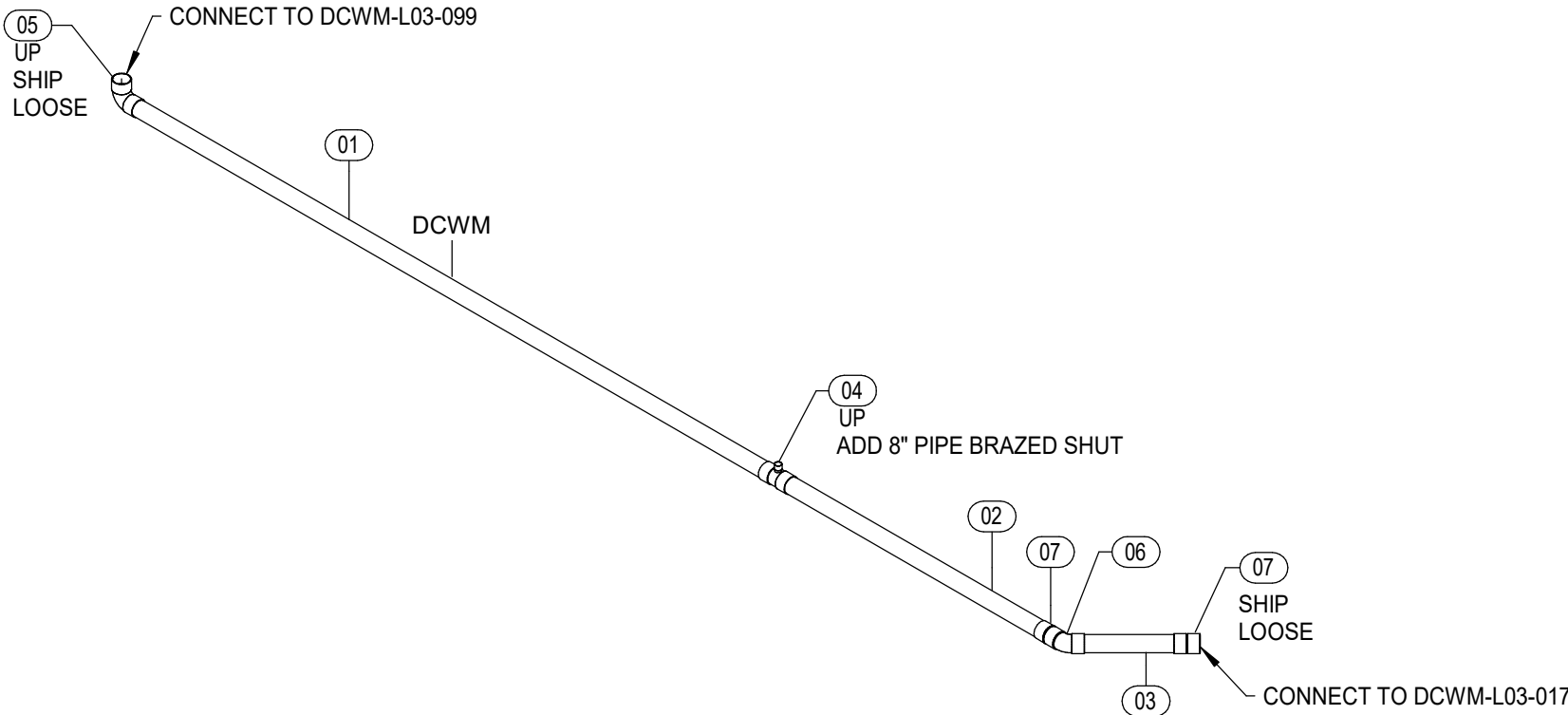
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TICKET: DHRM-L03-021	
Drawn By: Author	
DATE: 08/06/21	



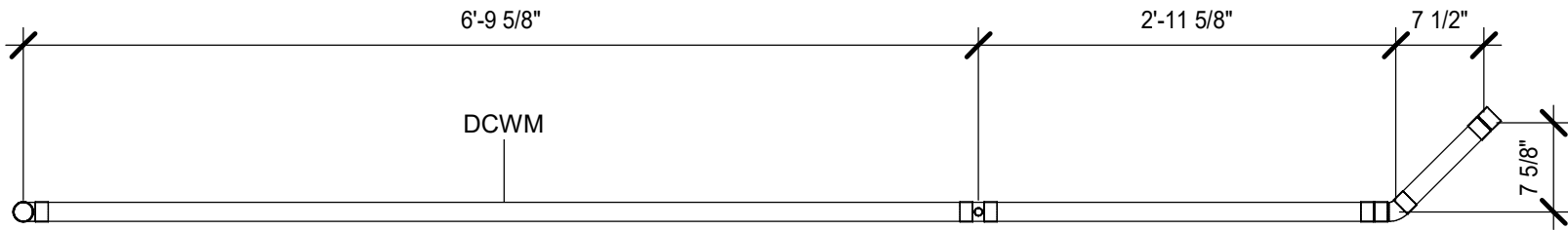
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
8/18/2021 3:32:45 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	6'-8 1/16"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-9 1/4"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-10 1/16"				1"
04	1	1 1/2"x1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1"
05	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
06	1	1 1/2"	Nibco Wrot 606-2 45 Deg Ftg Ell FTGxC					1"
07	2	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



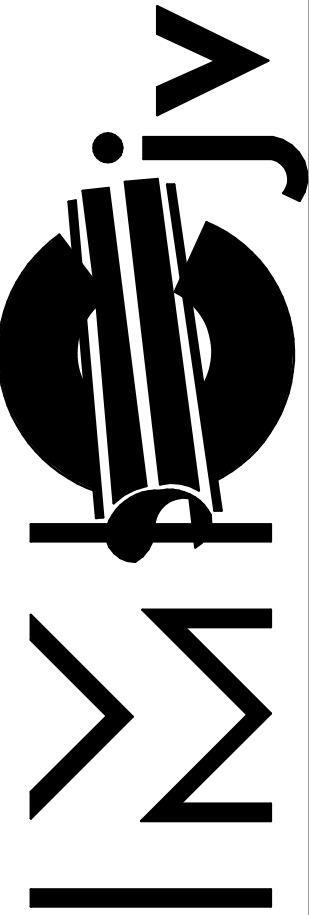
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

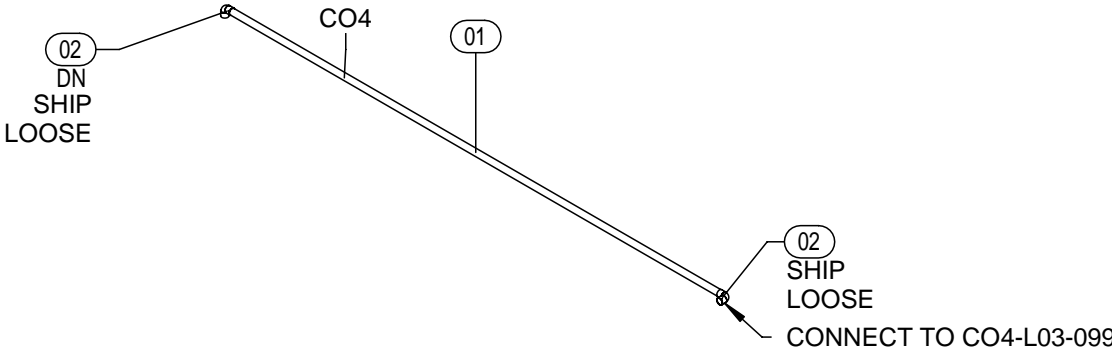
JOB:	WASH U NRB
TICKET:	DCWM-L03-021
Drawn By: Author	
DATE: 08/09/21	DATE REQ:



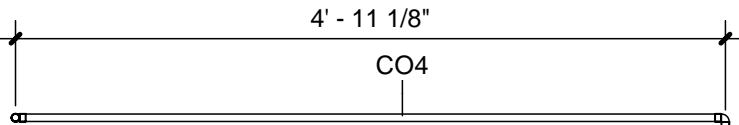
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_PUF.rvt
10-08-2021 14:31:52

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper - CFOS	4'-10 1/2"				
02	2	1/2"	Nibco 607-CB CFOS Wrot 90 Elbow					



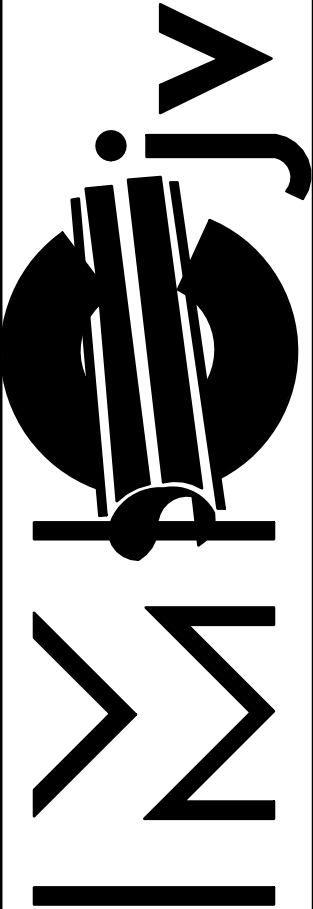
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

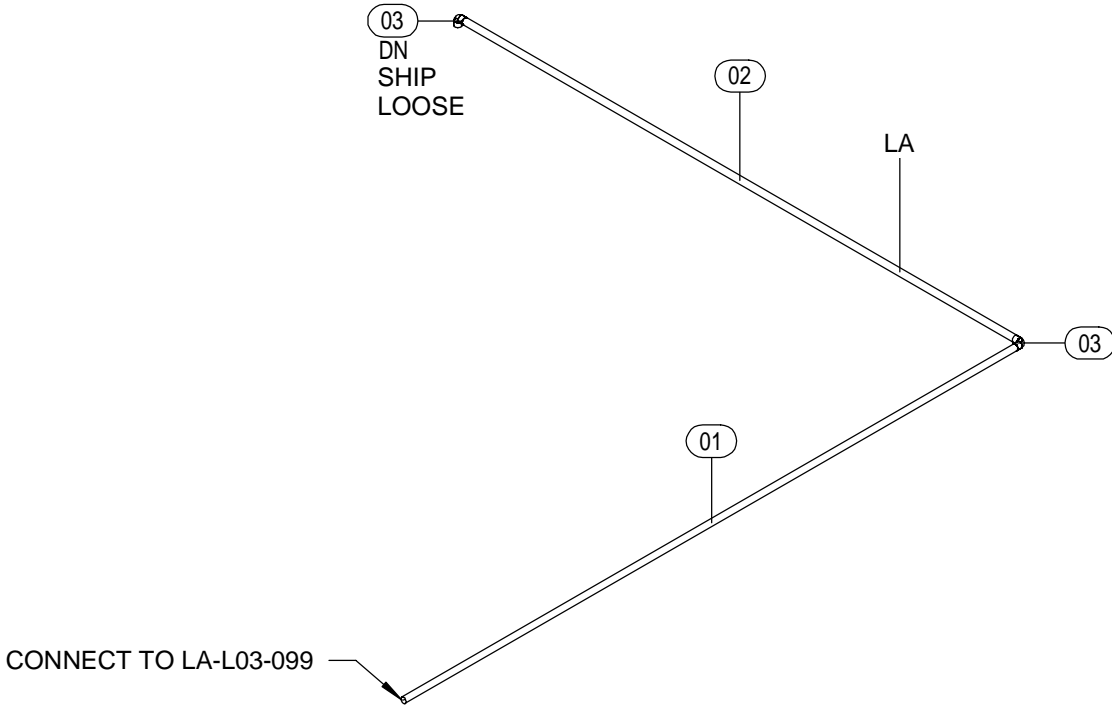
JOB: WASH U NRB
TICKET: CO4-L03-021
Drawn By: Author
DATE: 08/12/21
DATE REQ:



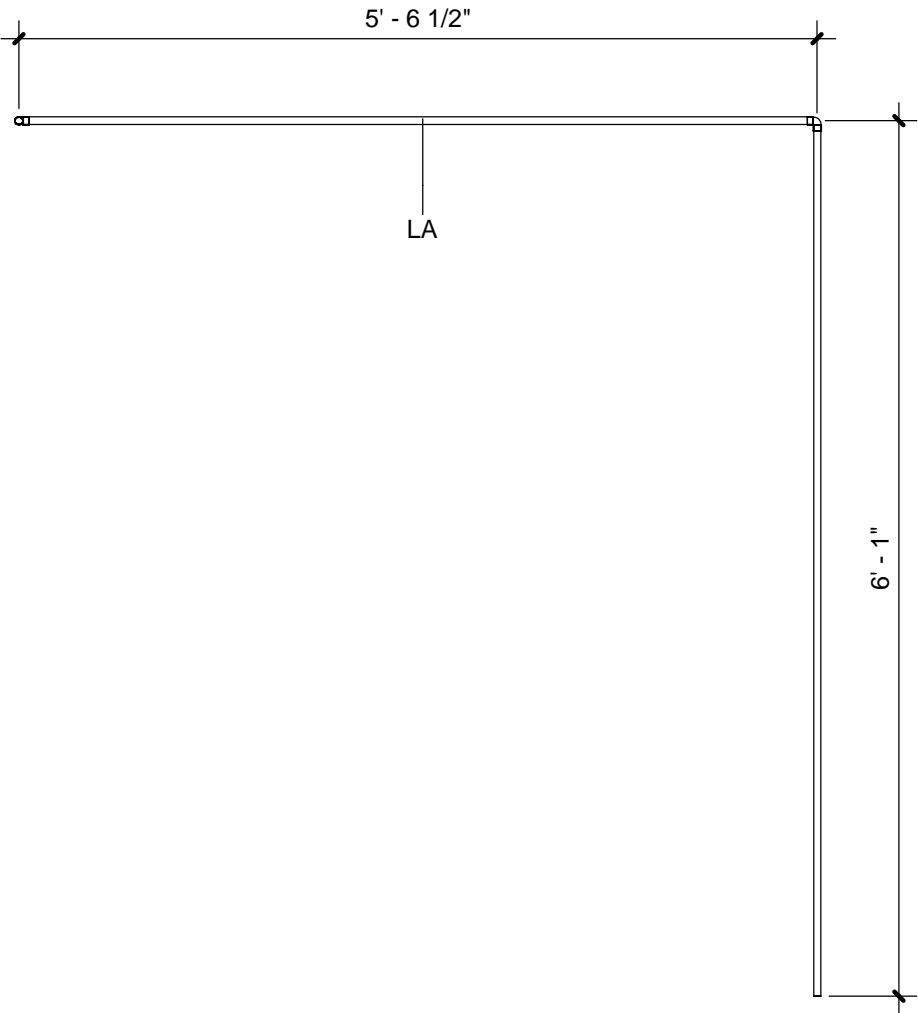
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_PUF.rvt
11-08-2021 14:56:44

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



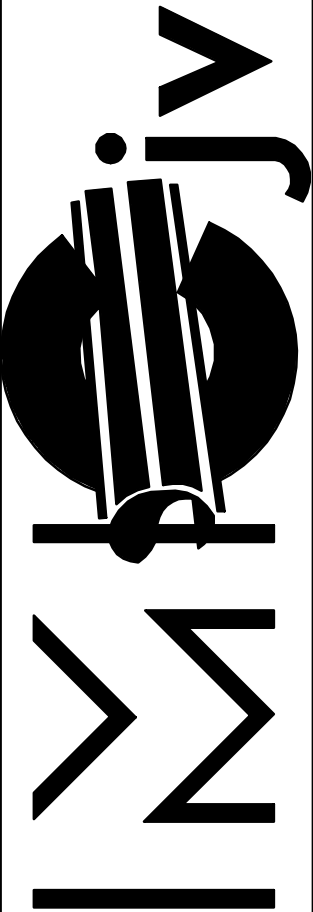
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

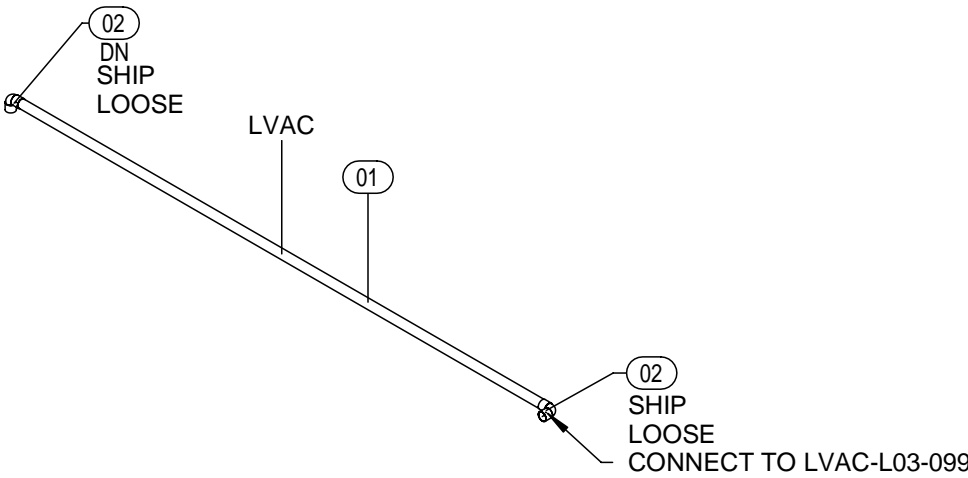
JOB:	WASH U NRB
TICKET:	LA-L03-021
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



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

BIM 360/WUSM NRBWUSM_RB_PUF.rvt
10-08-2021 10:49:36

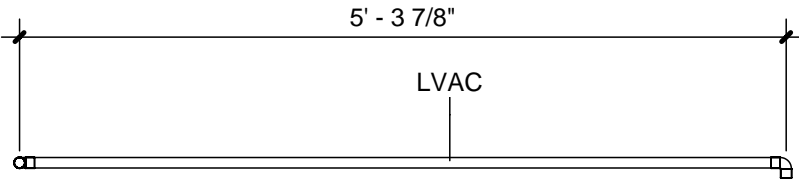
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	5'-2 15/16"				
02	2	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					



1

ISOMETRIC

SCALE:



2

TOP VIEW

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

A1	A3	B1	B3
A2	A4	B2	B4

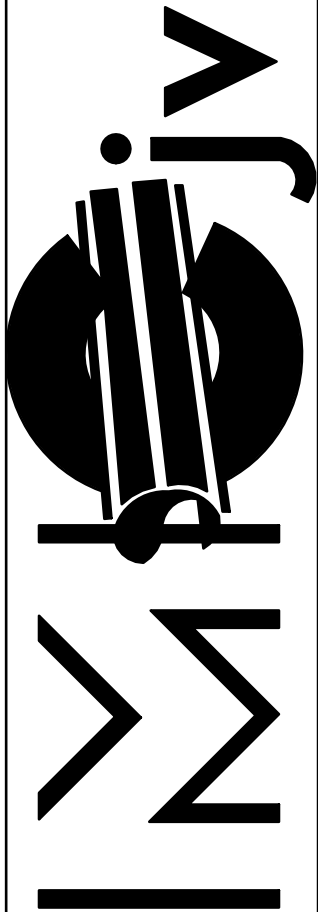
JOB: WASH U NRB

TICKET: LVAC-L03-021

Drawn By: Author

DATE: 08/12/21

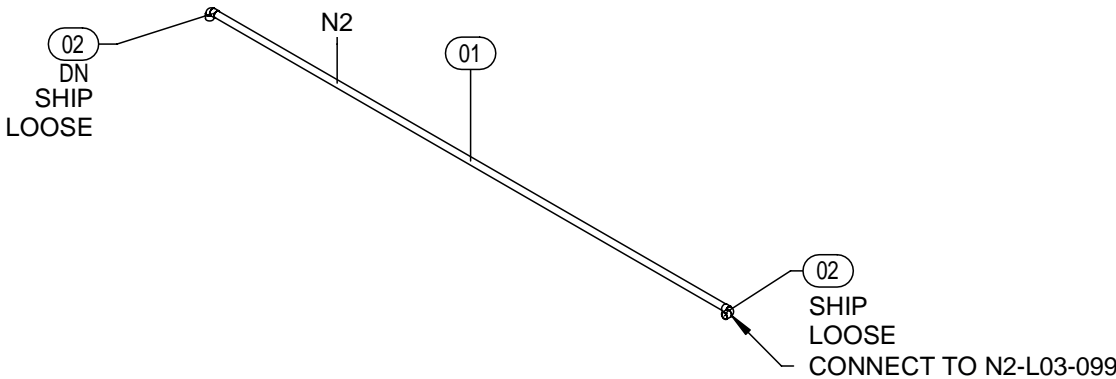
DATE REQ:



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BIM 360/WUSM NRBWUSM_RB_PUF.rvt
12-08-2021 12:27:27

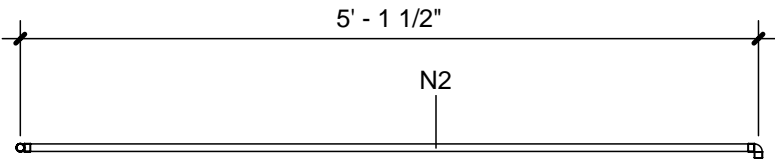
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper - CFOS	5'-0 7/8"				
02	2	1/2"	Nibco 607-CB CFOS Wrot 90 Elbow					



1

ISOMETRIC

SCALE: _____



2

TOP VIEW

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

A1	A3	B1	B3
A2	A4	B2	B4

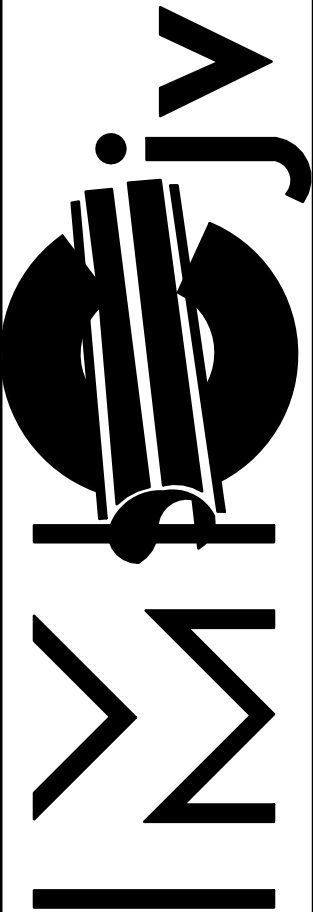
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TICKET: N2-L03-021

Drawn By: Author

DATE: 08/12/21

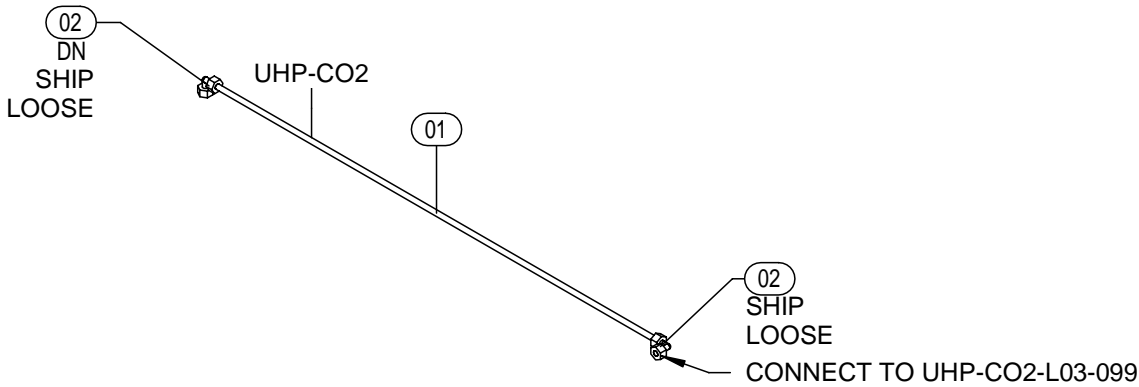
DATE REQ:



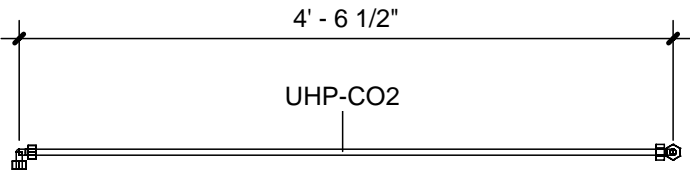
1233 N. Price Rd.
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314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_PUF.rvt
10-08-2021 16:20:02

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1/2"	Swagelok SS316L 065 Wall Compression Seamless Tubing	4'-5 1/2"				
02	2	1/2"	Swagelok SS316 Compression Union 90 Elbow					



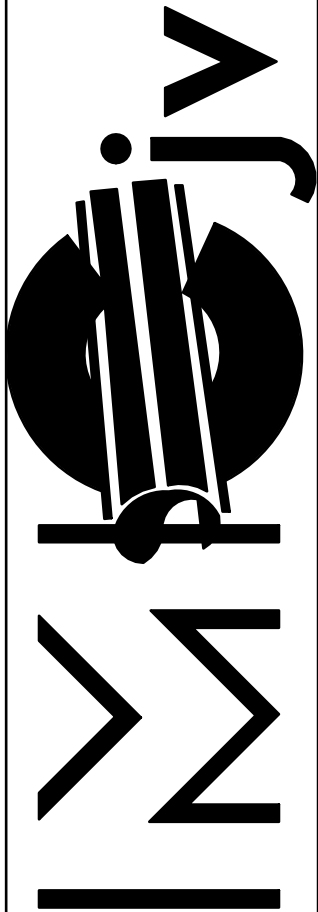
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

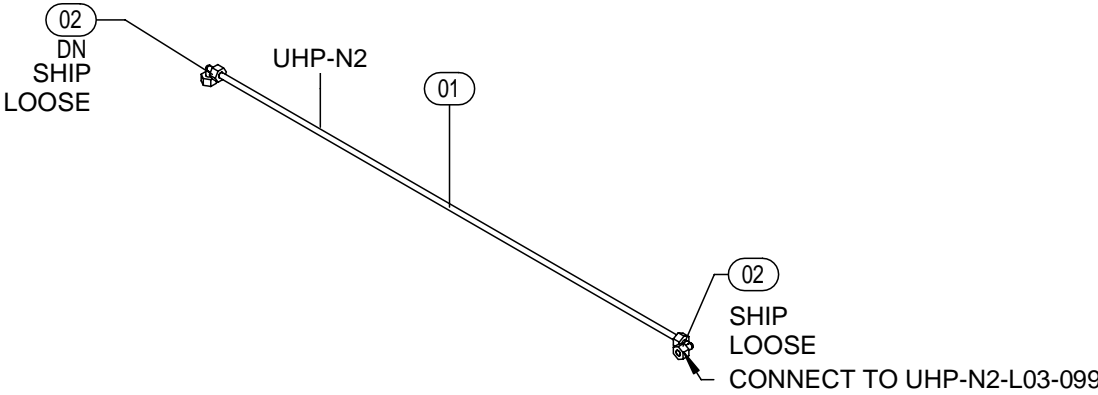
JOB:	WASH U NRB
TICKET:	UHP-CO2-L03-021
Drawn By: Author	
DATE: 08/12/21	DATE REQ:



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BIM 360/WUSM NRBWUSM_RB_PUF.rvt
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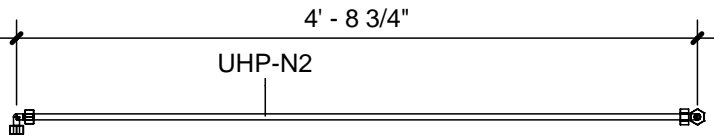
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1/2"	Swagelok SS316L 065 Wall Compression Seamless Tubing	4'-7 3/4"				
02	2	1/2"	Swagelok SS316 Compression Union 90 Elbow					



1

ISOMETRIC

SCALE:



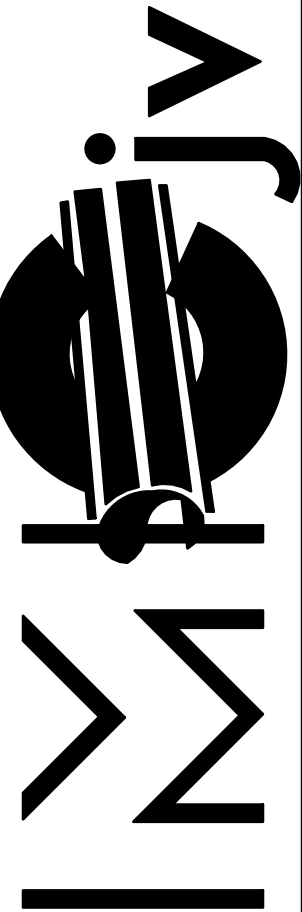
2

FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	UHP-N2-L03-021
Drawn By: Author	
DATE: 08/12/21	DATE REQ:



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