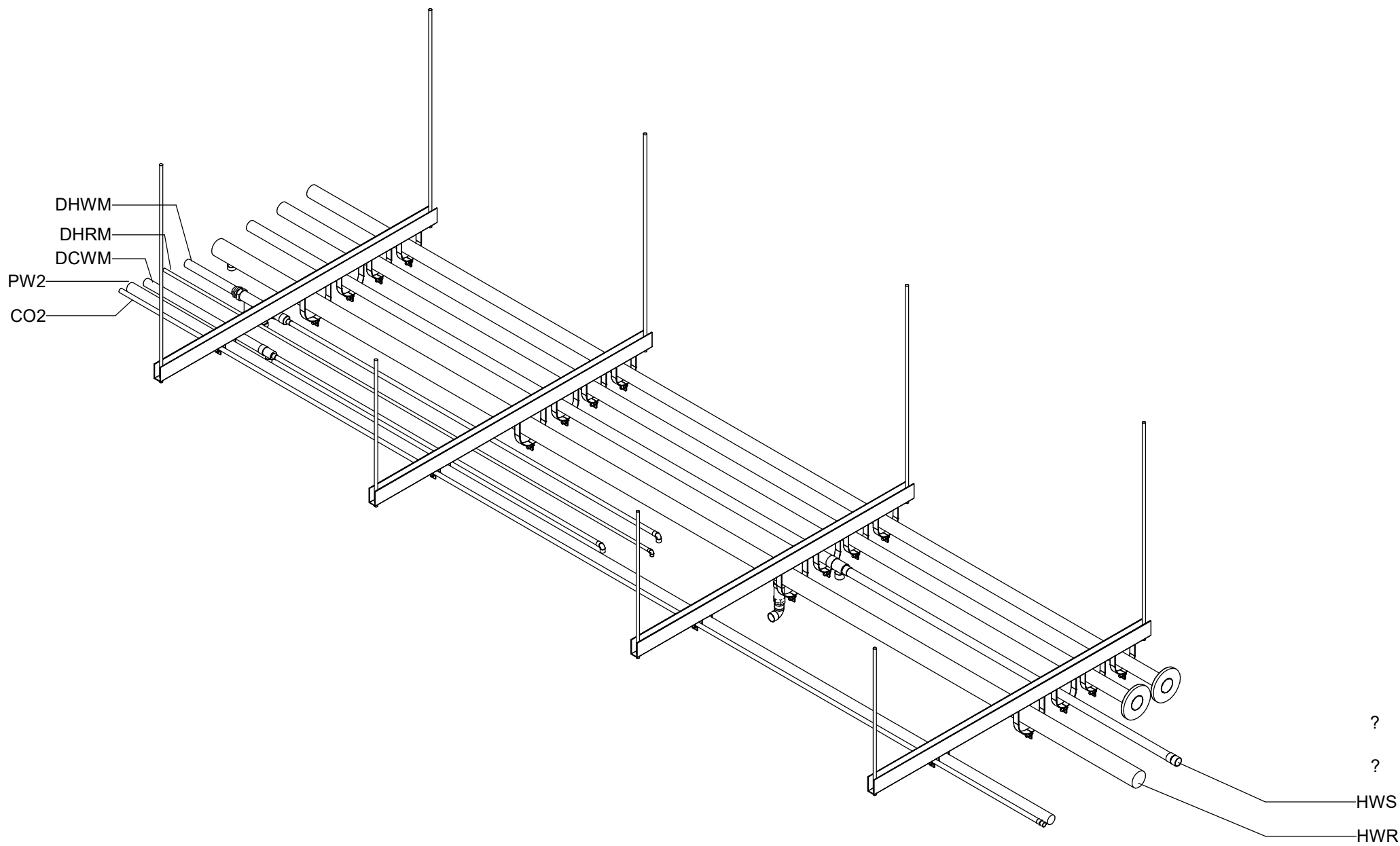
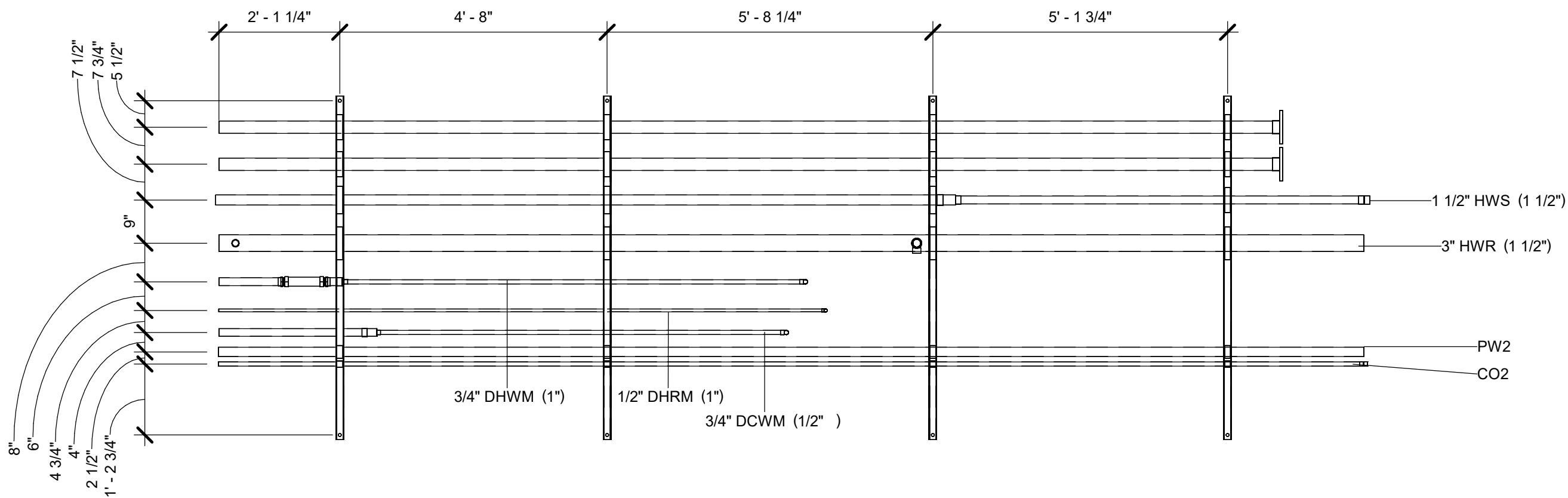


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11/11/2021 11:46:14 AM



2 AS-L03-016 - ISOMETRIC  
AS-L03-016 SCALE:



1 AS-L03-016  
AS-L03-016 SCALE: 1/2" = 1'-0"

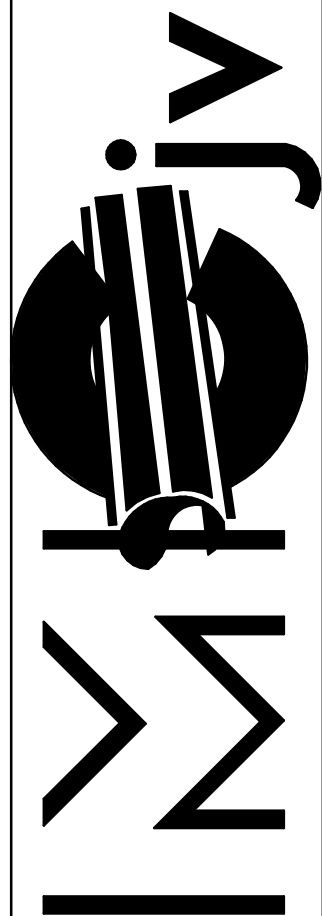
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: AS-L03-016

Drawn By: Author

DATE REQ: 08/09/21

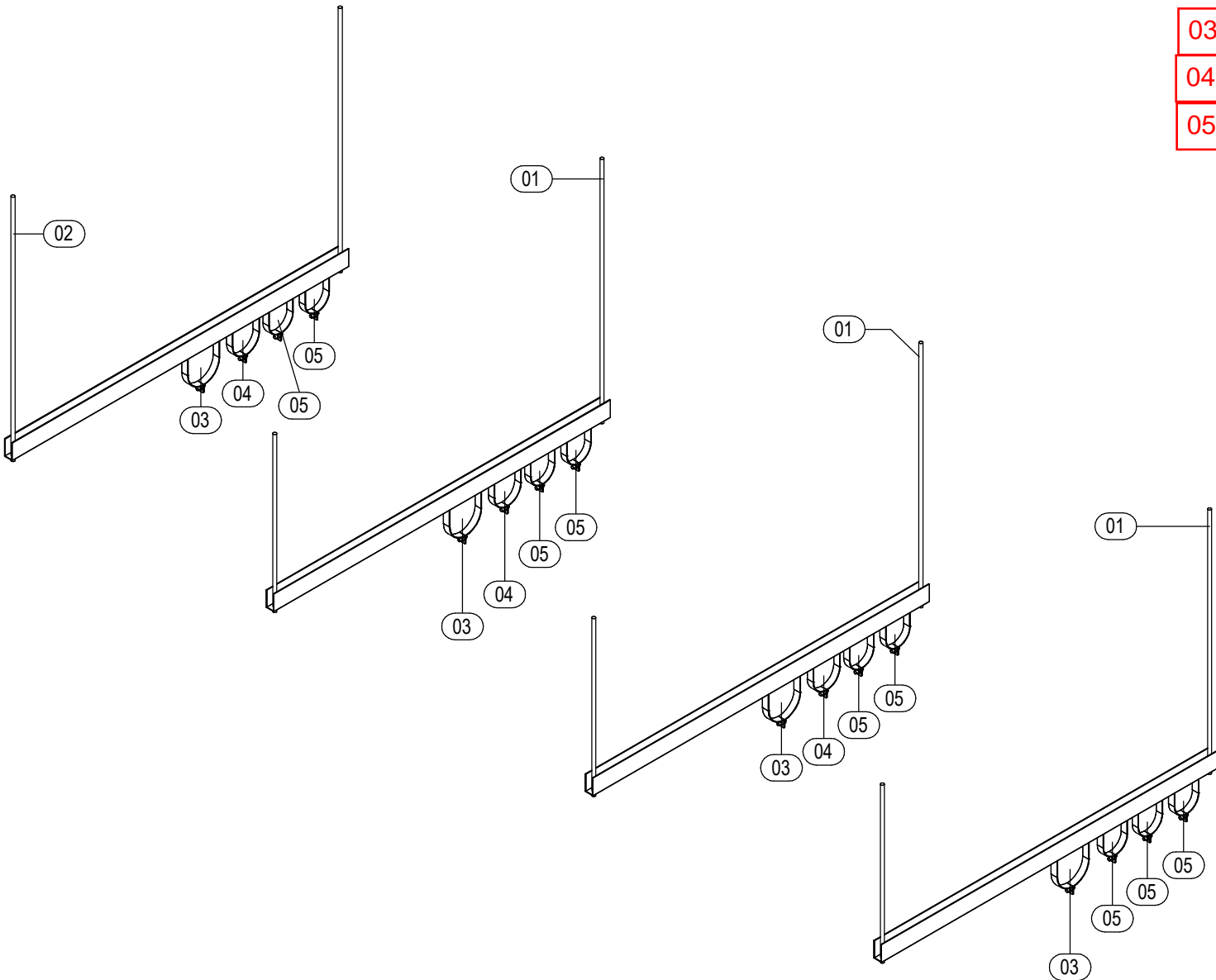


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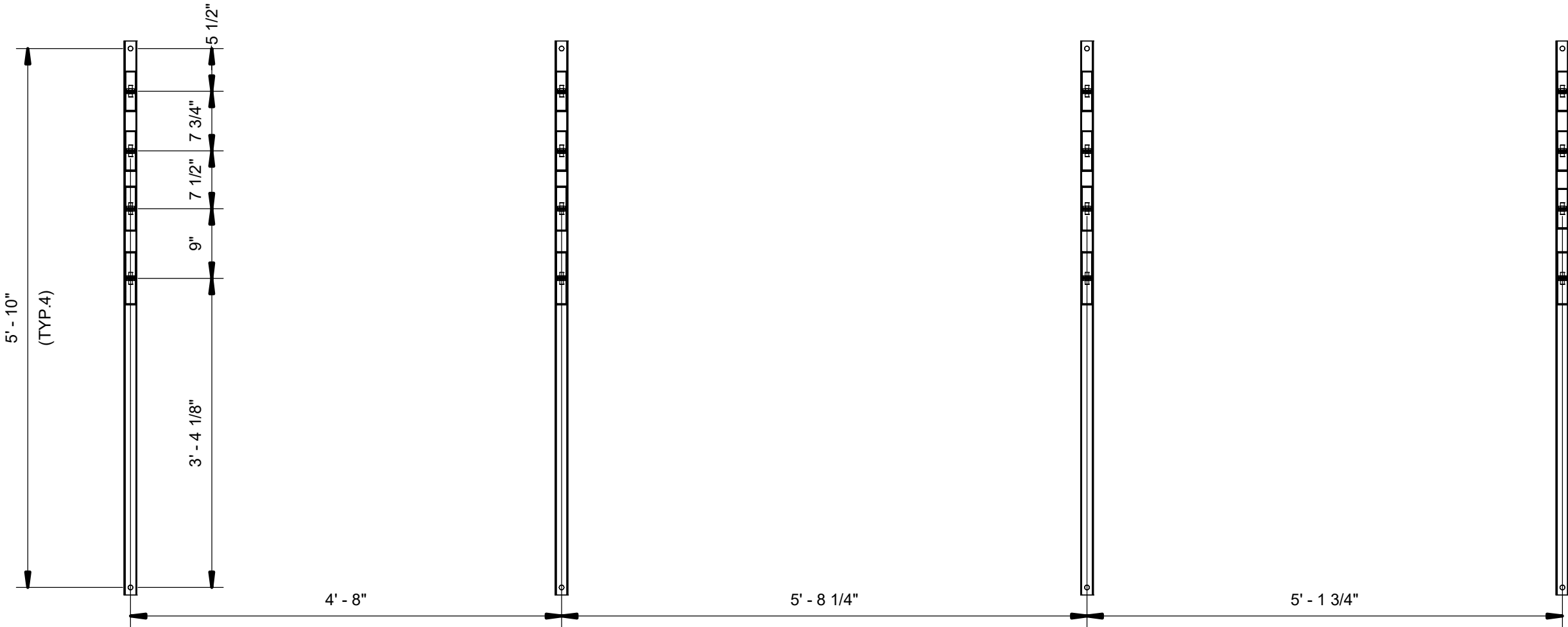
BIM 360//WUSM NRBWUSM RB HPF.rvt  
8/20/2021 12:10:51 PM

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	3	68"	B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut		6' - 0"	2' - 9"	4' - 1"	
02	1	68"	B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut		6' - 0"	4' - 1"	4' - 1"	
03	4	6"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"	0"	0"	
04	3	5"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"	0"	0"	
05	9	1.5"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"	0"	0"	

03	4	6 1/8"	B-LINE #2110
04	1	4 5/8"	B-LINE #2058
05	11	5 1/8"	B-LINE #2062



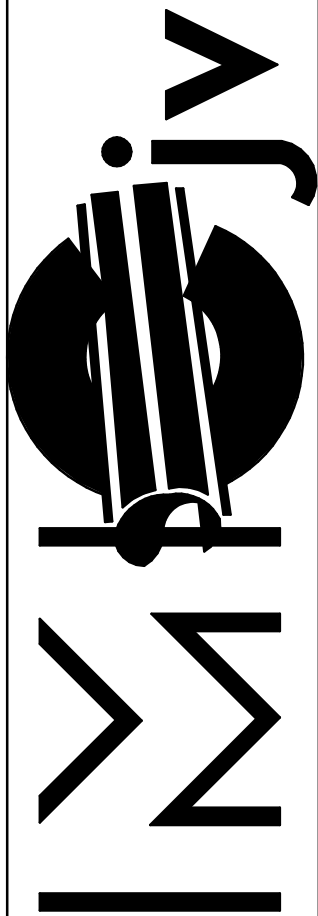
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

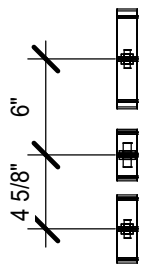
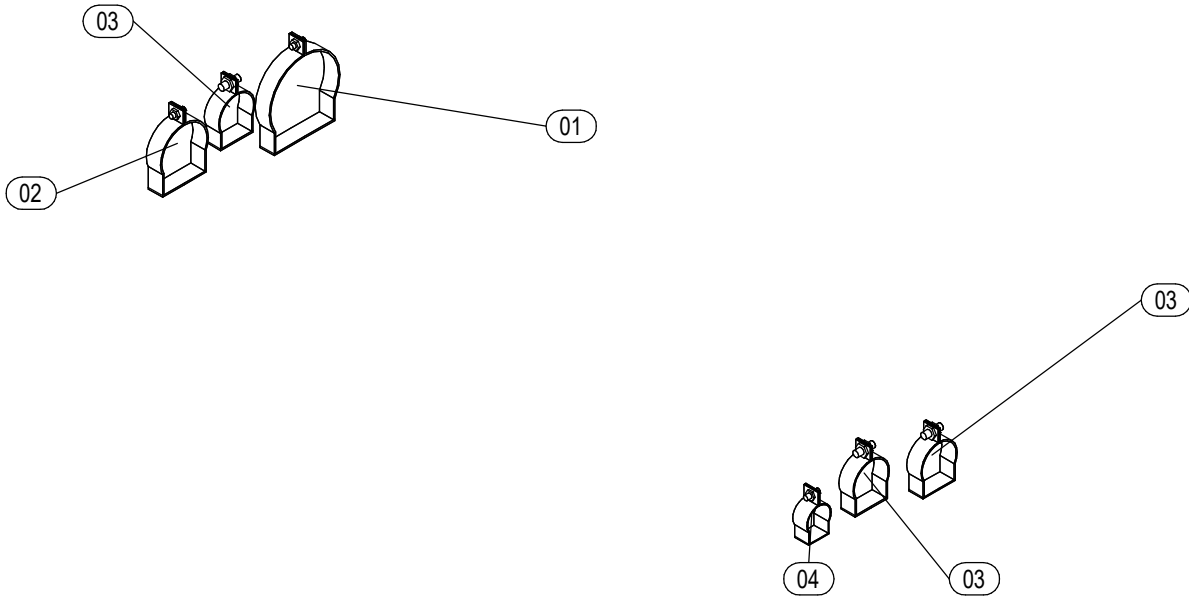
JOB:	WASH U NRB
TICKET:	HPHGR-L03-016
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



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BIM 360://WUSM NRBWUSM\_RB\_PLF.rvt  
12/10/2021 12:38:41 PM

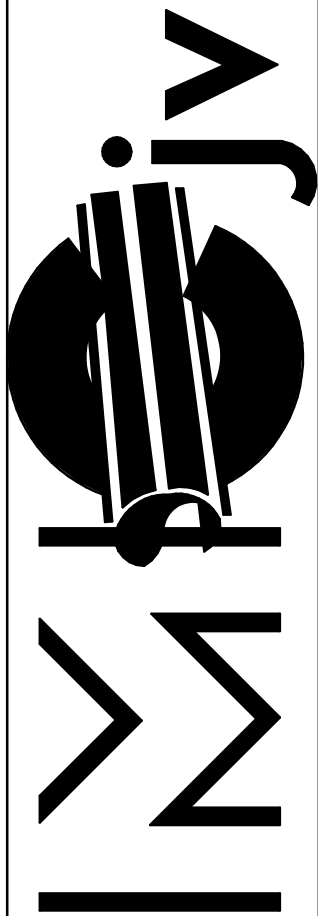
Mark	Qty	Description	Length	Size	Insulation
01	1	B-Line B2000 Series - OD Pipe and Conduit		5.13"	
02	1	B-Line B2000 Series - OD Pipe and Conduit		3.63"	
03	3	B-Line B2000 Series - OD Pipe and Conduit		2.63"	
04	1	B-Line B2000 Series - OD Pipe and Conduit		1.63"	



**2** Elevation Top  
SCALE: 1" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PPHGR-L03-016
Drawn By: Author	
DATE: 12/10/21	DATE REQ:



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BIM 360//WUSM NRBWUSM\_RB\_PUF.rvt  
11-08-2021 15:24:49

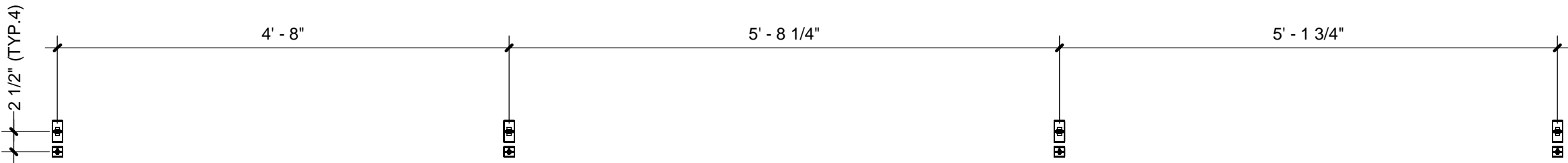
Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	4	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
02	4	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					



1

ISOMETRIC

SCALE:



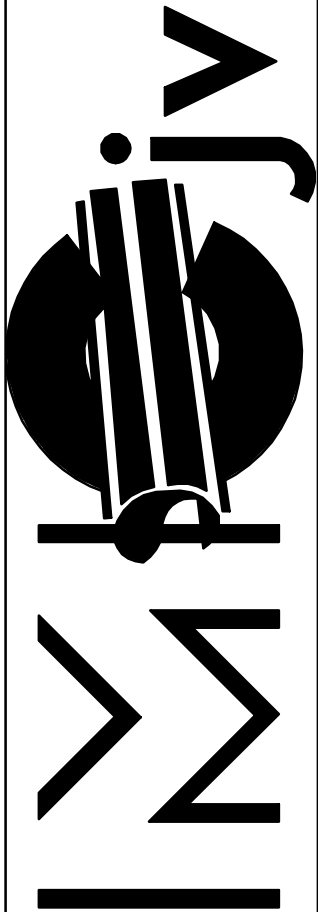
2

TOP VIEW

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

A1	A3	B1	B3
A2	A4	B2	B4

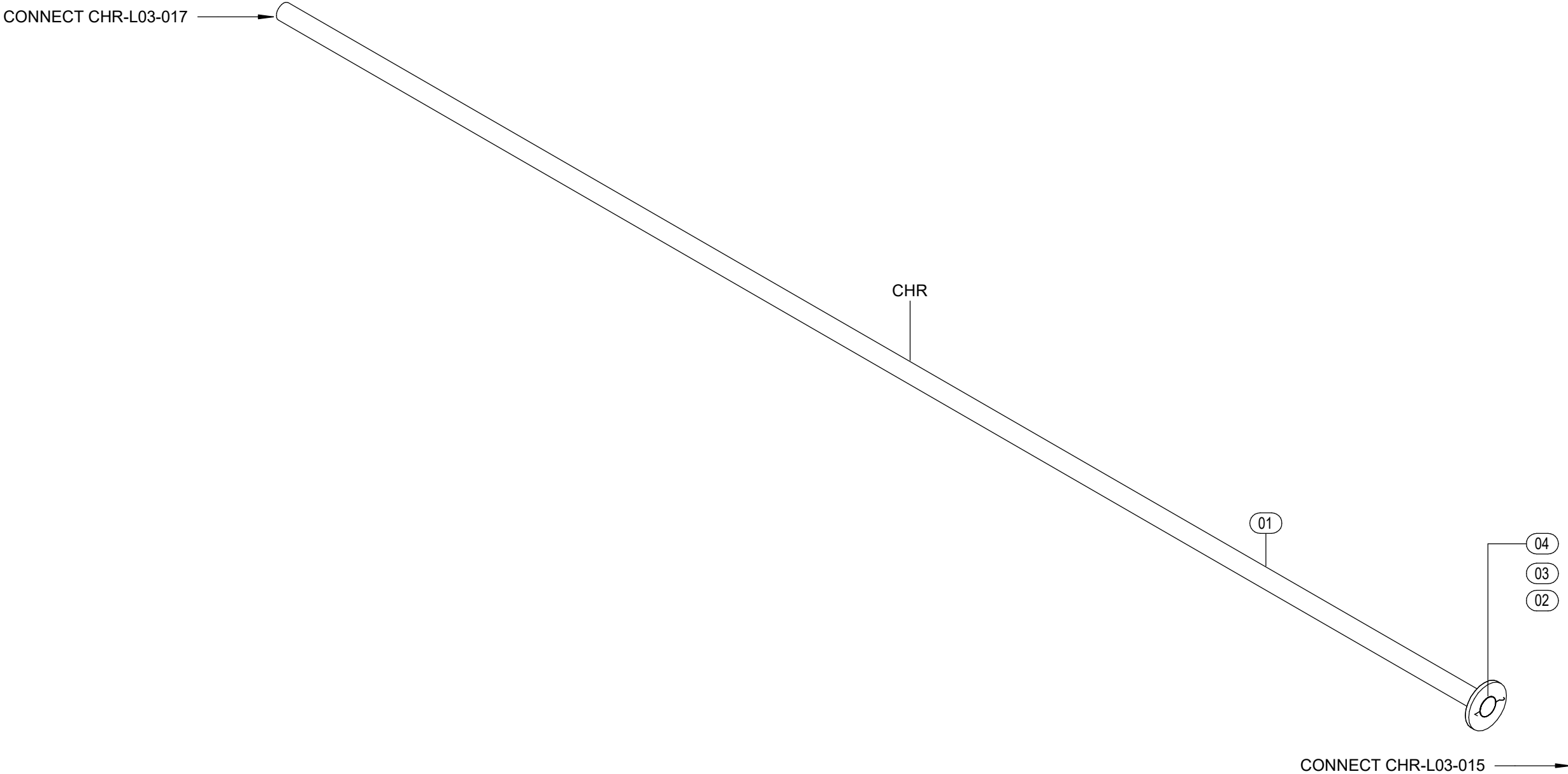
JOB:	WASH U NRB
TICKET:	PUHGR-L03-016
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



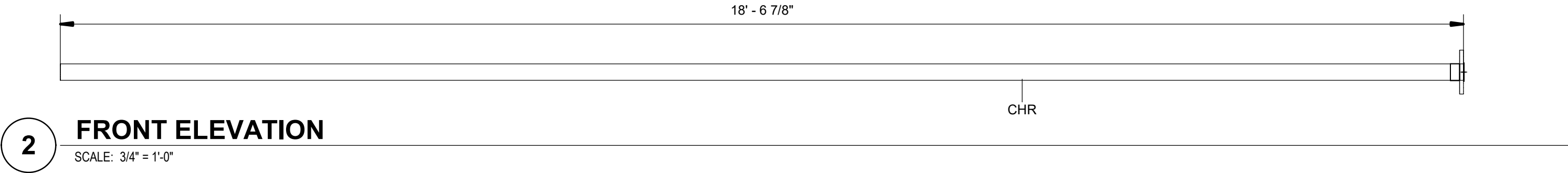
1233 N. Price Rd.  
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314-997-6600 phone

BIM 360://WUSM NRBWUSM\_RB\_HPF.rvt  
11/11/2021 10:37:35 AM

Mark	Qty	Description	Length	Size	Insulation
01	1	Cerro Type K Hard Copper Pipe	18'-6 1/4"	2 1/2"	1"
02	1	Nibco 150lb 672 2pc LF Compainion Flange		2 1/2"	1"
03	1	Generic 150# RF Garlock Gasket 1/16 Thick		2 1/2"	1"
04	1	Generic 150# CS Flange Bolt Set		2 1/2"	



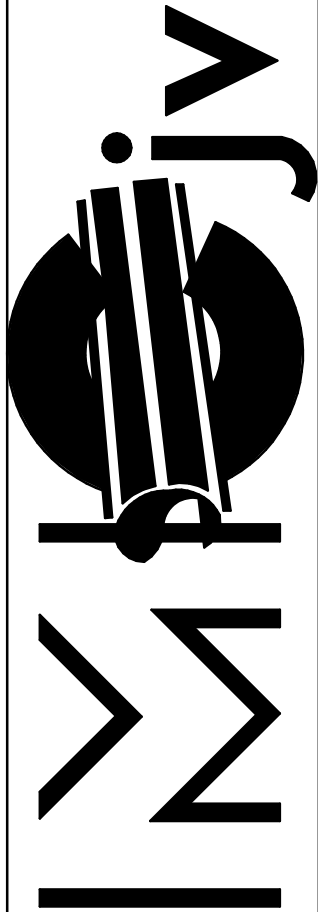
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

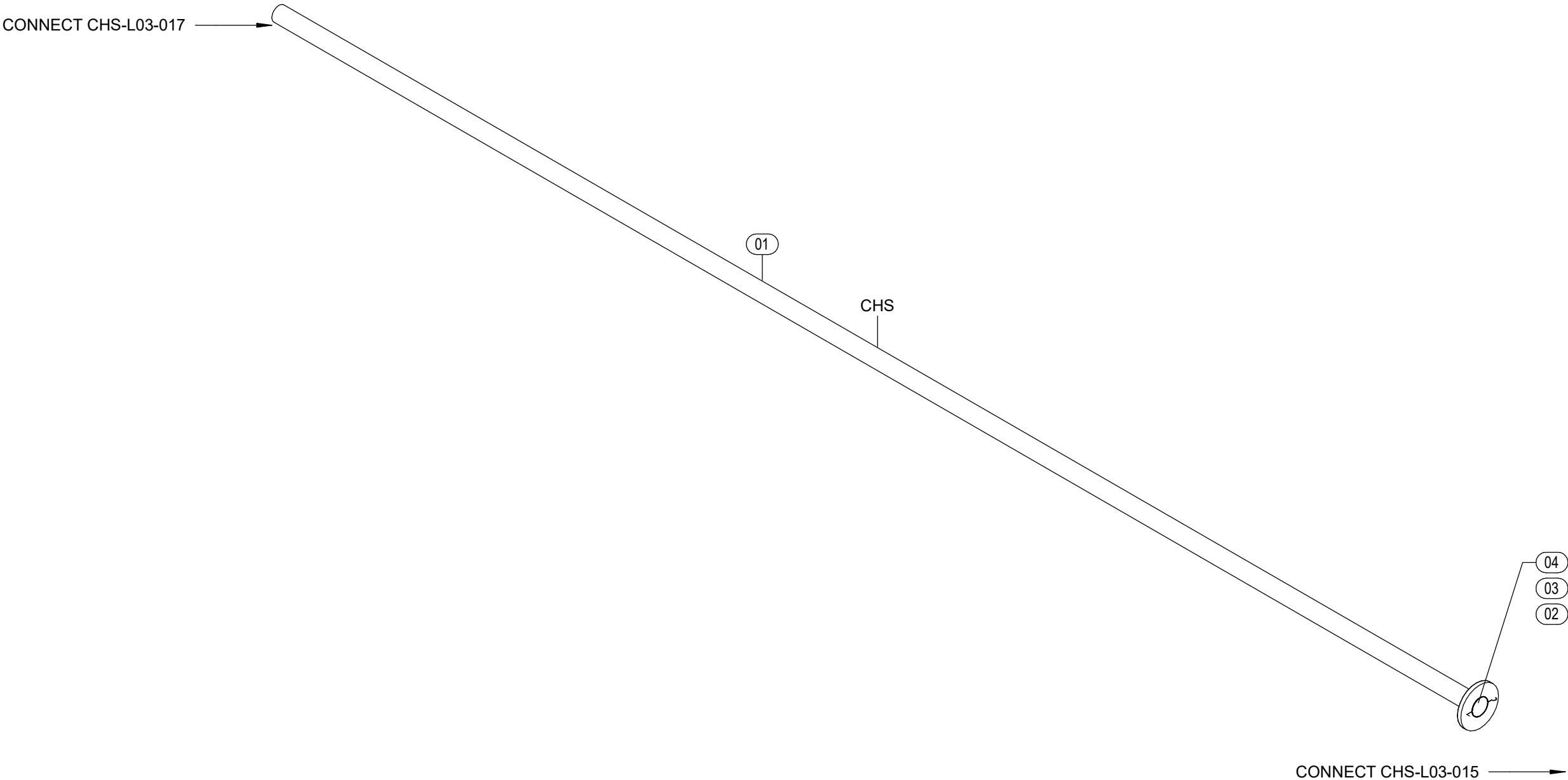
JOB:	WASH U NRB
TICKET:	CHR-L03-016
Drawn By: Author	
DATE: 08/03/21	DATE REQ:



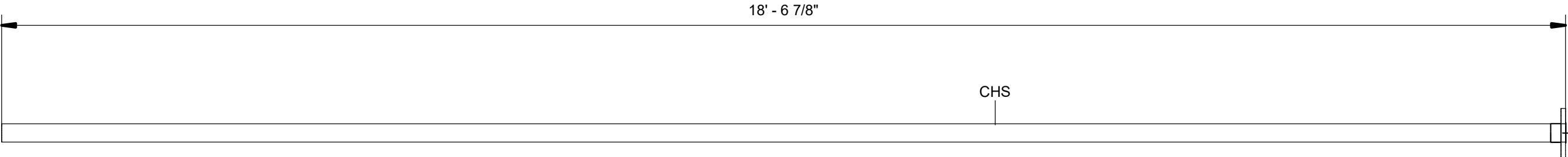
1233 N. Price Rd.  
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BIM 360://WUSM NRBWUSM\_RB\_HPF.rvt  
11/11/2021 10:38:24 AM

Mark	Qty	Description	Length	Size	Insulation
01	1	Cerro Type K Hard Copper Pipe	18'-6 1/4"	2 1/2"	1"
02	1	Nibco 150lb 672 2pc LF Compainion Flange		2 1/2"	1"
03	1	Generic 150# RF Garlock Gasket 1/16 Thick		2 1/2"	1"
04	1	Generic 150# CS Flange Bolt Set		2 1/2"	



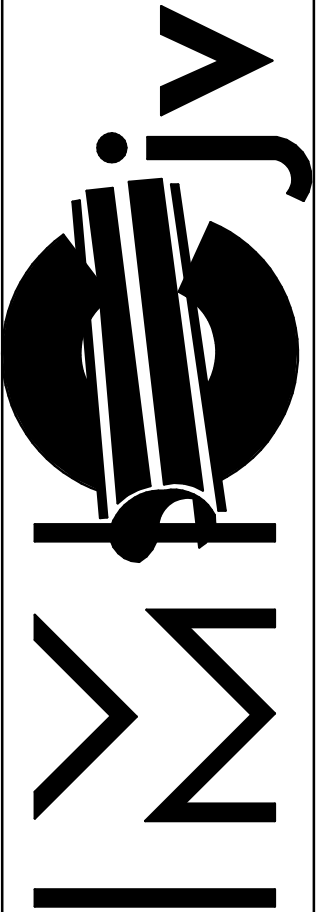
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

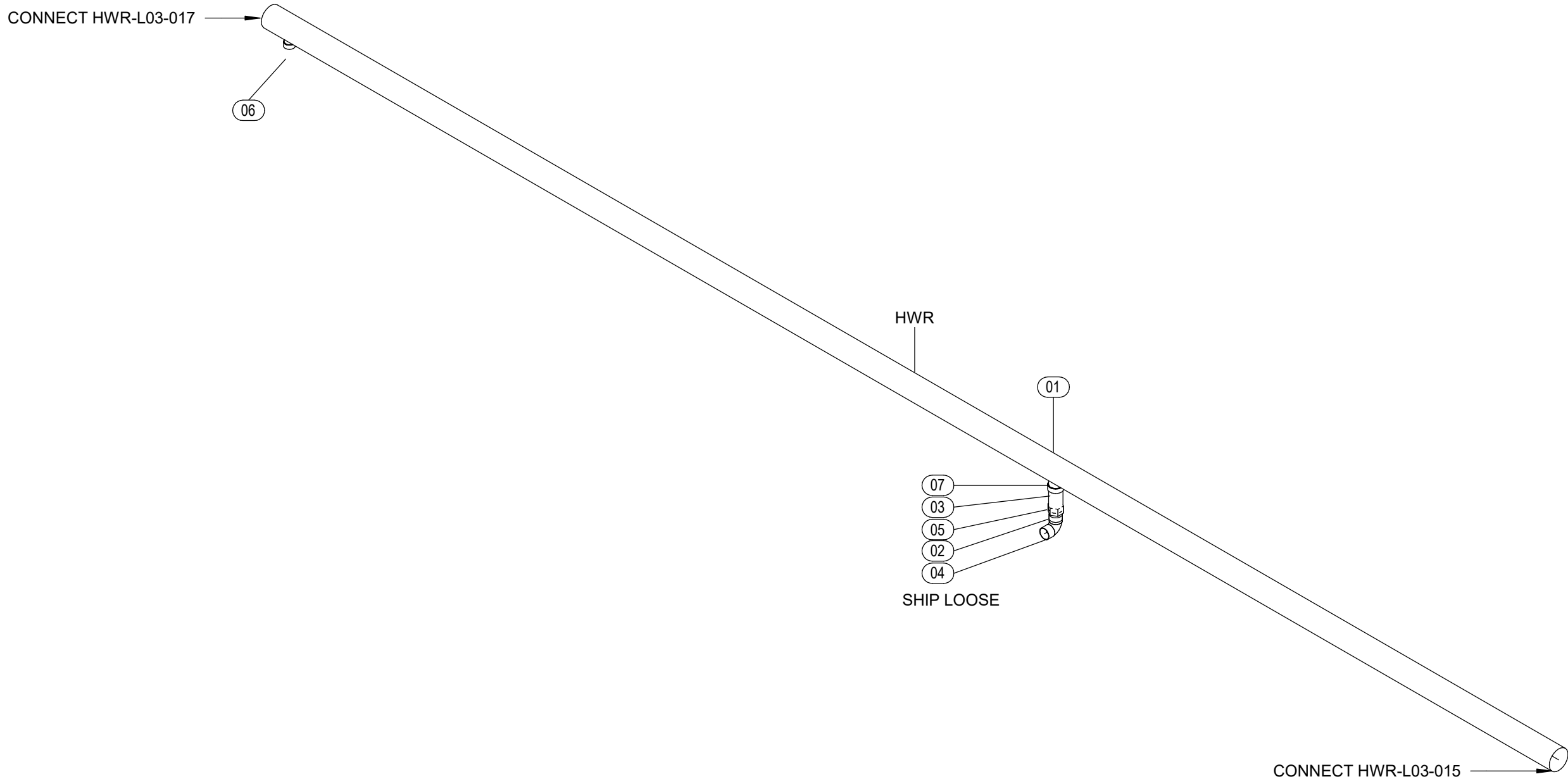
JOB:	WASH U NRB
TICKET:	CHS-L03-016
Drawn By: Author	
DATE: 08/03/21	DATE REQ:



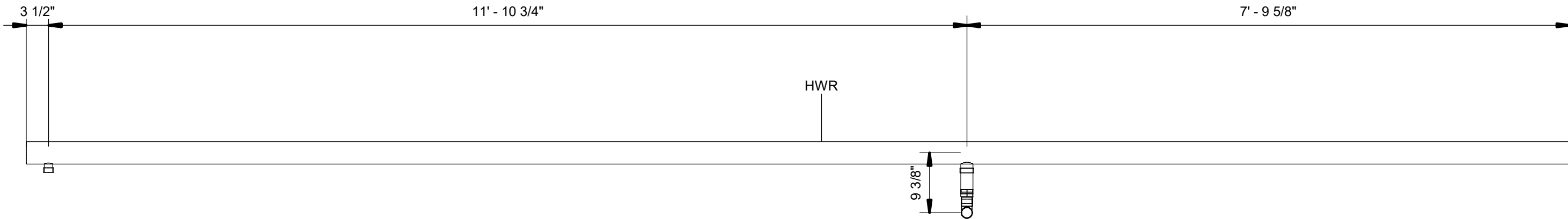
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BIM 360://WUSM NRBWUSM\_RB\_HPF.rvt  
11/11/2021 10:36:20 AM

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



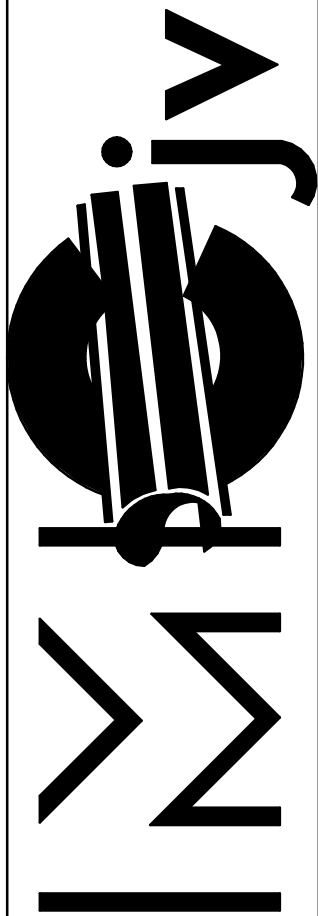
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

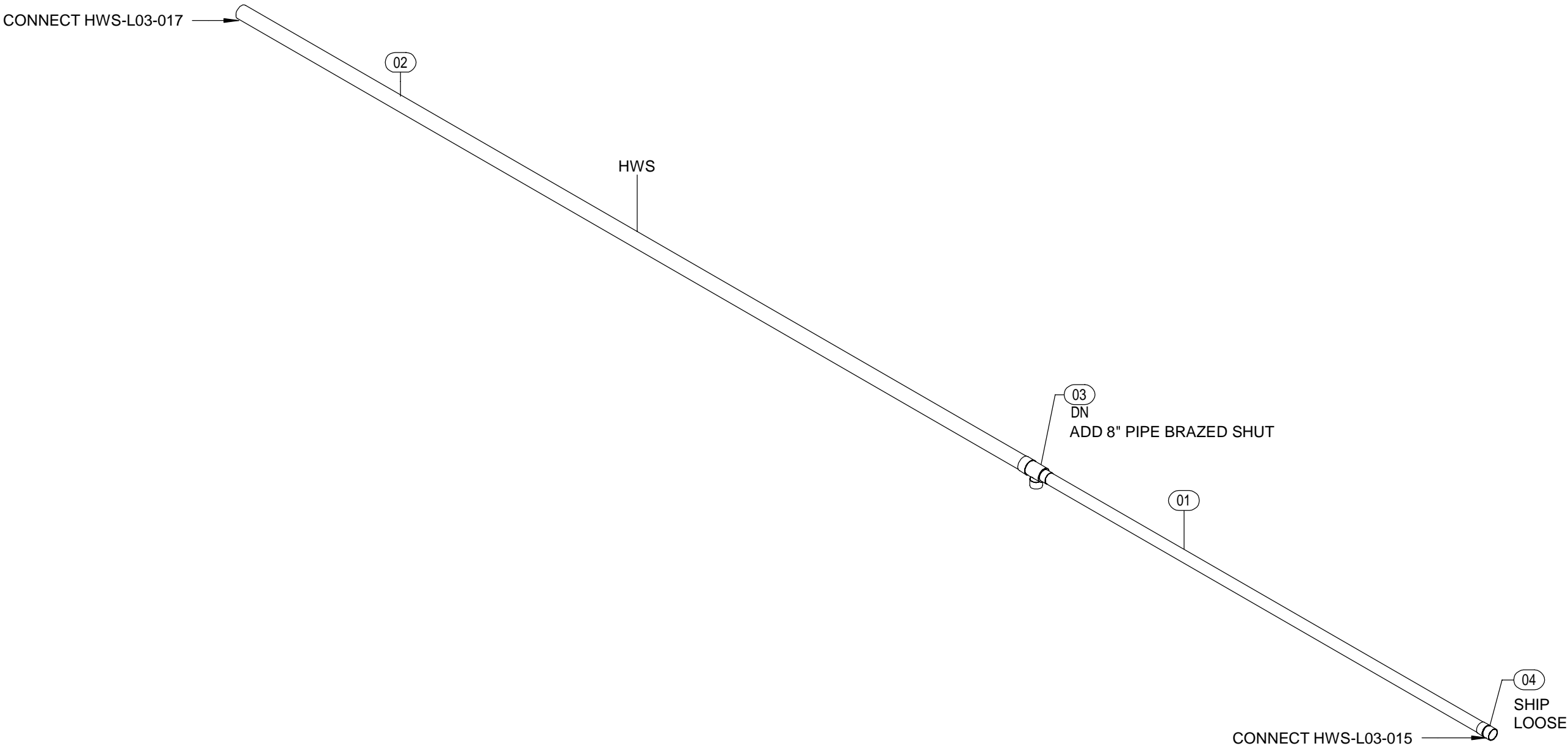
JOB: WASH U NRB	TICKET: HWR-L03-016	Drawn By: Author	DATE REQ: 08/03/21
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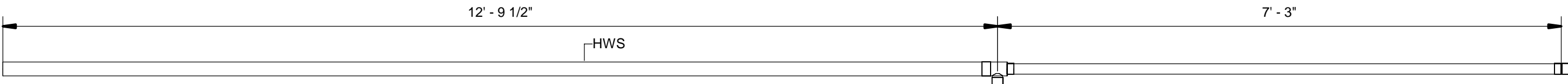
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BIM 360//WUSM NRBWUSM\_RB\_HPF.rvt  
03-08-2021 18:21:05

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	7'-1 9/16"				1 1/2"
02	1	2"	Cerro Type K Hard Copper Pipe	12'-8 7/16"				1 1/2"
03	1	2"x1 1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
04	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



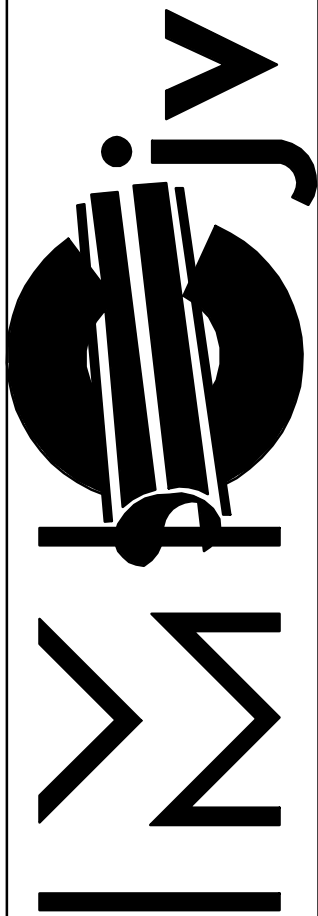
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	HWS-L03-016
Drawn By:	Author
DATE:	08/03/21
DATE REQ:	

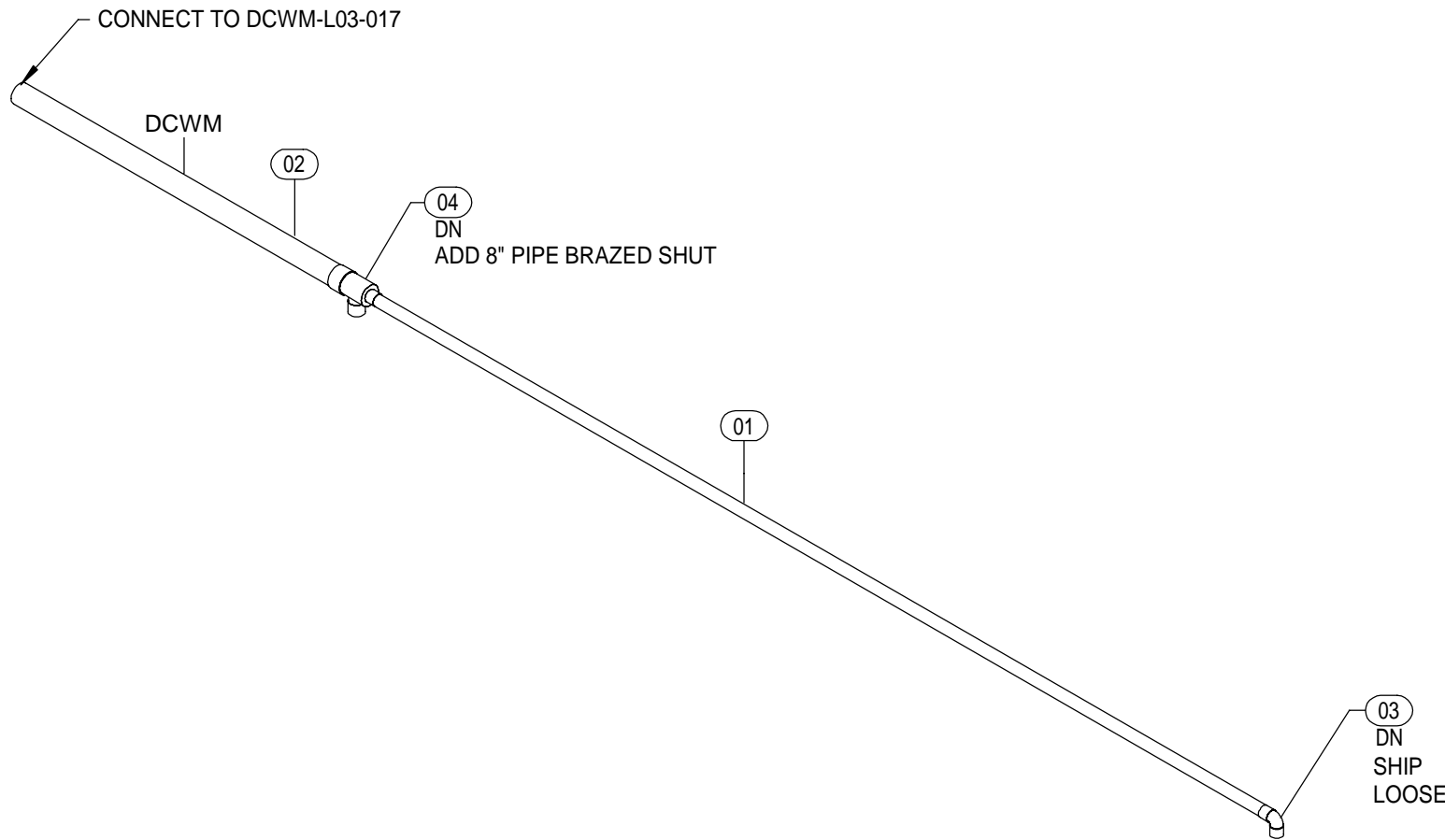


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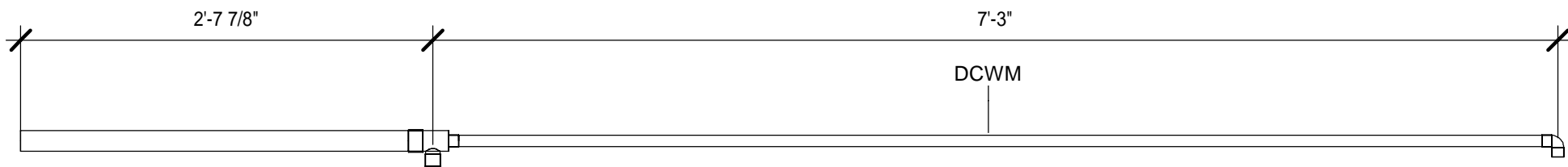


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06-08-2021 15:51:01

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



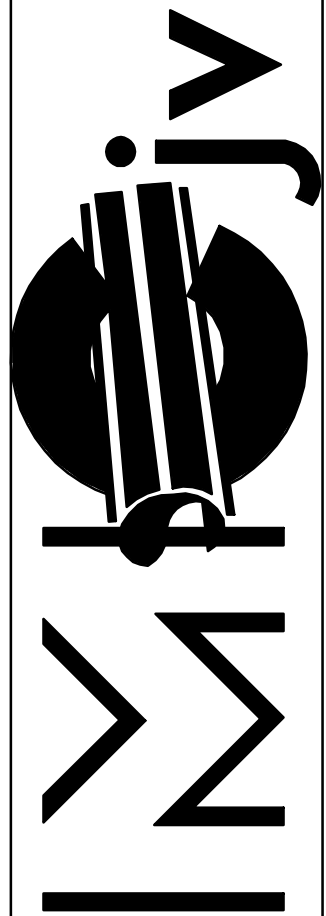
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

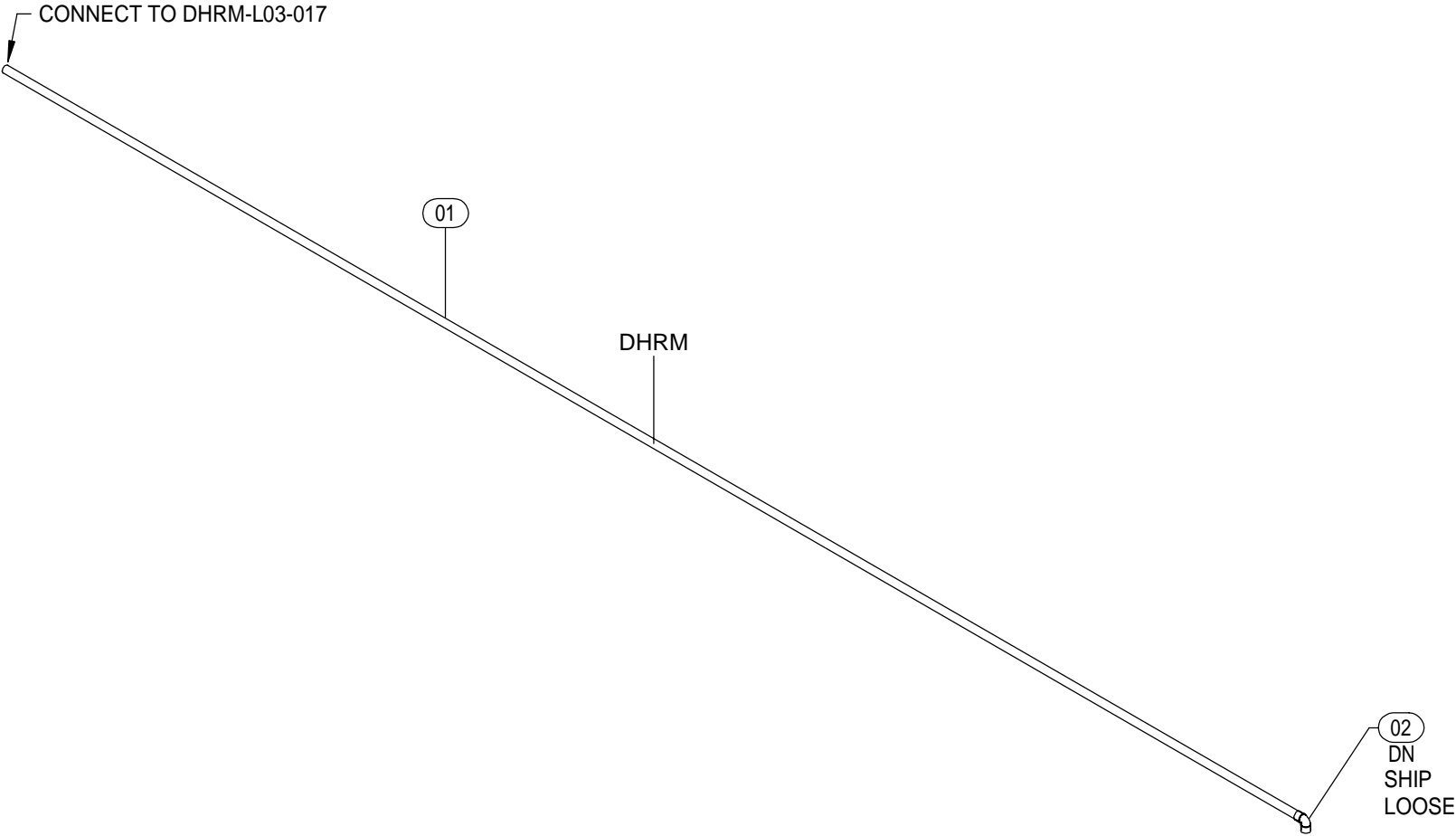
JOB:	WASH U NRB
TICKET:	DCWM-L03-016
Drawn By: Author	
DATE: 08/06/21	DATE REQ:



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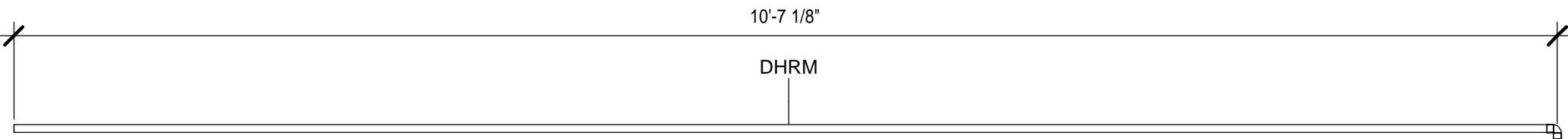
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06-08-2021 12:40:04

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper Pipe	10'-6 13/16"				1"
02	1	1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"



1 ISOMETRIC

SCALE:

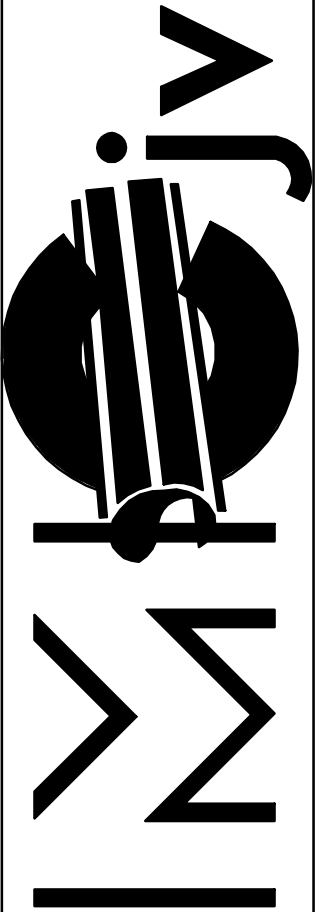


2 FRONT ELEVATION

SCALE: 1" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

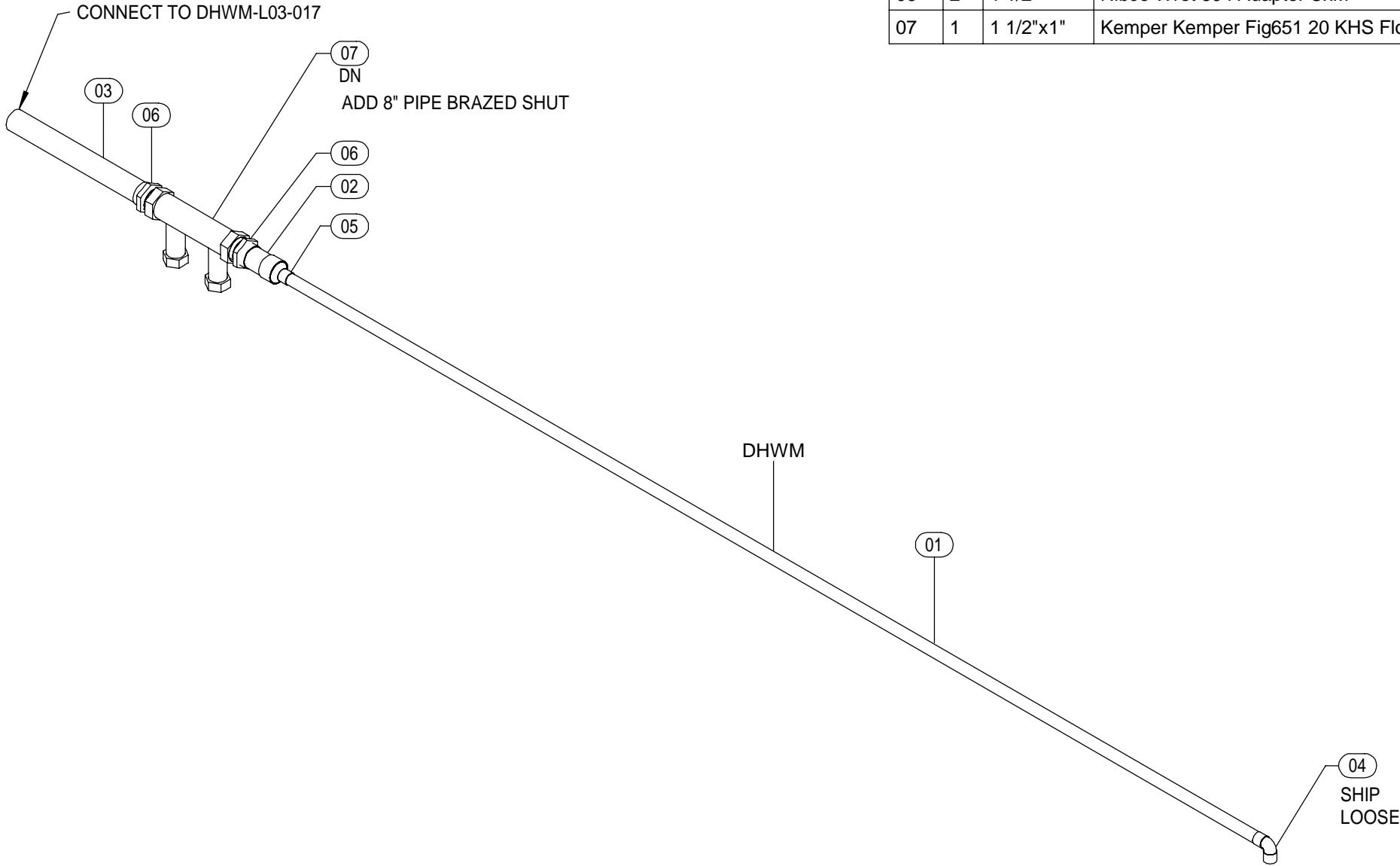
JOB:	WASH U NRB
TICKET:	DHRM-L03-016
Drawn By: Author	
DATE: 08/06/21	DATE REQ:



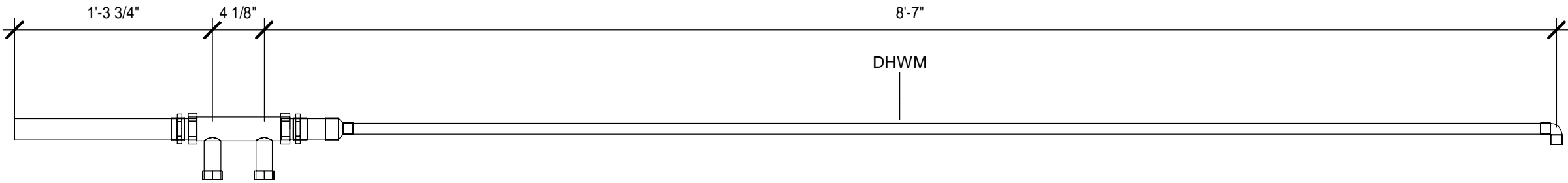
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRB/WUSM\_RB\_PLF.rvt  
06-08-2021 16:11:37

Mark	Qty	Size	Description	Length	Strut Width	Rod 1	Rod 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	8'-0 3/16"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-3 5/8"				2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-1 9/16"				2"
04	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
05	1	1 1/2"x3/4"	Nibco Wrot 600R Red Cplg CxC					2"
06	2	1 1/2"	Nibco Wrot 604 Adapter CxM					2"
07	1	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"



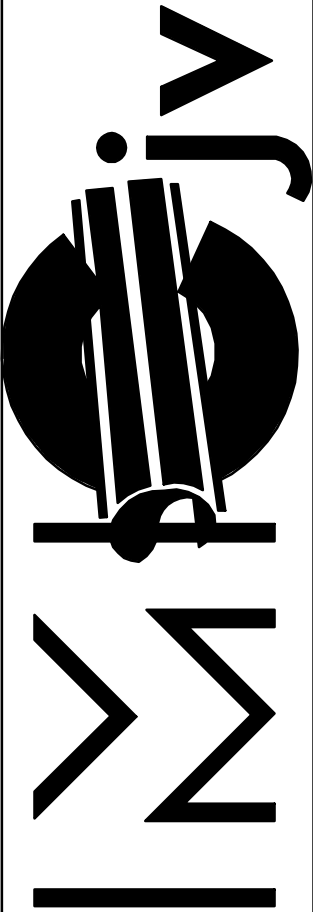
1 ISOMETRIC  
SCALE:



2 FRONT ELEVATION  
SCALE: 1 : 10

A1	A3	B1	B3
A2	A4	B2	B4

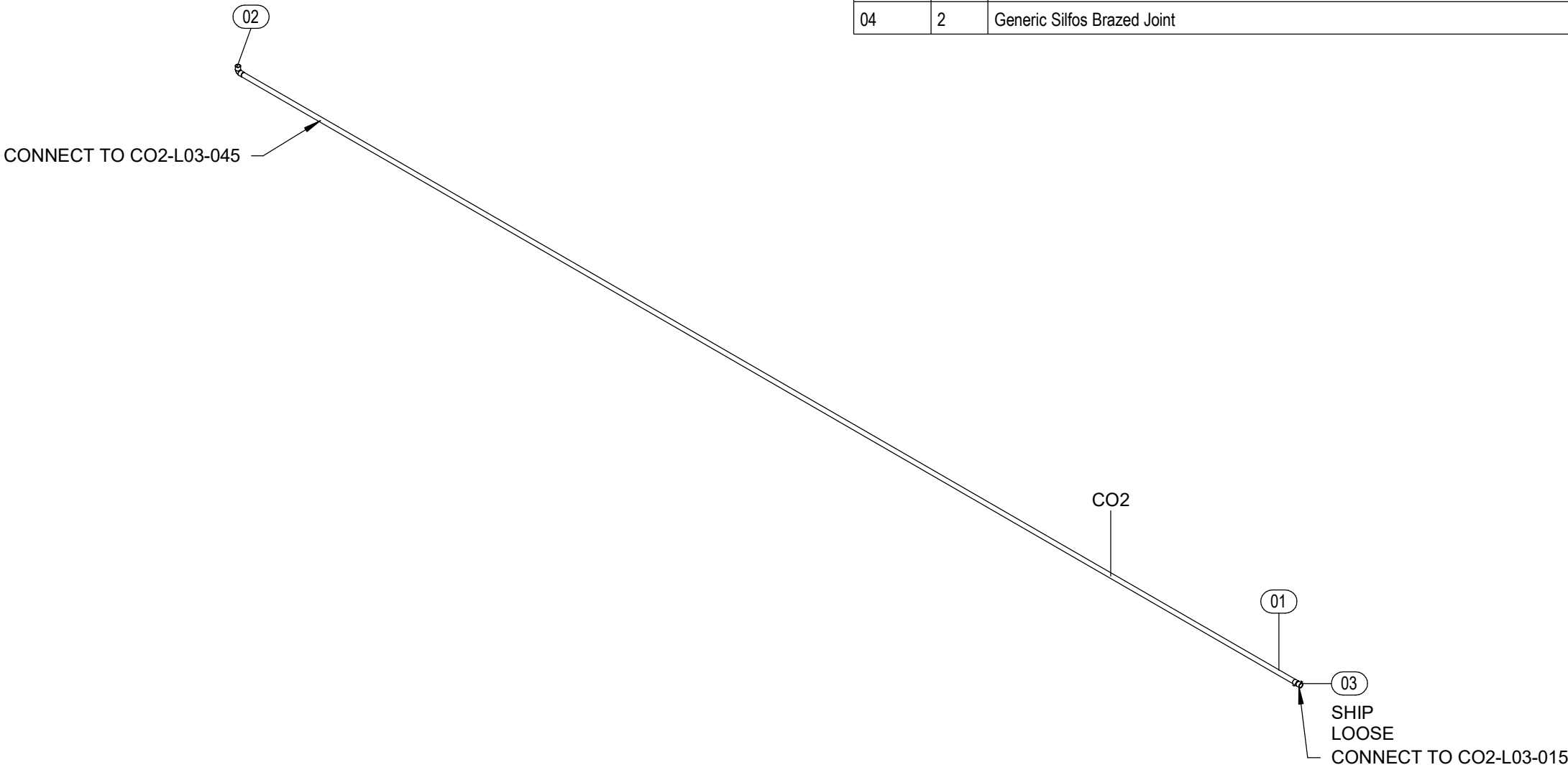
JOB:	WASH U NRB
TICKET:	DHWM-L03-016
Drawn By: Author	
DATE: 08/06/21	DATE REQ:



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St. Louis, Mo 63132-2303  
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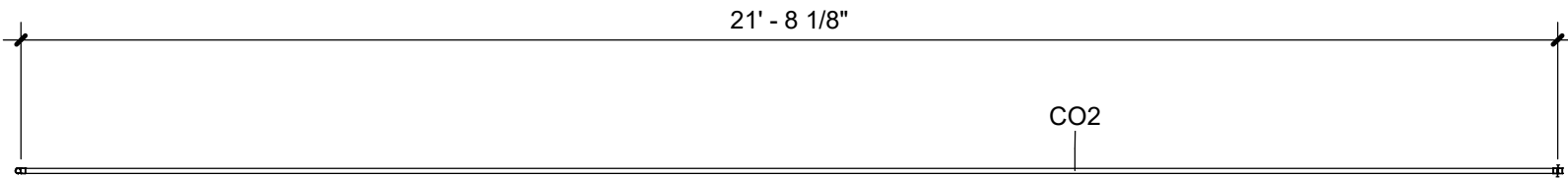
BIM 360://WUSM NRBWUSM\_RB\_PUF.rvt  
12/10/2021 12:08:29 PM

Mark	Qty	Description	Length	Size	Insulation
01	1	Cerro Type L Hard Copper - CFOS	21'-8 1/8"	3/4"	
02	1	Nibco 607-CB CFOS Wrot 90 Elbow		3/4"	
03	1	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		3/4"	
04	2	Generic Silfos Brazed Joint		3/4"	



1 ISOMETRIC

SCALE:

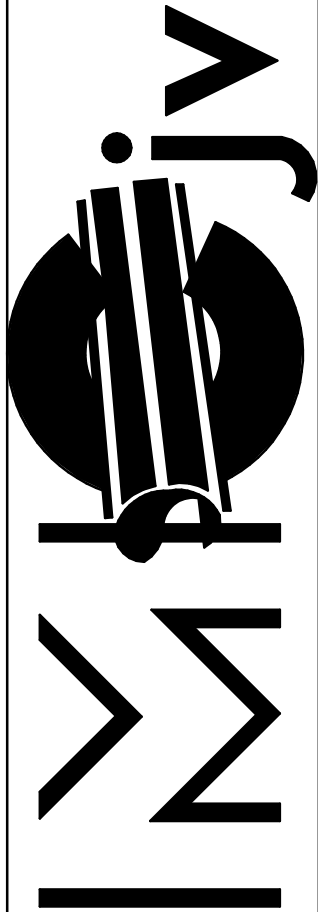


2 TOP VIEW

SCALE: 3/8" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

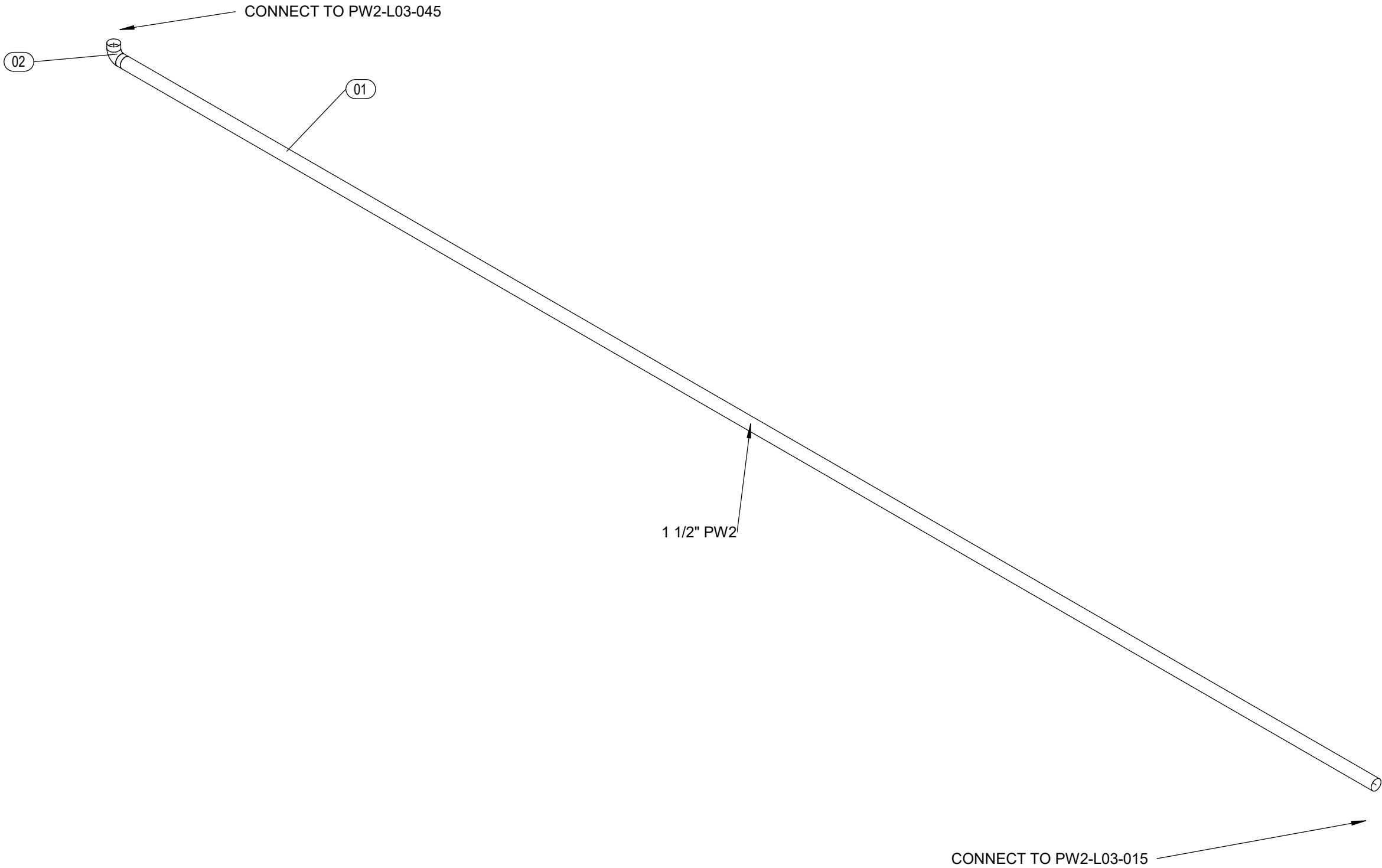
JOB:	WASH U NRB
TICKET:	CO2-L03-016
Drawn By: Author	
DATE: 08/11/21	DATE REQ:



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314-997-6600 phone

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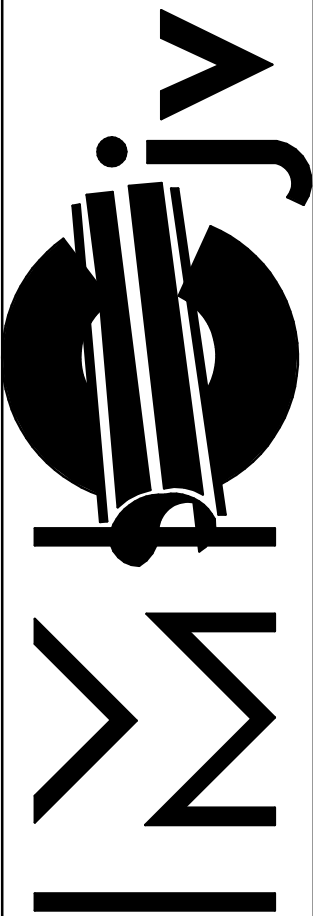
Mark	Qty	Description	Length	Size	Insulation
01	1	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	20'-9 3/4"	1 1/2"	
02	1	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow		1 1/2"	



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW2-L03-016
Drawn By: Author	
DATE: 12/10/21	DATE REQ:



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