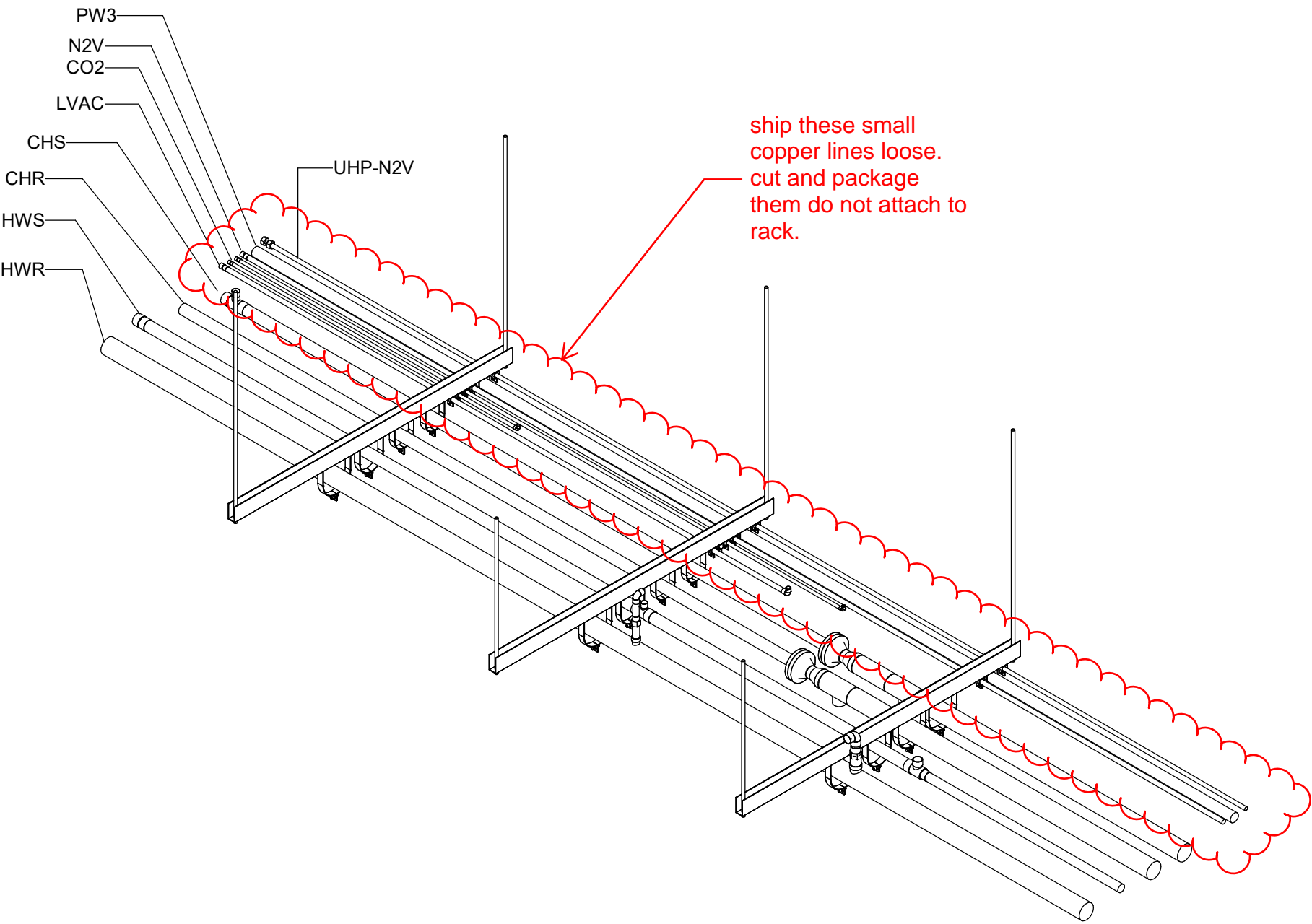
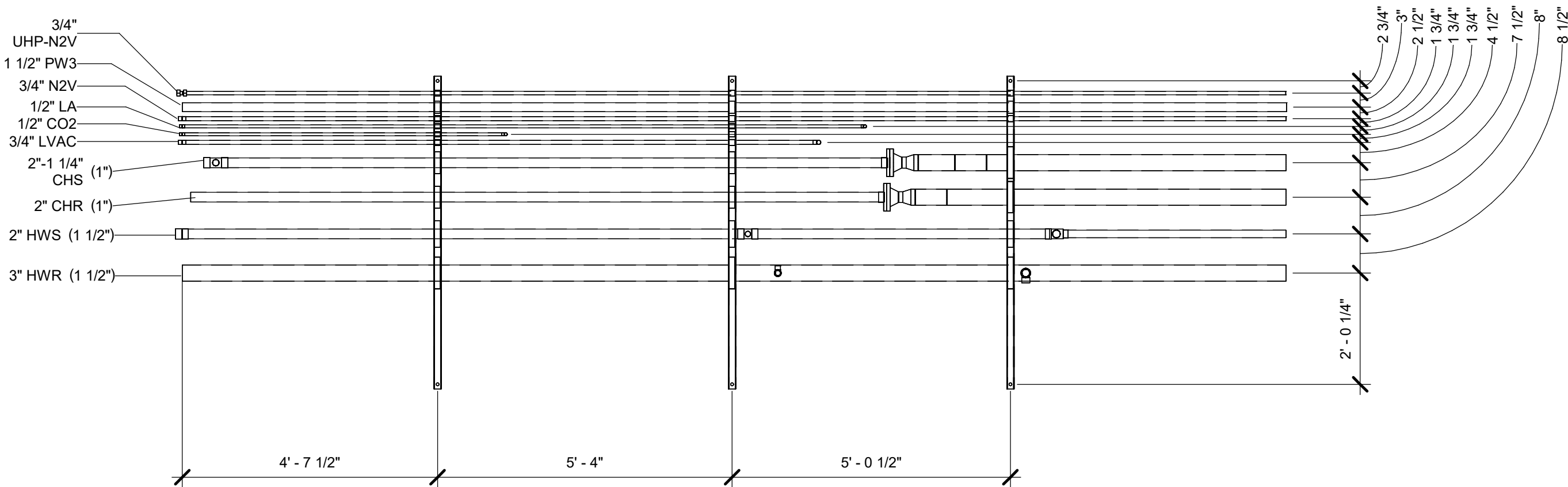


BIM 360//WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
10/29/2021 10:20:47 AM



1 AS-L06-032 - ISOMETRIC
SCALE:



2 AS-L06-032
SCALE: 1/2" = 1'-0"

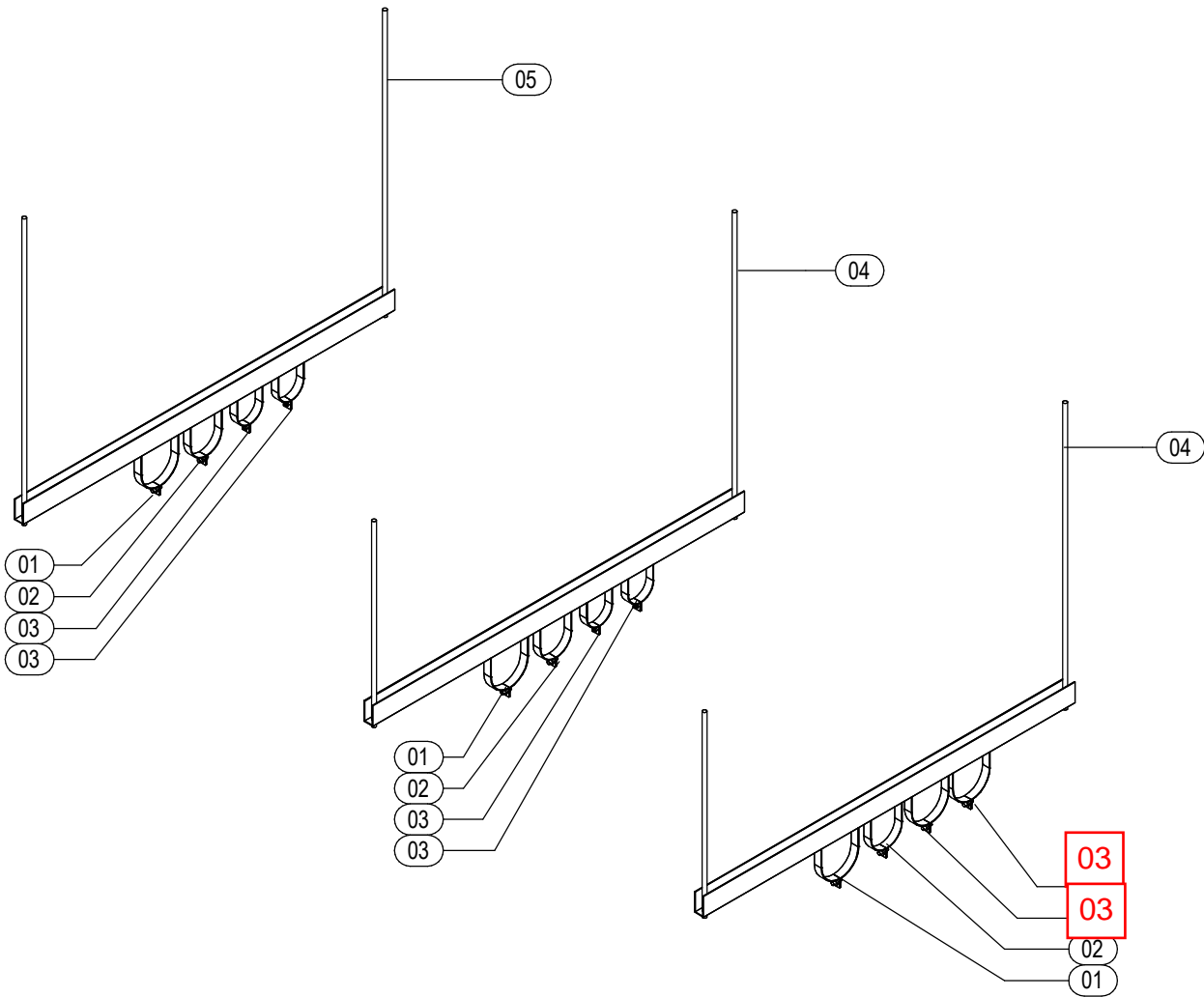
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: AS-L06-032
Drawn By: Author
DATE: 10/27/21 DATE REQ:



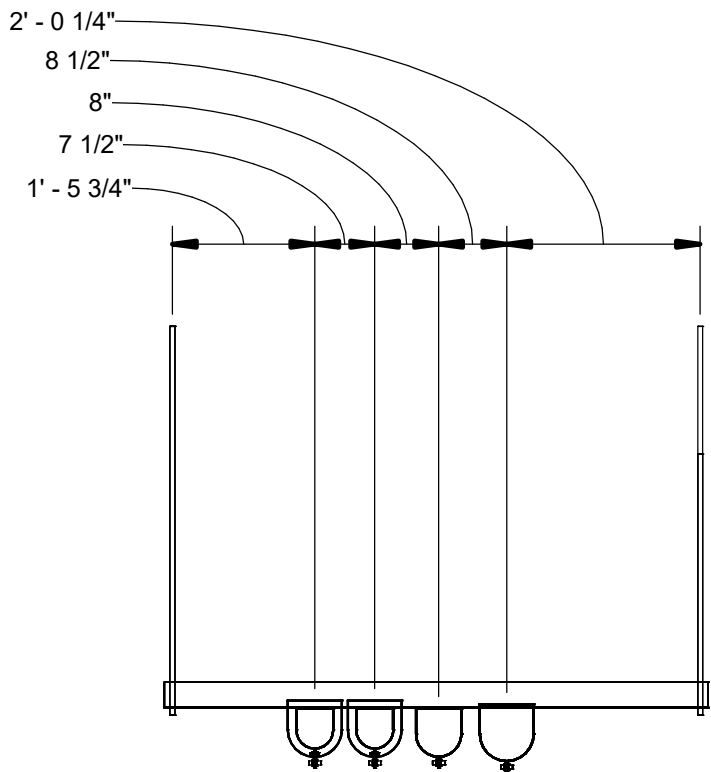
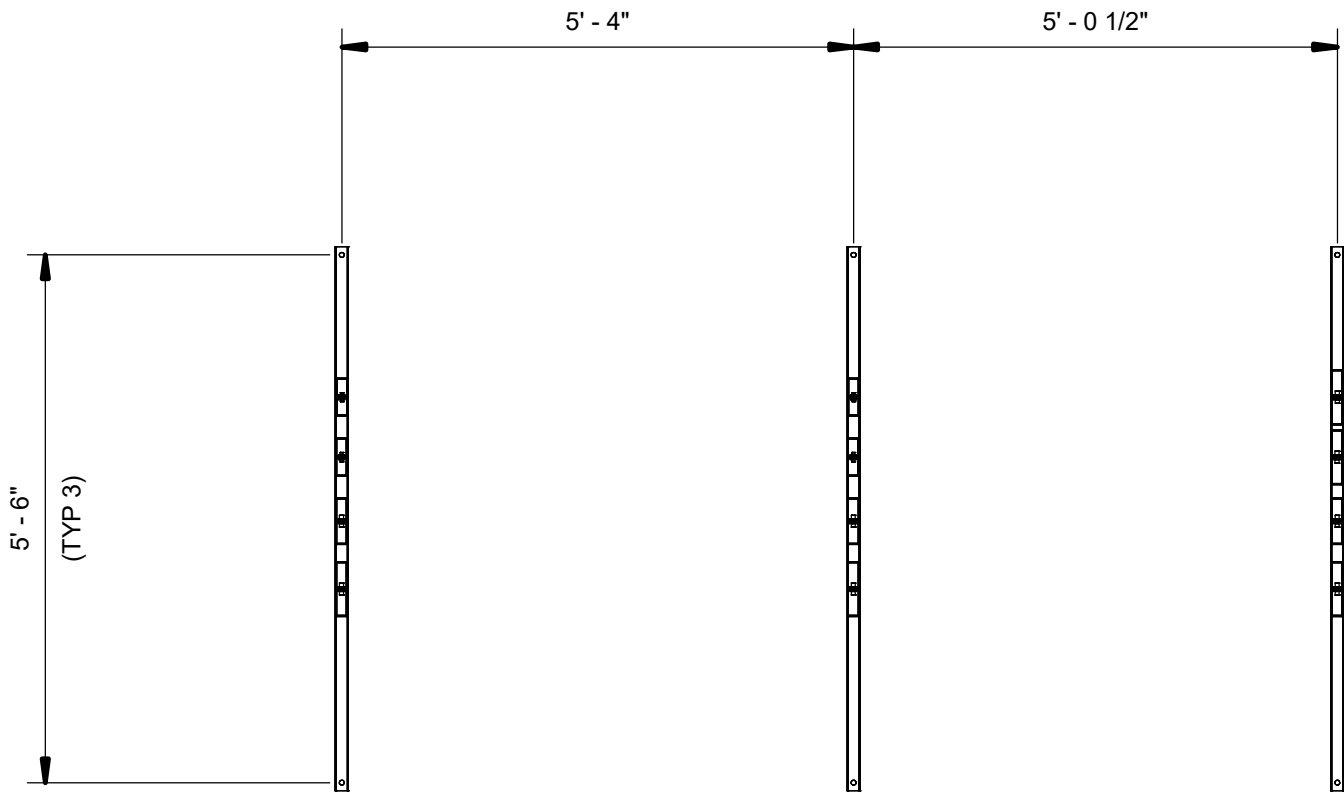
1233 N. Price Rd.
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10/13/2021 3:32:18 PM



Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	6	6"	B-Line B2000 ZN-Clk 40 Pipe Clamp					
02	2	5"	B-Line B2000 ZN-Clk 40 Pipe Clamp					
03	4	4"	B-Line B2000 ZN-Clk 40 Pipe Clamp					
04	2	64"	B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut		5' - 8"	2' - 8 5/8"	4' - 0 5/8"	
05	1	64"	B-Line 1-5/8 GRN 12GA Bk/Bk 2in Slotted Unistrut		5' - 8"	4' - 0 5/8"	4' - 0 5/8"	
01	3	6 5/8"	B-LINE #2020					
02	3	5 1/8"	B-LINE #2062					
03	6	4 1/8"	B-LINE #2054					

1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

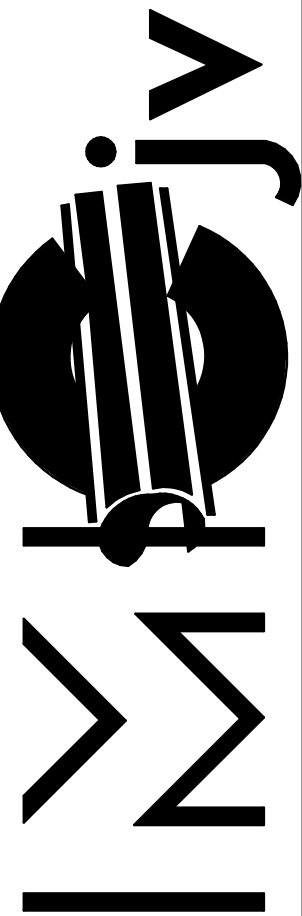
2 TOP VIEW
SCALE: 1/2" = 1'-0"

JOB: WASH U NRB

TICKET: HPHGR-L06-032

Drawn By: Author

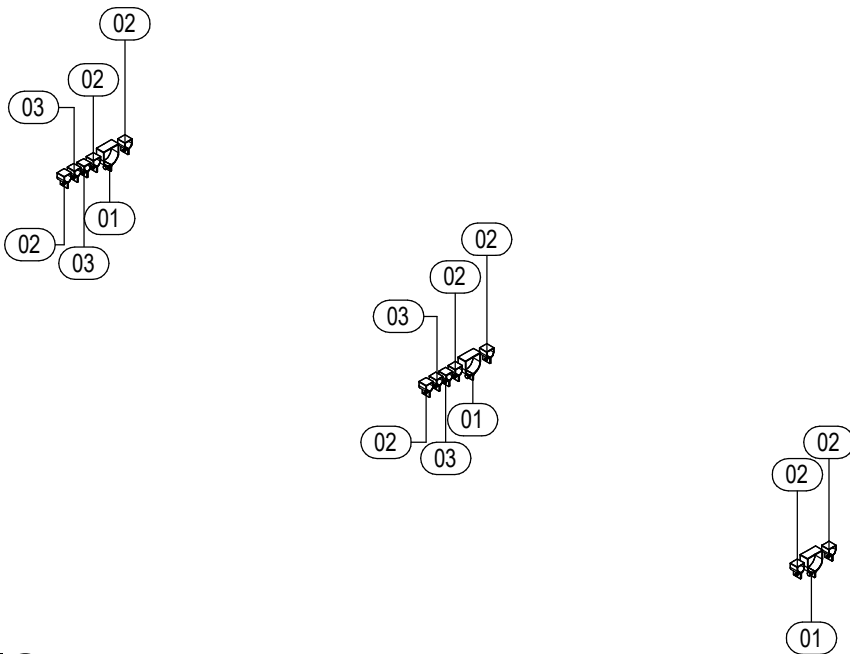
DATE: 10/10/21 DATE REQ:



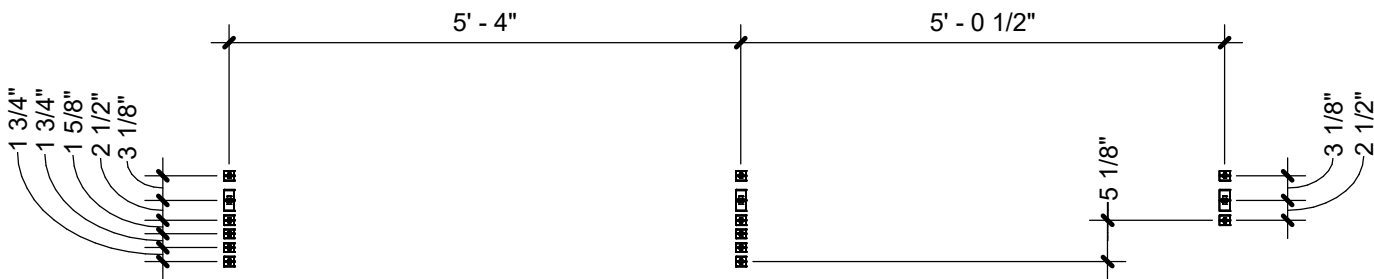
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10/29/2021 10:22:29 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	3	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
02	8	7/8"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
03	4	5/8"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN					
02	8	7/8"	B-LINE #BVT087					
03	4	5/8"	B-LINE #BVT062					



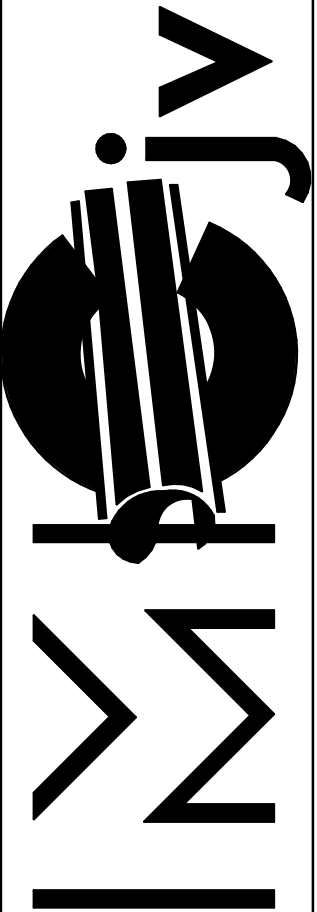
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

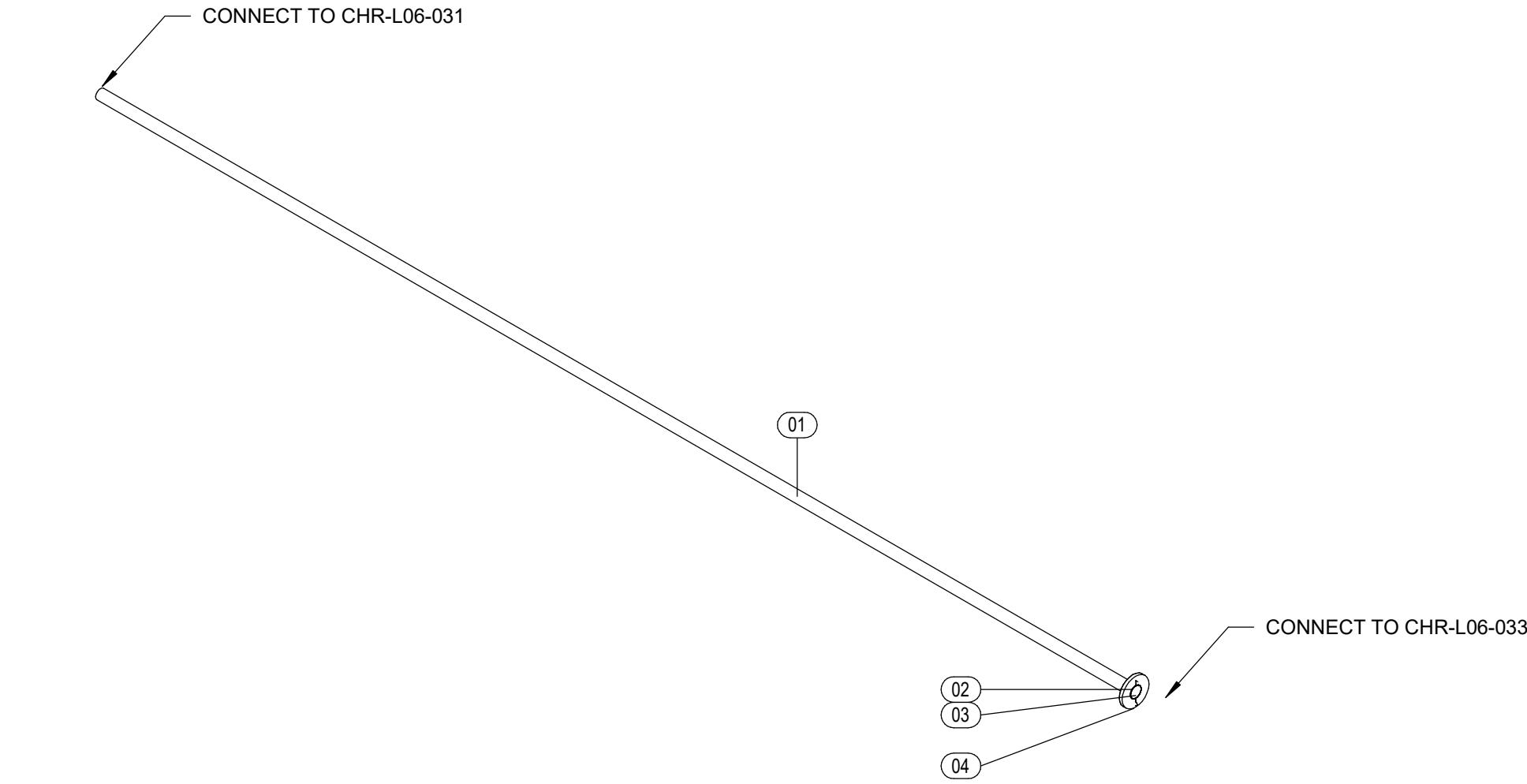
JOB:	WASH U NRB
TICKET:	PUHGR-L06-032
Drawn By: Author	
DATE: 10/26/21	DATE REQ:



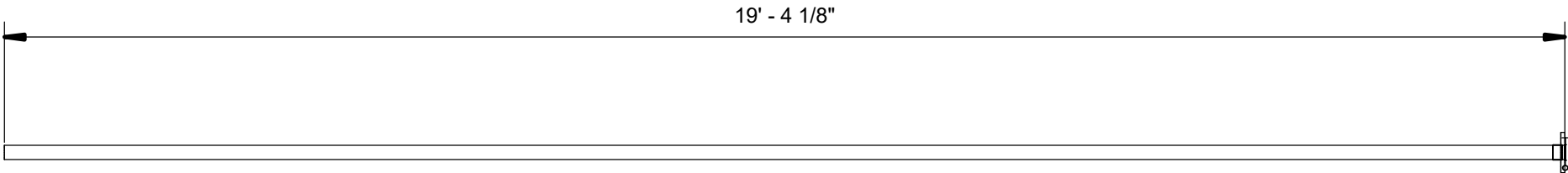
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
12/16/2021 8:23:25 AM

Mark	Qty	Description	Length	Size	Insulation
01	1	Cerro Type K Hard Copper Pipe	19'-3 11/16"	2"	1"
02	1	Nibco 150lb 672 2pc LF Compainion Flange		2"	1"
03	1	Generic 150# RF Garlock Gasket 1/16 Thick		2"	1"
04	1	Generic 150# CS Flange Bolt Set		2"	



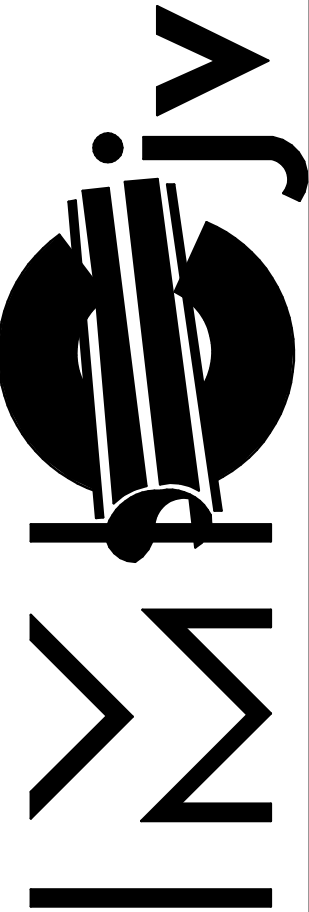
1 ISOMETRIC



2 LEFT ELEVATION
SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

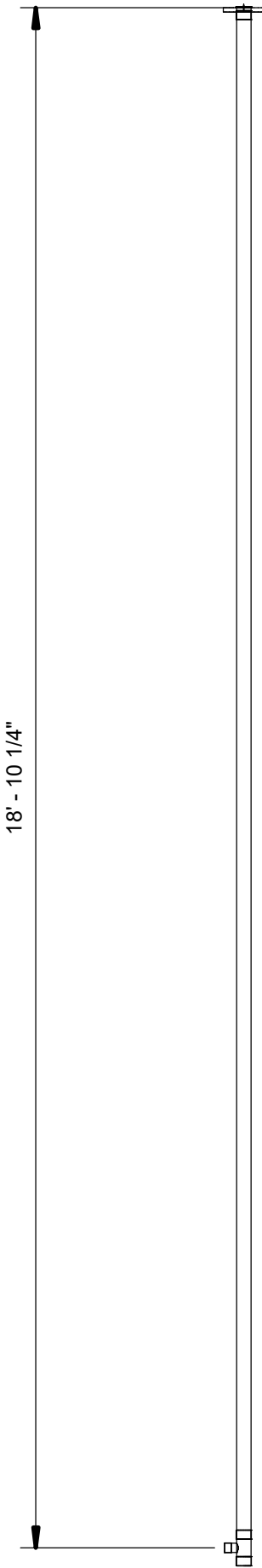
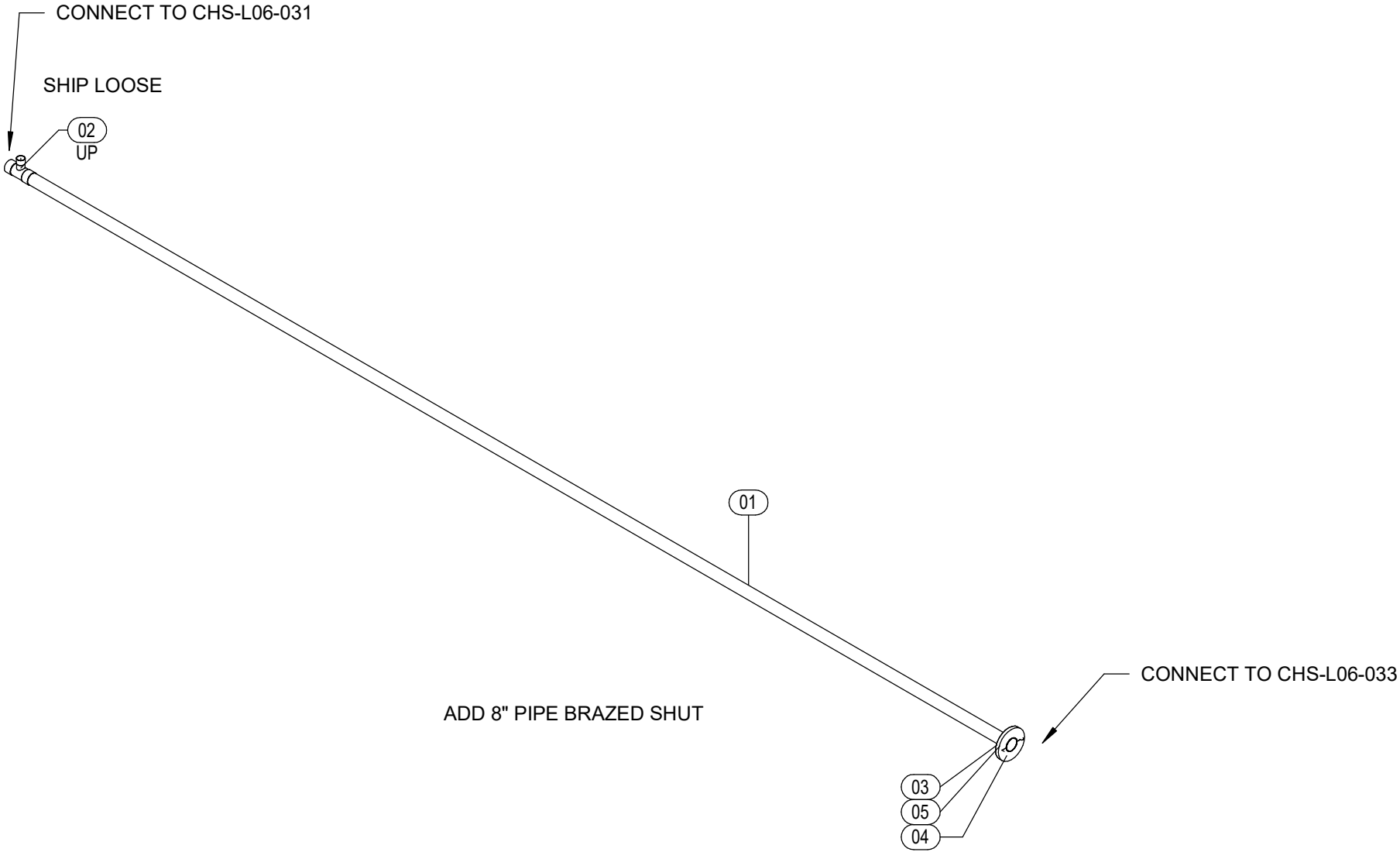
JOB:	WASH U NRB
TICKET:	CHR-L06-032
Drawn By: Author	
DATE: 10/21/21	DATE REQ:



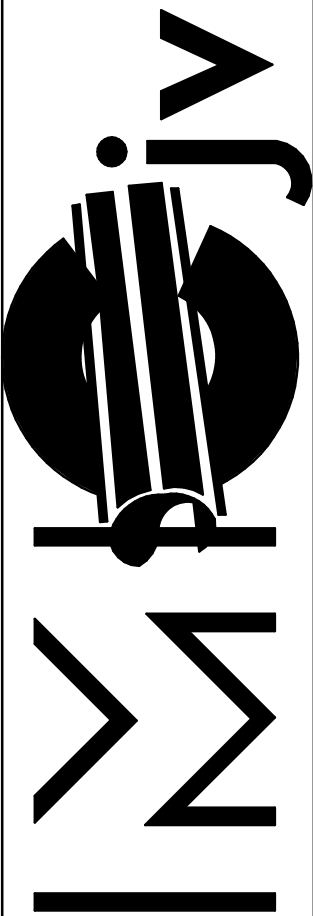
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
12/6/2021 8:27:28 AM

Mark	Qty	Description	Length	Size	Insulation
01	1	Cerro Type K Hard Copper Pipe	18'-8 9/16"	2"	1"
02	1	Nibco Wrot 611R CxCxC Reducing Tee		2"x1 1/4"	1"
03	1	Nibco 150lb 672 2pc LF Compainion Flange		2"	1"
04	1	Generic 150# RF Garlock Gasket 1/16 Thick		2"	1"
05	1	Generic 150# CS Flange Bolt Set		2"	



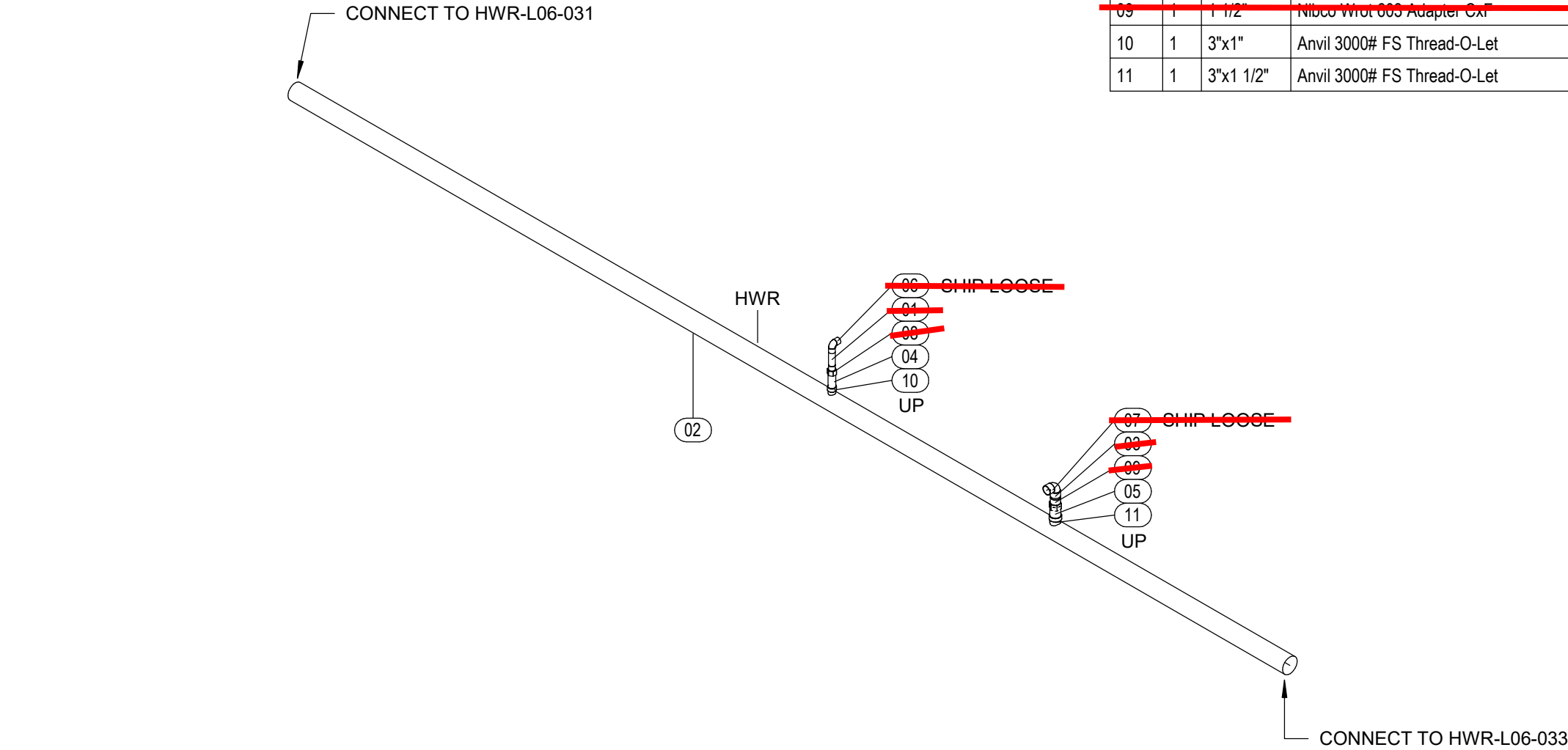
JOB: WASH U NRB
TICKET: CHS-L06-032
Drawn By: Author
DATE: 10/21/21 DATE REQ:



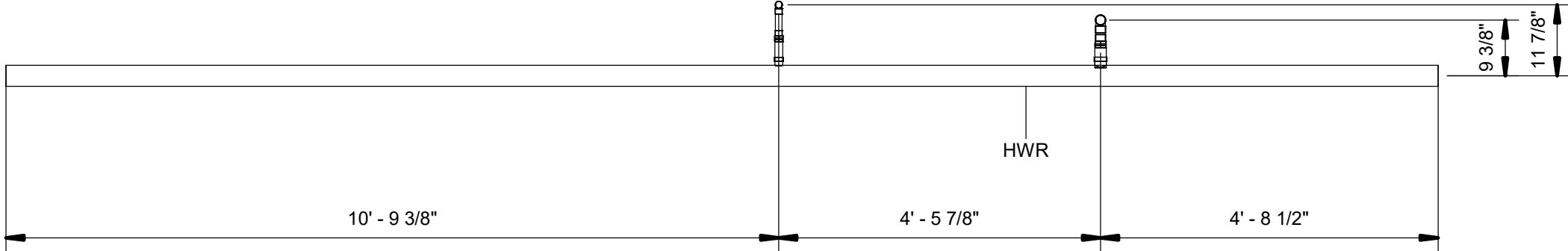
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10/28/2021 8:31:35 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1"	Geno Type K Hard Copper Pipe	8'-4 3/16"				1"
02	1	3"	Chicago Area Sch 40 SA-53B CS ERW Pipe PE	19'-11 7/8"				1 1/2"
03	1	1 1/2"	Geno Type K Hard Copper Pipe	0'-2 1/2"				1 1/2"
04	1	1"	Victaulic No.647 TT Dielectric Transition Fitting					1"
05	1	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					1 1/2"
06	1	1"	Nibco Wrot 607-00 Dog Ell CxG					1"
07	1	1 1/2"	Nibco Wrot 607-00 Dog Ell CxG					1 1/2"
08	1	1"	Nibco Wrot 600 Adapter CxF					1"
09	1	1 1/2"	Nibco Wrot 600 Adapter CxF					1 1/2"
10	1	3"x1"	Anvil 3000# FS Thread-O-Let					1"
11	1	3"x1 1/2"	Anvil 3000# FS Thread-O-Let					1 1/2"



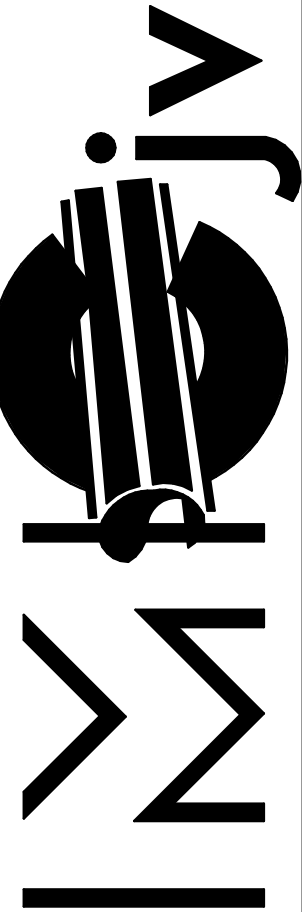
1 ISOMETRIC



2 FRONT VIEW

A1	A3	B1	B3
A2	A4	B2	B4

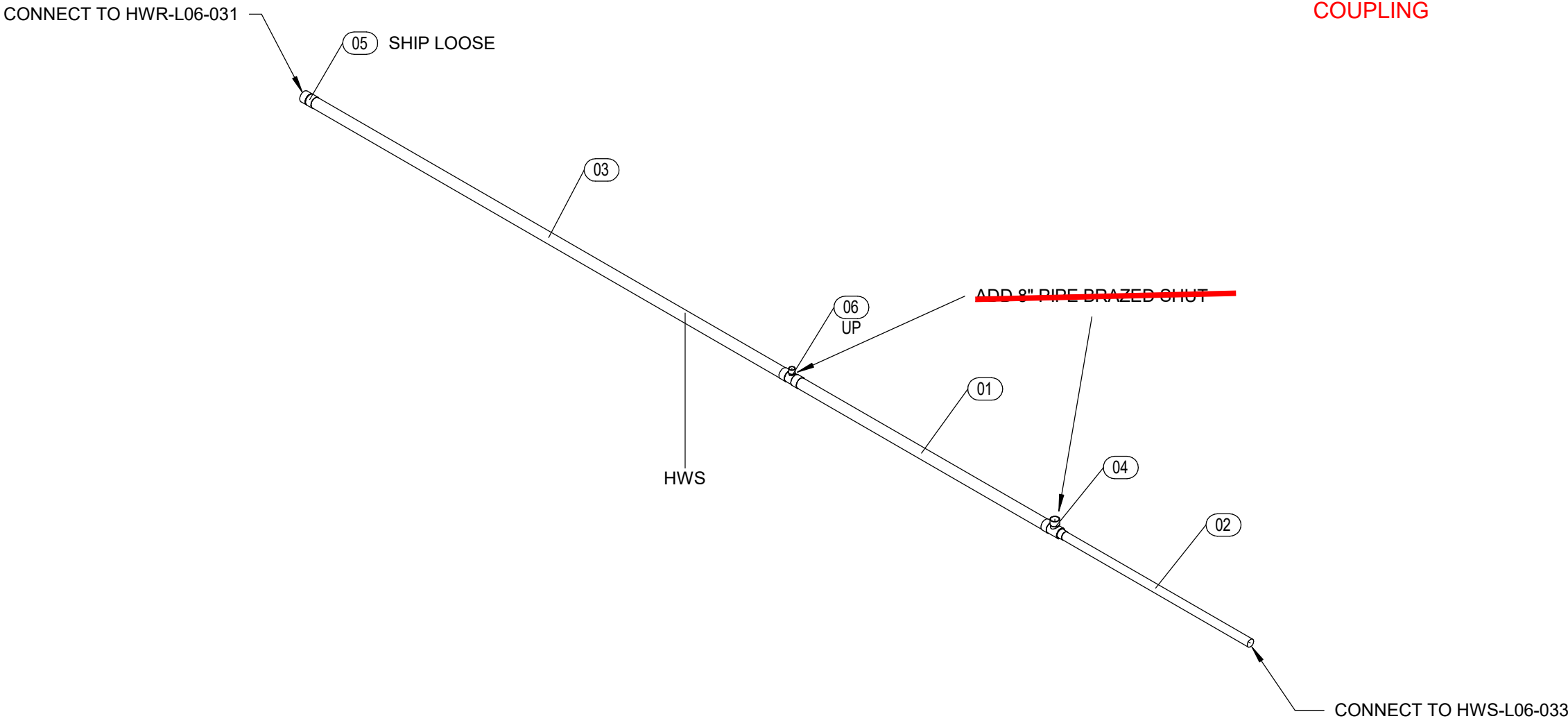
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TICKET: HWR-L06-032
Drawn By: Author
DATE: 10/28/21
DATE REQ:



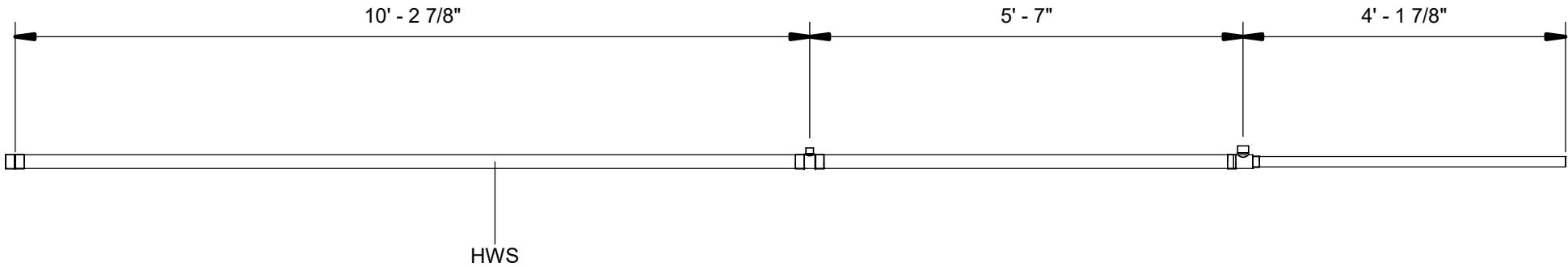
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
10/28/2021 8:30:00 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	5'-5 1/16"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	4'-0 7/16"				1 1/2"
03	1	2"	Cerro Type K Hard Copper Pipe	10'-2 7/16"				1 1/2"
04	1	2"x1 1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
05	1	2"	Nibco Wrot 600 Dimpled Slip Coupling CxC					1 1/2"
06	1	2"x1"x2"	Elkhart 111 Wrot Reducing Tee					1 1/2"



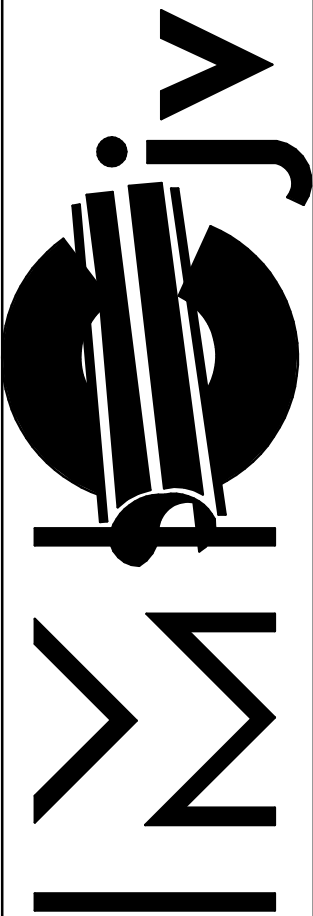
1 ISOMETRIC



3 FRONT VIEW

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: HWS-L06-032
Drawn By: Author
DATE: 10/10/21 DATE REQ:

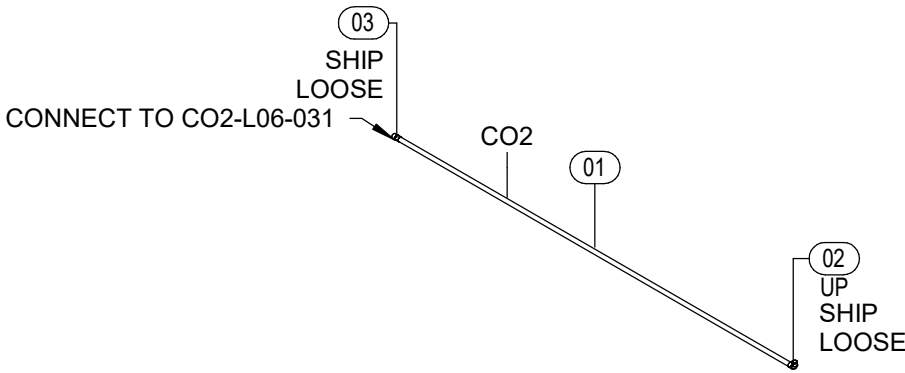


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10/29/2021 10:25:45 AM

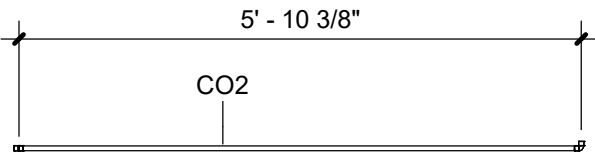
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper - CFOS	5'-9 15/16"				
02	1	1/2"	Nibco 607-CB CFOS Wrot 90 Elbow					
03	1	1/2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Slaked Stop					

USE SLIP
COUPLING



1 ISOMETRIC

SCALE:



2 FRONT ELEVATION

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

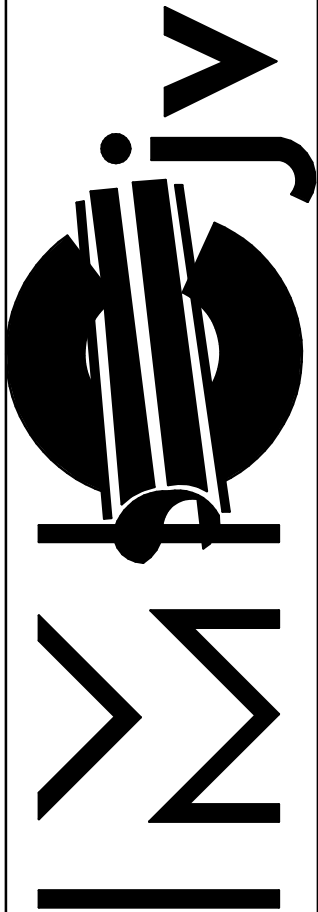
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: CO2-L06-032

Drawn By: Author

DATE: 10/26/21 DATE REQ:

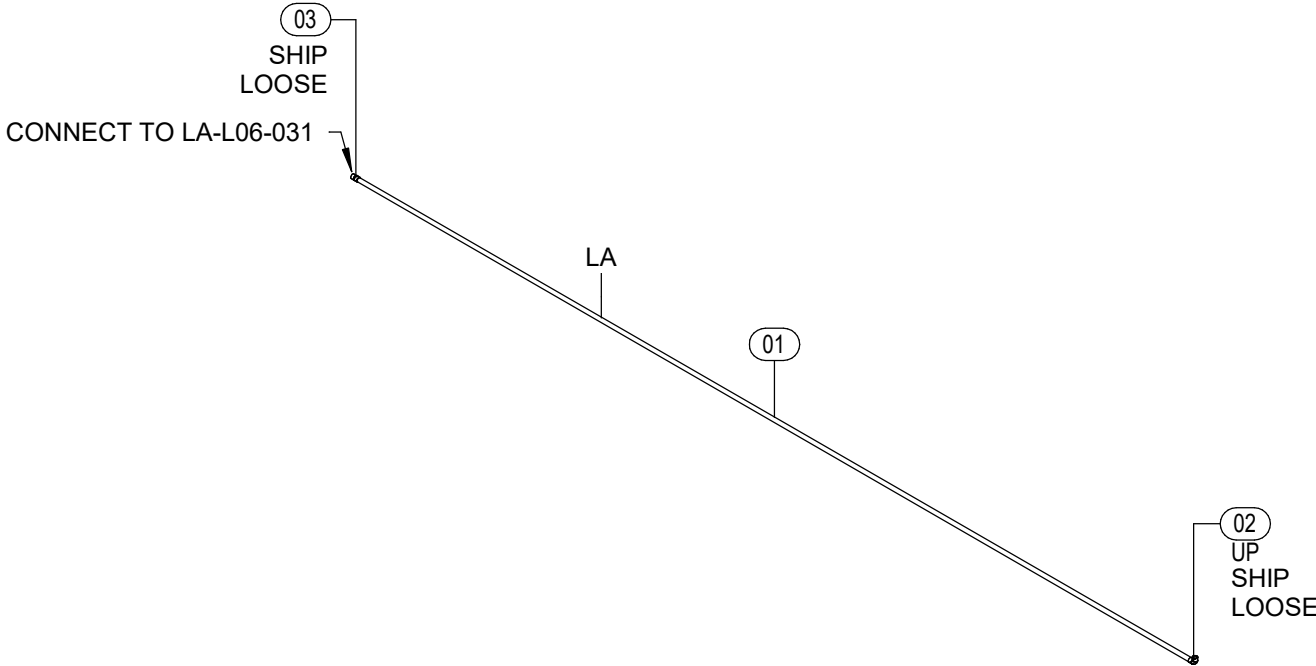


1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
10/29/2021 10:26:44 AM

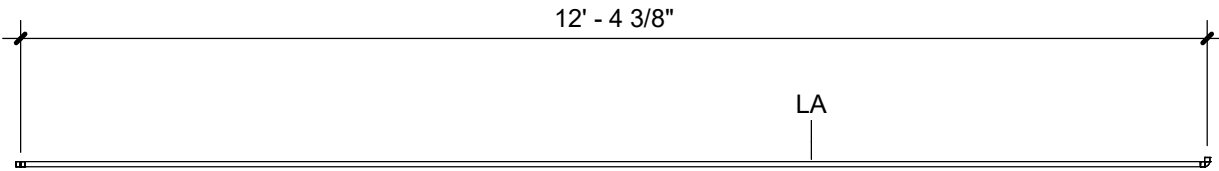
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper - CFOS	12'-4 1/16"				
02	1	1/2"	Nibco 607-CB CFOS Wrot 90 Elbow					
03	1	1/2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					

USE SLIP
COUPLING



1 ISOMETRIC

SCALE:

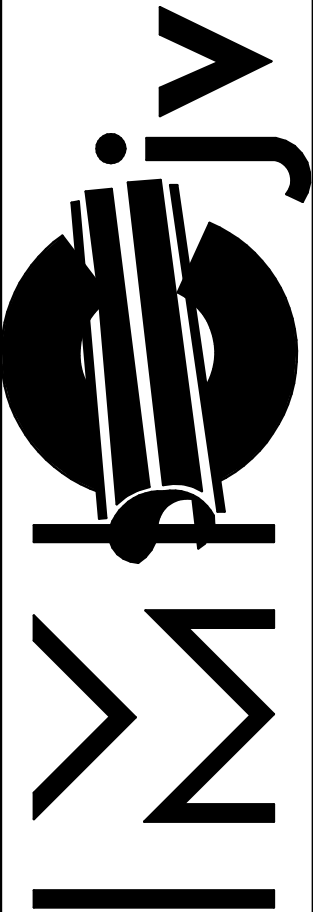


2 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: LA-L06-032
Drawn By: Author
DATE: 10/26/21
DATE REQ:

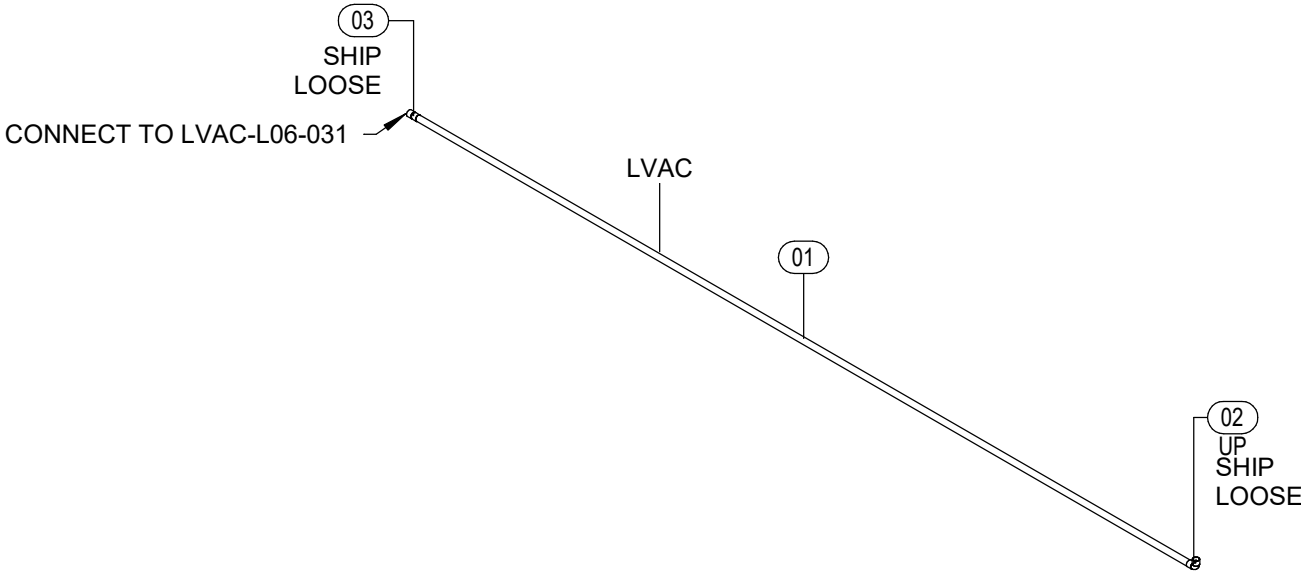


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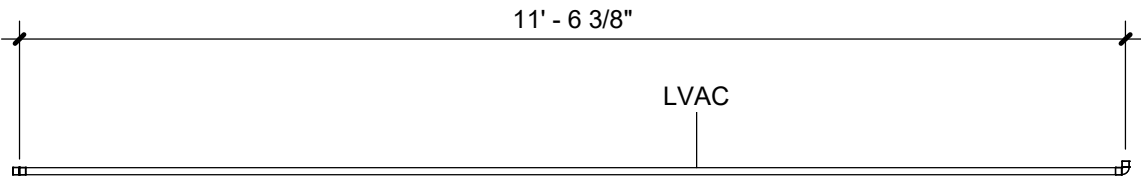
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	11'-5 13/16"				
02	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
03	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling <u>Slaked</u> Stop					

USE SLIP
COUPLING



1 ISOMETRIC

SCALE:

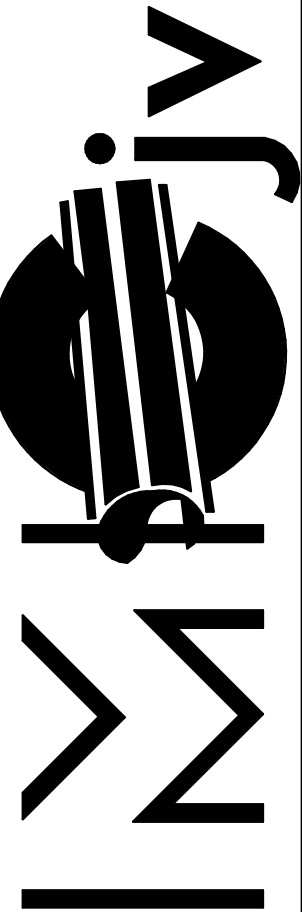


2 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	LVAC-L06-032
Drawn By:	Author
DATE:	10/26/21
DATE REQ:	

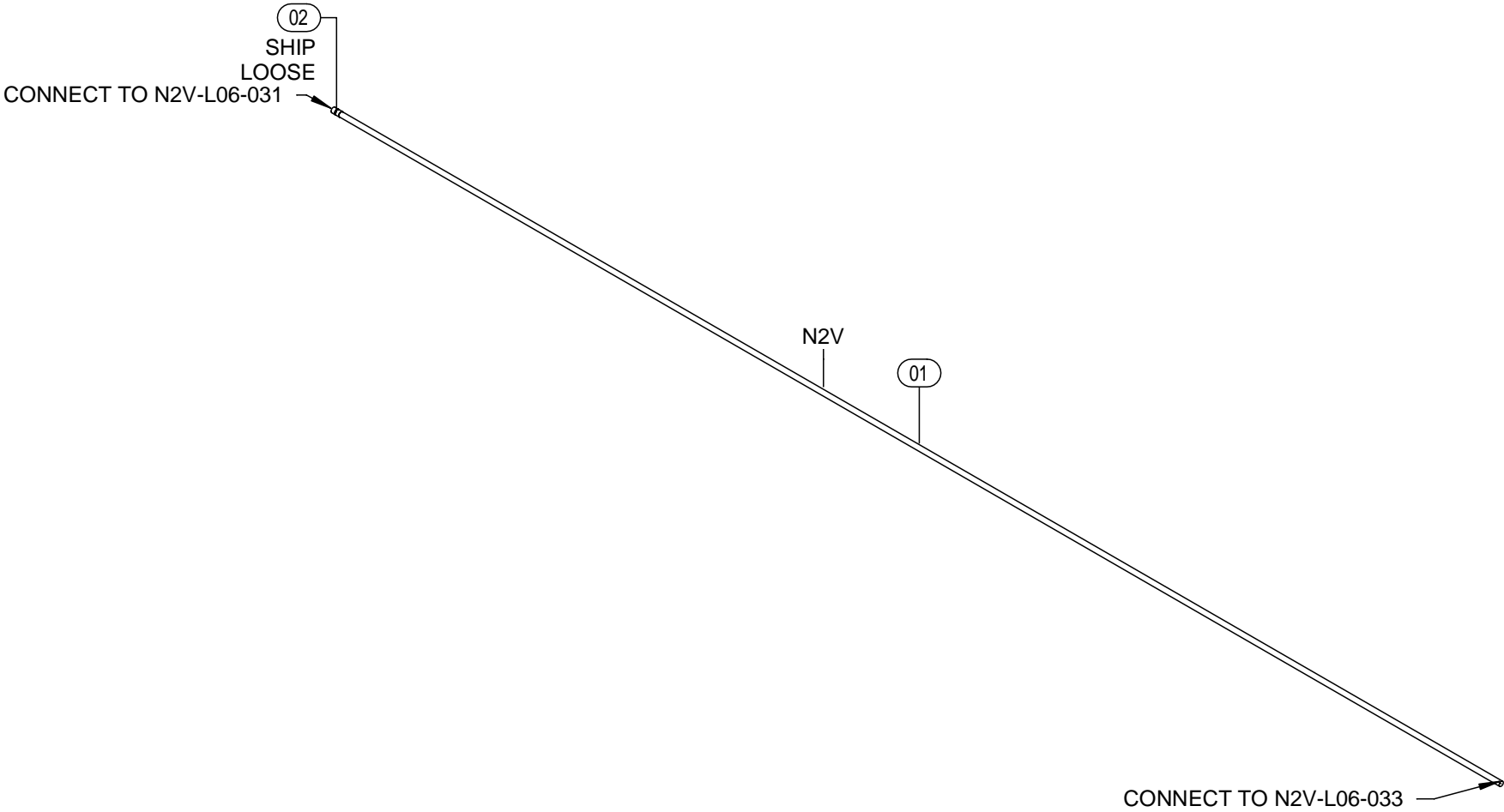


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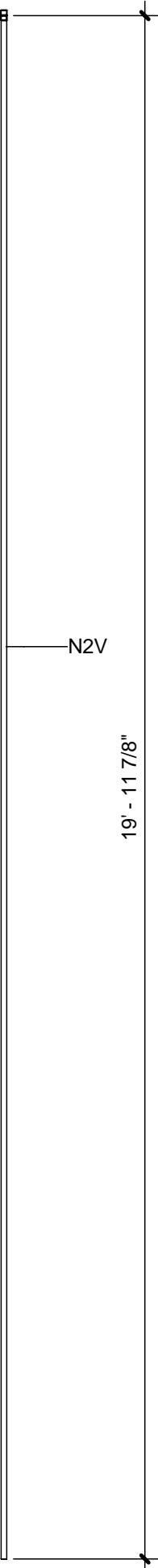
BIM 360/WUSM NRBWUSM_RB_PUF.rvt
26-10-2021 11:32:12

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	19'-11 7/8"				
02	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Slaked Stop					

USE SLIP
COUPLING



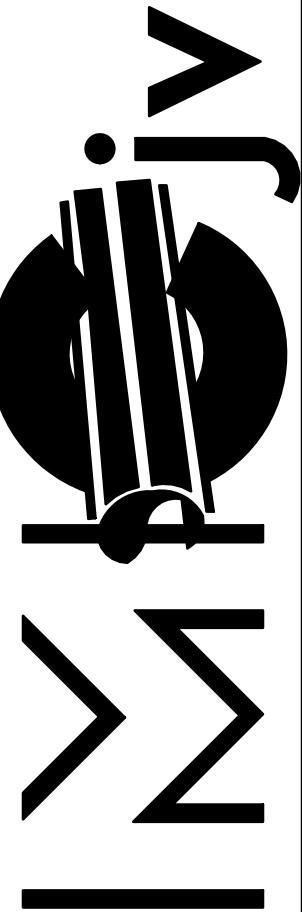
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

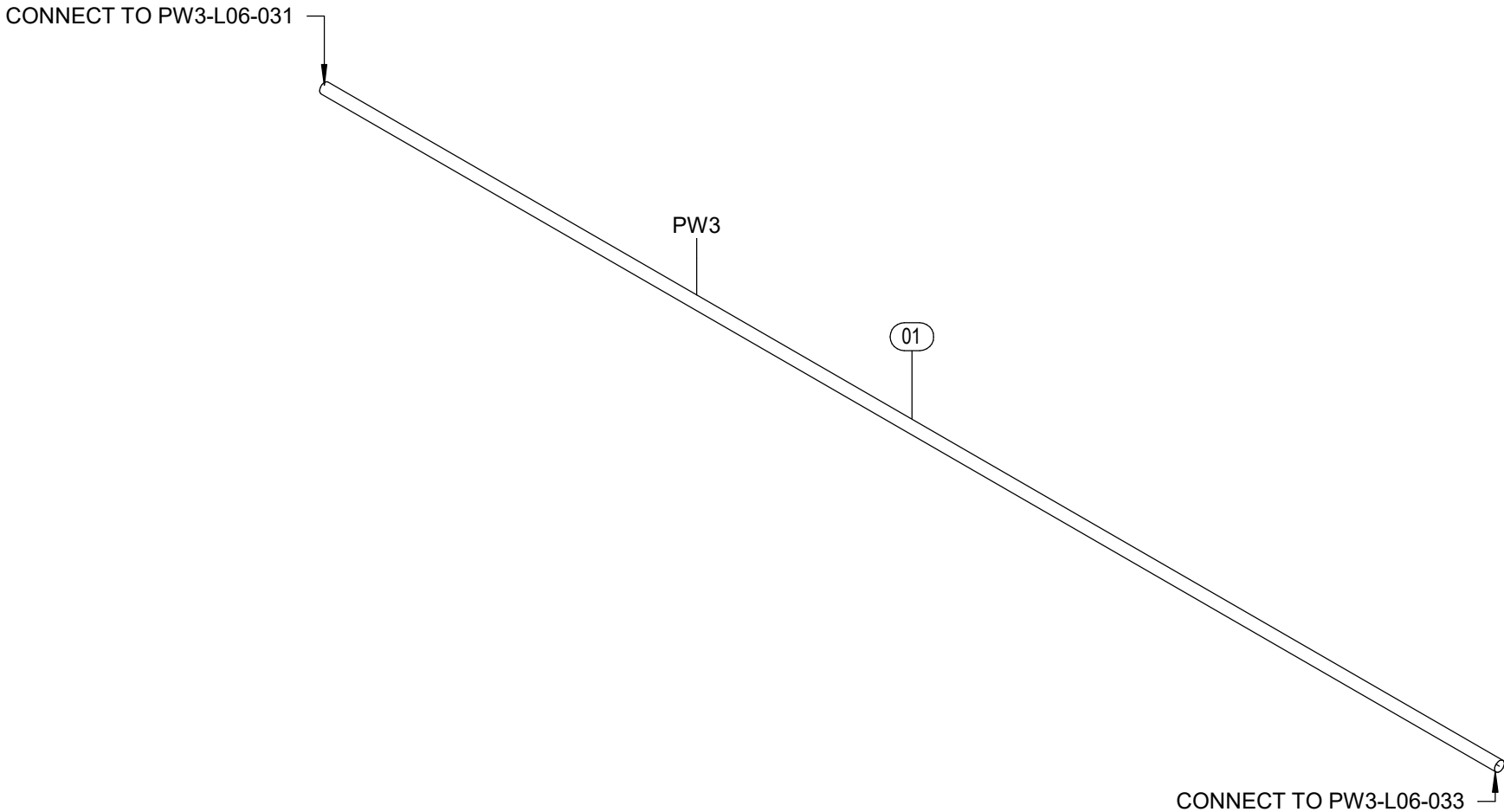
JOB: WASH U NRB
TICKET: N2V-L06-032
Drawn By: Author
DATE: 10/26/21 DATE REQ:



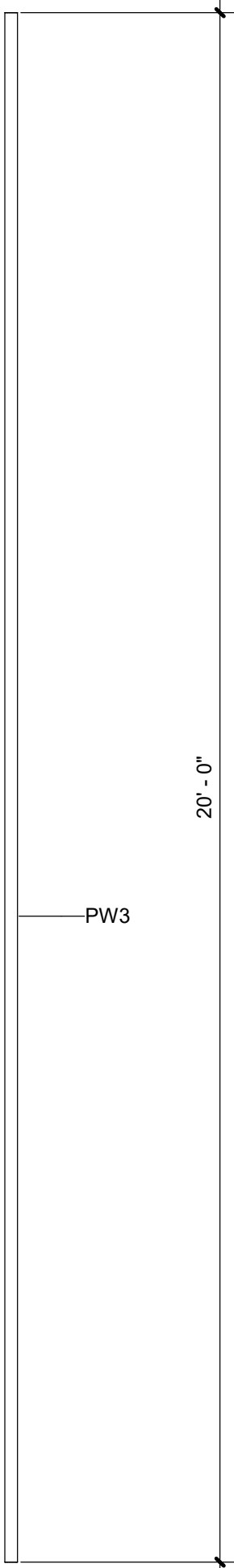
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BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
10/29/2021 10:28:21 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	20'-0"				



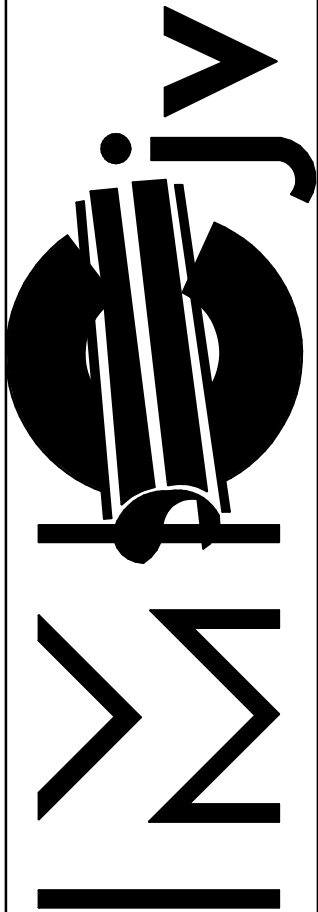
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

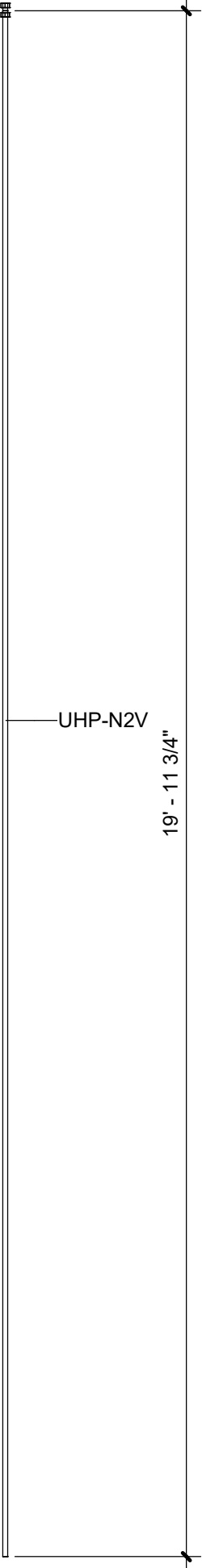
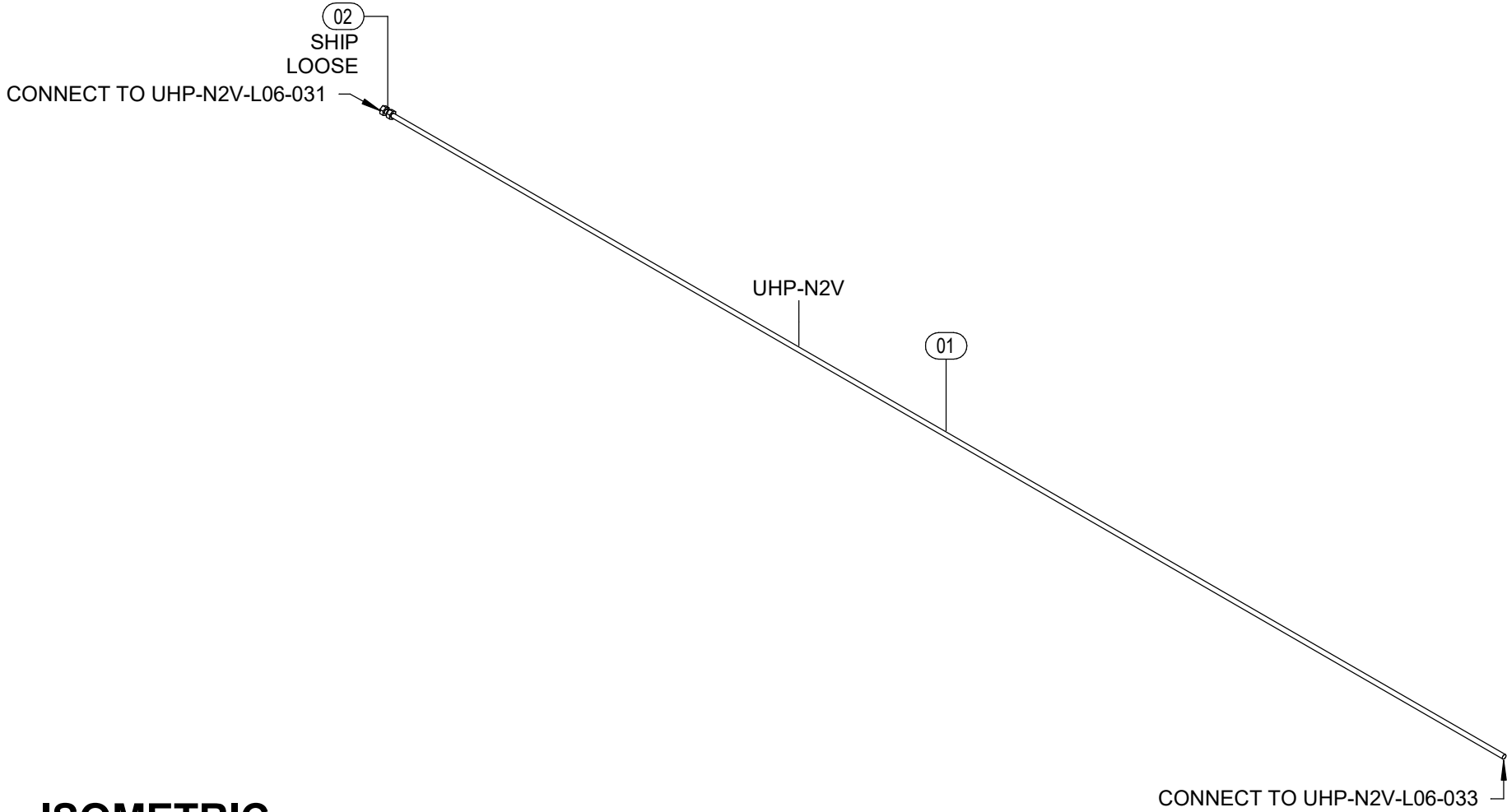
JOB:	WASH U NRB
TICKET:	PW3-L06-032
Drawn By: Author	
DATE: 10/26/21	DATE REQ:



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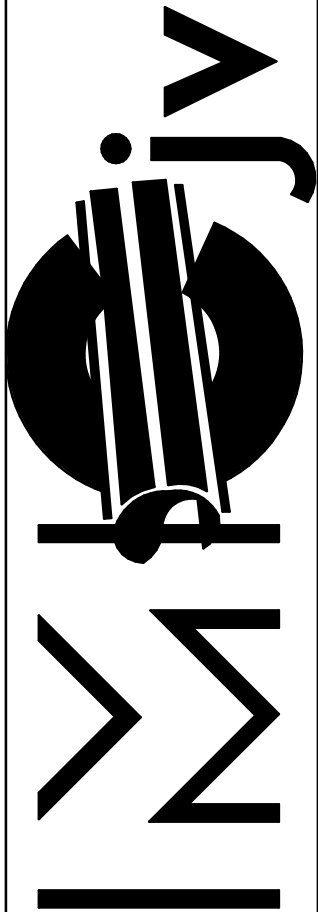
BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
10/29/2021 10:29:05 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Swagelok SS316L 065 Wall Compression Seamless Tubing	19'-11 13/16"				
02	1	3/4"	Swagelok SS316 Compression Union Coupling					



A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	UHP-N2V-L06-032
Drawn By: Author	
DATE: 10/26/21	DATE REQ:



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