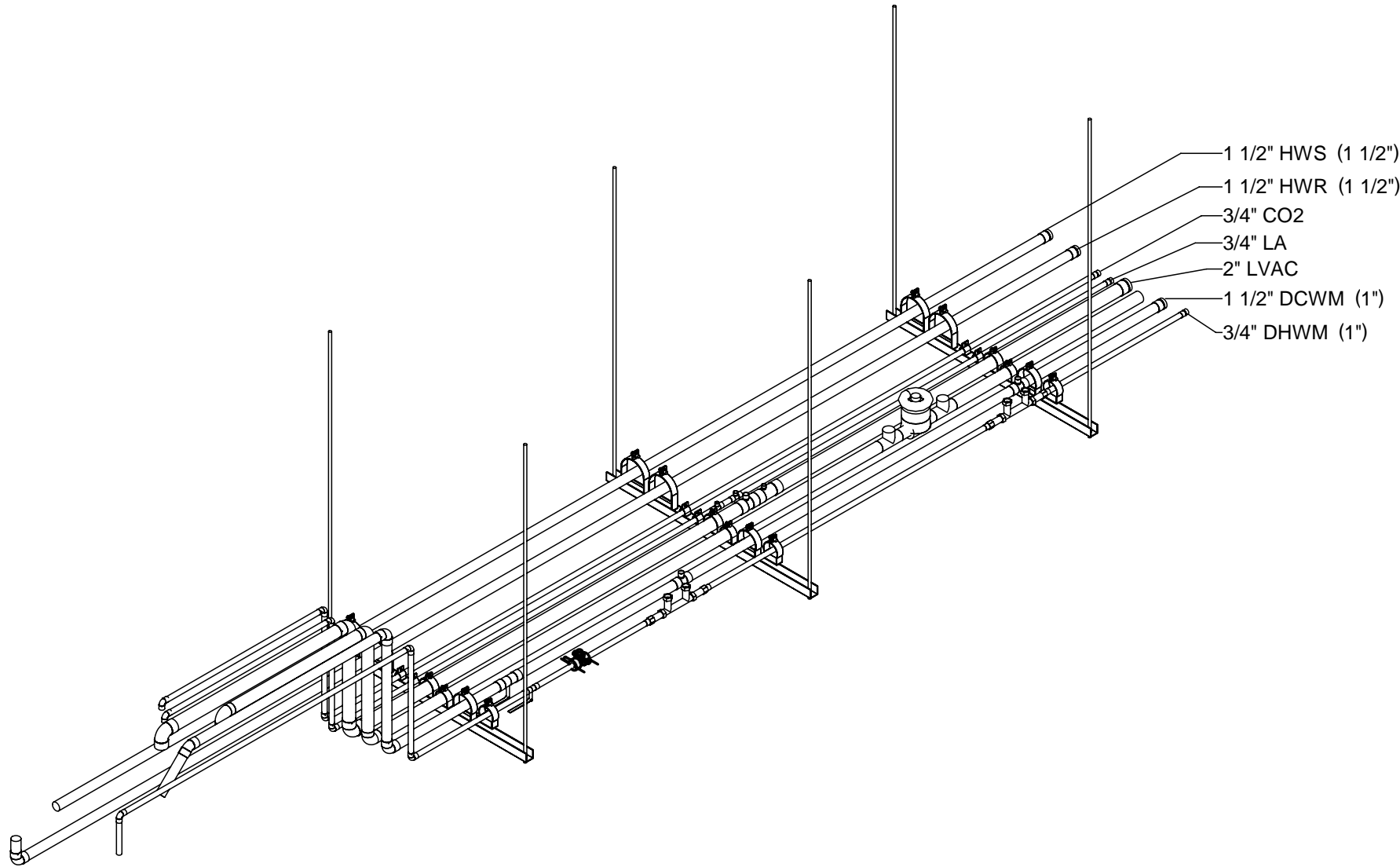
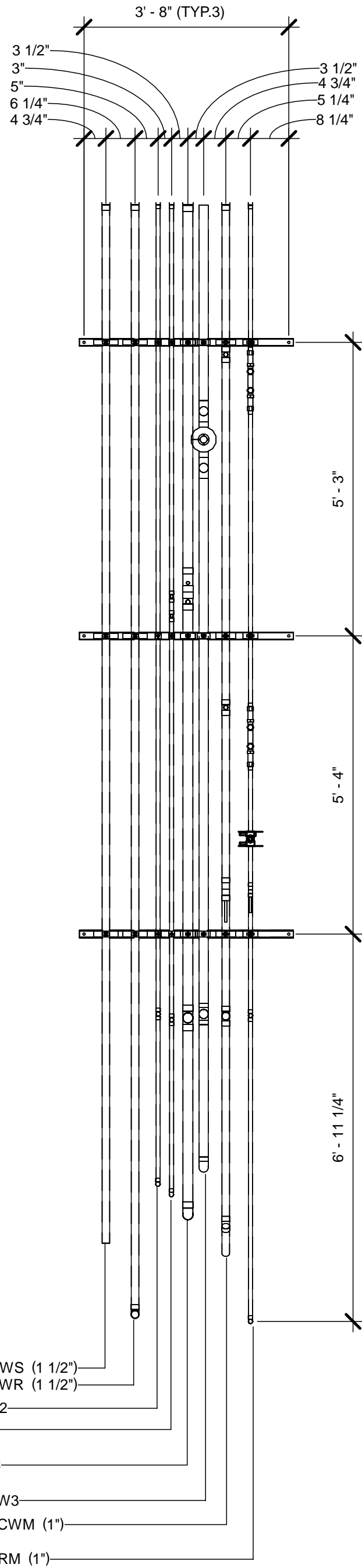


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24-11-2021 15:21:42



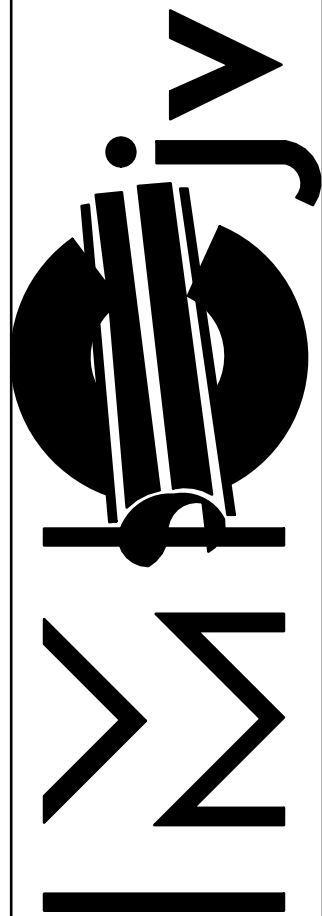
1 AS-L07-070 - ISOMETRIC
AS-L07-070 SCALE:



2 AS-L07-070
AS-L07-070 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: AS-L07-070
Drawn By: Author
DATE: 11/12/21
DATE REQ:

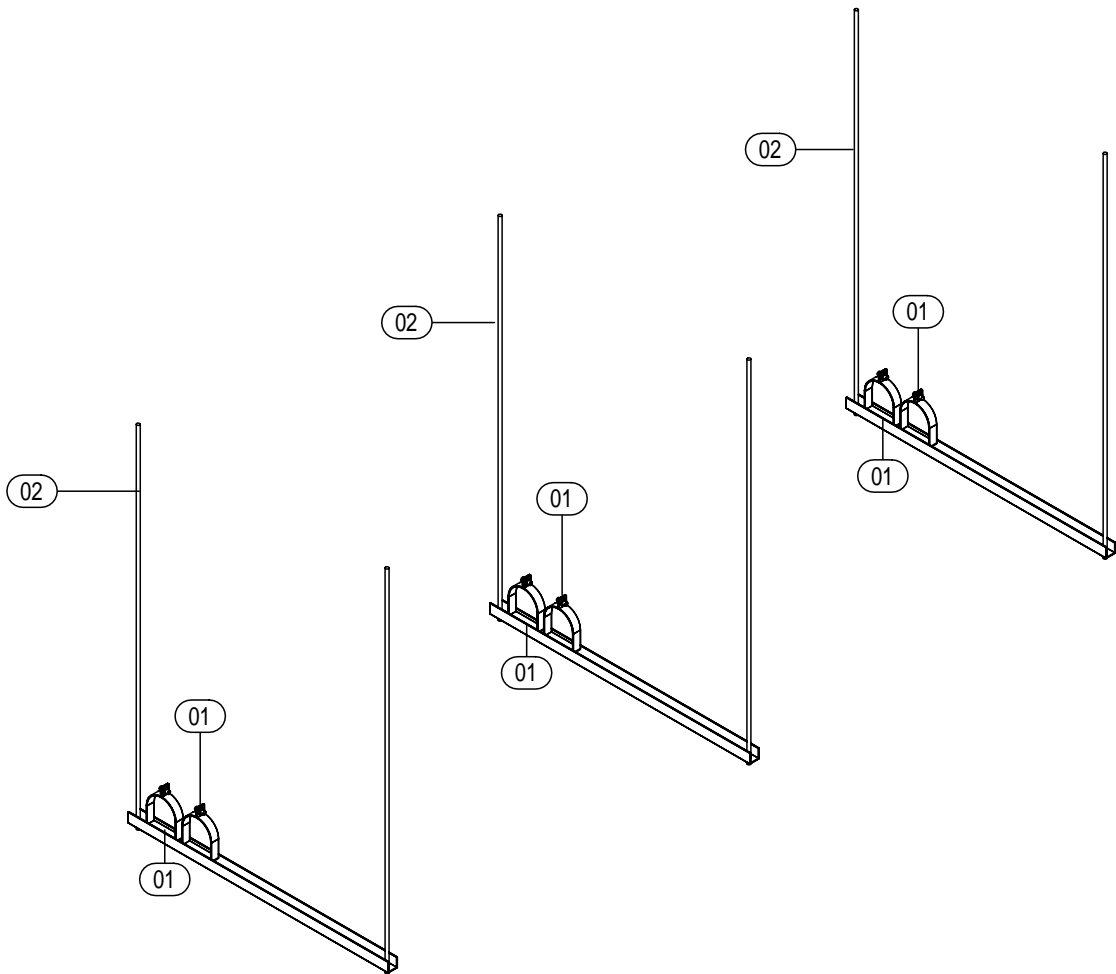


1233 N. Price Rd.
St. Louis, Mo 63132-2303
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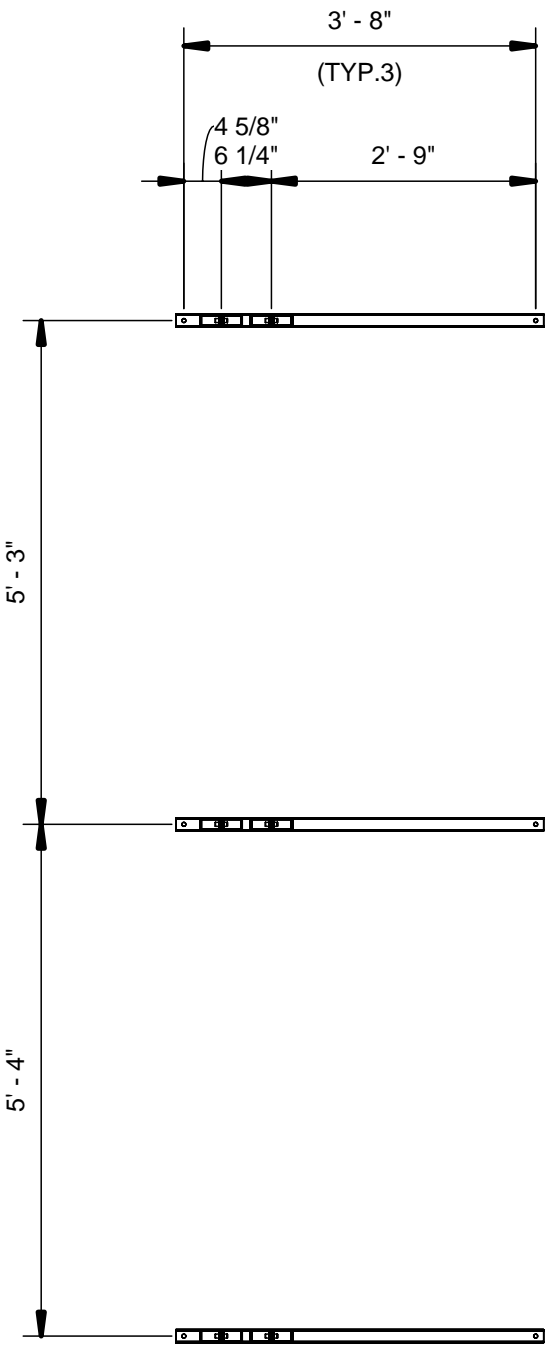
BIM 360/WUSM NRBWUSM_RB_HPE.rvt
24-11-2021 14:19:39

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	6	4.5"	B-Line B2000-ZN-Sch 40 Pipe Clamp		0"		0"	
02	3	42"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		3' - 10"	5' - 2"	5' - 2"	

0164 5/8" B Line #2058



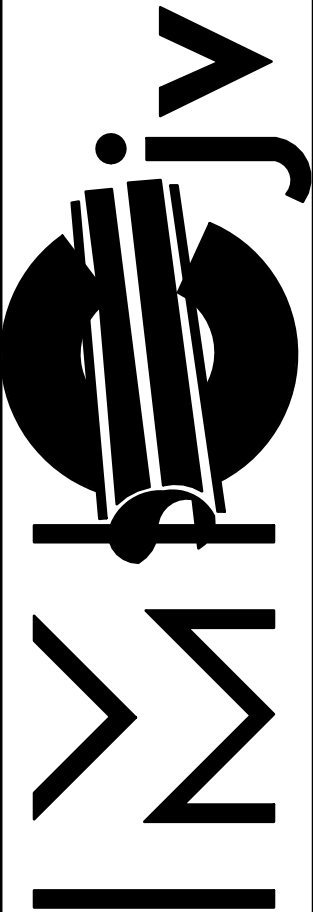
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	HPHGR-L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:

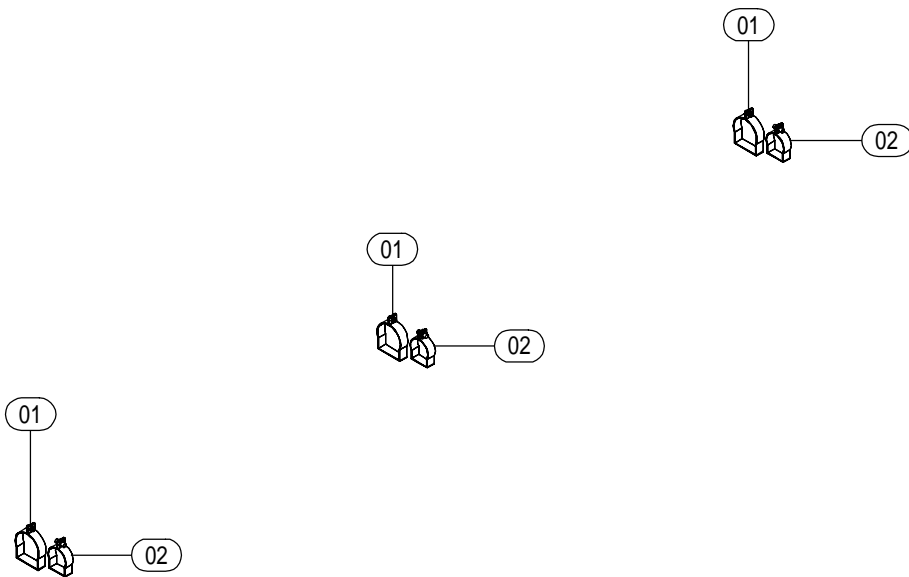


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St. Louis, Mo 63132-2303
314-997-6600 phone

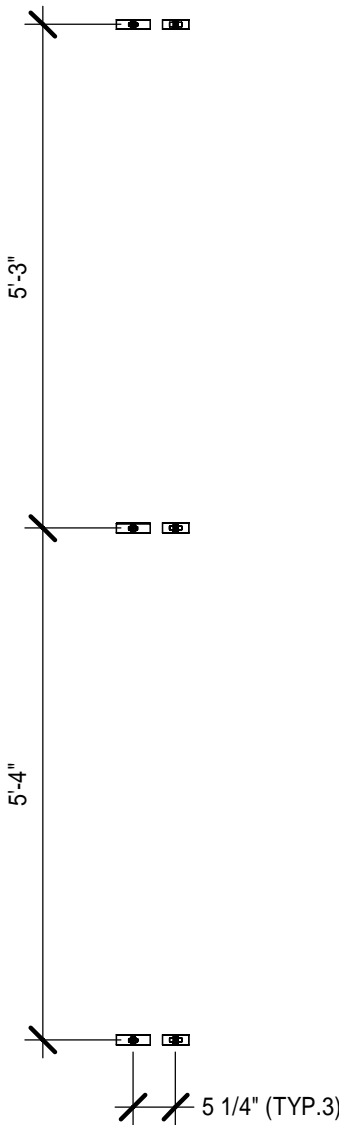
BIM 360://WUSM NRBWUSM_RB_PLF.rvt
24-11-2021 16:19:30

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	3	3.63"	B-Line B2000 Series - OD Pipe and Conduit		0"		0"	
02	3	2.63"	B-Line B2000 Series - OD Pipe and Conduit		0"		0"	

01	3	3 5/8"	B Line #2050
02	3	2 7/8"	B Line #2014



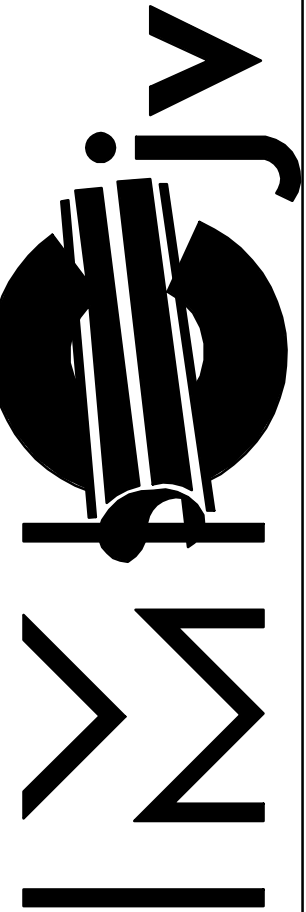
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

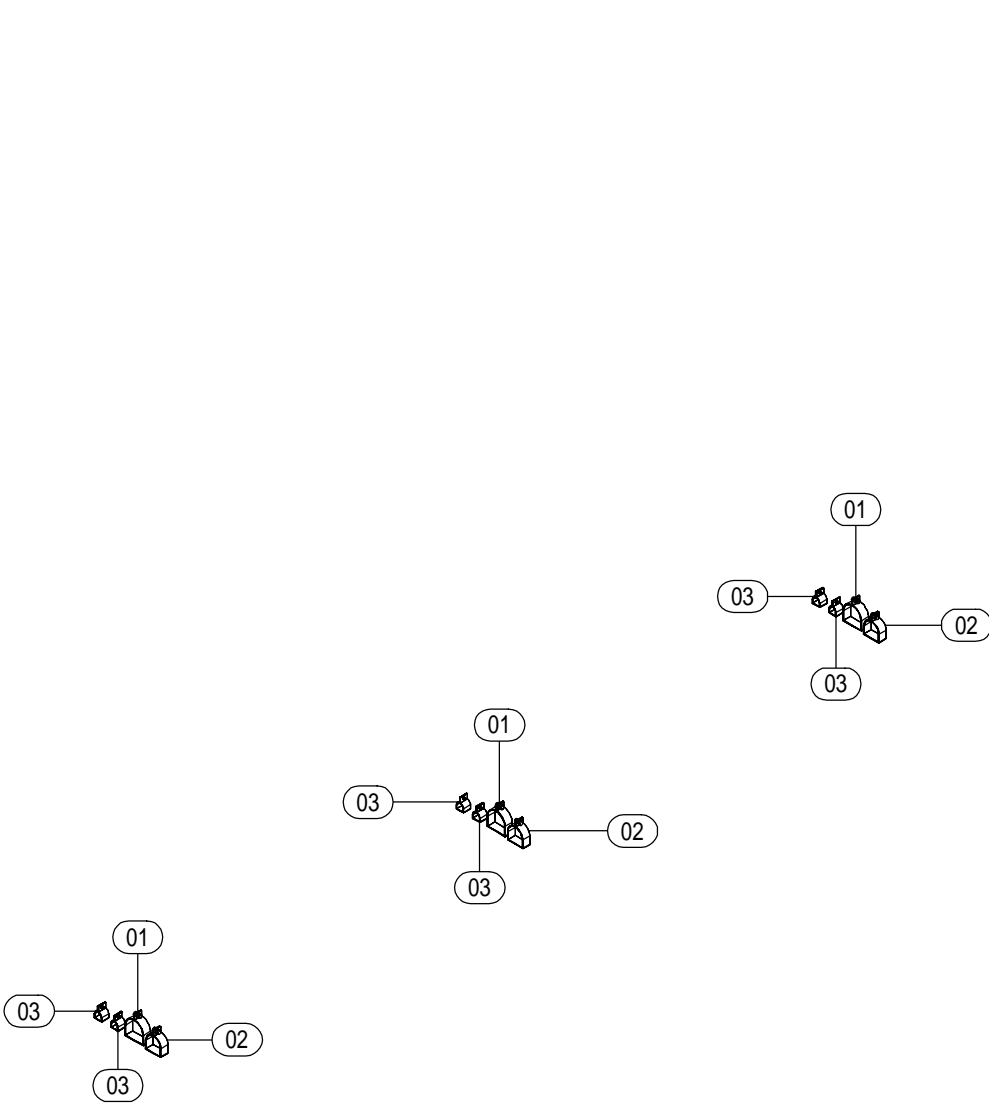
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TICKET:	PPHGR-L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



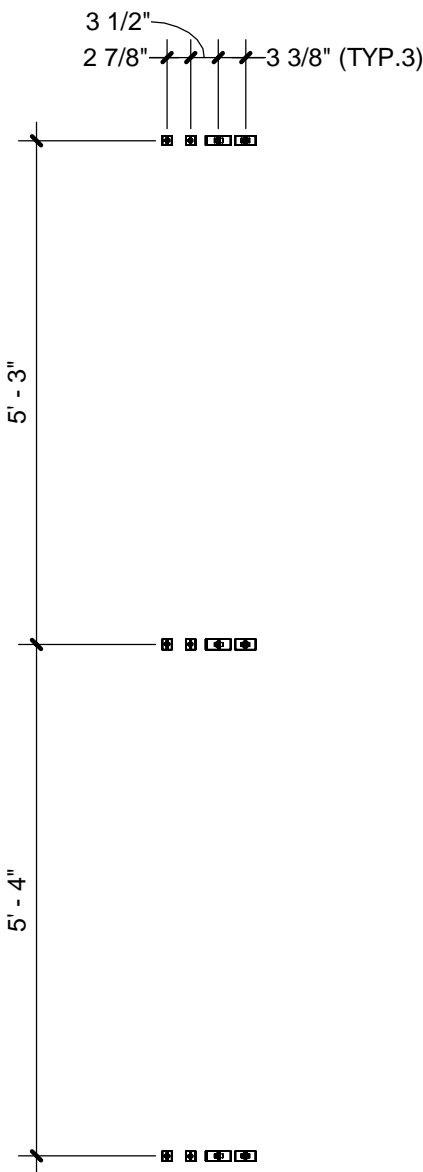
1233 N. Price Rd.
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 17:18:09

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	3	2.5"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
02	3	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
03	6	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	



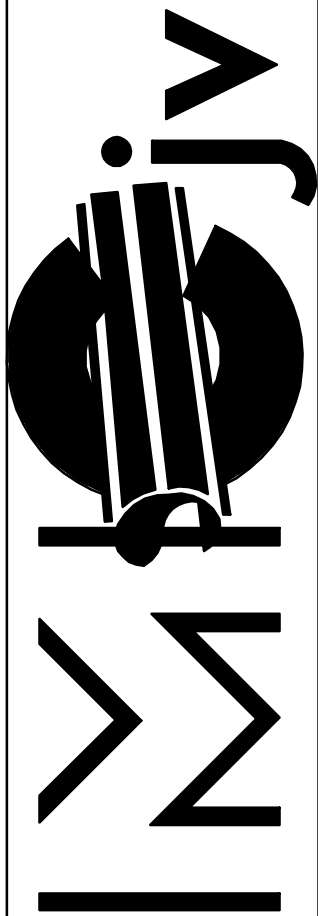
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

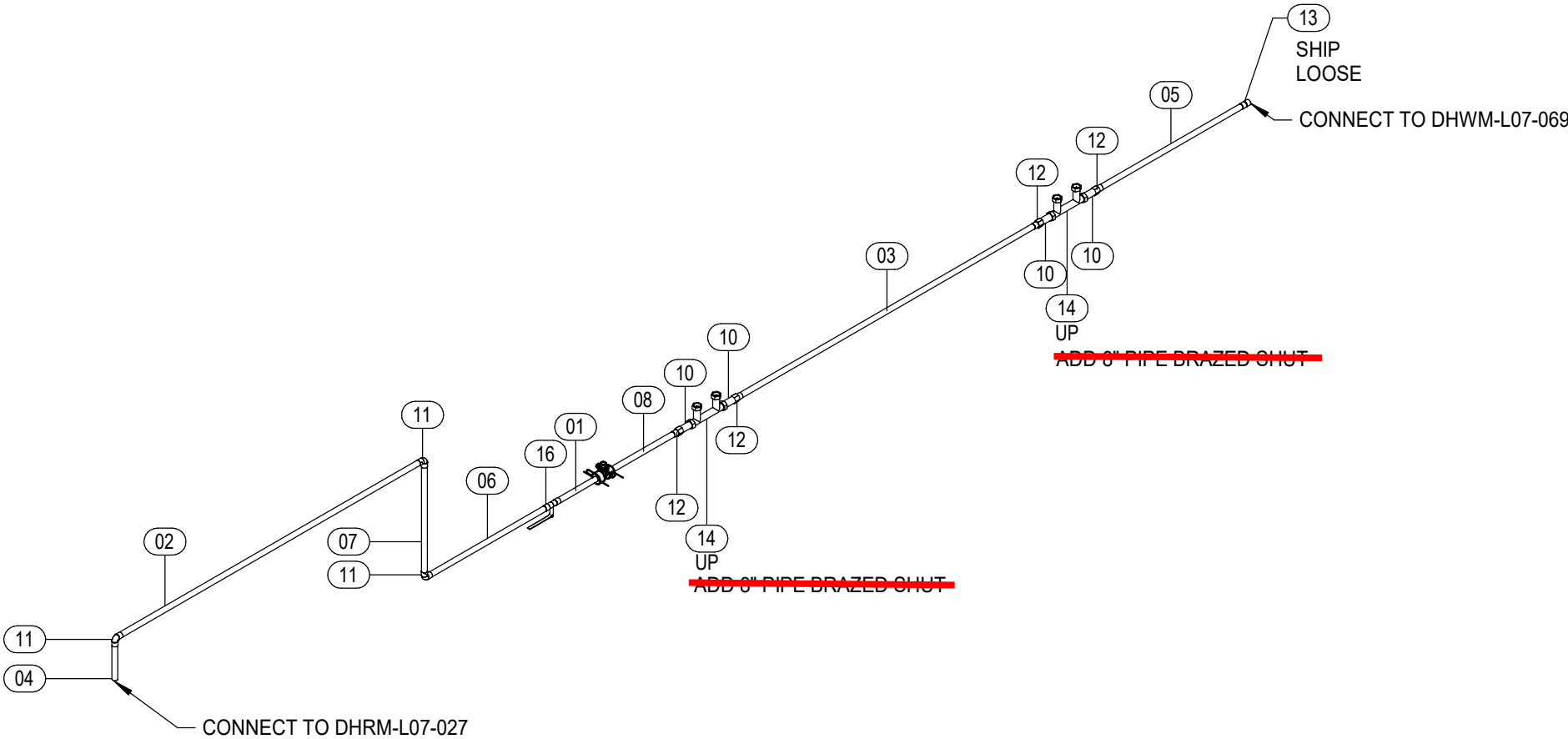
JOB:	WASH U NRB
TICKET:	PUHGR-L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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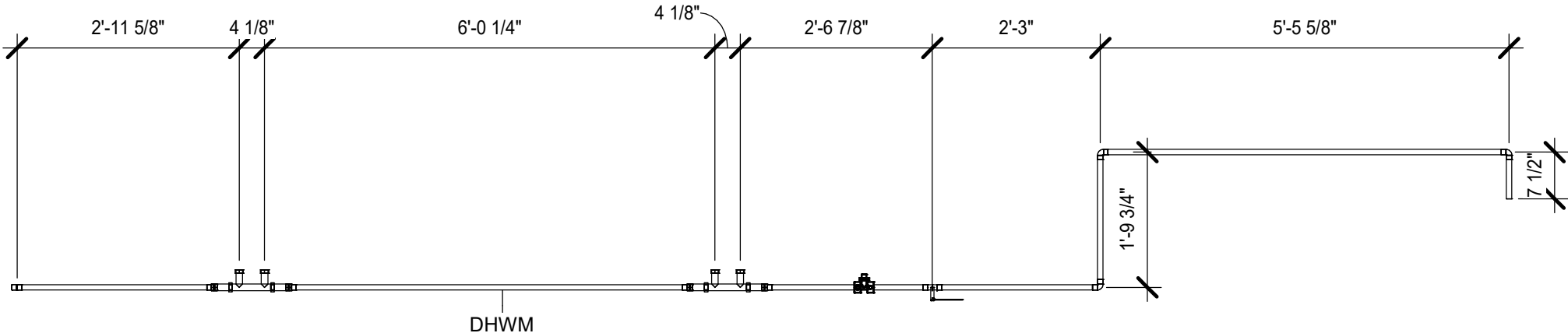
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11/29/2021 12:11:54 PM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	0'-8 11/16"				1"
02	1	3/4"	Cerro Type L Hard Copper Pipe	5'-4 5/8"				1"
03	1	3/4"	Cerro Type L Hard Copper Pipe	5'-3 1/2"				1"
04	1	3/4"	Cerro Type L Hard Copper Pipe	0'-7"				1"
05	1	3/4"	Cerro Type L Hard Copper Pipe	2'-7 3/16"				1"
06	1	3/4"	Cerro Type L Hard Copper Pipe	2'-1 11/16"				1"
07	1	3/4"	Cerro Type L Hard Copper Pipe	1'-8 11/16"				1"
08	1	3/4"	Cerro Type L Hard Copper Pipe	1'-2"				1"
09	1	3/4"	A-Balancing - Circuit Setter - 0.5-2 Inch					1"
10	4	3/4"	Victaulic No.647 TT Dielectric Transition Fitting					1"
11	3	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
12	4	3/4"	Nibco Wrot 603 Adapter CxF					1"
13	1	3/4"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"
14	2	3/4"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					1"
15	2	3/4"	Generic 95/5 Solder Joint					1"
16	1	3/4"	Apollo 77CLF-200 150lb Brz 2pc FP Ball Valve Sdr					1"



1 ISOMETRIC

SCALE:



2 LEFT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

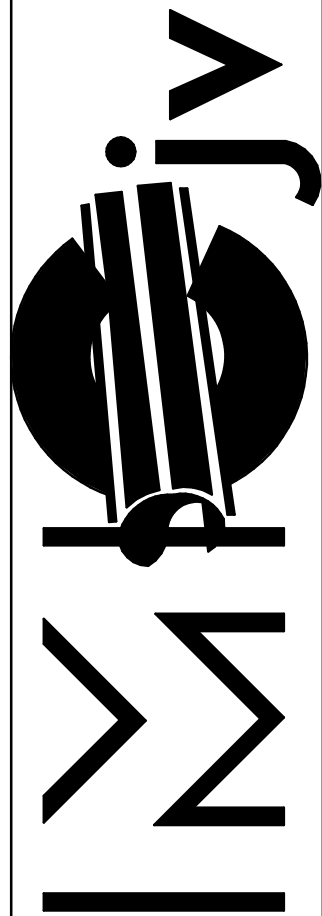
JOB: WASH U NRB

TICKET: DHRM-L07-070

Drawn By: Author

DATE: 11/24/21

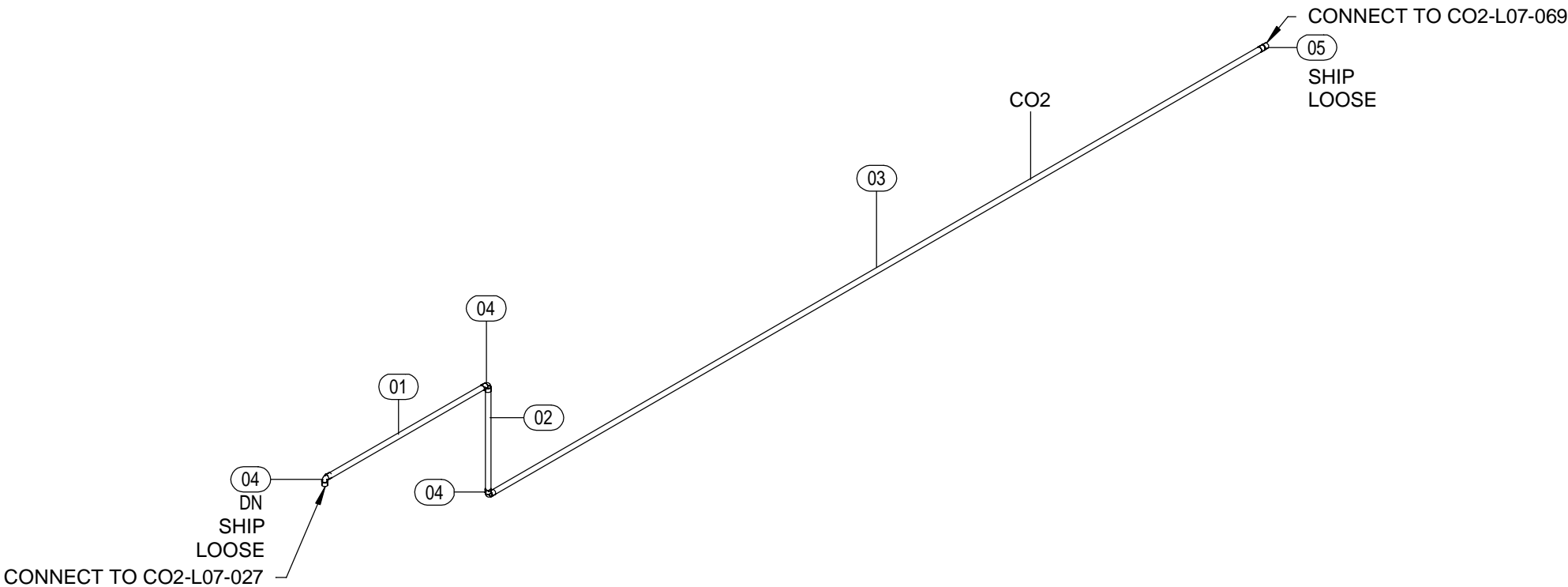
DATE REQ:



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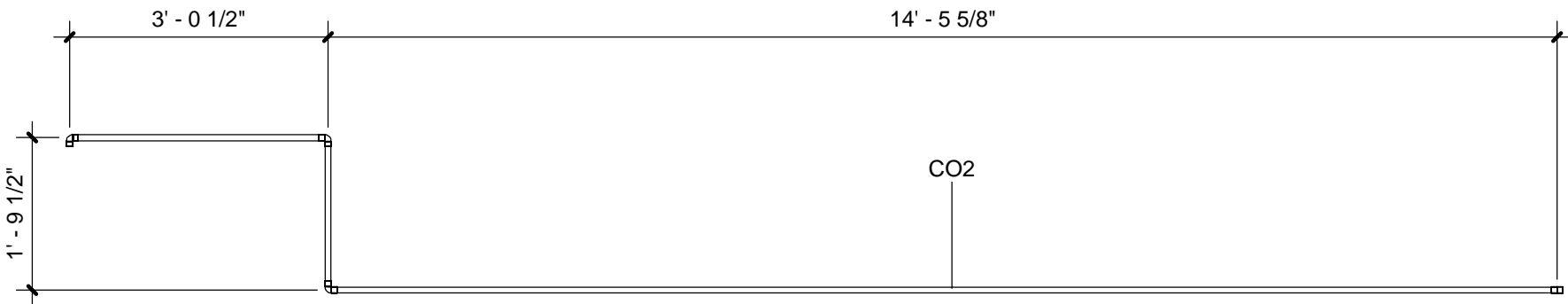
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24-11-2021 17:26:15

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-11 9/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-8 3/8"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	14'-5 1/16"				
04	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
05	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



1 ISOMETRIC

SCALE:

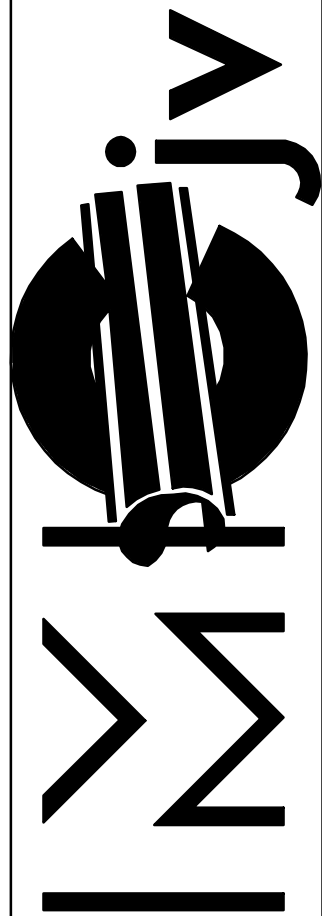


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

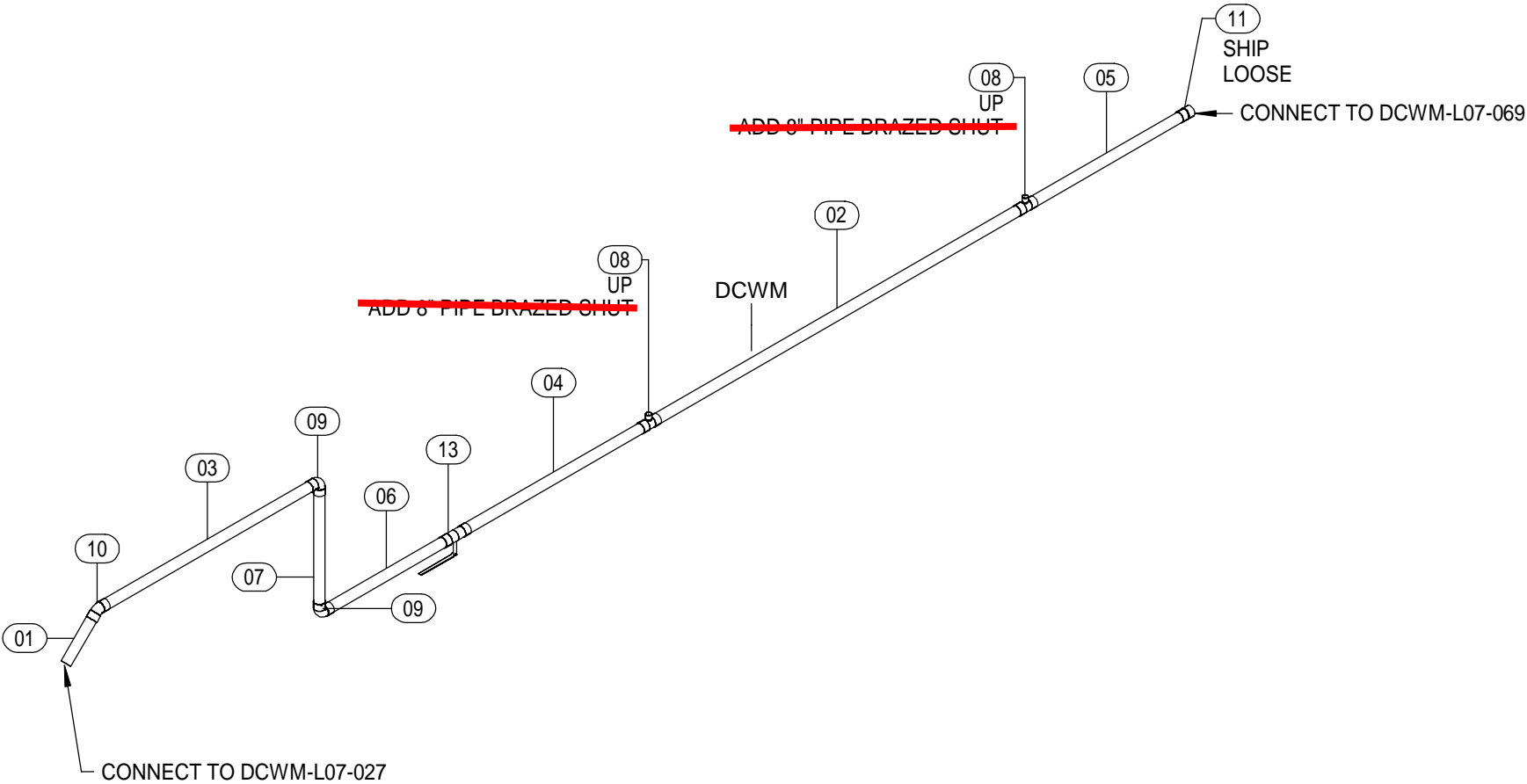
JOB:	WASH U NRB
TICKET:	CO2 -L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



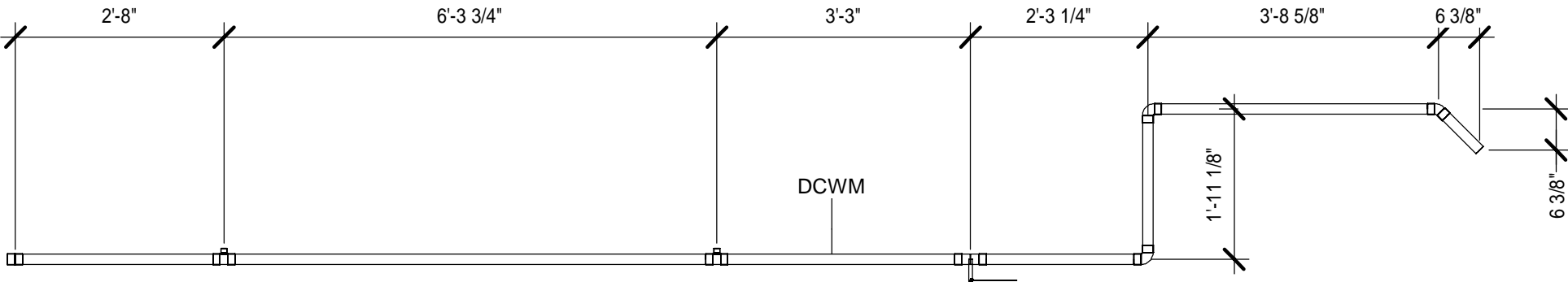
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314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
24-11-2021 16:07:34

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-8 3/8"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	6'-2 9/16"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-7"				1"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-1 1/16"				1"
05	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-7 7/16"				1"
06	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-0 15/16"				1"
07	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-9 1/16"				1"
08	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
09	2	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1"
10	1	1 1/2"	Nibco Wrot 606 45 Deg Ell CxC					1"
11	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"
12	1	1 1/2"	Generic 95/5 Solder Joint					1"
13	1	1 1/2"	Apollo 77CLF-200 150lb Brz 2pc FP Ball Valve Sdr					2"



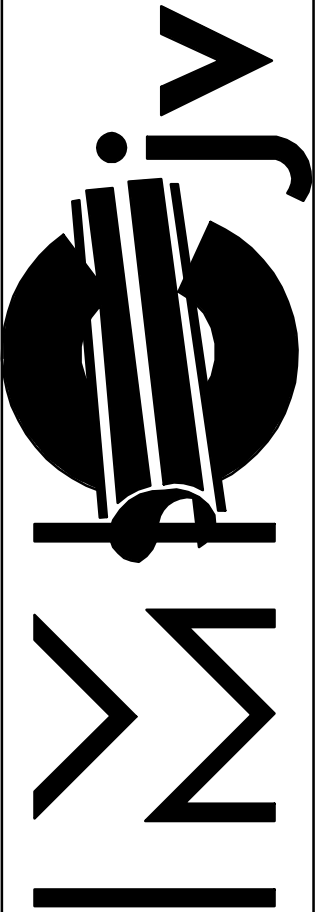
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

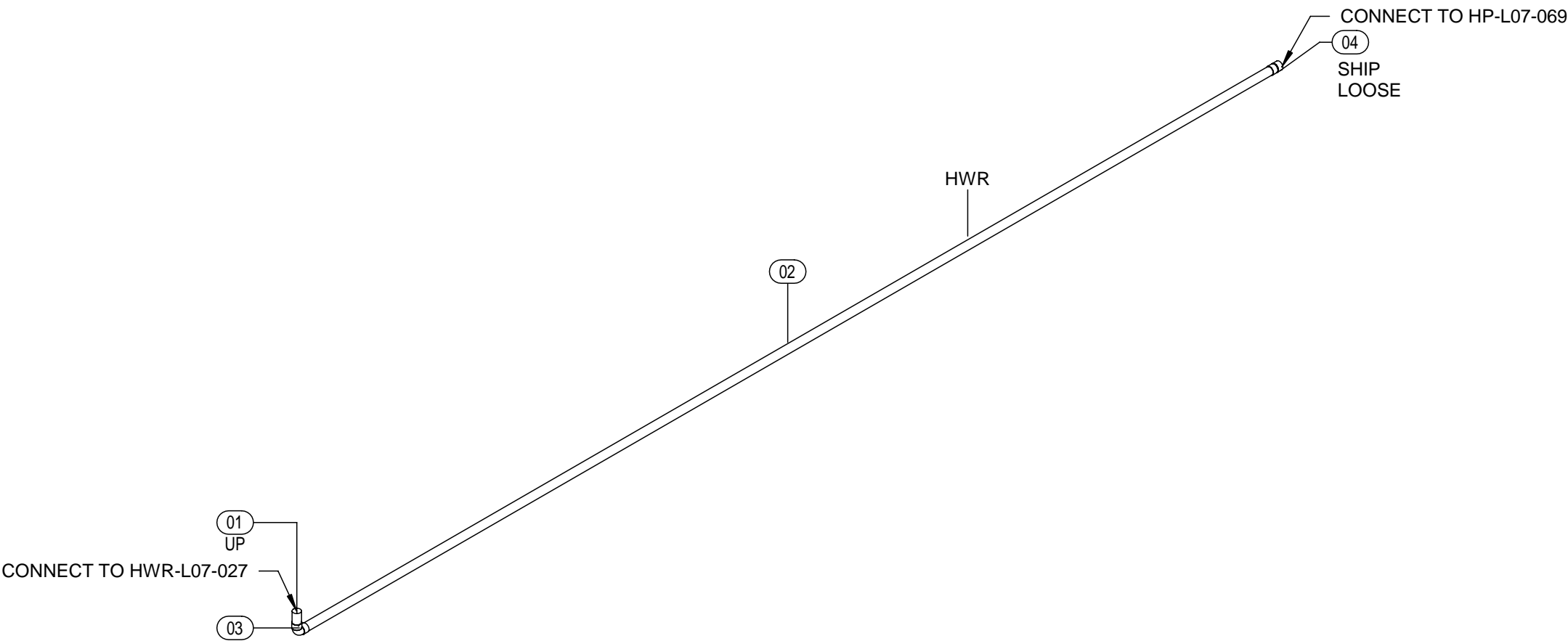
JOB:	WASH U NRB
TICKET:	DCWM-L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



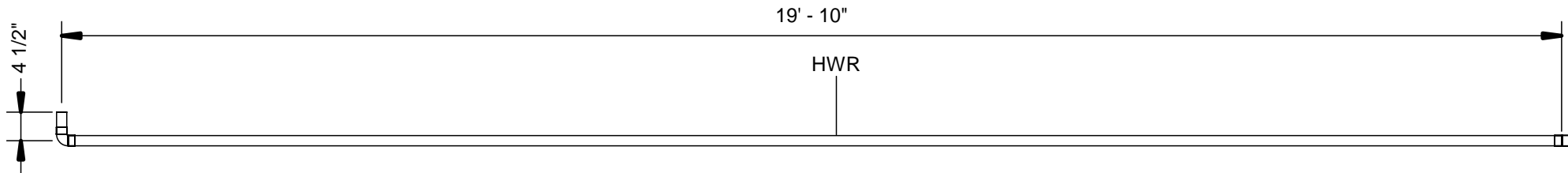
1233 N. Price Rd.
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BIM 360/WUSM NRBWUSM_RB_HPF.rvt
24-11-2021 18:14:30

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 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'-9"				1 1/2"
03	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1 1/2"
04	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



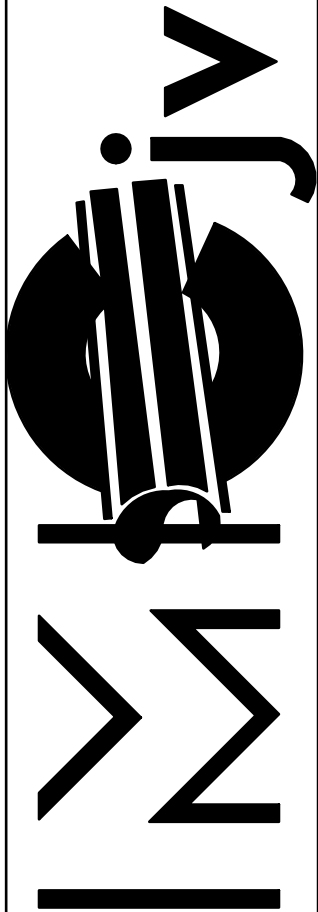
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

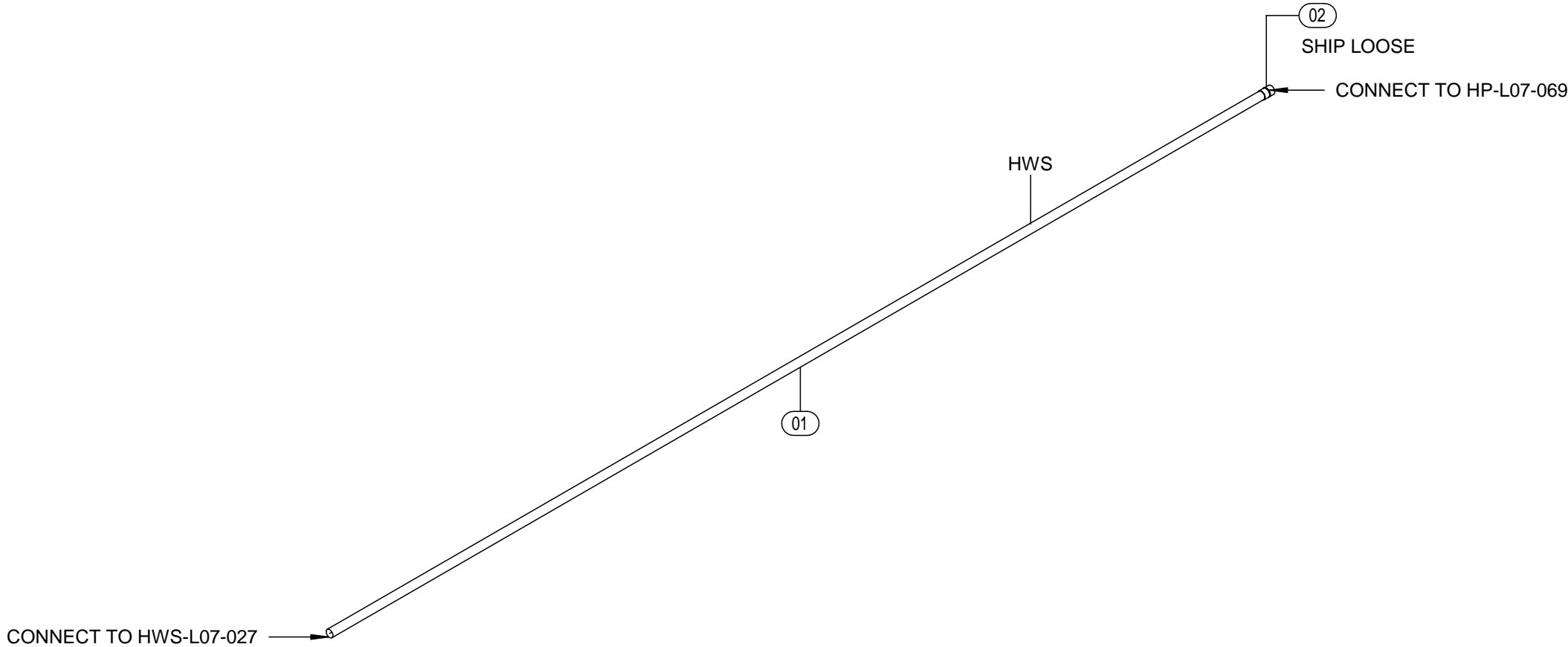
JOB:	WASH U NRB
TICKET:	HWR-L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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24-11-2021 14:24:28

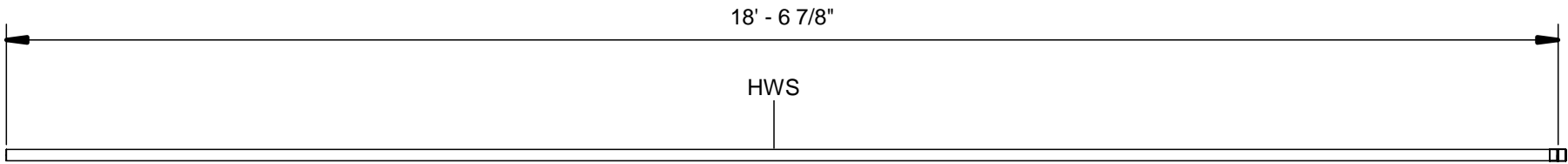
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	18'-6 3/4"				1 1/2"
02	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



1

ISOMETRIC

SCALE:



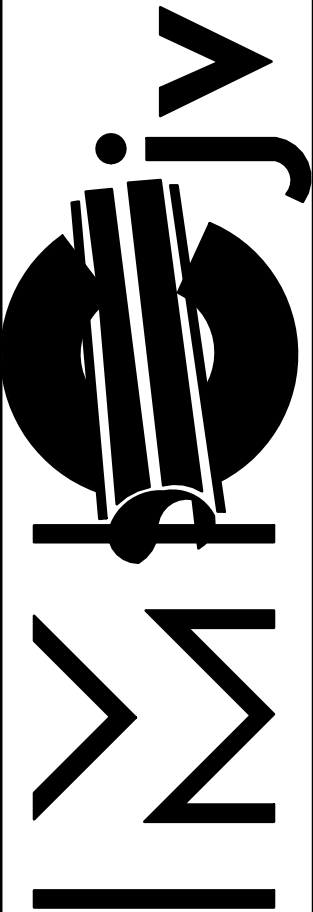
2

RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

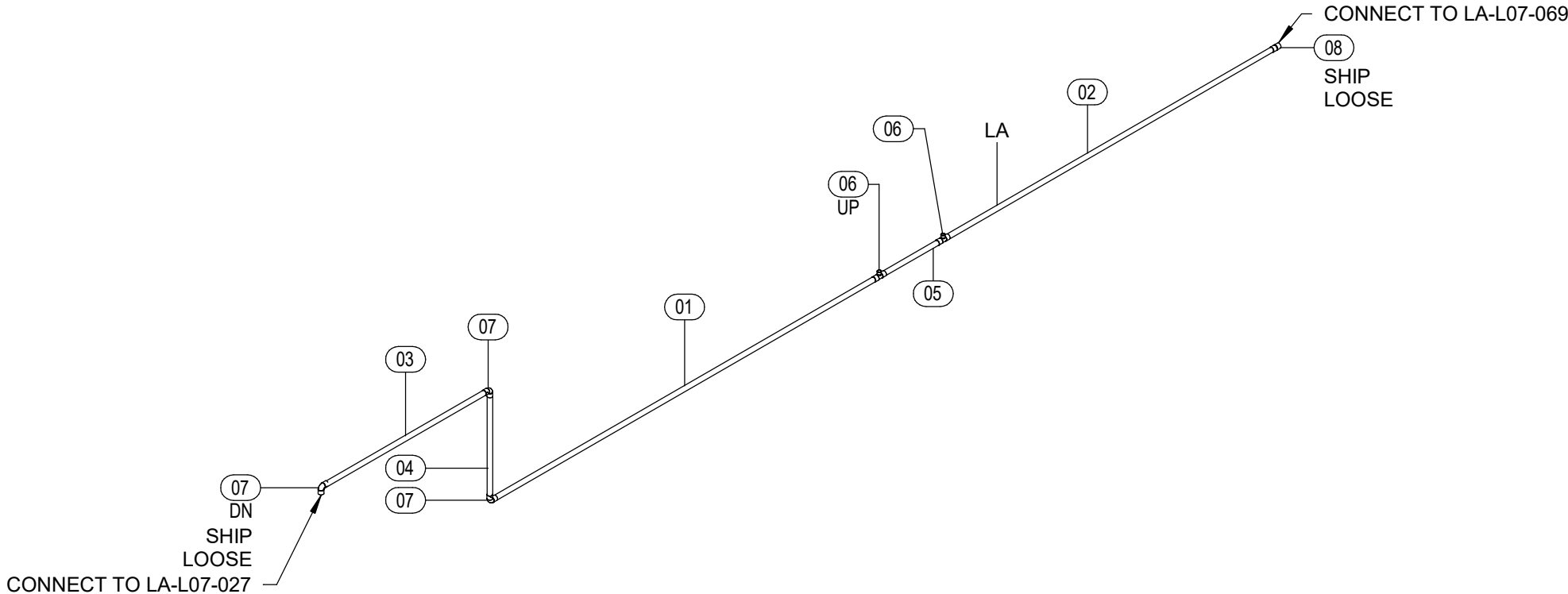
JOB:	WASH U NRB
TICKET:	HWS-L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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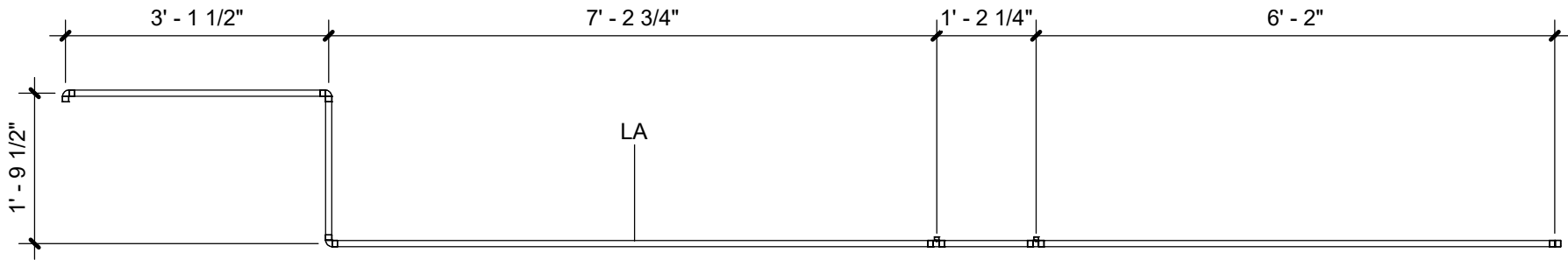
BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/9/2022 10:39:44 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	7'-1 3/4"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	6'-1 5/8"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-0 1/2"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-8 1/2"	
05	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-1 1/4"	
06	2	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		
08	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		



1 ISOMETRIC

SCALE:

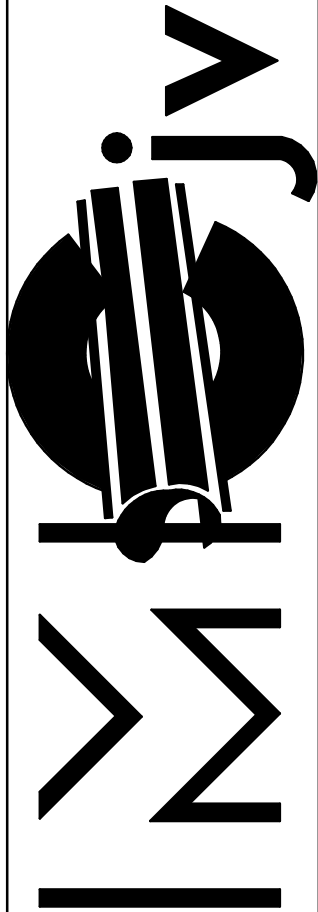


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

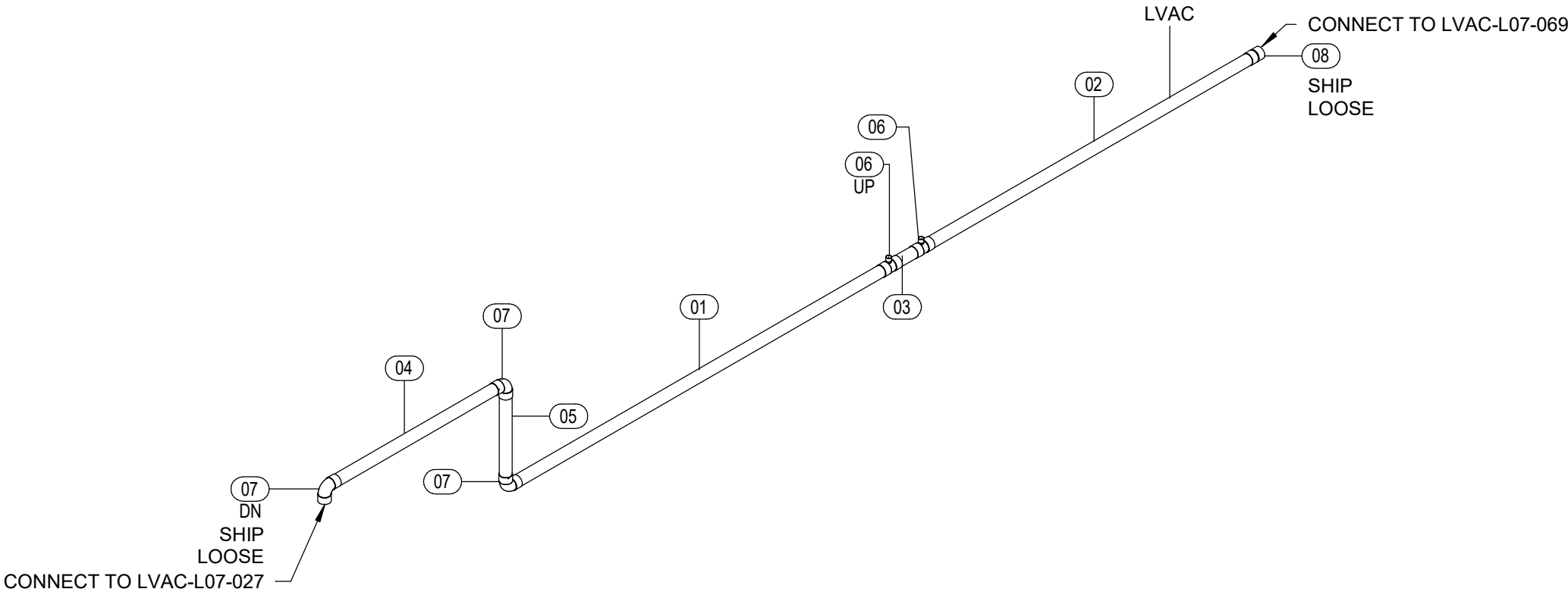
JOB:	WASH U NRB
TICKET:	LA -L07-070
Drawn By: Author	
DATE: 11/24/21	DATE REQ:



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

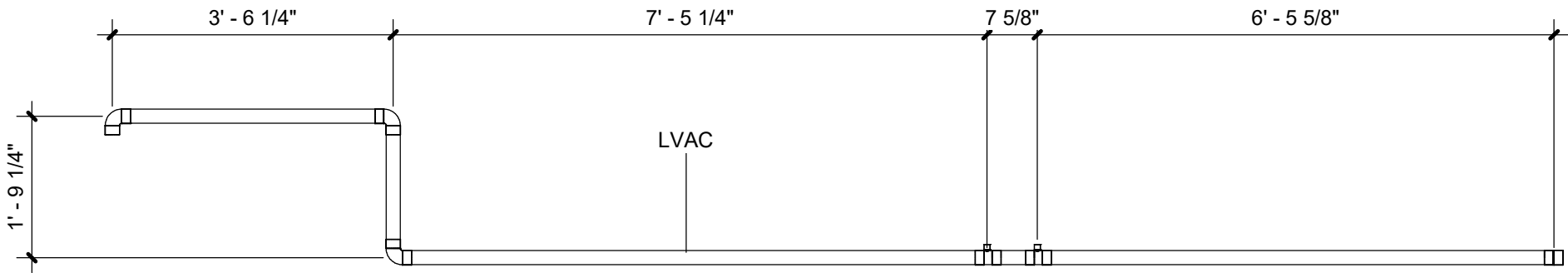
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2/9/2022 10:39:45 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type L Hard Copper - CFOS	7'-3 3/8"	
02	1	2"	Cerro Type L Hard Copper - CFOS	6'-4 3/4"	
03	1	2"	Cerro Type L Hard Copper - CFOS	0'-6 3/8"	
04	1	2"	Cerro Type L Hard Copper - CFOS	3'-3 3/8"	
05	1	2"	Cerro Type L Hard Copper - CFOS	1'-6 3/8"	
06	2	2"x3/4"x2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	3	2"	Nibco 607-CB CFOS Wrot 90 Elbow		
08	1	2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		



1 ISOMETRIC

SCALE:

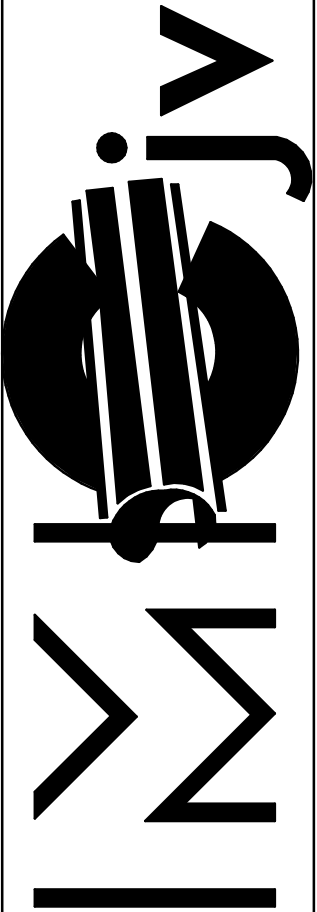


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

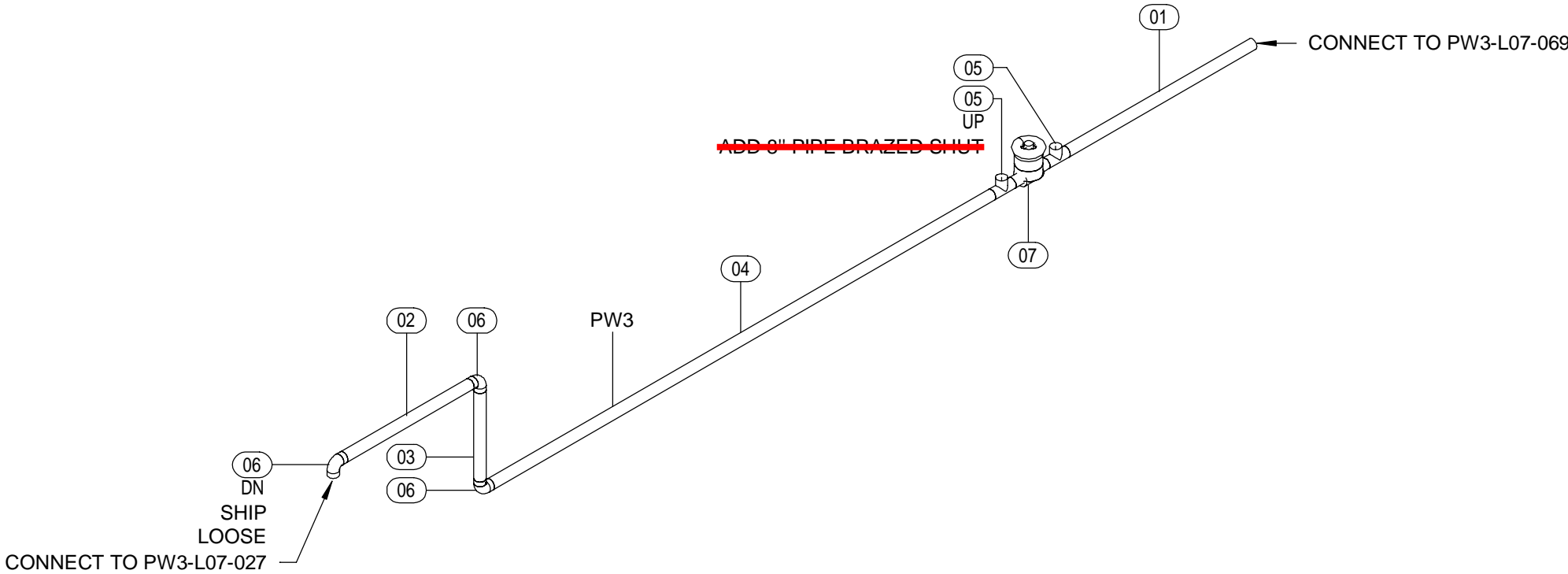
JOB: WASH U NRB	TICKET: LVAC -L07-070	Drawn By: Author	DATE REQ: 11/24/21
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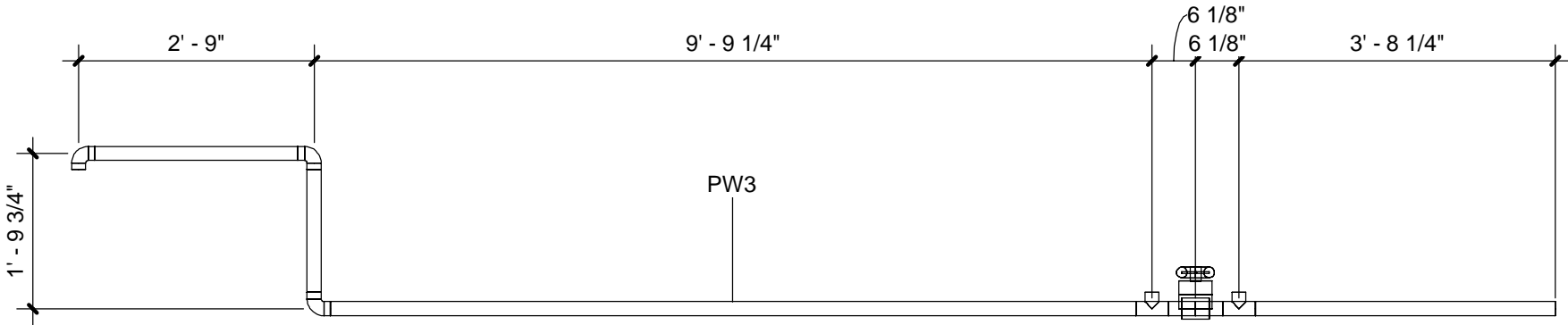
1233 N. Price Rd.
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
24-11-2021 17:56:27

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	3'-5 15/16"				
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	2'-4 3/8"				
03	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	1'-5 3/16"				
04	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	9'-4 5/8"				
05	2	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee					
06	3	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion 90 SR Elbow					
07	1	1 1/2"	George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF					



1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

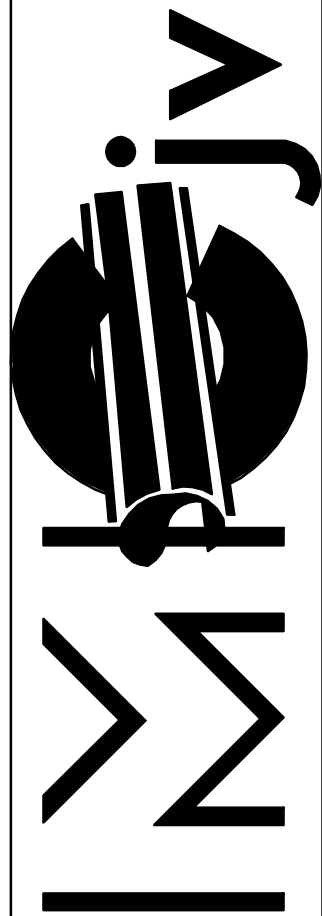
JOB: WASH U NRB

TICKET: PW3 -L07-070

Drawn By: Author

DATE: 11/24/21

DATE REQ:



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