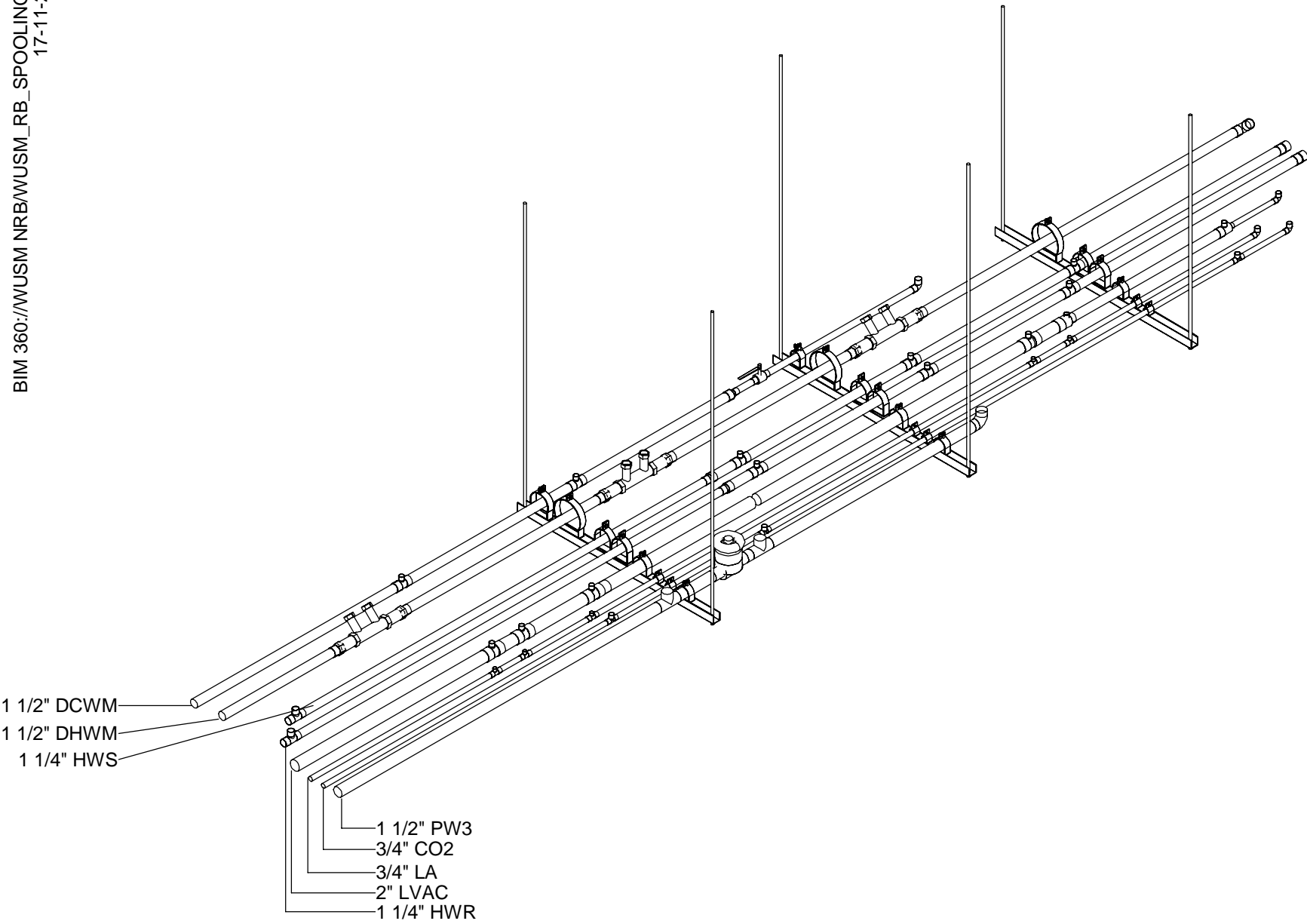
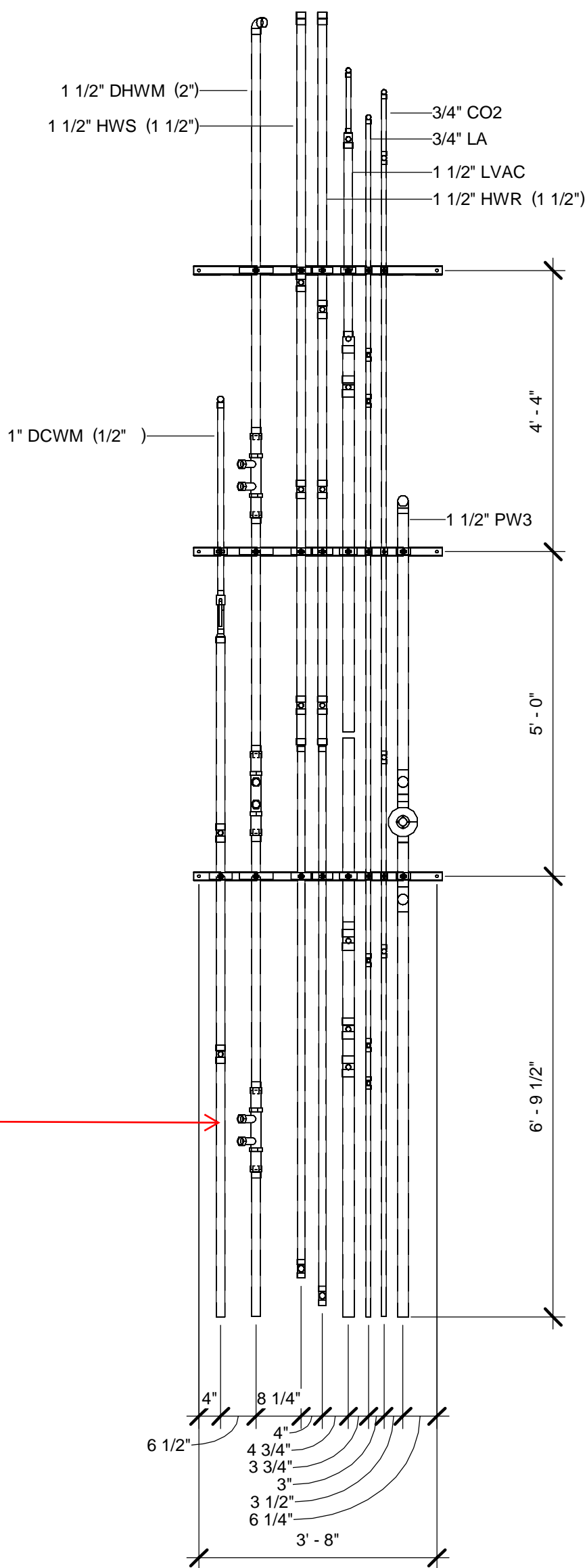


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17-11-2021 16:04:34



1 AS-L07-056 - ISOMETRIC
AS-L07-056 SCALE:

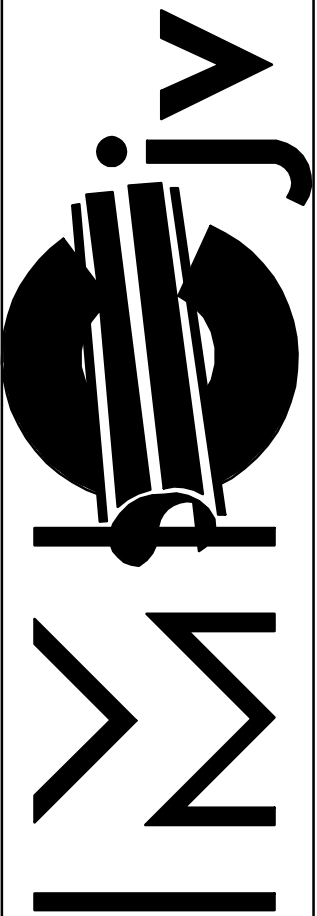


1 1/2" DCWM (1')

2 AS-L07-056
AS-L07-056 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: AS-L07-056
Drawn By: Author
DATE: 11/17/21
DATE REQ:



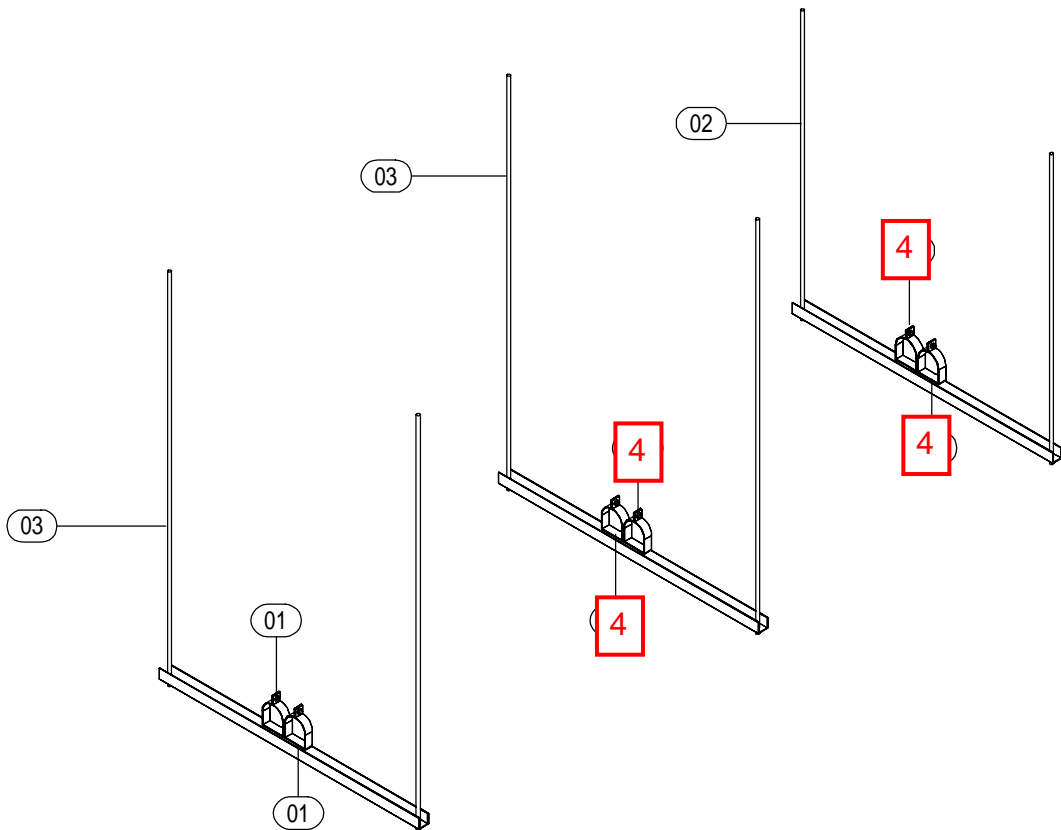
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_HPF.rvt
17-11-2021 15:46:42

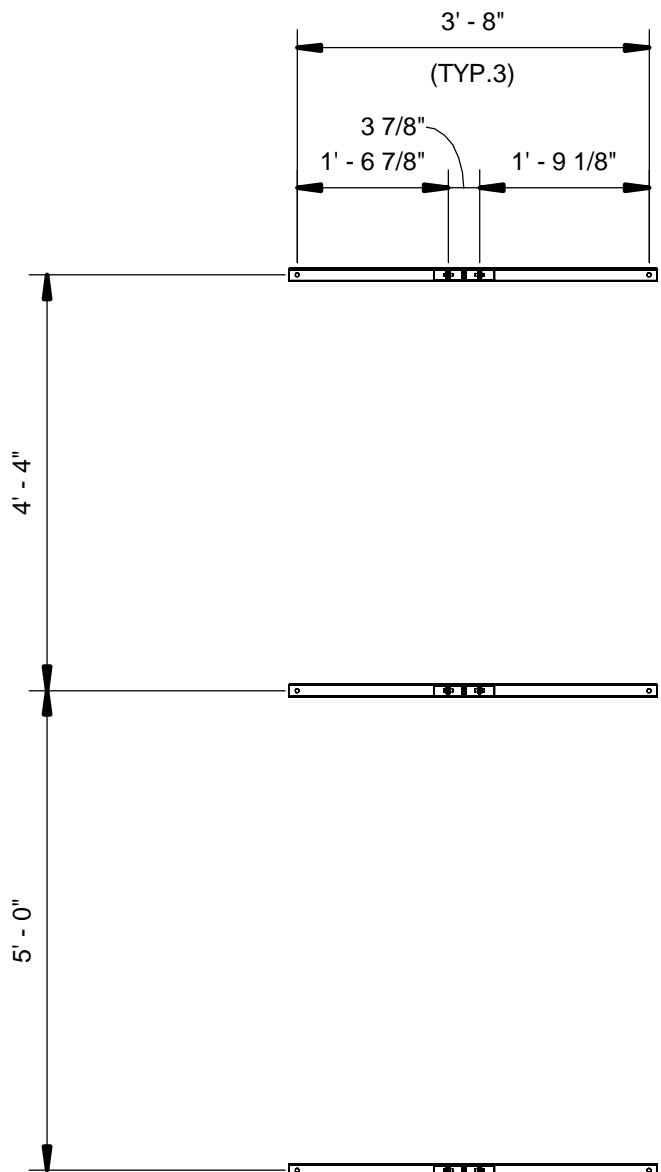
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	6	8"	B-Line B2888 ZN Oct 48 Pipe Clamp		0"		0"	
02	1	42"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		3' - 10"	3' - 11 7/16"	3' - 11 7/16"	
03	2	42"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		3' - 10"	5' - 3 7/16"	5' - 3 7/16"	

01 2 4 3/8" B Line #2056

04 4 4 5/8" B Line #2058



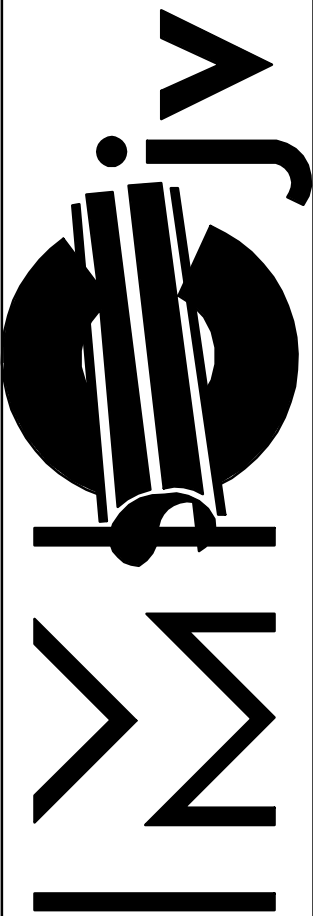
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	HPHGR-L07-056
Drawn By: Author	
DATE: 11/17/21	DATE REQ:



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St. Louis, Mo 63132-2303
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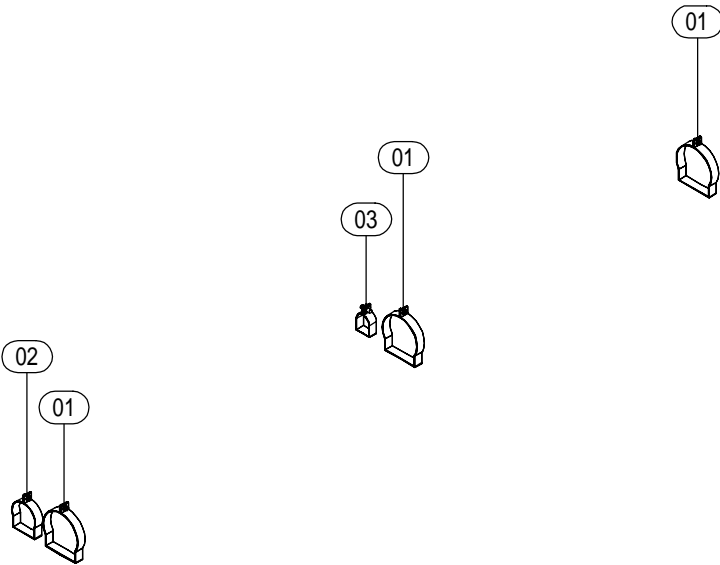
BIM 360://WUSM NRBWUSM_RB_PLF.rvt
17-11-2021 10:52:46

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	3	6.18"	B Line B2000 Series - OB Pipe and Conduit		0"		0"	
02	1	2.62"	B Line B2000 Series - OB Pipe and Conduit		0"		0"	
03	1	2.15"	B Line B2000 Series - OB Pipe and Conduit		0"		0"	

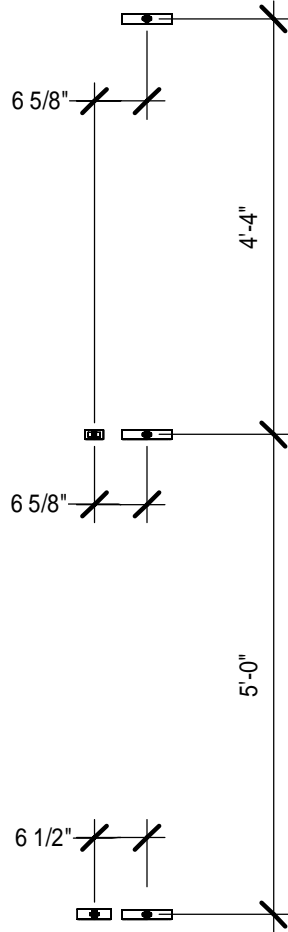
02 1 3 5/8" B Line #2050

03 1 2 1/8" B Line #2038

01 3 5 5/8" B Line #2020



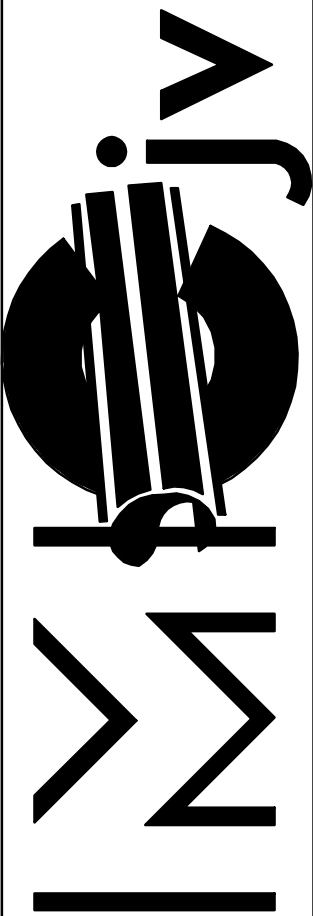
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

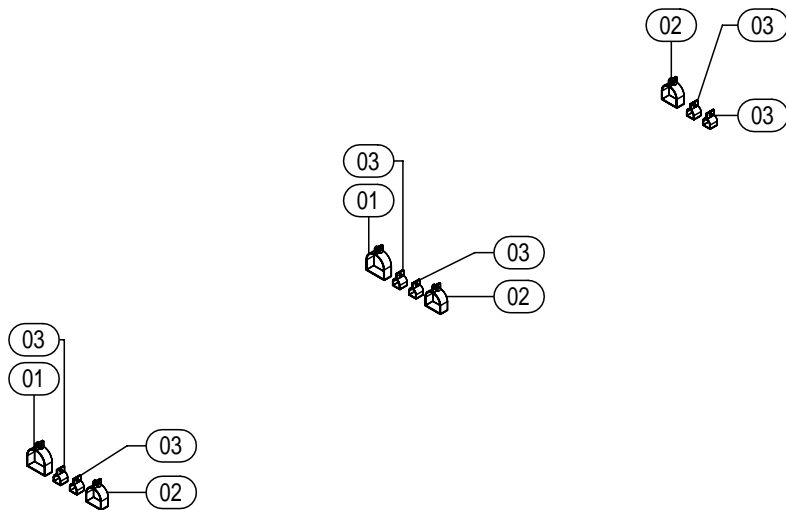
JOB: WASH U NRB
TICKET: PPHGR-L07-056
Drawn By: Author
DATE: 11/17/21
DATE REQ:



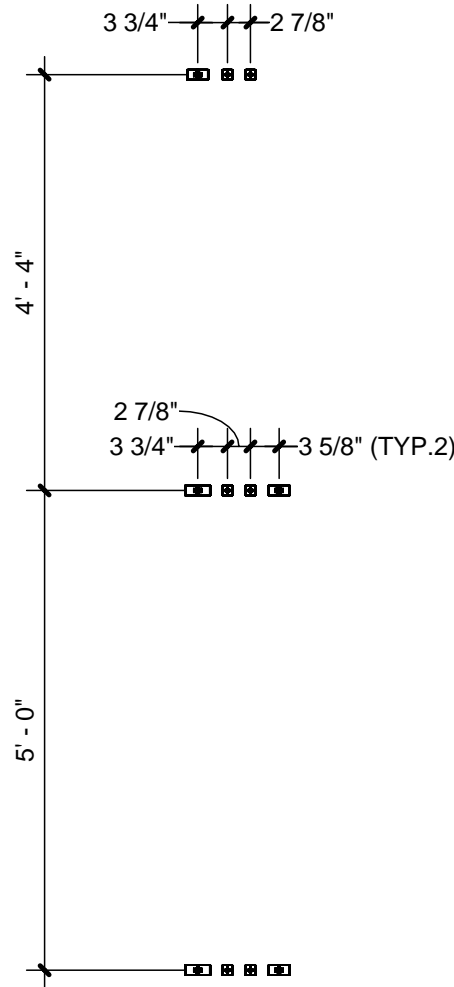
1233 N. Price Rd.
St. Louis, Mo 63132-2303
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
17-11-2021 11:32:41

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	2	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"	



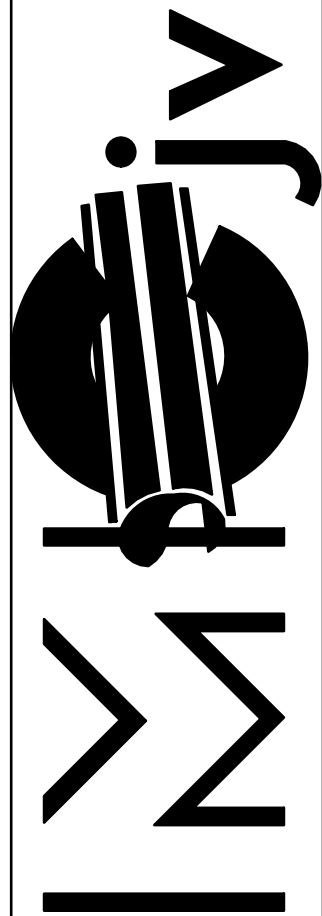
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

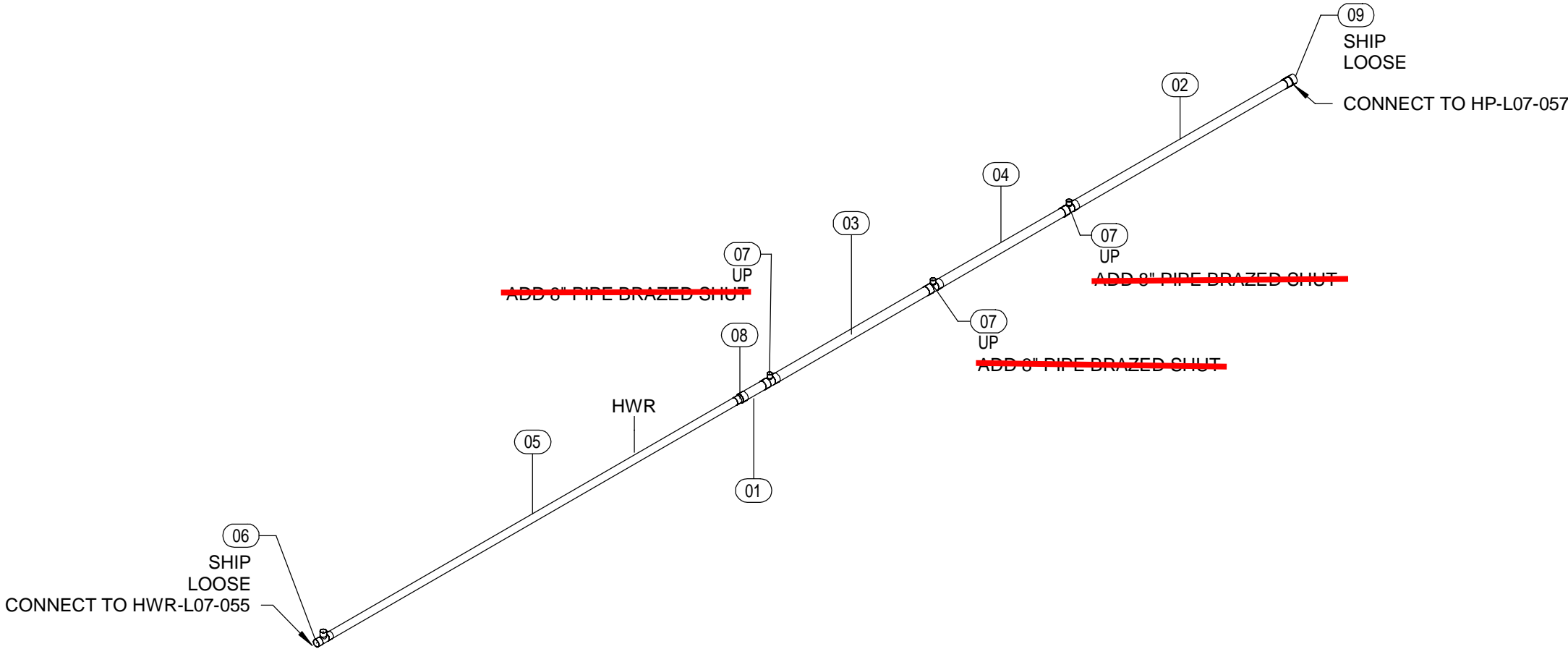
JOB:	WASH U NRB
TICKET:	PUHGR-L07-056
Drawn By: Author	
DATE: 11/17/21	DATE REQ:



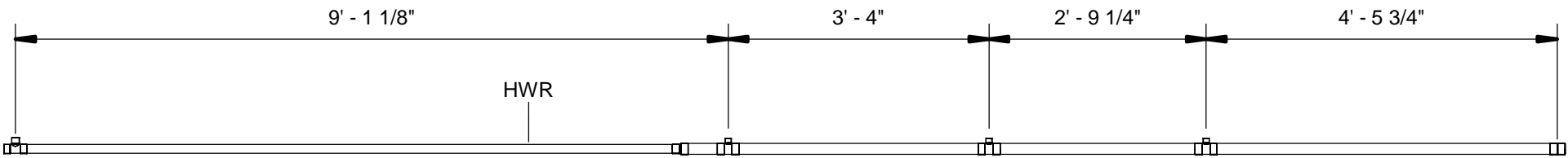
1233 N. Price Rd.
St. Louis, Mo 63132-2303
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BIM 360//WUSM NRBWUSM_RB_HPF.rvt
17-11-2021 15:36:55

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	0'-6 5/8"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	4'-5 3/16"				1 1/2"
03	1	1 1/2"	Cerro Type K Hard Copper Pipe	3'-2 3/4"				1 1/2"
04	1	1 1/2"	Cerro Type K Hard Copper Pipe	2'-8 1/16"				1 1/2"
05	1	1 1/4"	Cerro Type K Hard Copper Pipe	8'-4 13/16"				1"
06	1	1 1/4"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1"
07	3	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
08	1	1 1/2"x1 1/4"	Nibco Wrot 600R Red Cplg CxC					1 1/2"
09	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



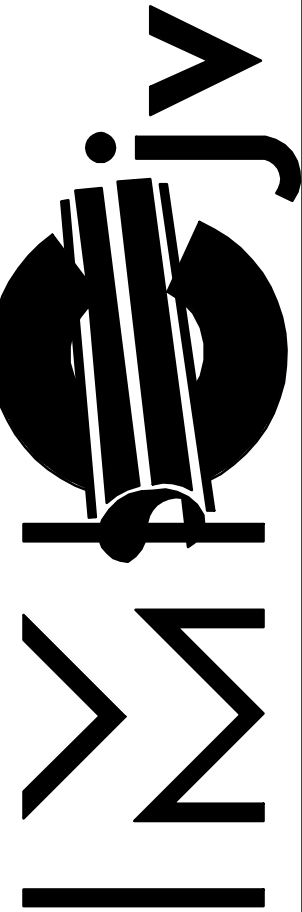
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

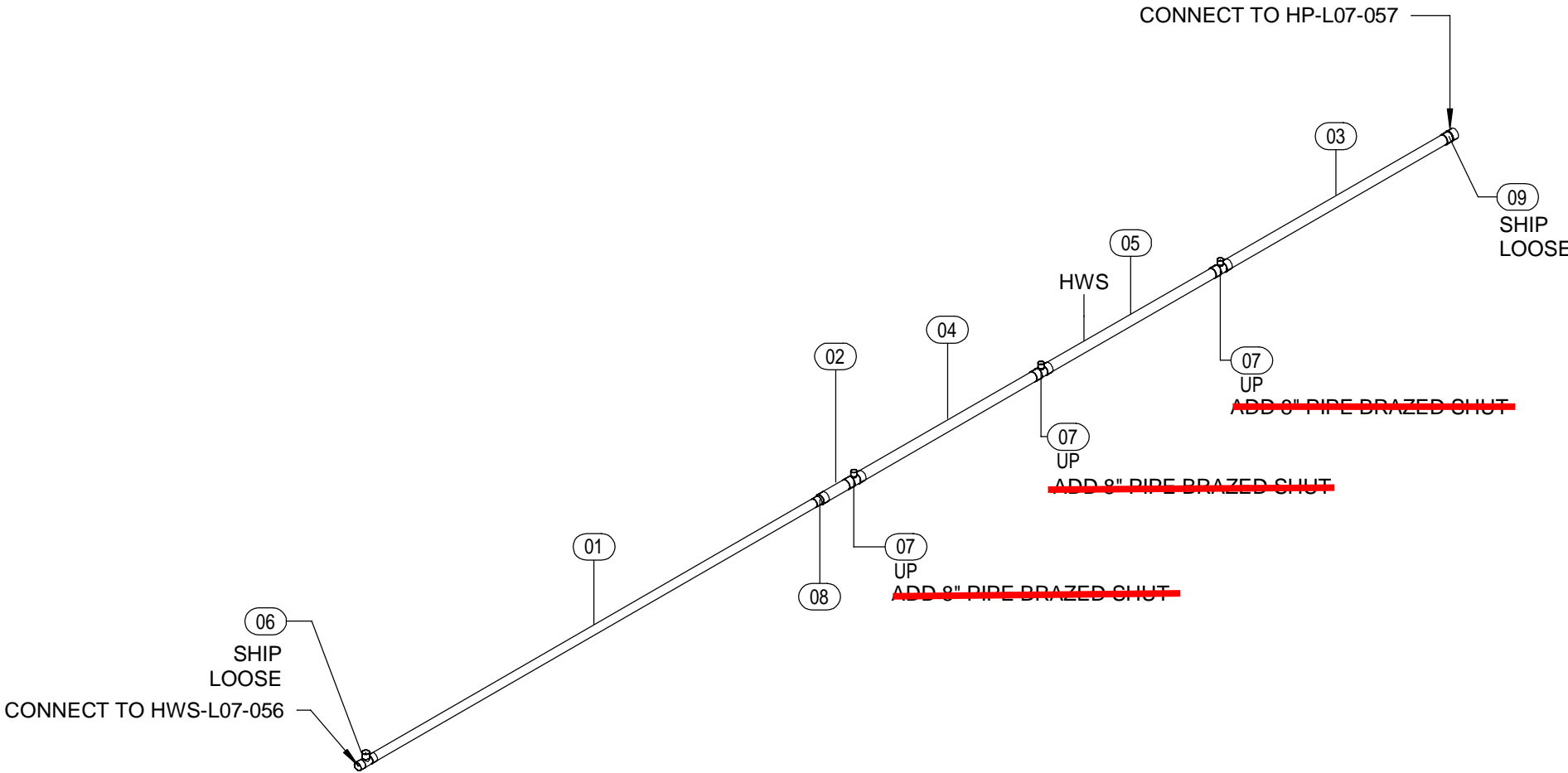
JOB: WASH U NRB
TICKET: HWR-L07-056
Drawn By: Author
DATE: 11/17/21
DATE REQ:



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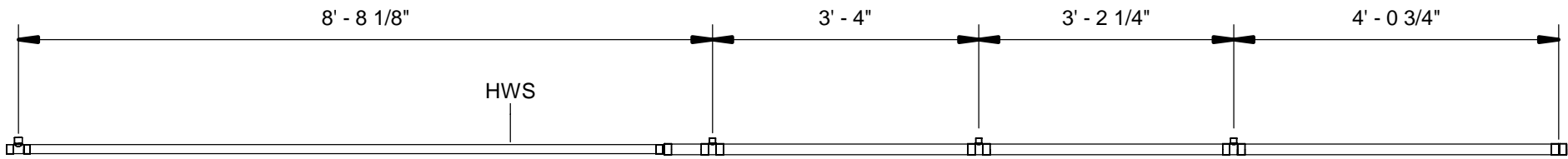
BIM 360//WUSM NRBWUSM_RB_HPF.rvt
17-11-2021 15:26:21

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/4"	Cerro Type K Hard Copper Pipe	7'-11 13/16"				1"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	0'-6 5/8"				1 1/2"
03	1	1 1/2"	Cerro Type K Hard Copper Pipe	4'-0 3/16"				1 1/2"
04	1	1 1/2"	Cerro Type K Hard Copper Pipe	3'-2 3/4"				1 1/2"
05	1	1 1/2"	Cerro Type K Hard Copper Pipe	3'-1 1/16"				1 1/2"
06	1	1 1/4"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1"
07	3	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
08	1	1 1/2"x1 1/4"	Nibco Wrot 600R Red Cplg CxC					1 1/2"
09	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



1 ISOMETRIC

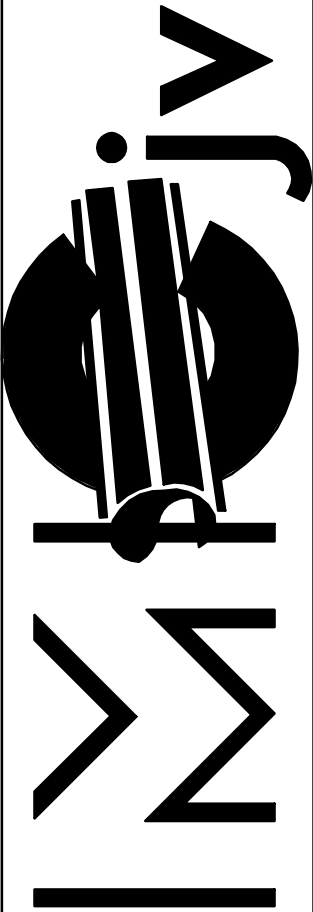
SCALE:



2 RIGHT ELEVATION

SCALE: 1/2\"/>

A1	A3	B1	B3
A2	A4	B2	B4



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JOB: WASH U NRB

TICKET: HWS-L07-056

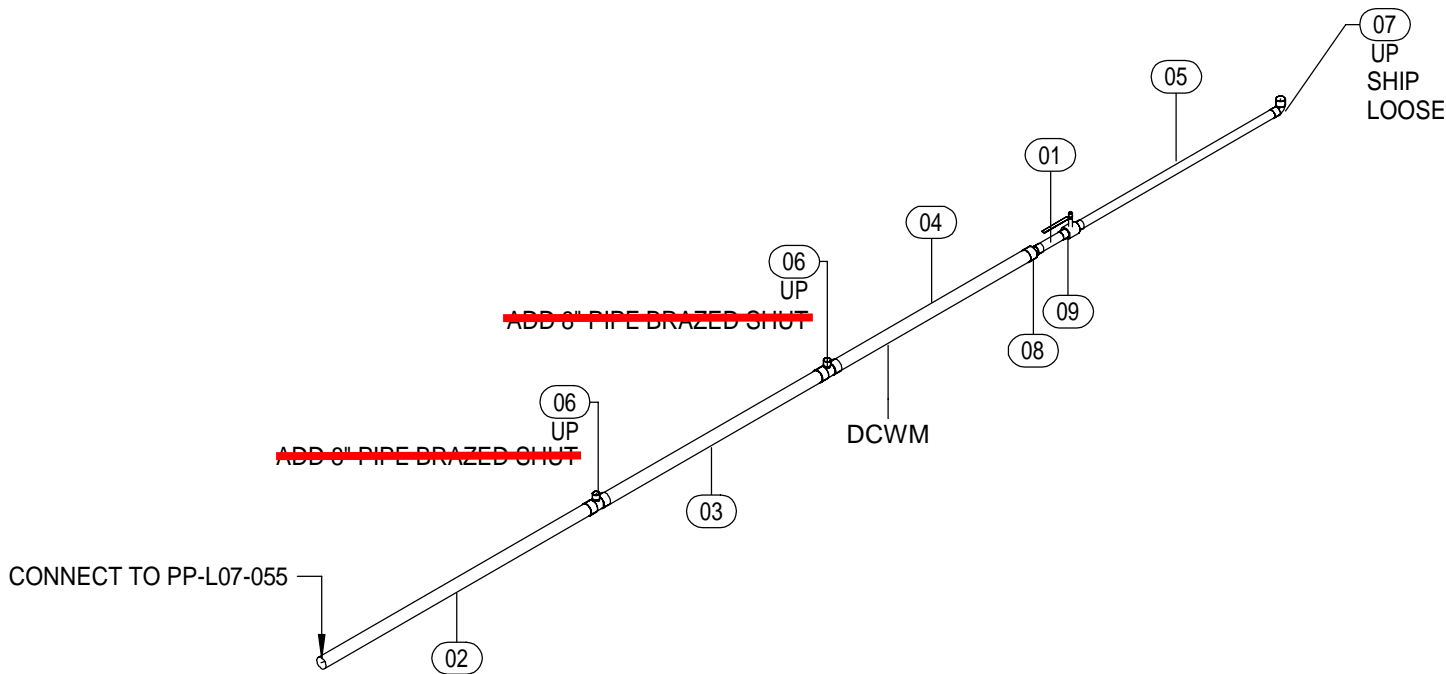
Drawn By: Author

DATE: 11/17/21

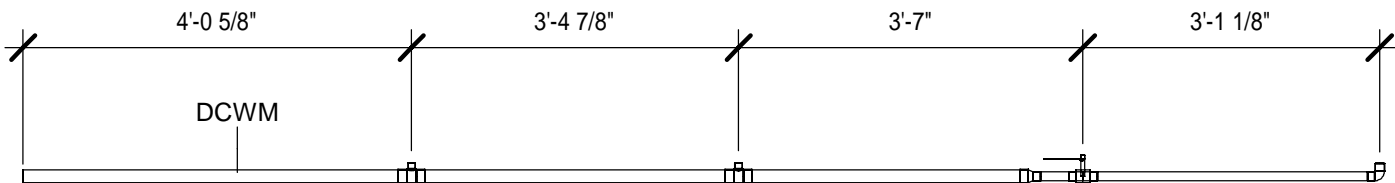
DATE REQ:

BIM 360://WUSM NRBWUSM_RB_PLF.rvt
17-11-2021 10:38:42

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1"	Cerro Type L Hard Copper Pipe	0'-5 5/16"				1/2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	4'-0"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-3 3/4"				1"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-11 11/16"				1"
05	1	1"	Cerro Type L Hard Copper Pipe	2'-11 9/16"				1/2"
06	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
07	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1/2"
08	1	1 1/2"x1"	Nibco Wrot 600R Red Cplg CxC					1"
09	1	1"	Apollo 77CLF-140 LF-Brz 2pc FP SS-B&S Ball Valve Swt					1/2"



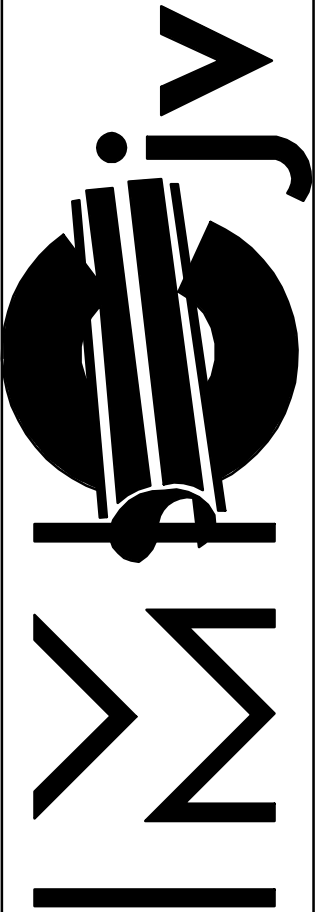
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

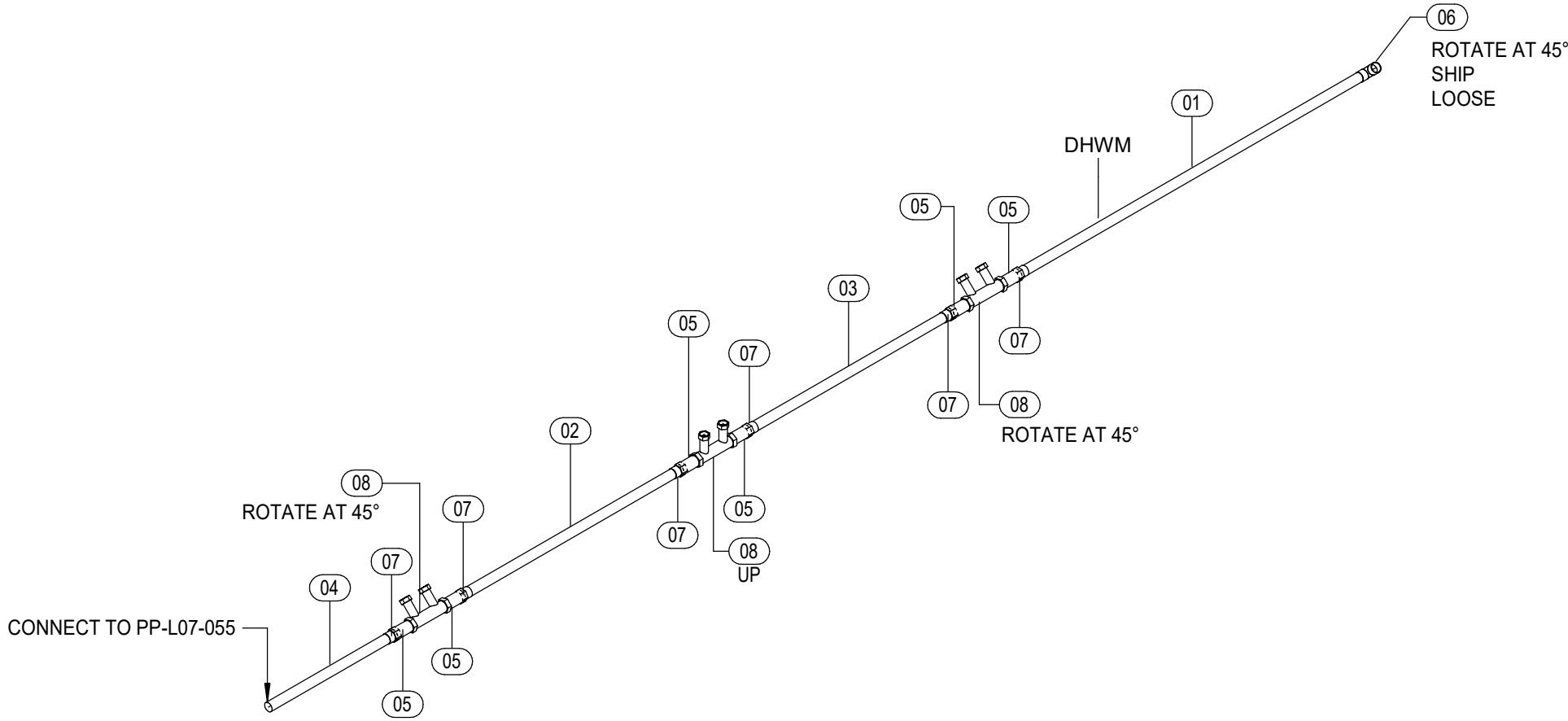
JOB:	WASH U NRB
TICKET:	DCWM-L07-056
Drawn By: Author	
DATE: 11/17/21	DATE REQ:



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

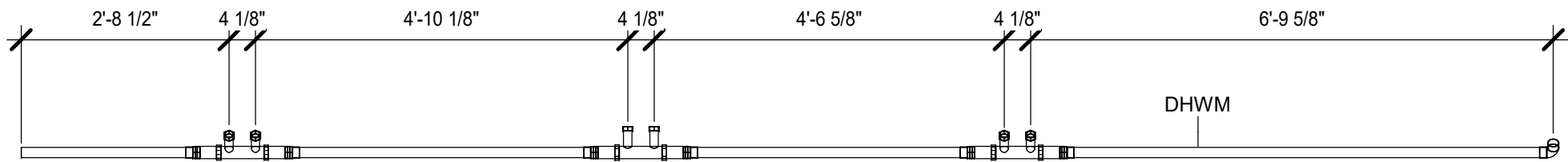
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11/19/2021 11:36:06 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	6'-2 7/8"				2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-10 9/16"				2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-7 3/16"				2"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	2'-2 3/4"				2"
05	6	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					2"
06	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					2"
07	6	1 1/2"	Nibco Wrot 603 Adapter CxF					2"
08	3	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"



1 ISOMETRIC

SCALE:

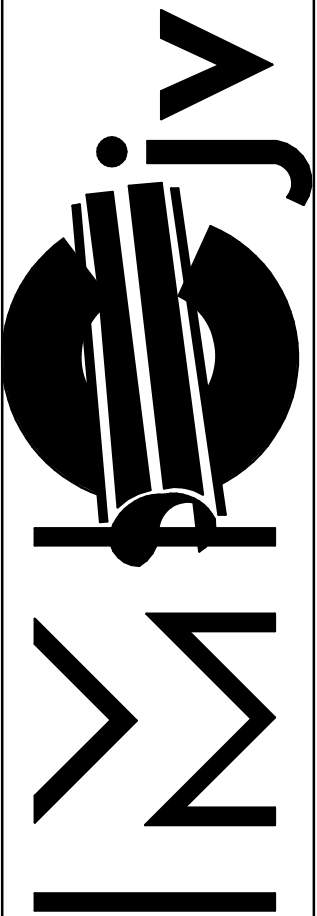


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

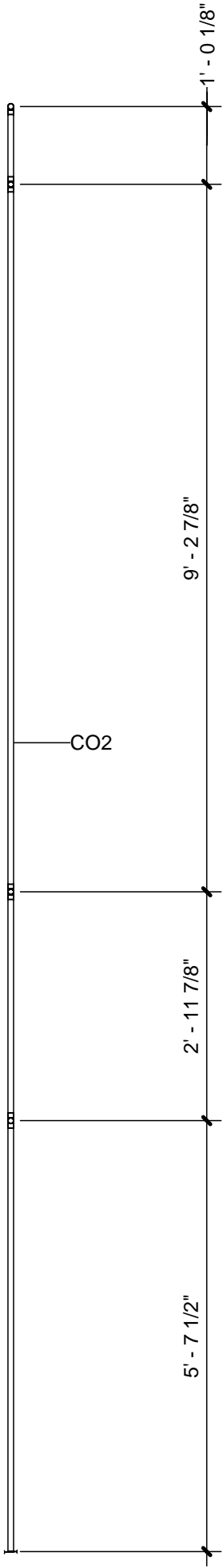
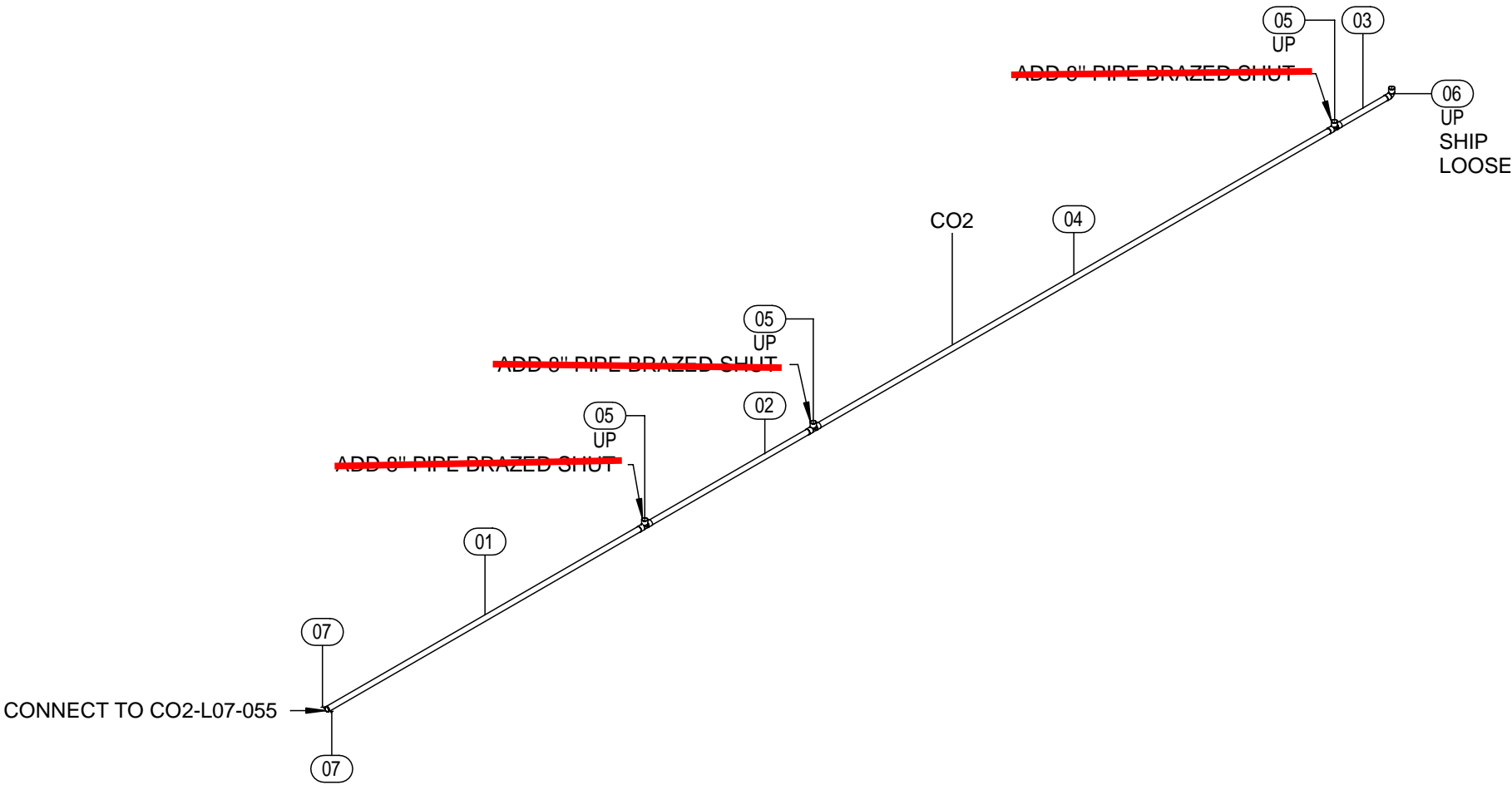
JOB: WASH U NRB	TICKET: DHWM-L07-056	Drawn By: Author	DATE: 11/17/21
			DATE REQ:



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314-997-6600 phone

BIM 360//WUSM NRBWUSM_RB_PUF.rvt
17-11-2021 11:02:22

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	5'-7 1/16"				
02	1	3/4"	Cerro Type L Hard Copper - CFOS	2'-10 15/16"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-11 1/4"				
04	1	3/4"	Cerro Type L Hard Copper - CFOS	9'-1 15/16"				
05	3	3/4"	Nibco 611-CB CFOS Wrot Copper Tee					
06	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
07	2	3/4"	Generic Silfos Brazed Joint					

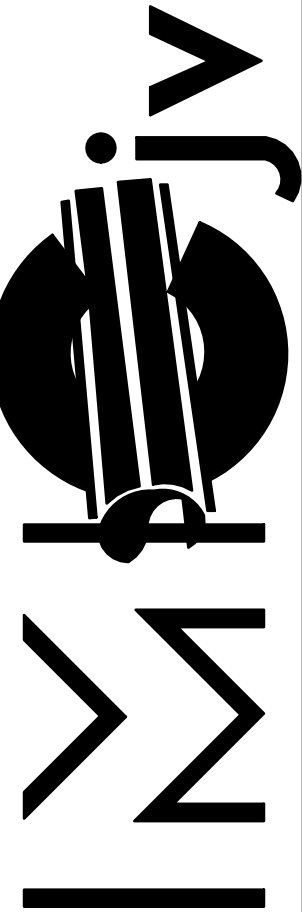


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

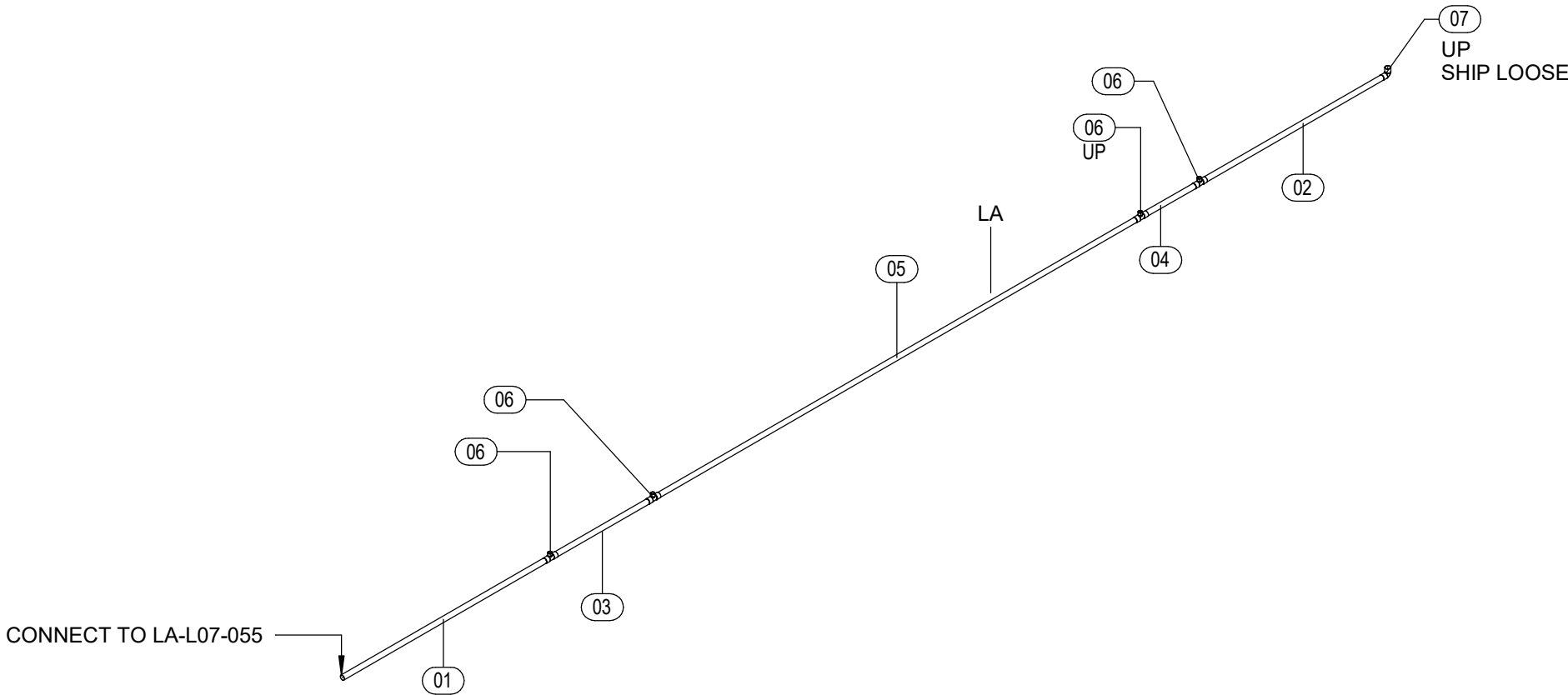
JOB: WASH U NRB
TICKET: CO2-L07-056
Drawn By: Author
DATE: 11/17/21 DATE REQ:



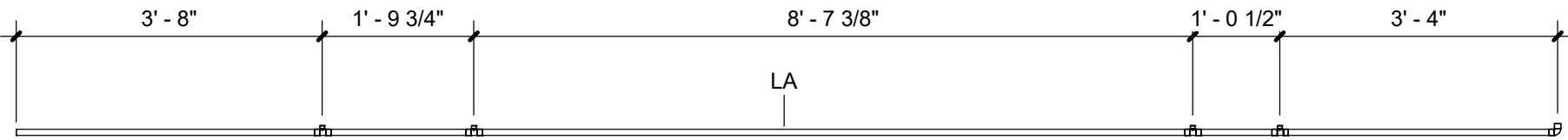
1233 N. Price Rd.
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314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/7/2022 11:41:47 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-7 5/8"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-3"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-8 7/8"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-11 5/8"	
05	1	3/4"	Cerro Type L Hard Copper - CFOS	8'-6 1/2"	
06	4	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
07	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		



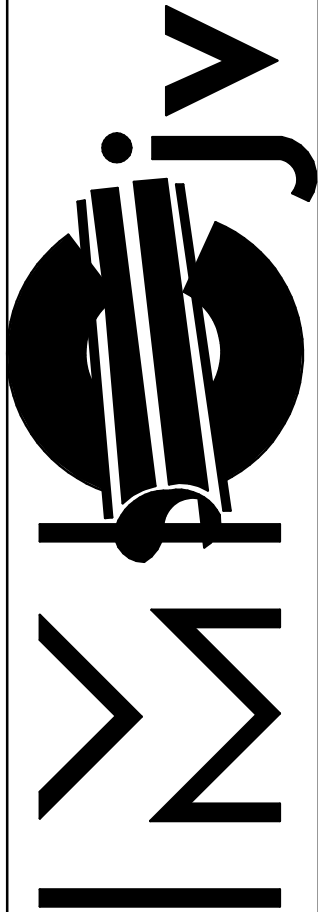
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

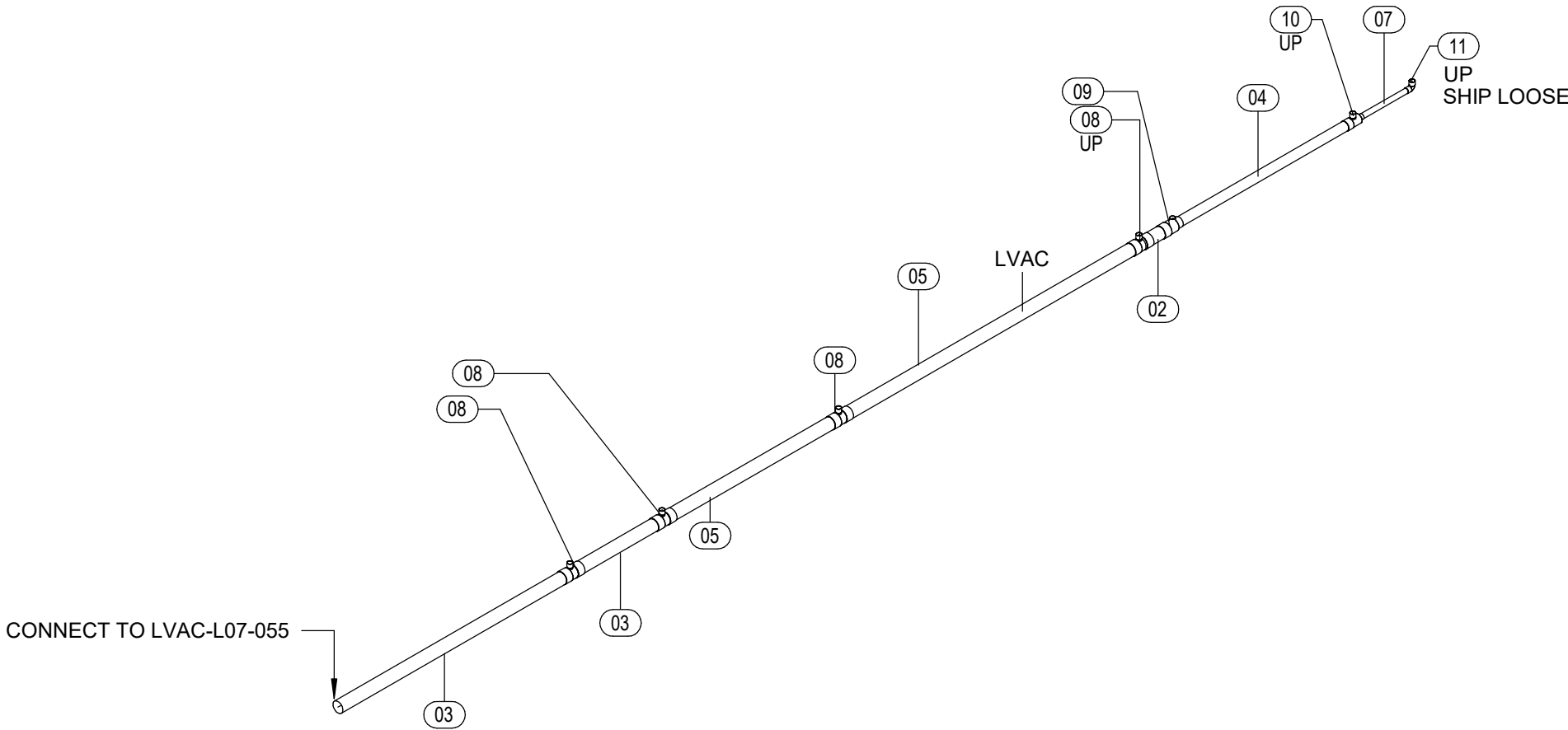
JOB: WASH U NRB	TICKET: LA-L07-056	Drawn By: Author	DATE REQ: 11/18/21
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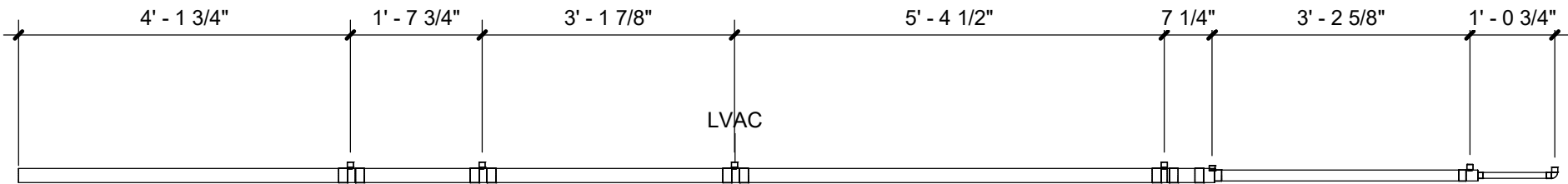
1233 N. Price Rd.
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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/7/2022 11:42:13 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type L Hard Copper - CFOS	5'-3 1/4"	
02	1	2"	Cerro Type L Hard Copper - CFOS	0'-5 1/2"	
03	1	2"	Cerro Type L Hard Copper - CFOS	4'-1 3/8"	
04	1	1 1/2"	Cerro Type L Hard Copper - CFOS	3'-1 3/4"	
05	1	2"	Cerro Type L Hard Copper - CFOS	3'-0 5/8"	
06	1	2"	Cerro Type L Hard Copper - CFOS	1'-6 1/2"	
07	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-11"	
08	4	2"x3/4"x2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
09	1	2"x3/4"x1 1/2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
10	1	1 1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
11	1	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		



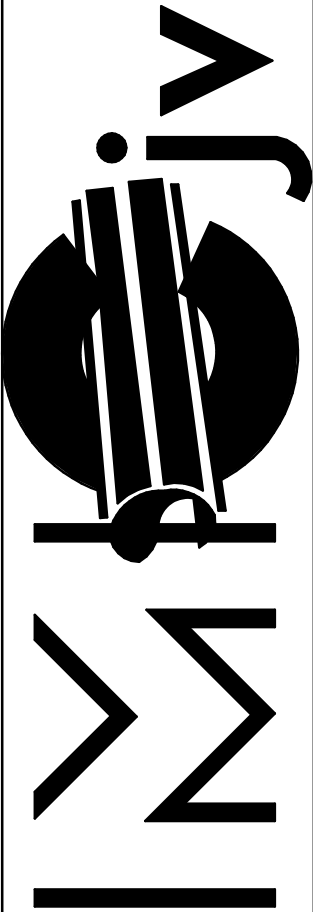
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

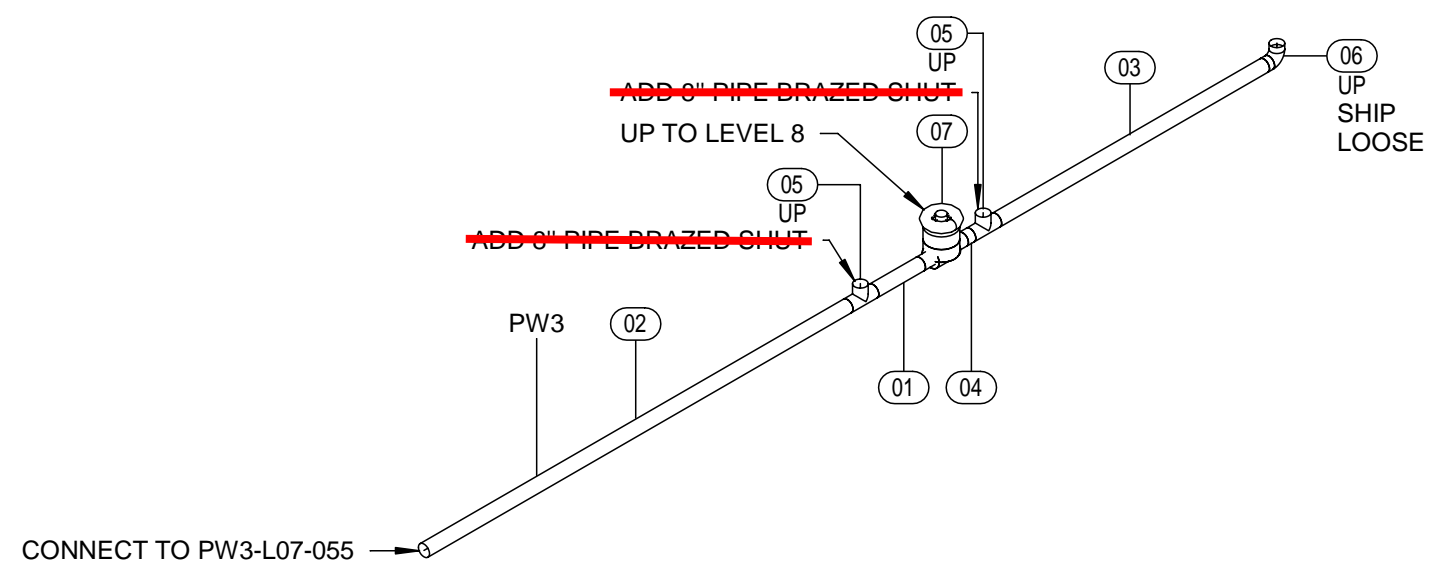
JOB: WASH U NRB	TICKET: LVAC-L07-056	Drawn By: Author	DATE: 11/18/21
DATE REQ:			



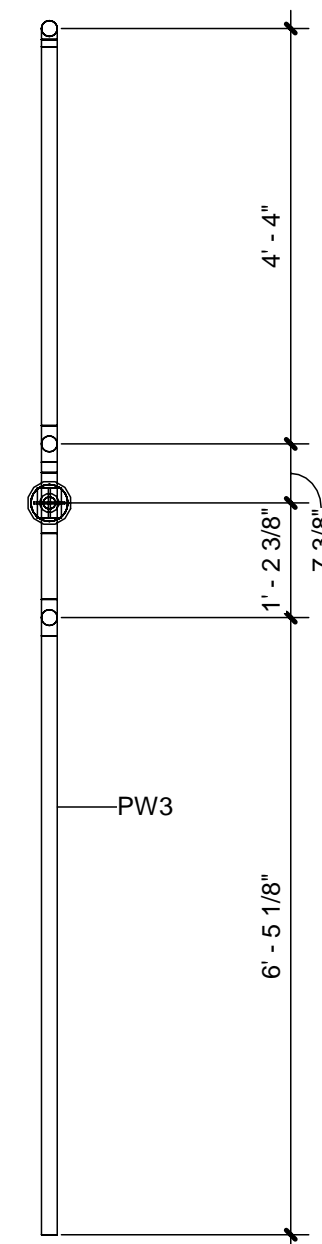
1233 N. Price Rd.
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BIM 360://WUSMNRB/WUSM_RB_PUF.rtf
17-11-2021 17:51:33

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	0'-8 1/4"				
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	6'-2 7/8"				
03	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	3'-11 3/8"				
04	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	0'-1 5/16"				
05	2	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee					
06	1	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



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: PW3-L07-056

Drawn By: Author

DATE: 11/17/21	DATE REQ:
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