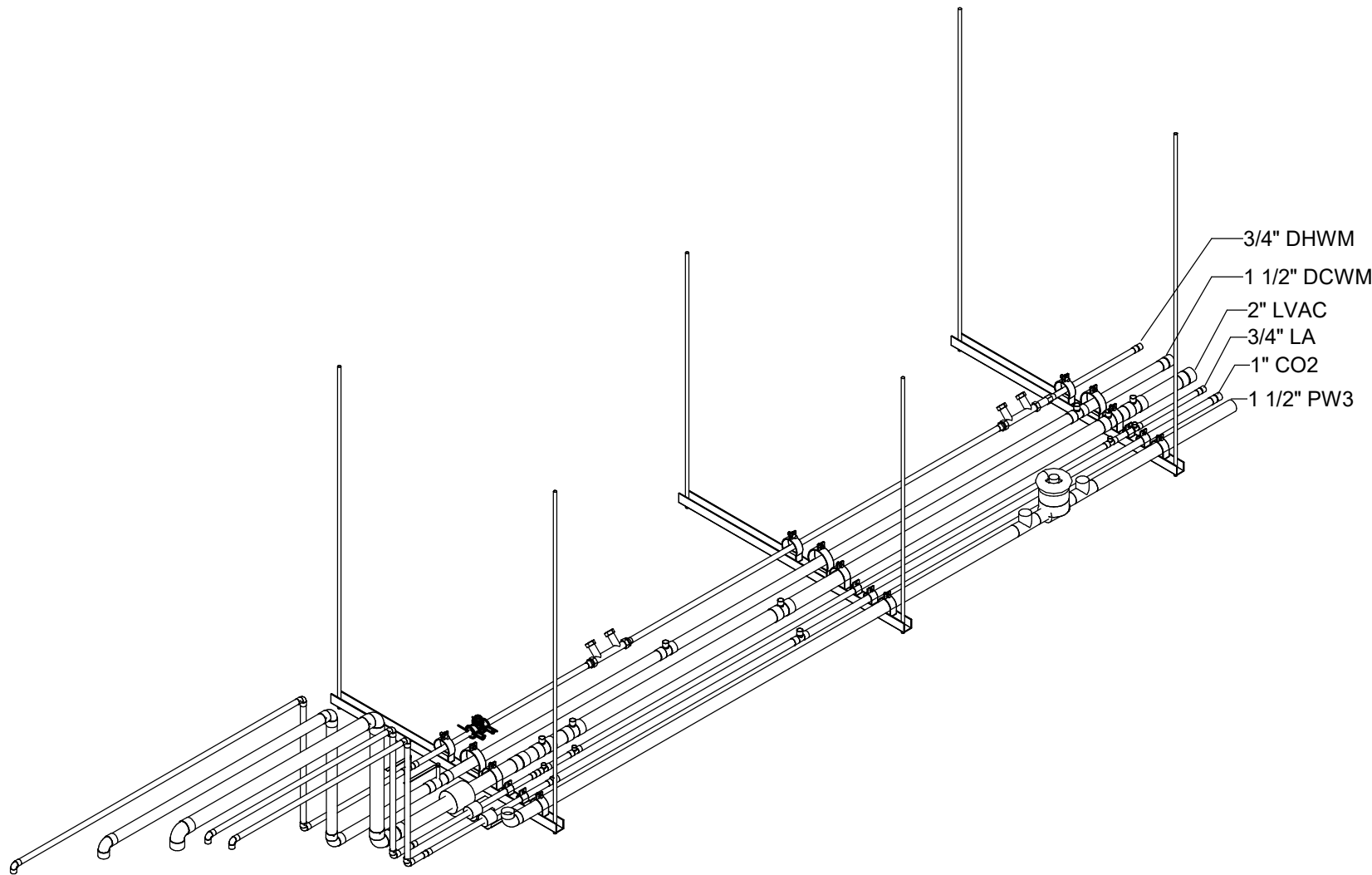
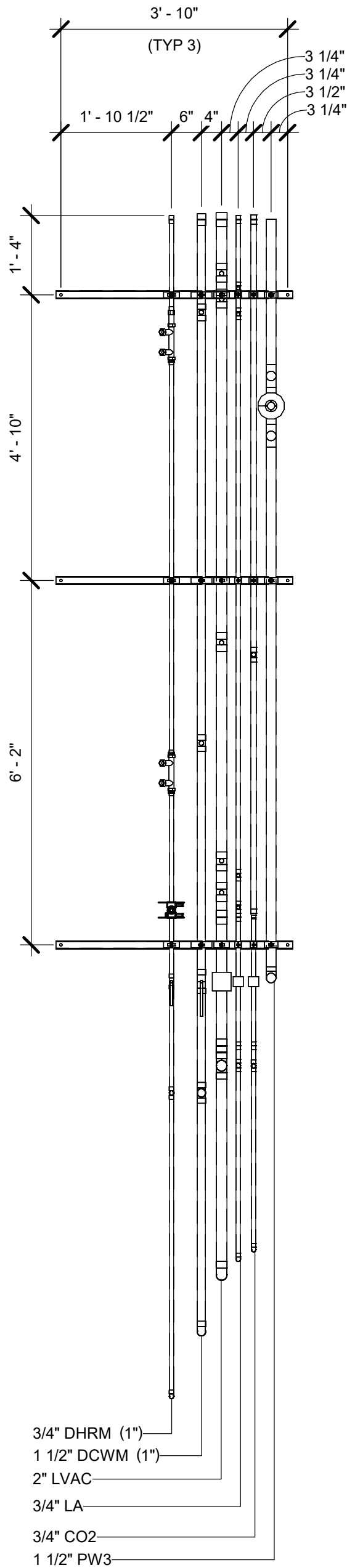


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11/19/2021 9:33:53 AM



1 AS-L07-062 - ISOMETRIC
AS-L07-062 SCALE:



2 AS-L07-062
AS-L07-062 SCALE: 1/2" = 1'-0"

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A2	A4	B2	B4

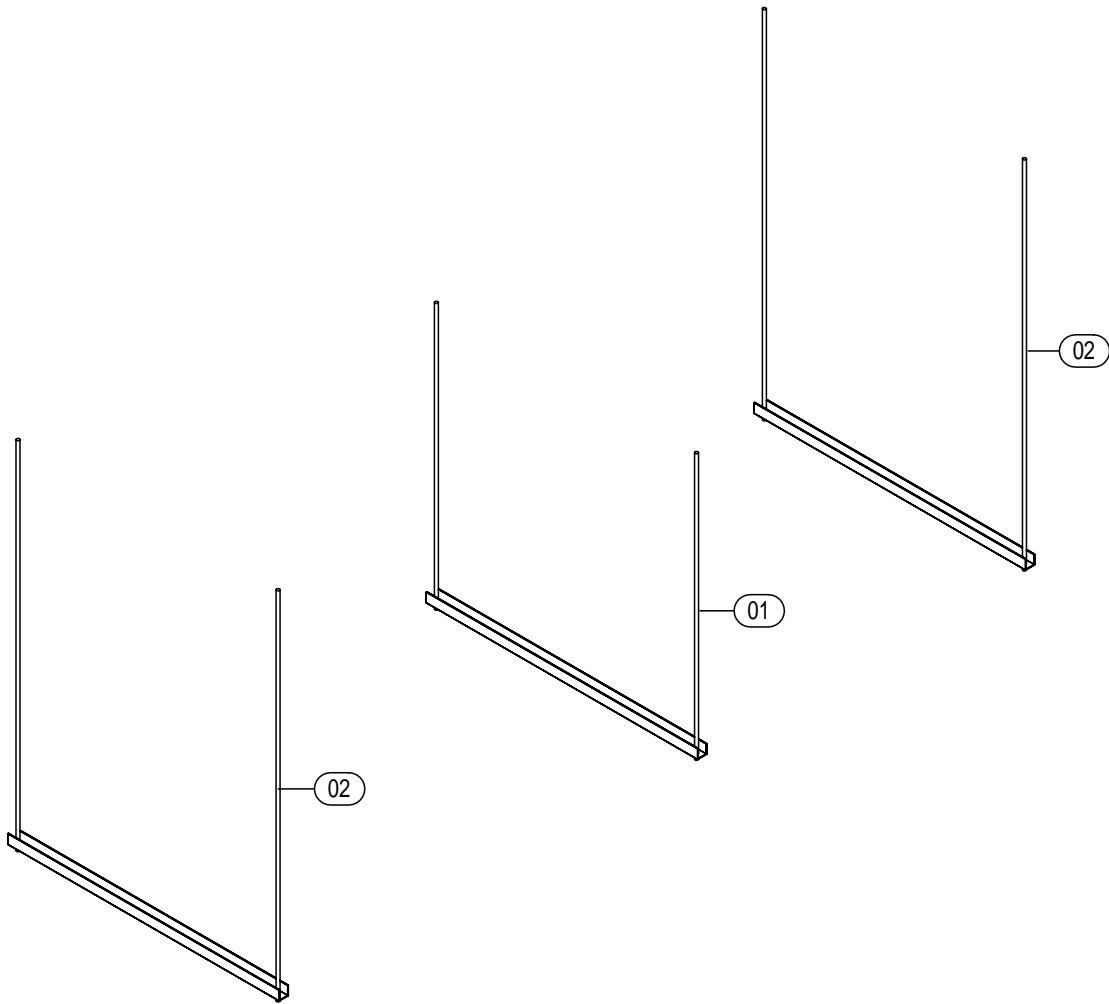
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TICKET: AS-L07-062
Drawn By: Author
DATE: 11/18/21 DATE REQ:



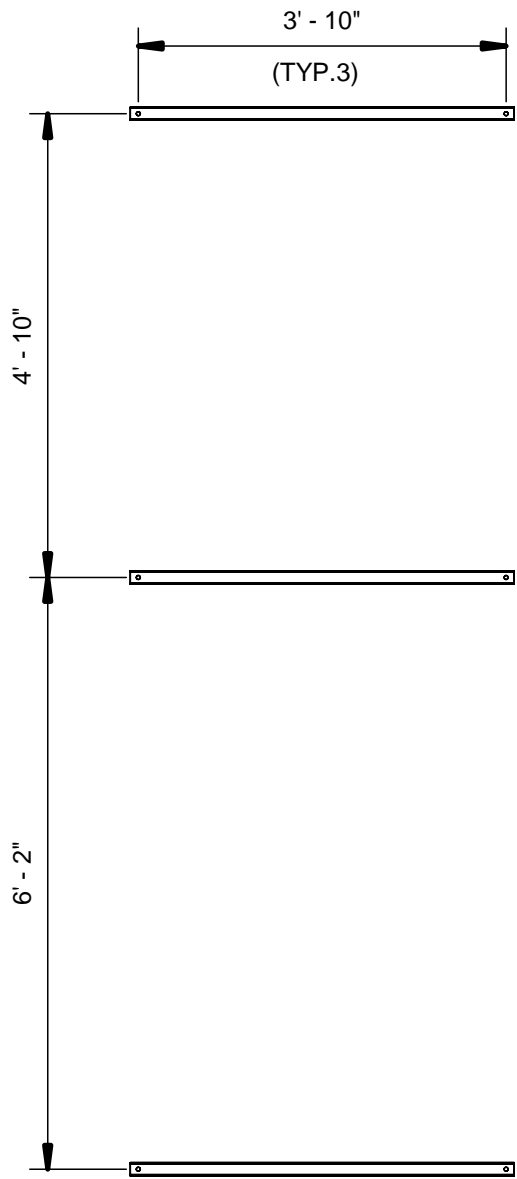
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360/WUSM NRBWUSM_RB_HPE.rvt
22-11-2021 11:16:01

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	44"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		4' - 0"	3' - 10 15/16"	3' - 10 15/16"	
02	2	44"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		4' - 0"	5' - 2 15/16"	5' - 2 15/16"	



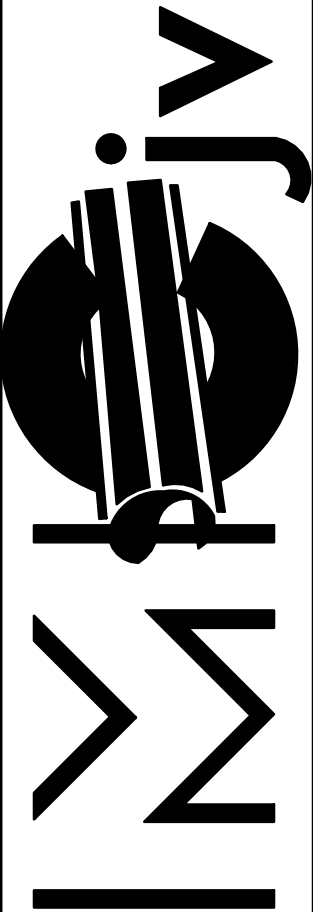
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: HPHGR-L07-062
Drawn By: Author
DATE: 11/22/21
DATE REQ:



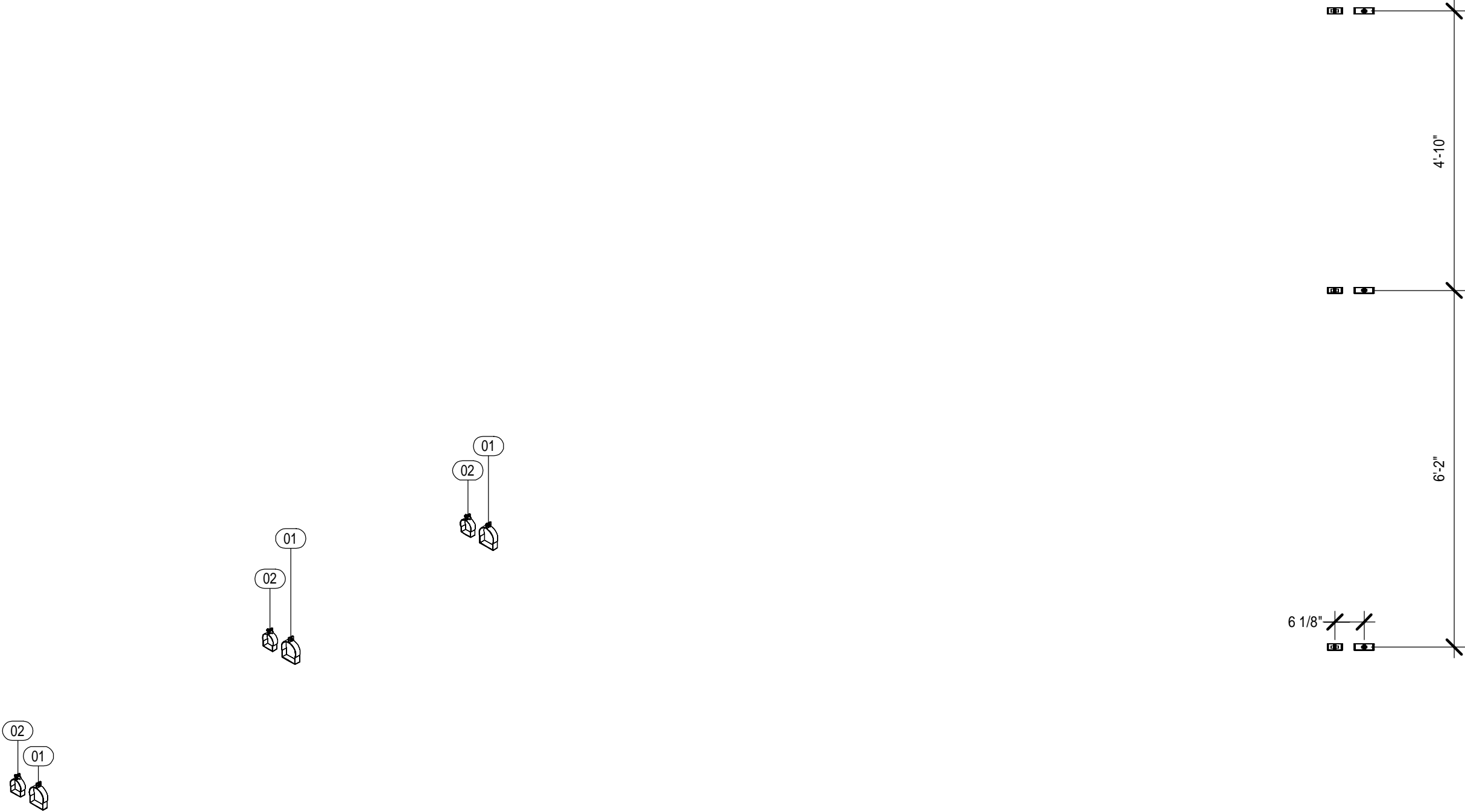
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB/WUSM_RB_PLE.rvt
18-11-2021 13:17:56

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
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02	3	2 7/8"	B Line #2014
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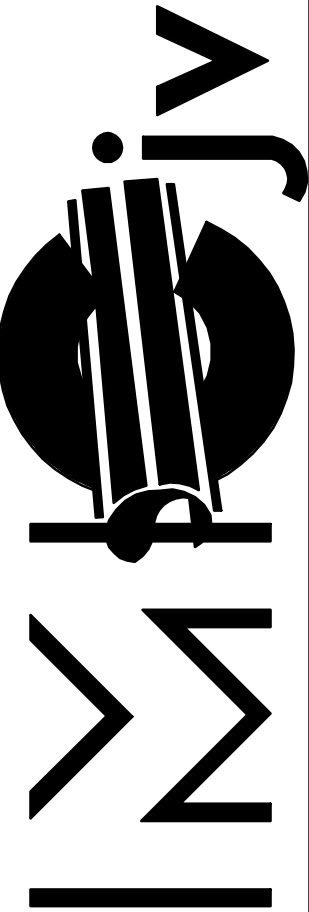


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

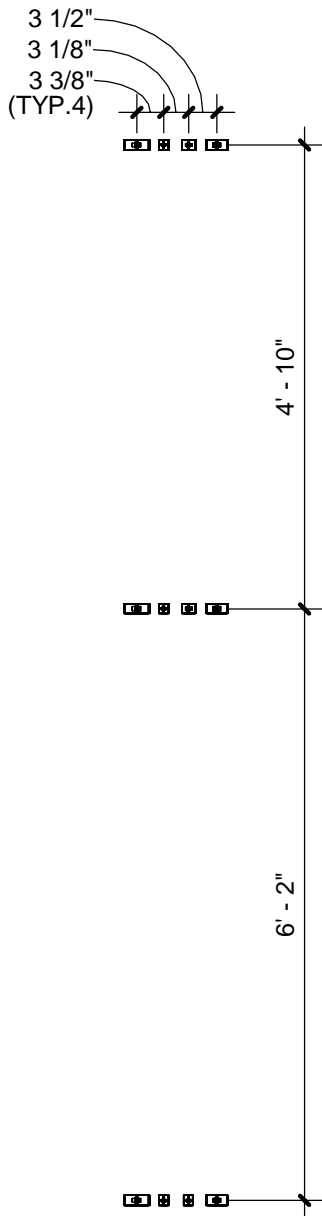
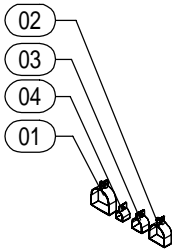
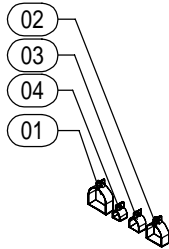
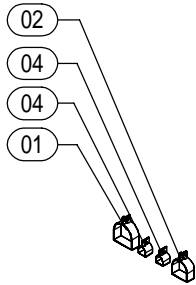
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TICKET:	PPHGR-L07-062
Drawn By: Author	
DATE: 11/18/21	DATE REQ:



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BIM 360://WUSM NRBWUSM_RB_PUF.rvt
19-11-2021 01:40:29

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	2	1.25"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
04	4	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	

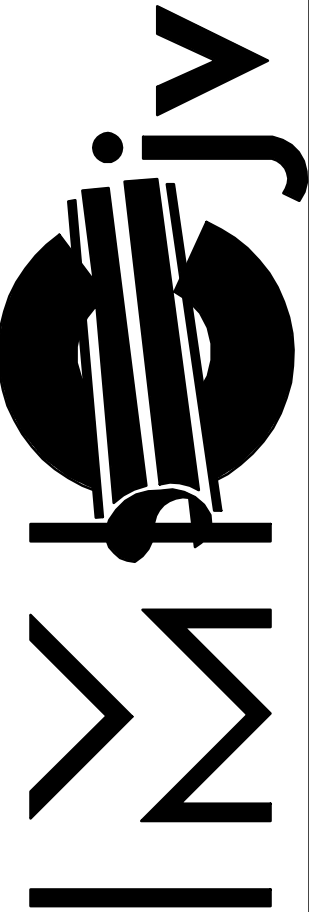


1 ISOMETRIC
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

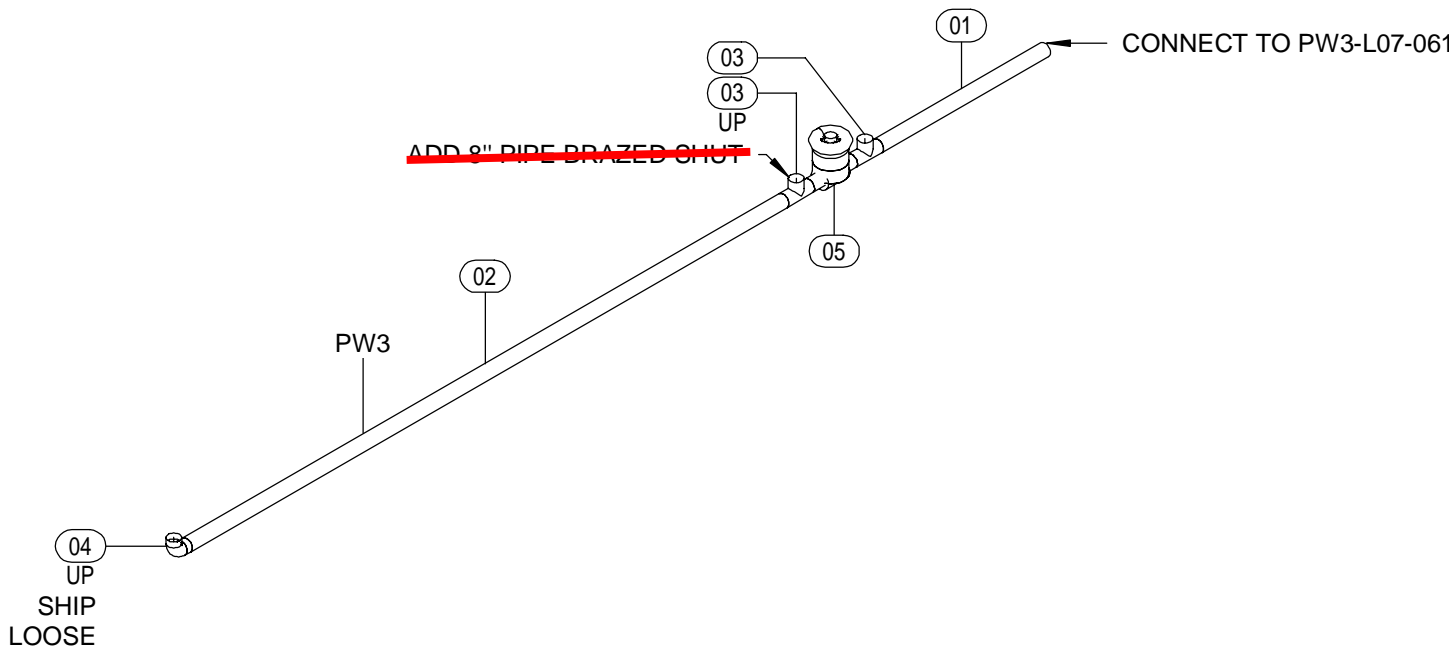
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TICKET:	PUHGR-L07-062
Drawn By: Author	
DATE: 11/19/21	DATE REQ:



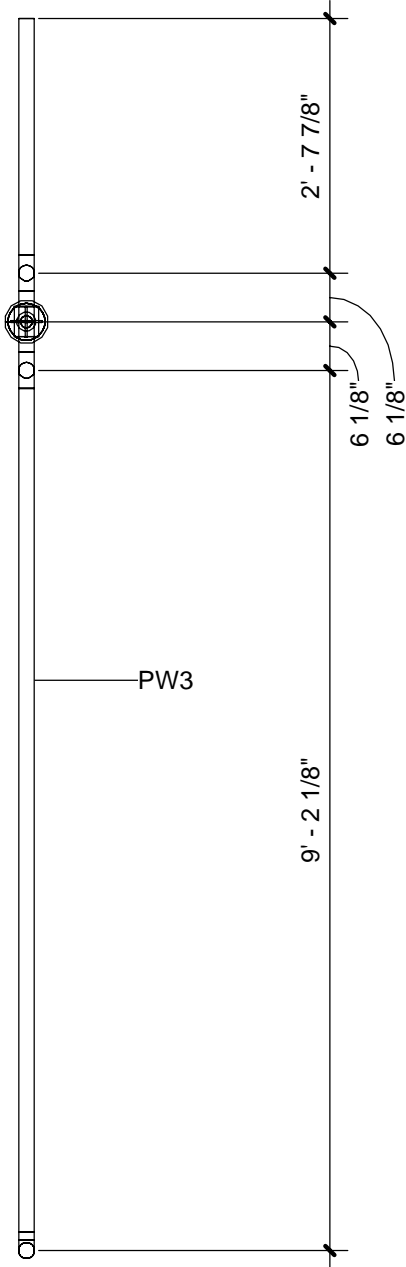
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St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
18-11-2021 17:24:06

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



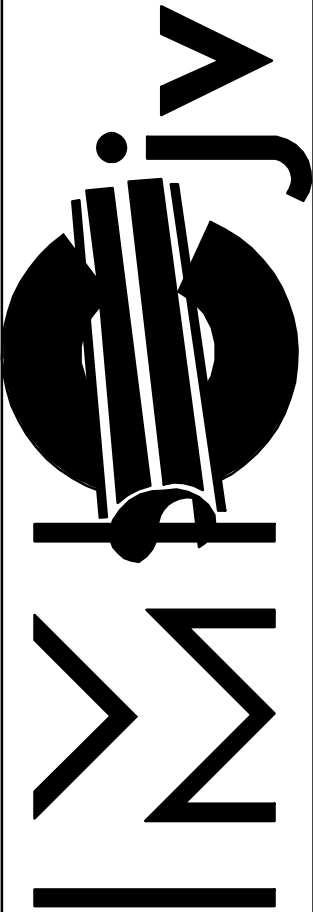
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

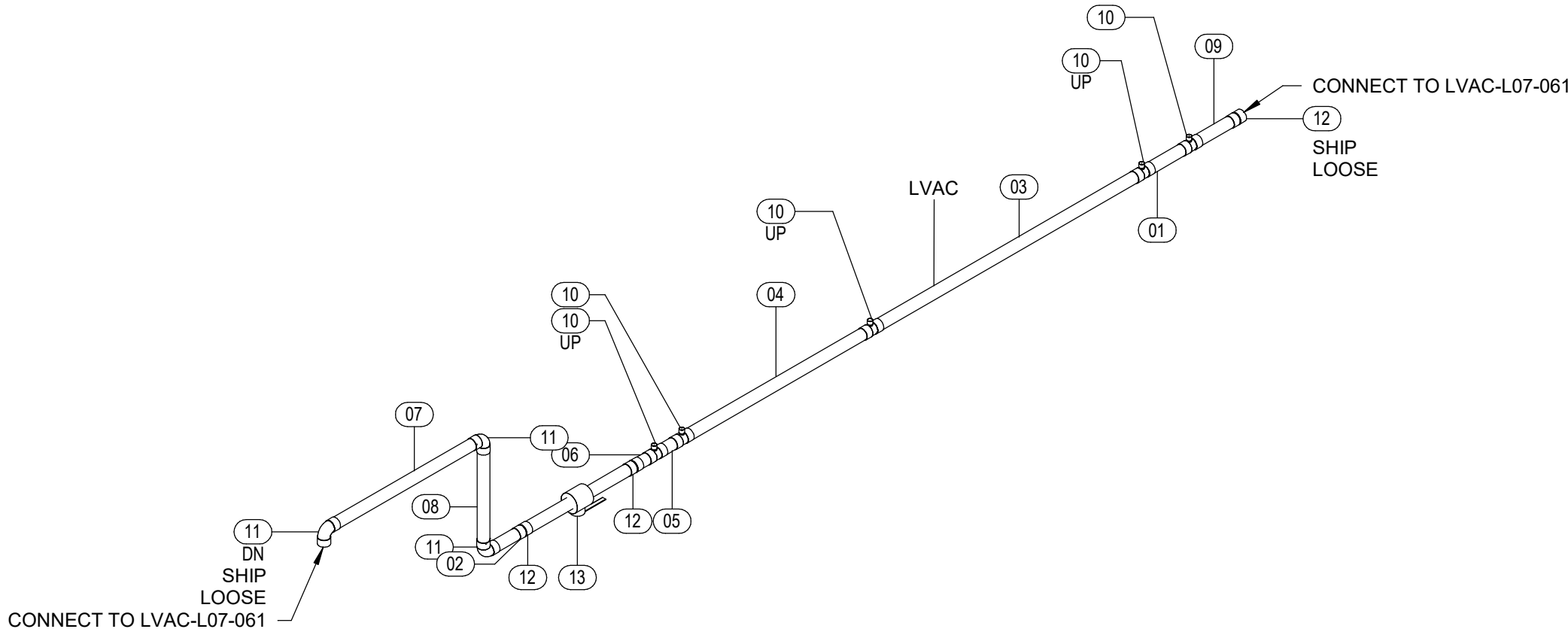
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TICKET:	PW3-L07-062
Drawn By: Author	
DATE: 11/18/21	DATE REQ:



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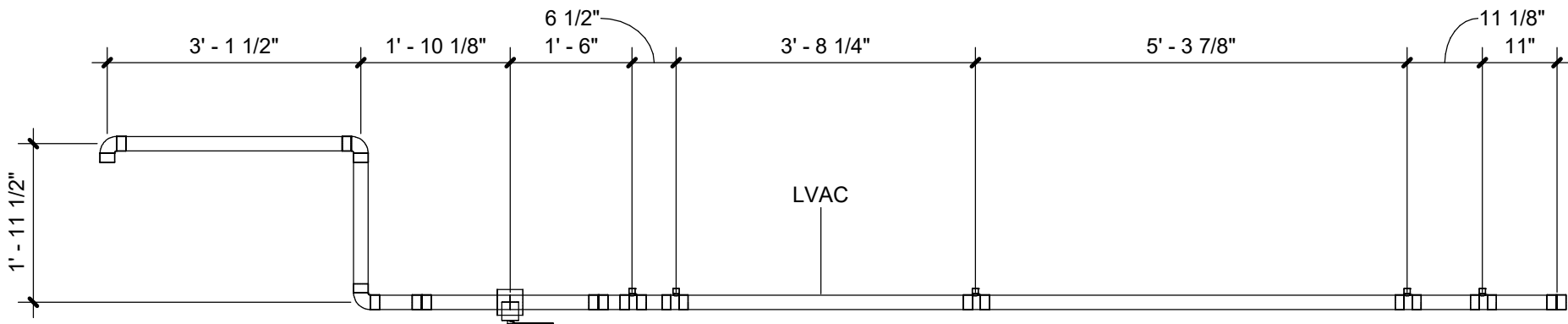
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2/8/2022 10:18:48 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type L Hard Copper - CFOS	0'-9 7/8"	
02	1	2"	Cerro Type L Hard Copper - CFOS	0'-7 1/2"	
03	1	2"	Cerro Type L Hard Copper - CFOS	5'-2 5/8"	
04	1	2"	Cerro Type L Hard Copper - CFOS	3'-7 3/8"	
05	1	2"	Cerro Type L Hard Copper - CFOS	0'-5"	
06	1	2"	Cerro Type L Hard Copper - CFOS	0'-4 1/2"	
07	1	2"	Cerro Type L Hard Copper - CFOS	2'-10 5/8"	
08	1	2"	Cerro Type L Hard Copper - CFOS	1'-8 5/8"	
09	1	2"	Cerro Type L Hard Copper - CFOS	0'-10 1/8"	
10	5	2"x3/4"x2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
11	3	2"	Nibco 607-CB CFOS Wrot 90 Elbow		
12	3	2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		
13	1	2"	Beacon Medaes SSB-820-10 Brz 3pc Dual FP Shut-Off wLk Lvr Valve		



1 ISOMETRIC

SCALE:

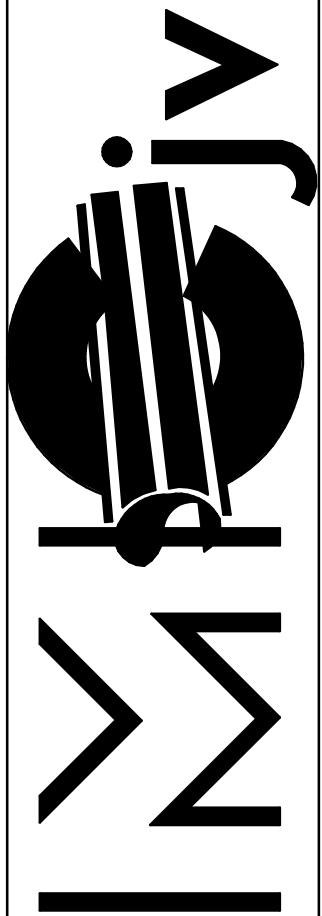


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

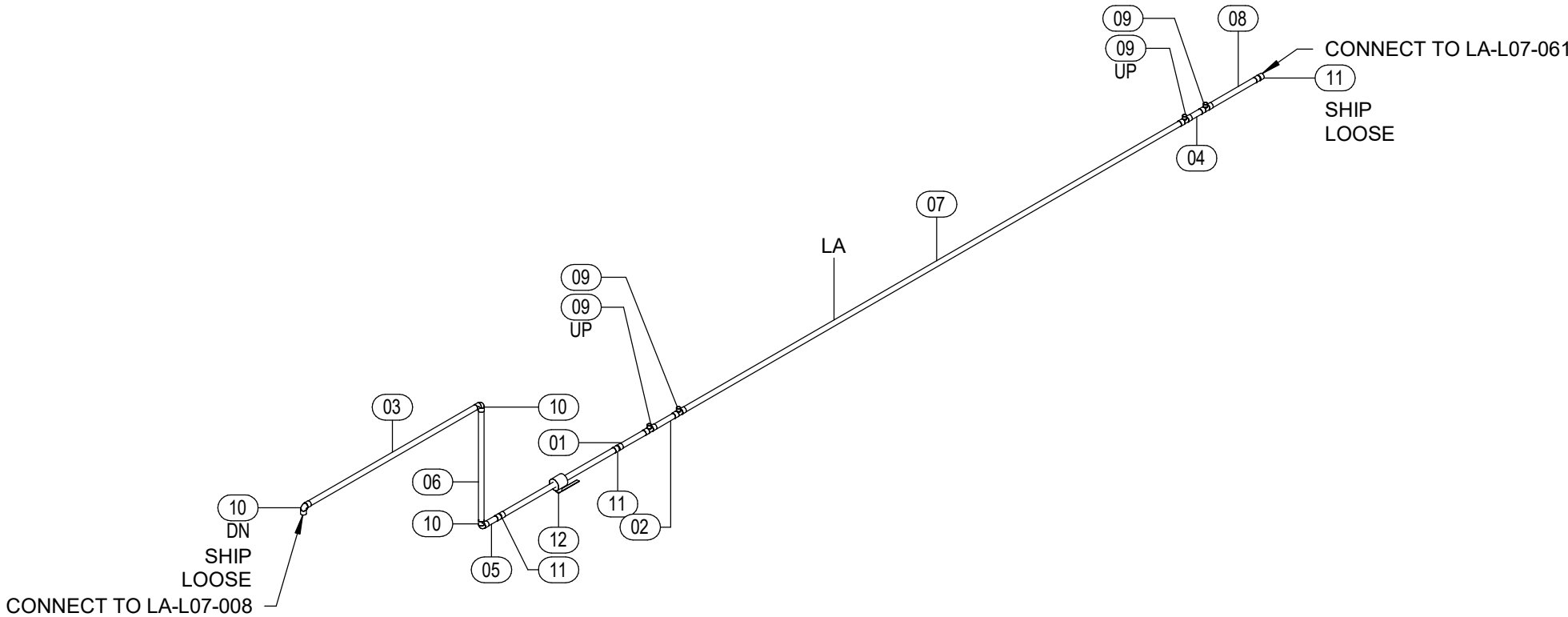
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Drawn By: Author	
DATE: 11/18/21	DATE REQ:



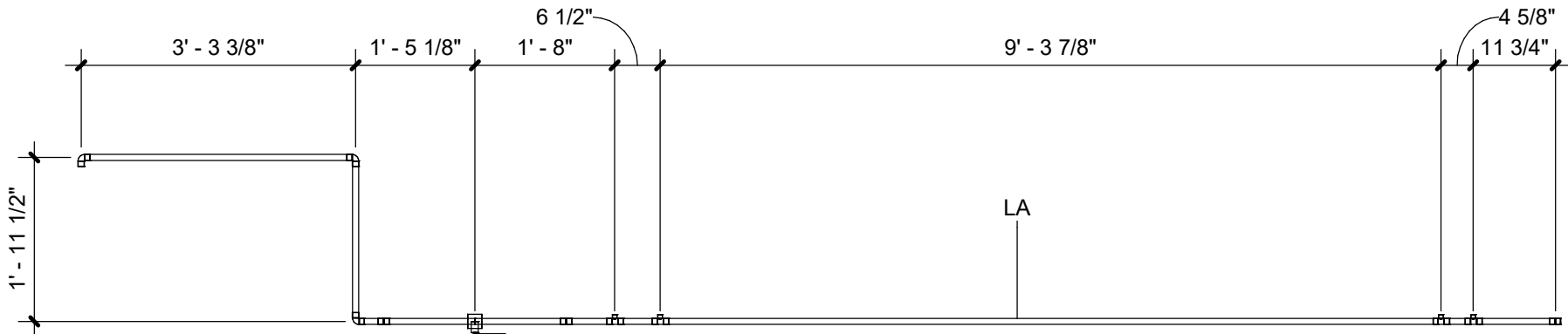
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/8/2022 10:18:25 AM

Mark	Qty	Size	Description	Length	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-6 1/2"	
02	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-5 5/8"	
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-2 3/8"	
04	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-3 3/4"	
05	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-3 1/2"	
06	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-10 1/2"	
07	1	3/4"	Cerro Type L Hard Copper - CFOS	9'-3"	
08	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-11 1/8"	
09	4	3/4"x1/2"x3/4"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		
10	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow		
11	3	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop		
12	1	3/4"	Beacon Medaes SSB-820-10 Brz 3pc Dual FP Shut-Off wLk Lvr Valve		



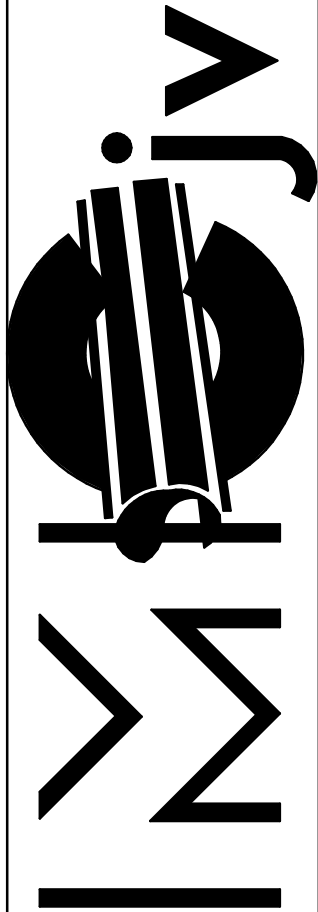
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

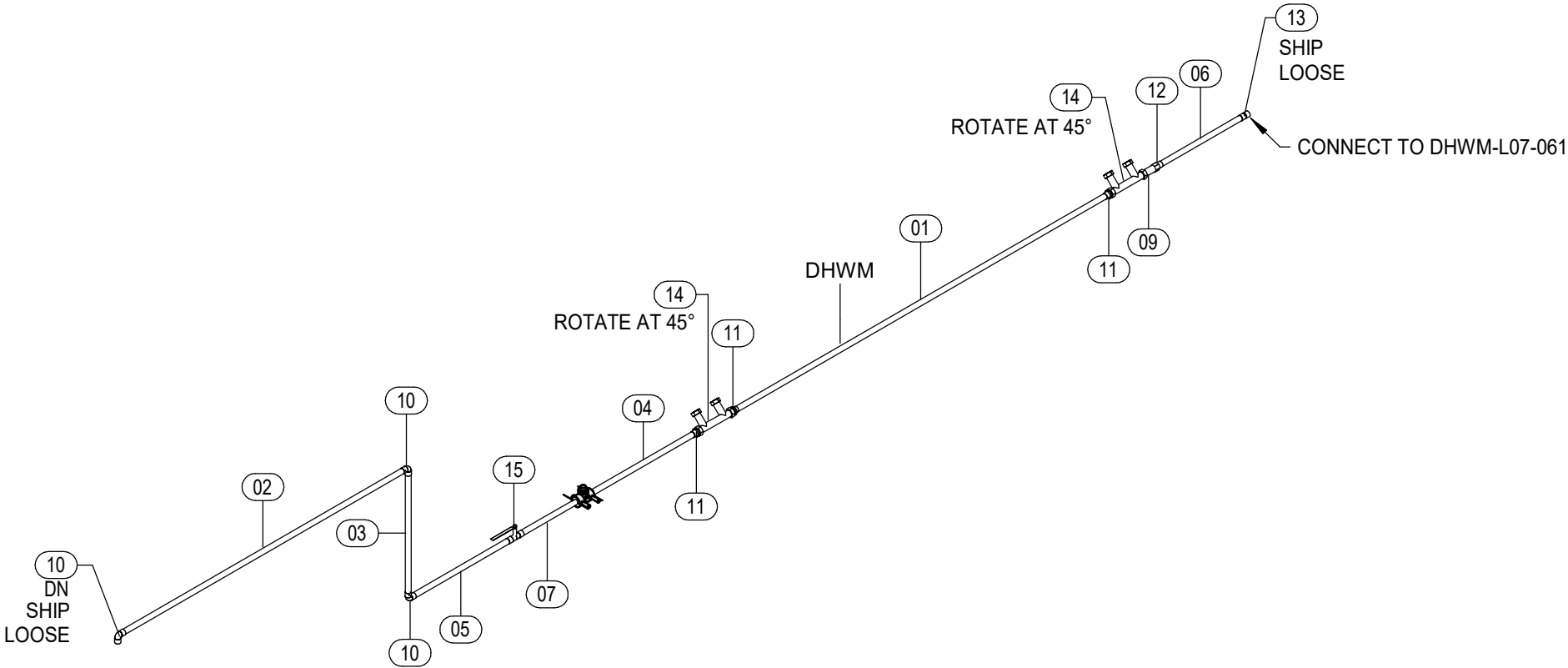
JOB: WASH U NRB	TICKET: LA-L07-062	Drawn By: Author	DATE REQ: 11/18/21
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314-997-6600 phone

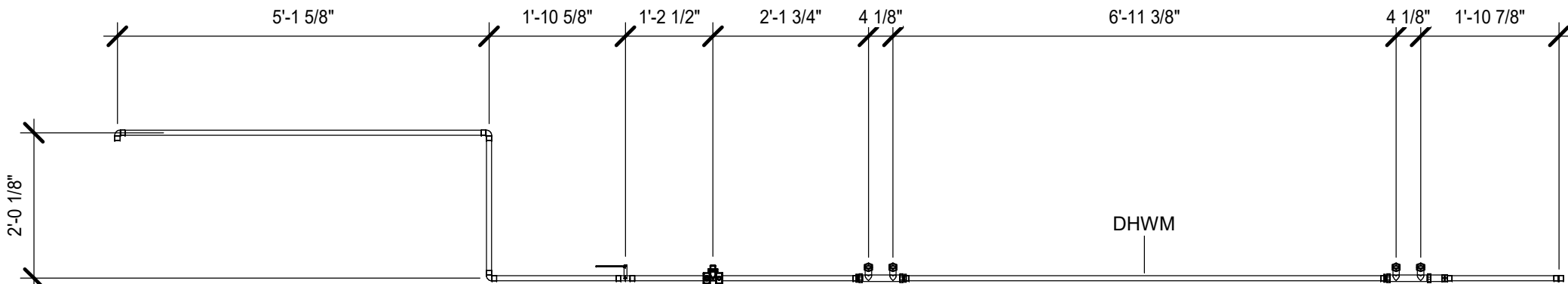
BIM 360://WUSM NRBWUSM_RB_PLF.rvt
11/19/2021 11:40:23 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper Pipe	6'-7 11/16"				1"
02	1	3/4"	Cerro Type L Hard Copper Pipe	5'-0 5/8"				1"
03	1	3/4"	Cerro Type L Hard Copper Pipe	1'-11 1/16"				1"
04	1	3/4"	Cerro Type L Hard Copper Pipe	1'-10 7/16"				1"
05	1	3/4"	Cerro Type L Hard Copper Pipe	1'-9 3/8"				1"
06	1	3/4"	Cerro Type L Hard Copper Pipe	1'-6 3/8"				1"
07	1	3/4"	Cerro Type L Hard Copper Pipe	1'-0 3/16"				1"
08	1	3/4"	A-Balancing - Circuit Setter - 0.5-2 Inch					1"
09	1	3/4"	Victaulic No.647 TT Dielectric Transition Fitting					1"
10	3	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"
11	3	3/4"	Nibco Wrot 604 Adapter CxM					1"
12	1	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	1	3/4"	Apollo 77CLF-200 150lb Brz 2pc FP Ball Valve Sdr					1"



1 ISOMETRIC

SCALE:

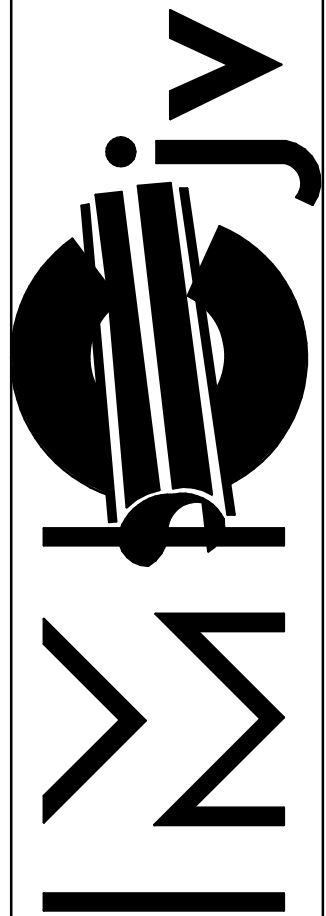


2 RIGHT ELEVATION

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

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A2	A4	B2	B4

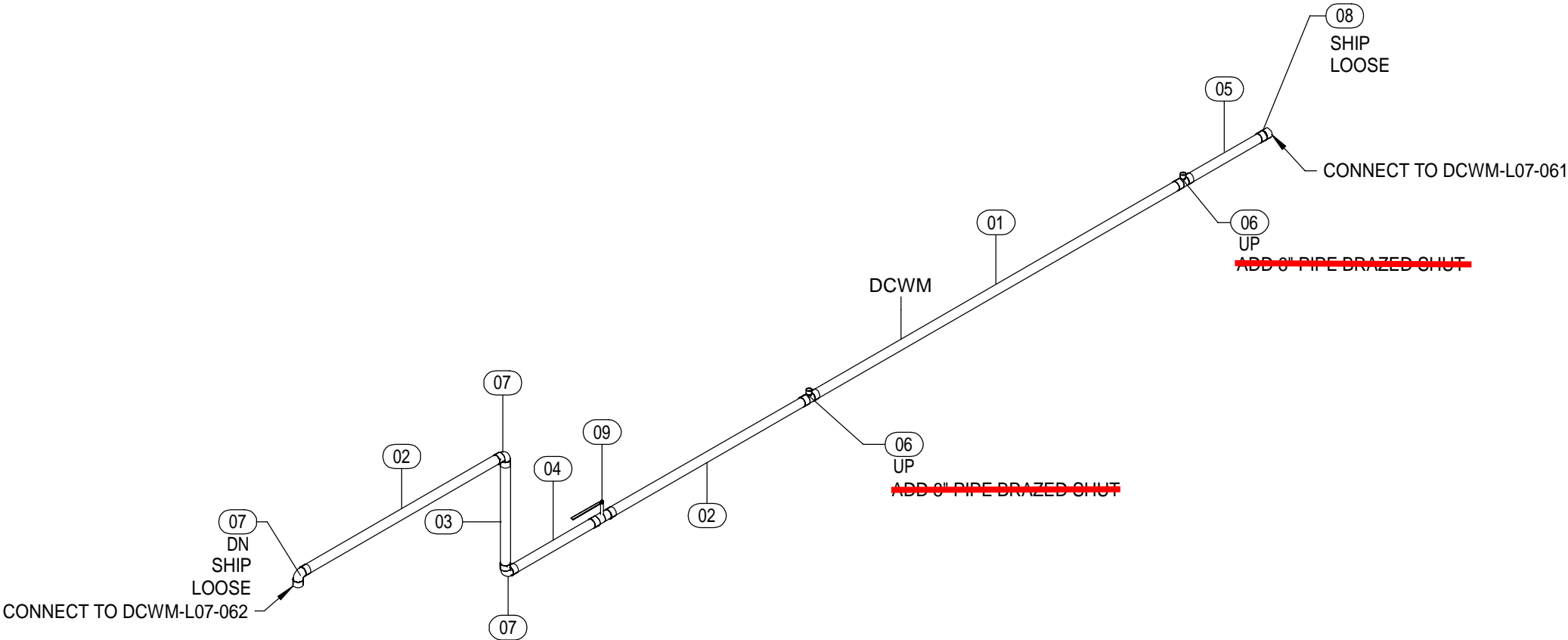
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DATE REQ:			



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

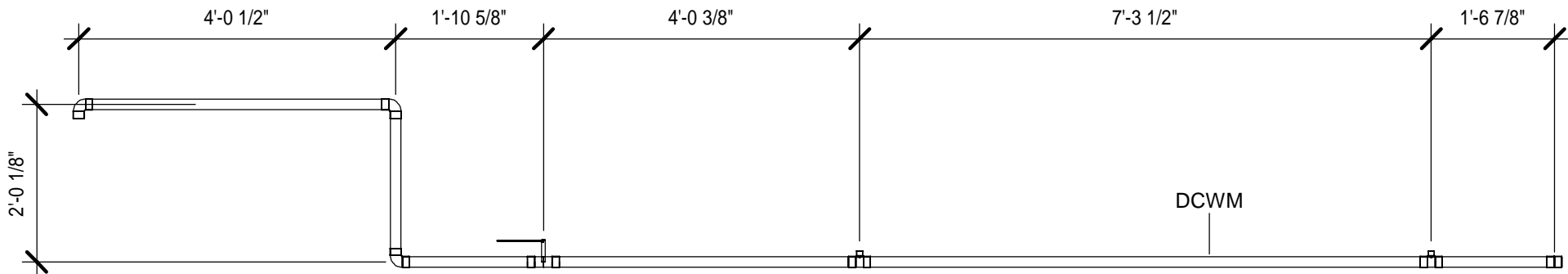
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18-11-2021 14:20:33

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



1 ISOMETRIC

SCALE:



2 RIGHT ELEVATION

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

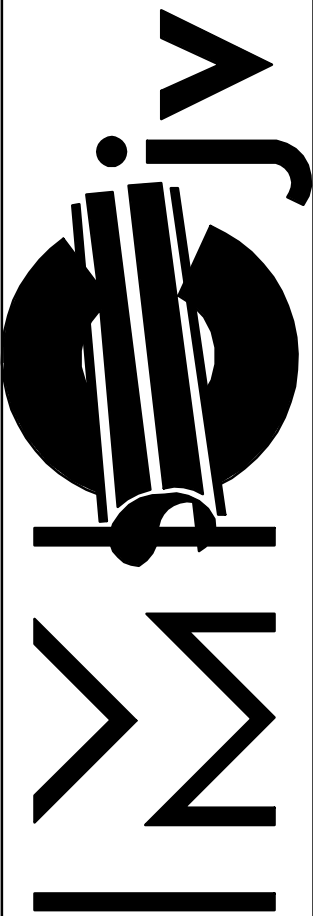
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A2	A4	B2	B4

JOB: WASH U NRB

TICKET: DCWM-L07-062

Drawn By: Author

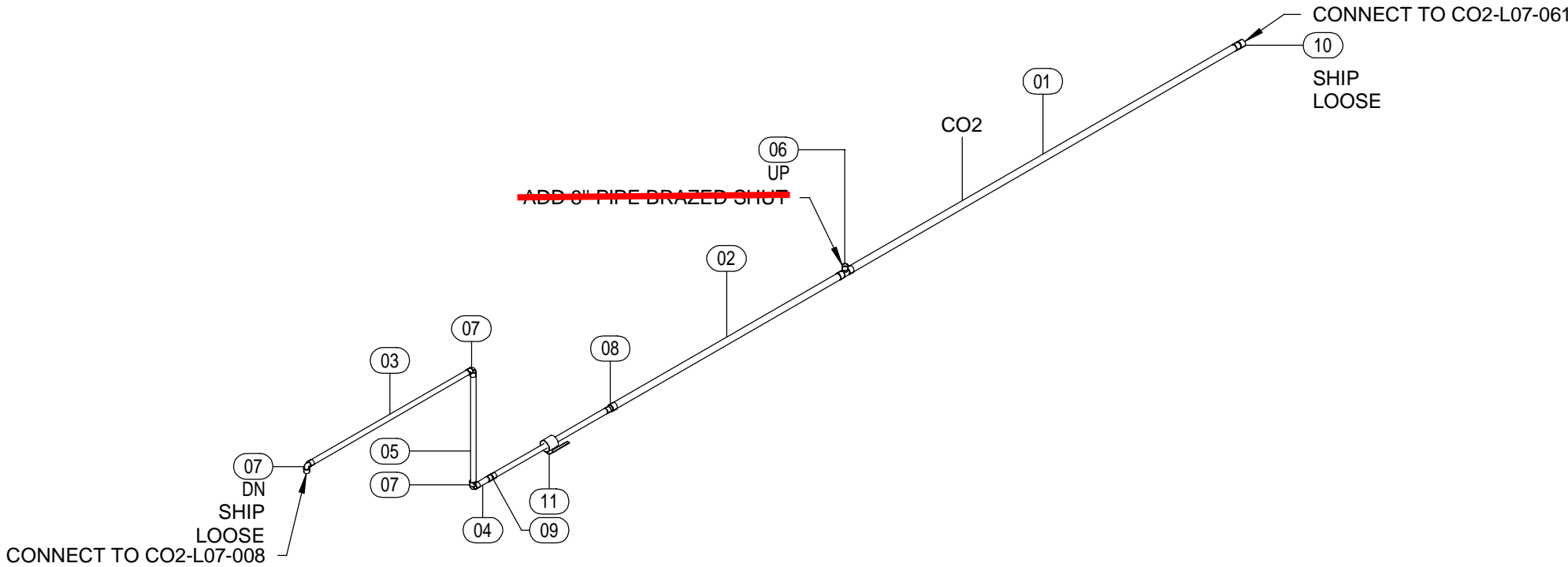
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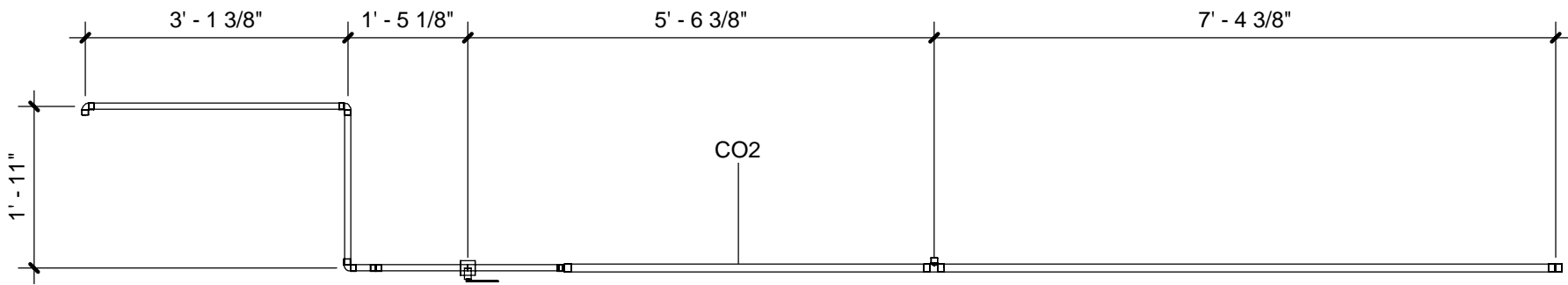
1233 N. Price Rd.
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BIM 360//WUSM NRBWUSM_RB_PUF.rvt
18-11-2021 17:34:00

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1"	Cerro Type L Hard Copper - CFOS	7'-3 3/4"				
02	1	1"	Cerro Type L Hard Copper - CFOS	4'-4"				
03	1	3/4"	Cerro Type L Hard Copper - CFOS	3'-0 3/8"				
04	1	3/4"	Cerro Type L Hard Copper - CFOS	0'-3 9/16"				
05	1	3/4"	Cerro Type L Hard Copper - CFOS	1'-10"				
06	1	1"x3/4"x1"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee					
07	3	3/4"	Nibco 607-CB CFOS Wrot 90 Elbow					
08	1	1"x3/4"	Nibco 600R-CB CFOS Wrot Copper Reducing Coupling					
09	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					
10	1	1"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					
11	1	3/4"	Beacon Medaes SSB-820-10 Brz 3pc Dual FP Shut-Off wLk Lvr Valve					



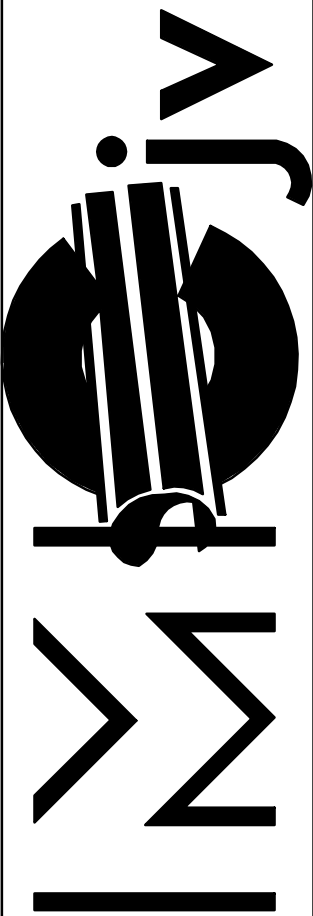
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB
TICKET: CO2-L07-062
Drawn By: Author
DATE: 11/18/21
DATE REQ:



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314-997-6600 phone