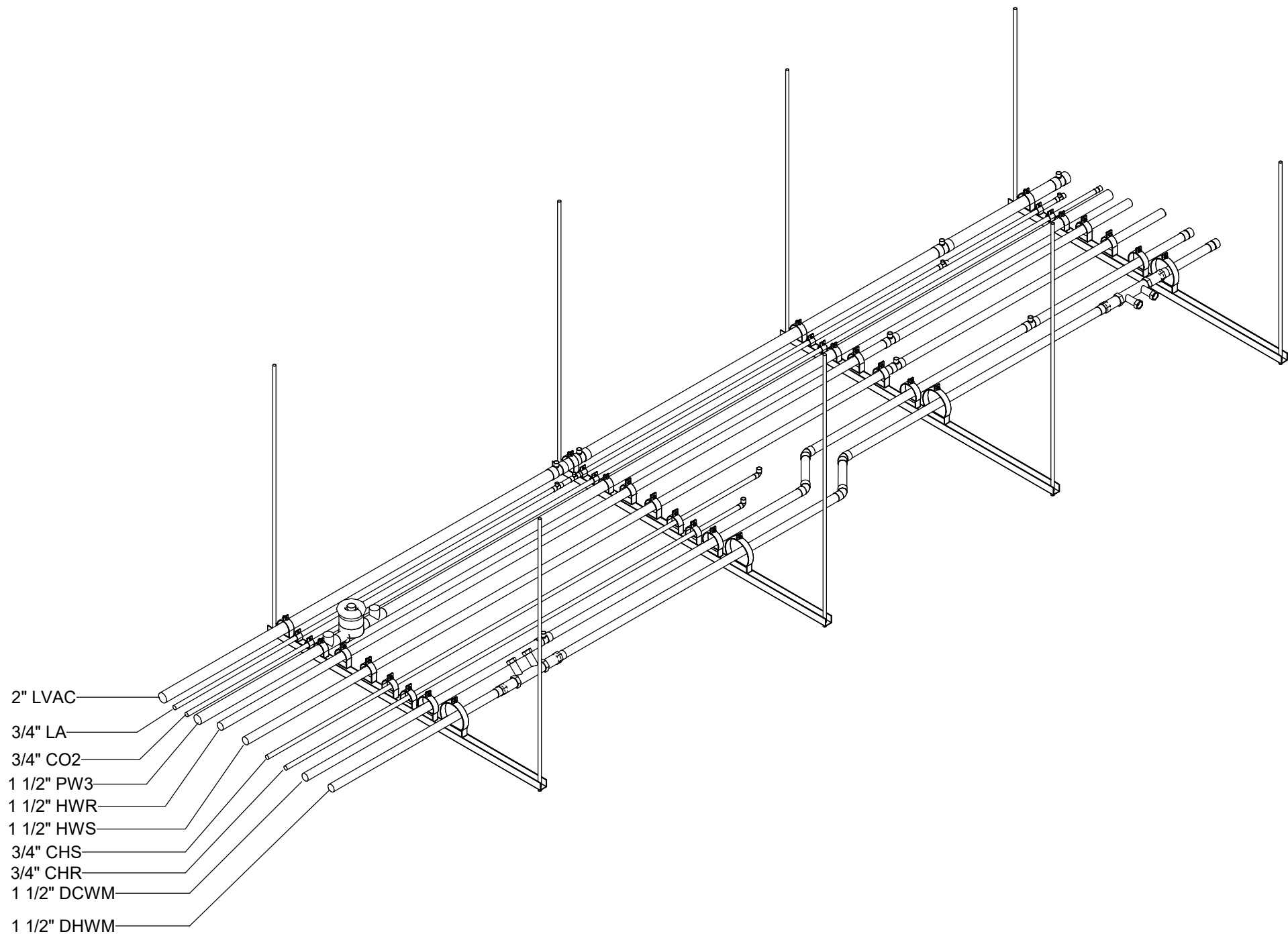
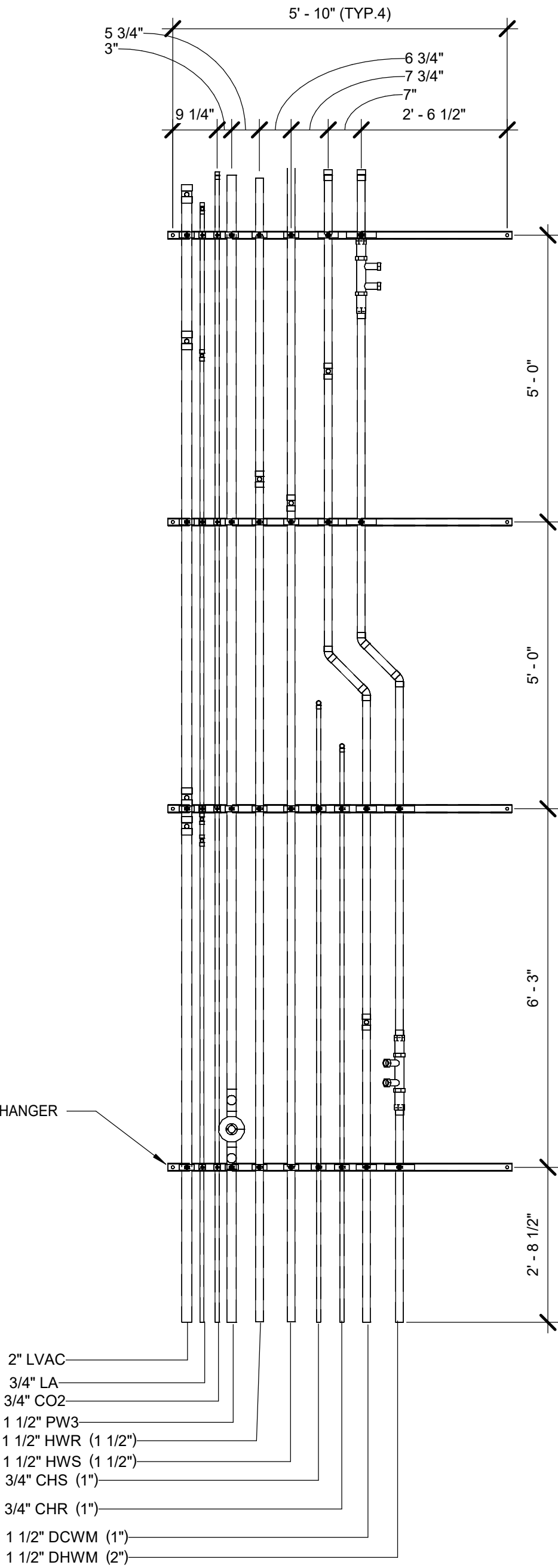


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12/30/2021 3:46:43 PM



1 AS-L07-064 - ISOMETRIC  
AS-L07-064 SCALE:

DRILL HANGER



2 AS-L07-064  
AS-L07-064 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

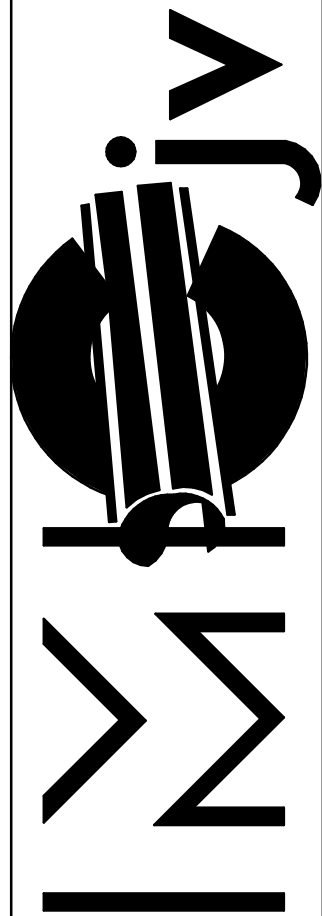
JOB: WASH U NRB

TICKET: AS-L07-064

Drawn By: Author

DATE: 11/23/21

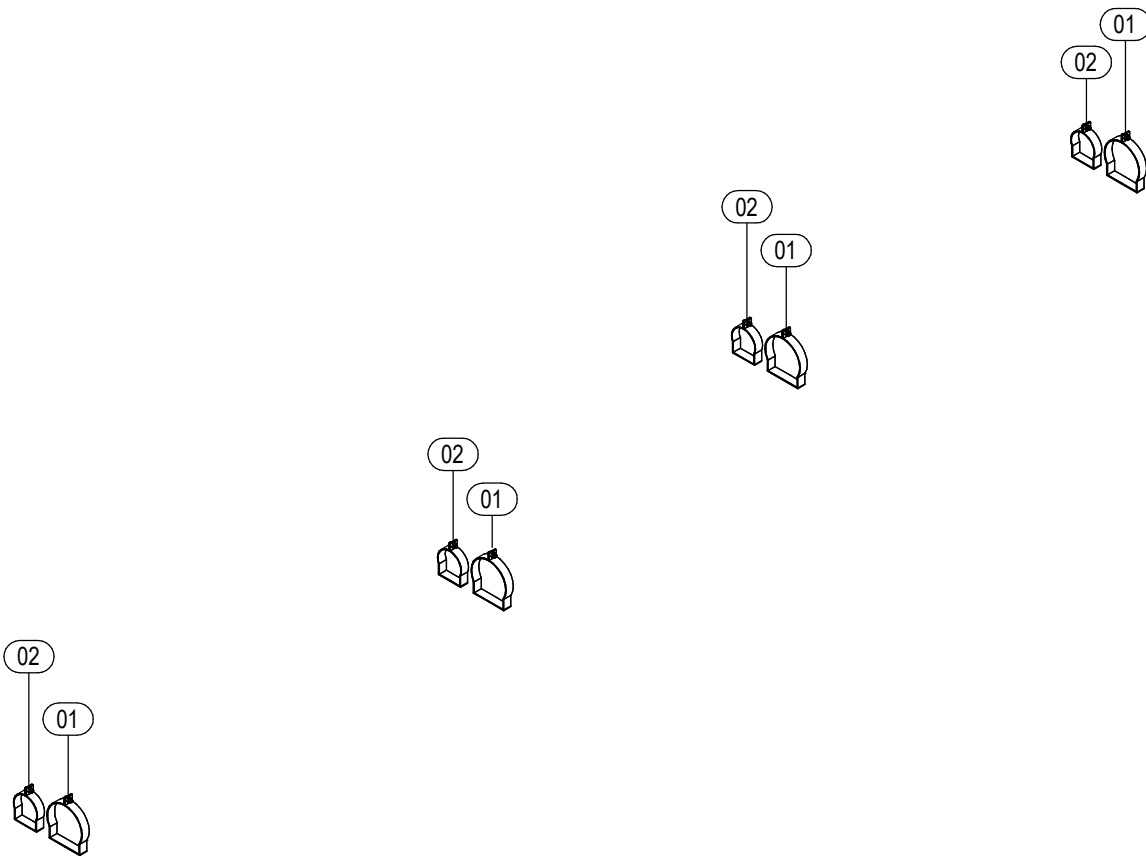
DATE REQ:



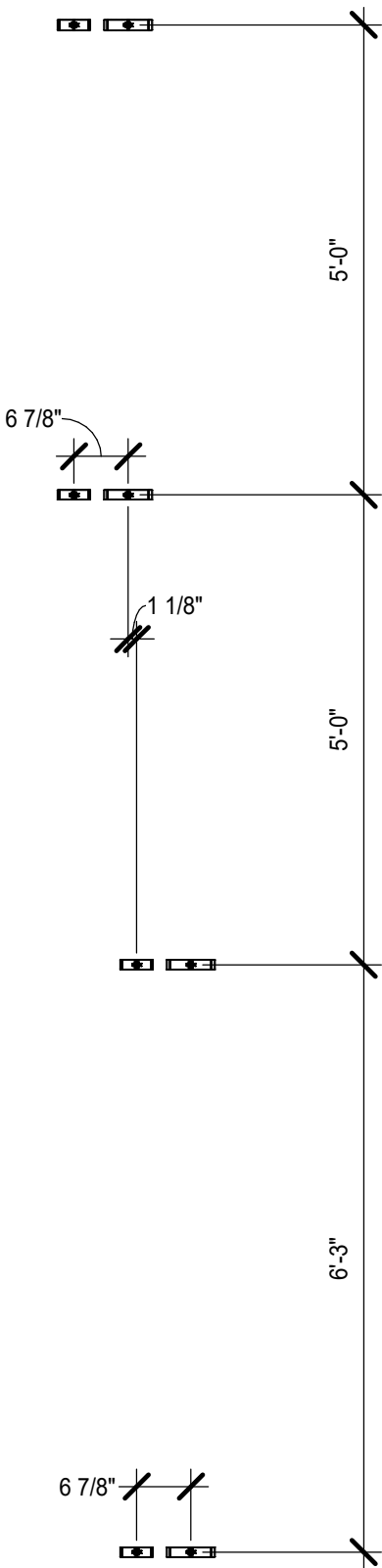
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRB/WUSM RB\_PLF.rvt  
12/30/2021 3:34:01 PM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	4	5.13"	B-Line B2000 Series - OD Pipe and Conduit		0"		0"	
02	4	3.63"	B-Line B2000 Series - OD Pipe and Conduit		0"		0"	



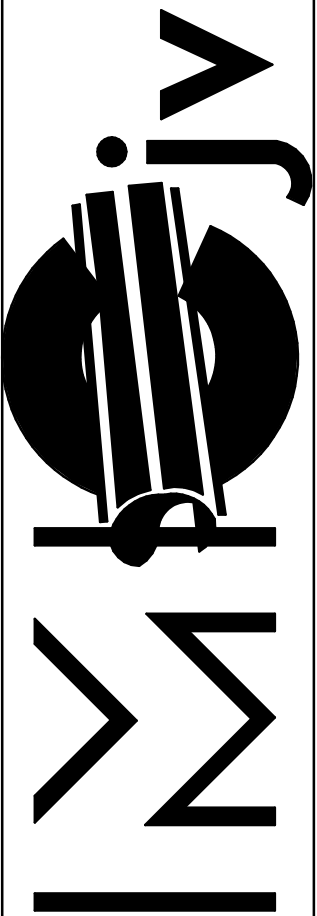
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

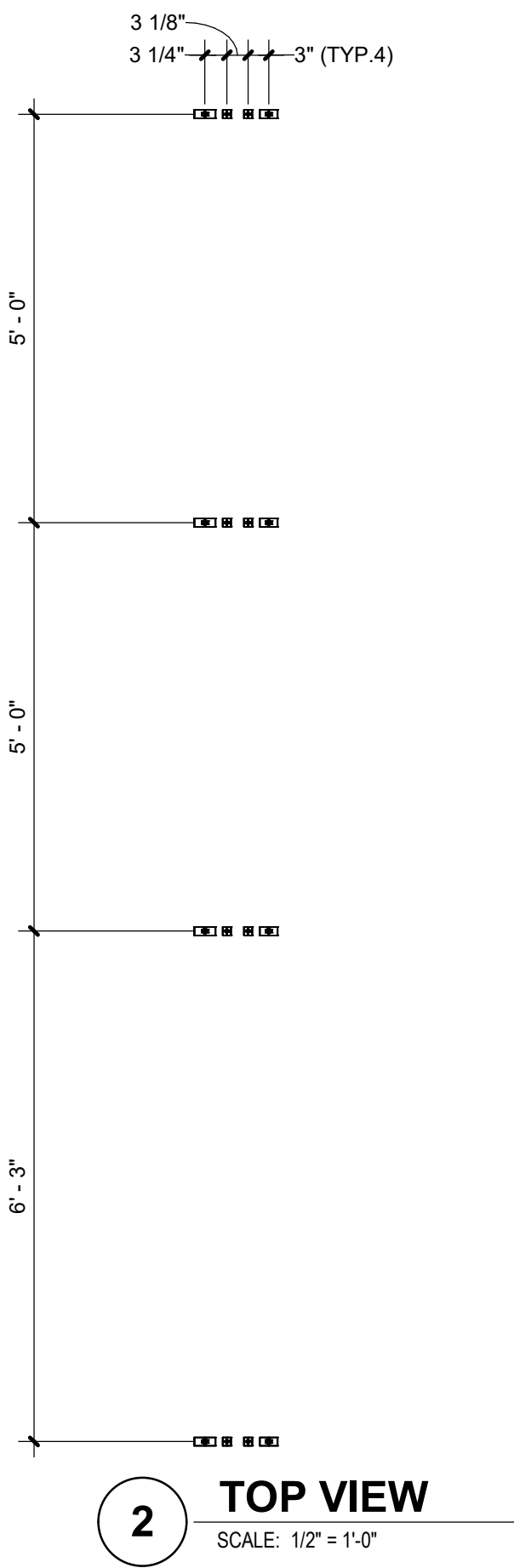
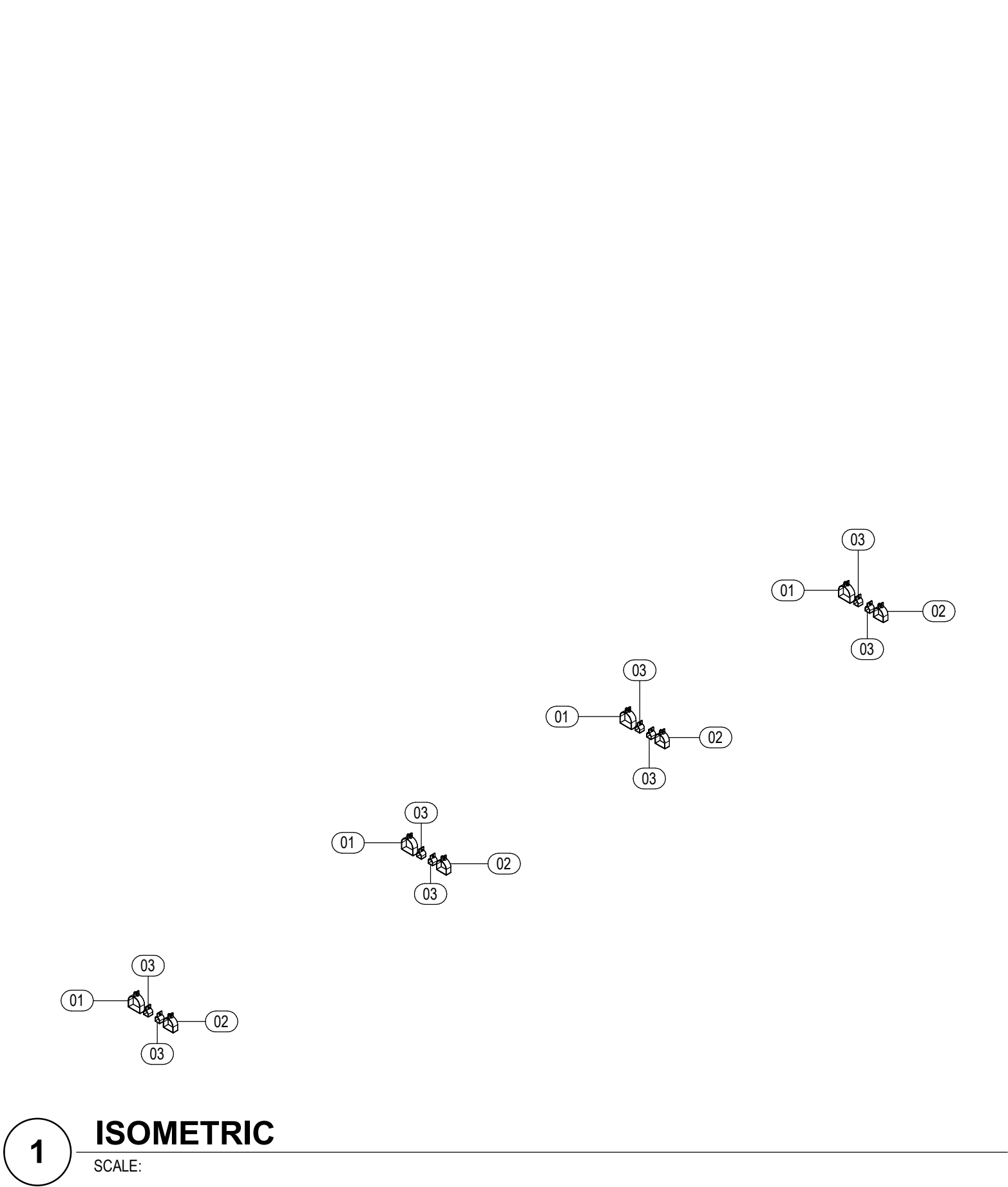
JOB:	WASH U NRB
TICKET:	PPHGR-L07-064
Drawn By: Author	
DATE: 11/19/21	DATE REQ:



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

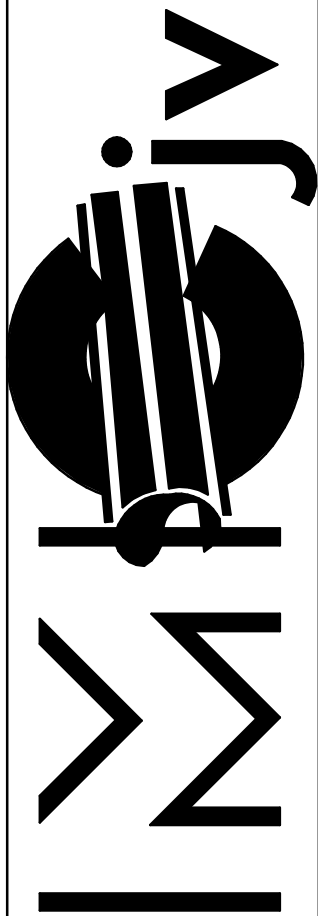
BIM 360://WUSM NRBWUSM\_RB\_PUF.rvt  
12/30/2021 10:12:58 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	4	2.5"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
02	4	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
03	8	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	



A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PUHGR-L07-064
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



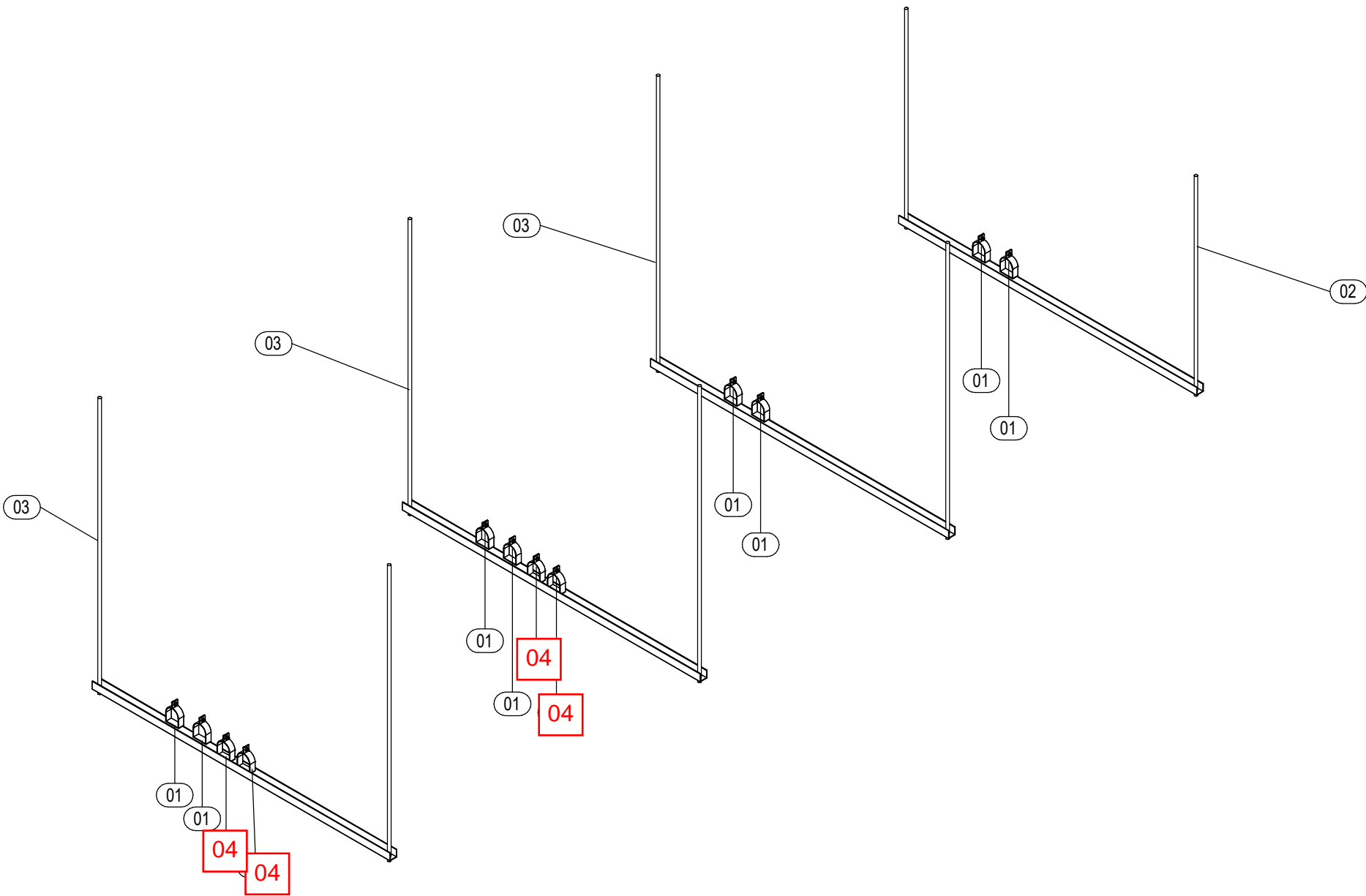
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

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12/30/2021 10:19:11 AM

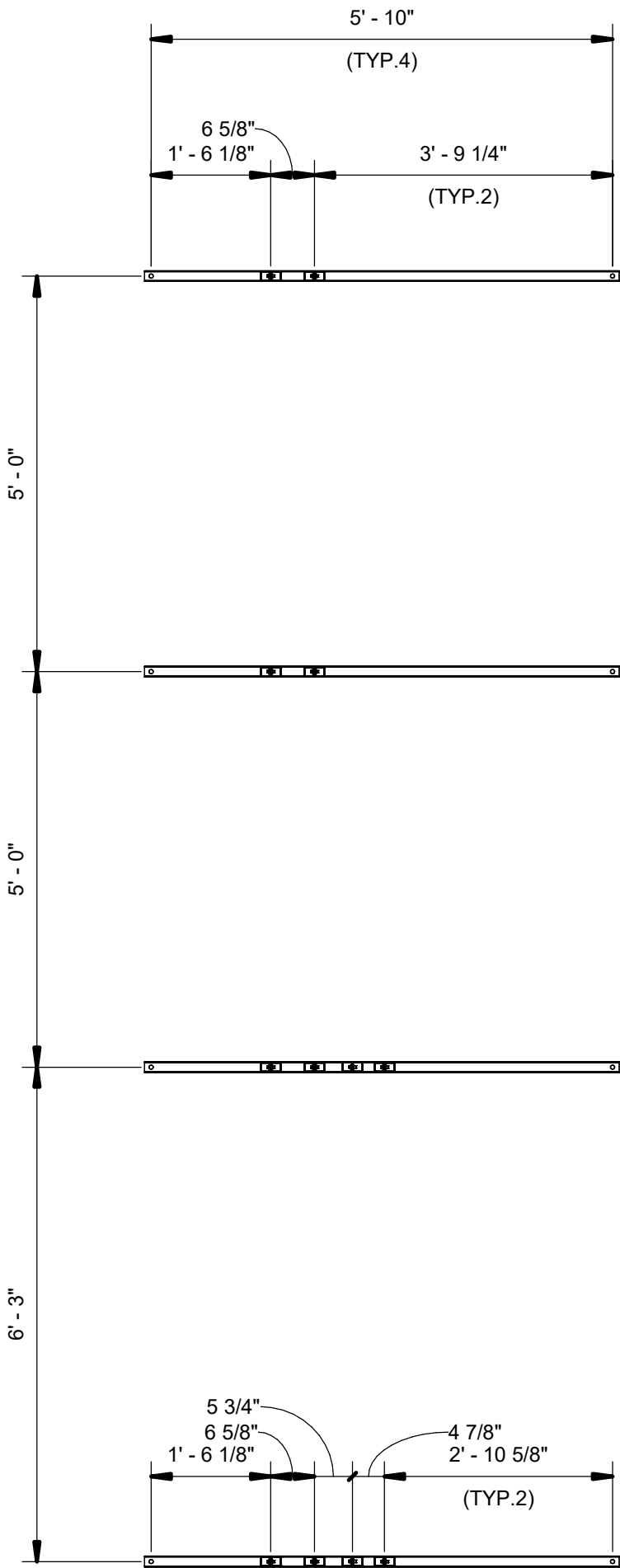
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	12	2.5"	B-Line B2000 2IN Schl 40 Pipe Clamp		0"		0"	
02	1	68"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		6' - 0"	3' - 10"	3' - 10"	
03	3	68"	B-Line 1-5/8 GLV 12GA 2in Slotted Unistrut		6' - 0"	5' - 2"	5' - 2"	

01 4 4 5/8" B-LINE #2058

04 4 2 7/8" B-LINE #2014



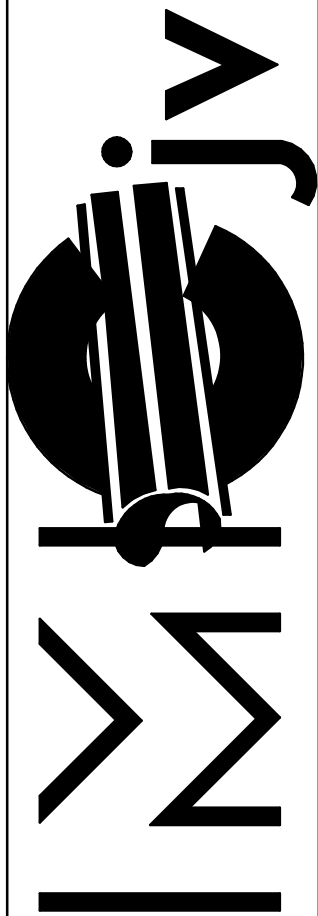
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

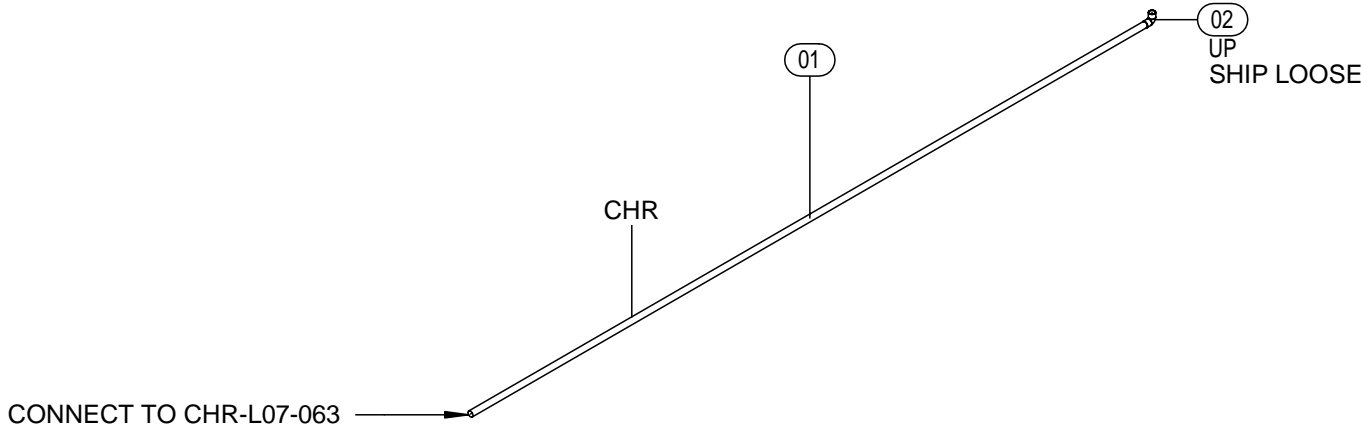
JOB: 210140 - WASH U NRB  
TICKET: HPHGR-L07-064  
Drawn By: Author  
DATE: 11/23/21  
DATE REQ:



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

BIM 360/WUSM NRBWUSM\_RB\_HPE.rvt  
23-11-2021 11:43:34

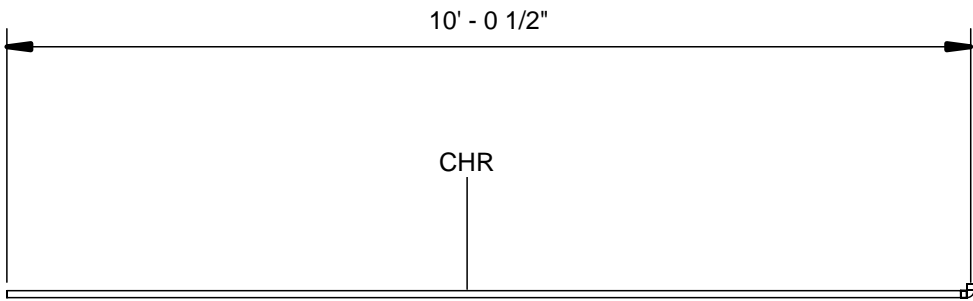
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type K Hard Copper Pipe	10'-0 1/16"				1"
02	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"



1

ISOMETRIC

SCALE:



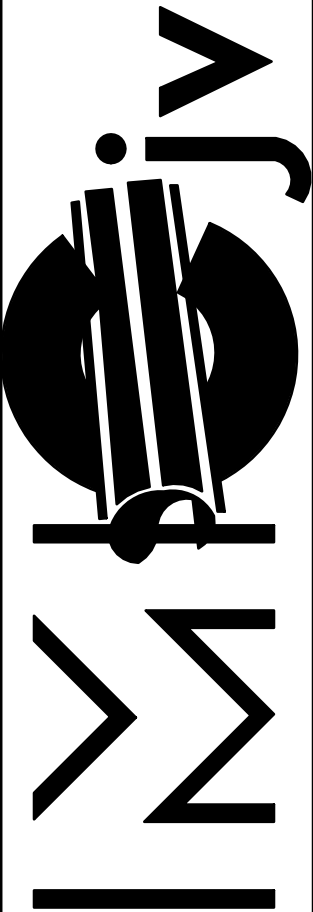
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RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

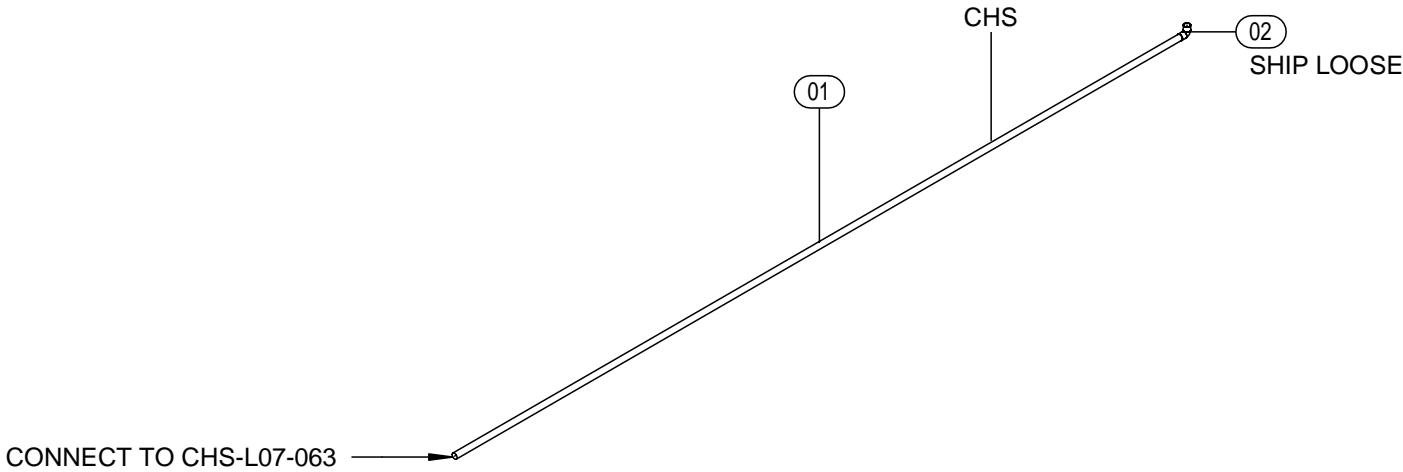
JOB:	WASH U NRB
TICKET:	CHR-L07-064
Drawn By:	Author
DATE:	11/23/21
DATE REQ:	



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

BIM 360/WUSM NRBWUSM\_RB\_HPF.rvt  
23-11-2021 11:31:03

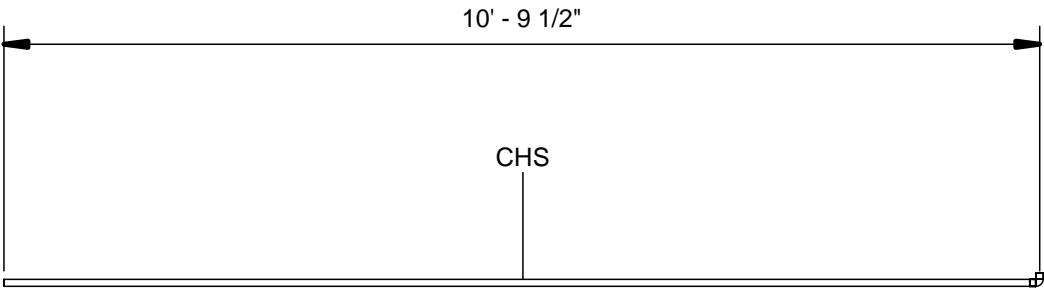
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type K Hard Copper Pipe	10'-9 1/16"				1"
02	1	3/4"	Nibco Wrot 607 90 Deg Ell CxC					1"



1

ISOMETRIC

SCALE:



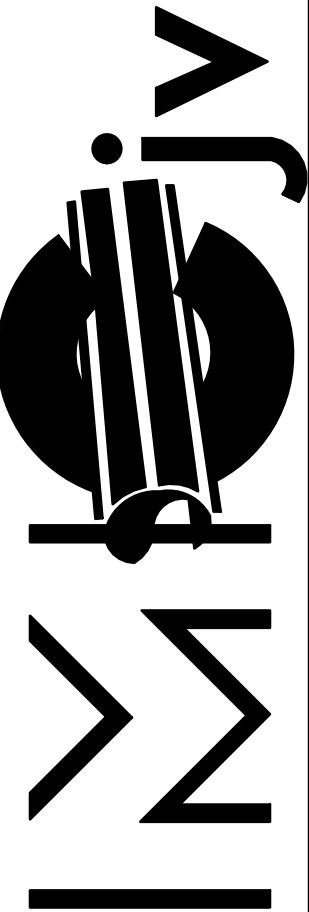
2

RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

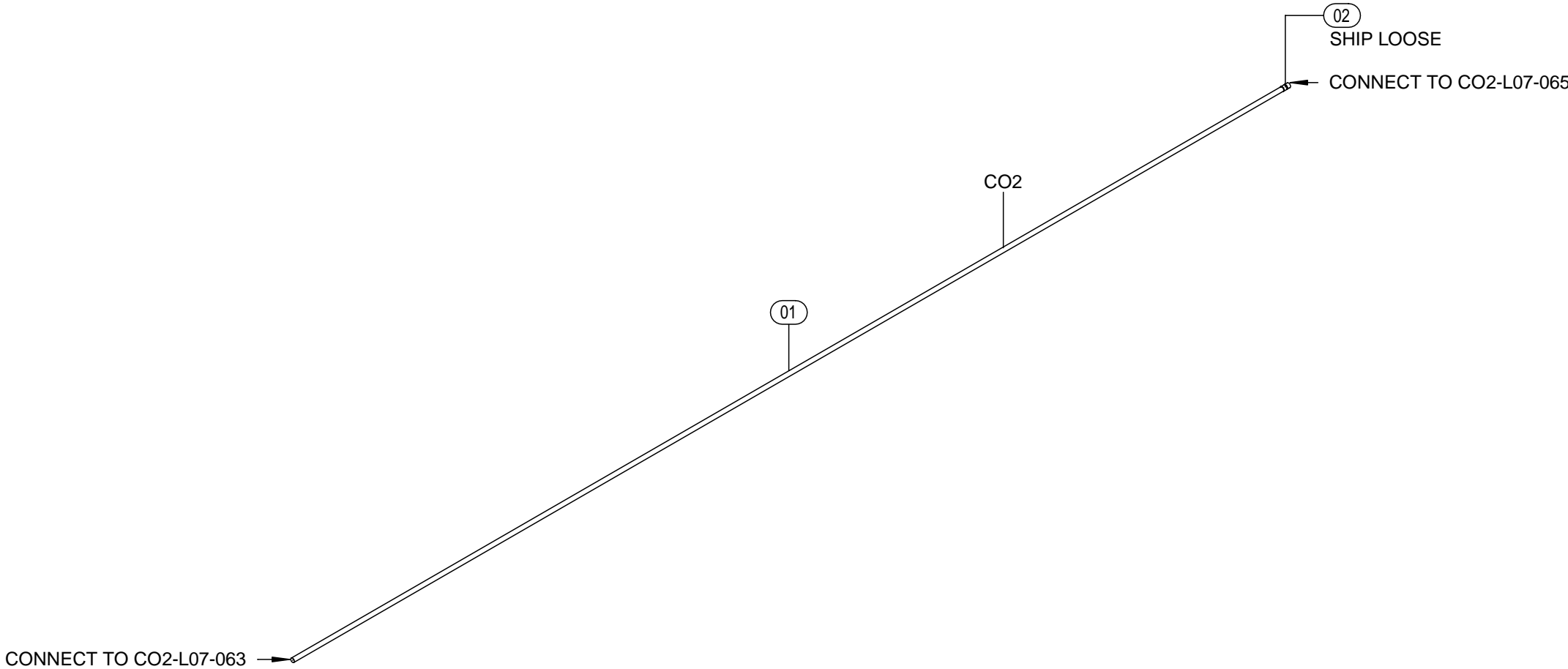
JOB:	WASH U NRB
TICKET:	CHS-L07-064
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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

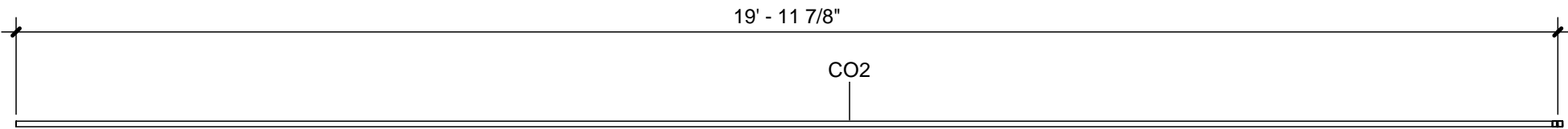
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23-11-2021 15:26:14

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	19'-11 13/16"				
02	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



1 ISOMETRIC

SCALE:



2 RIGHT ELEVATION

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

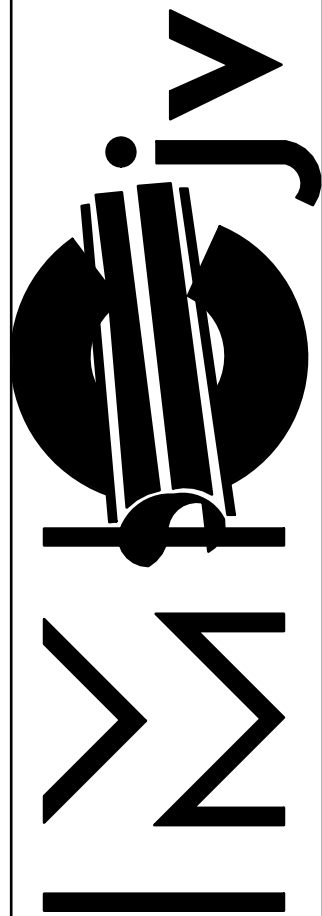
A1	A3	B1	B3
A2	A4	B2	B4

JOB: WASH U NRB

TICKET: CO2 -L07-064

Drawn By: Author

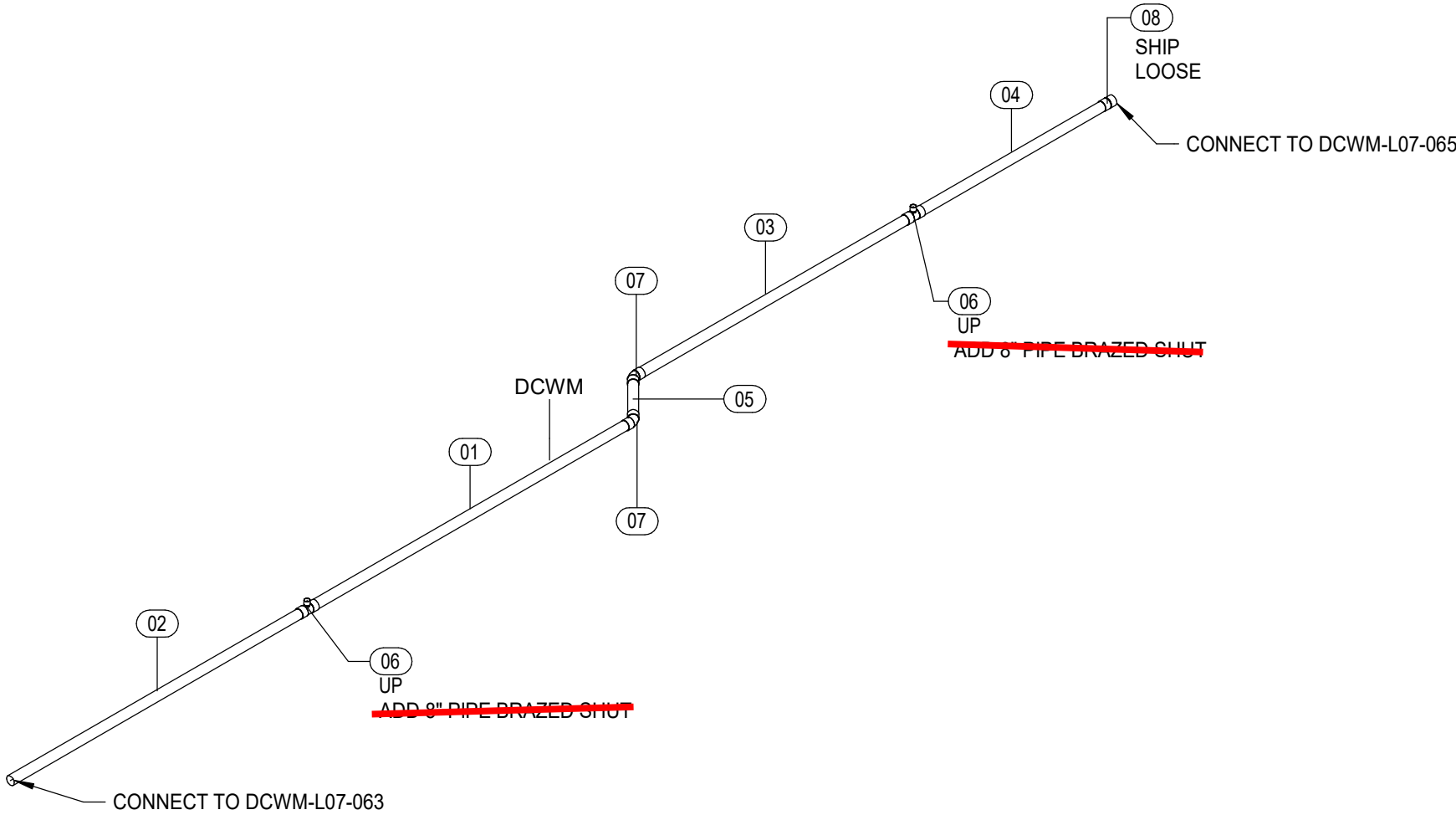
DATE: 11/23/21 DATE REQ:



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

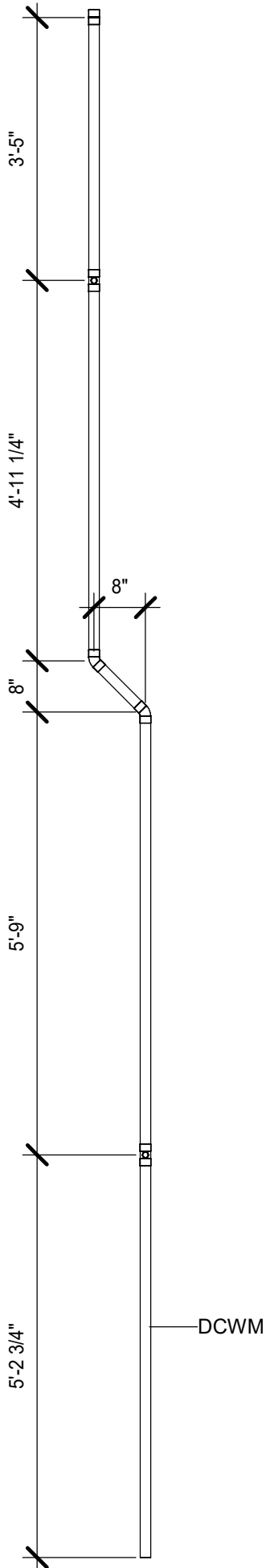
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Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type L Hard Copper Pipe	5'-7 3/4"				1"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	5'-2 1/8"				1"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	4'-10 1/16"				1"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-4 3/8"				1"
05	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-10 1/8"				1"
06	2	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1"
07	2	1 1/2"	Nibco Wrot 606 45 Deg Ell CxC					1"
08	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1"



1 ISOMETRIC

SCALE:



2 TOP VIEW

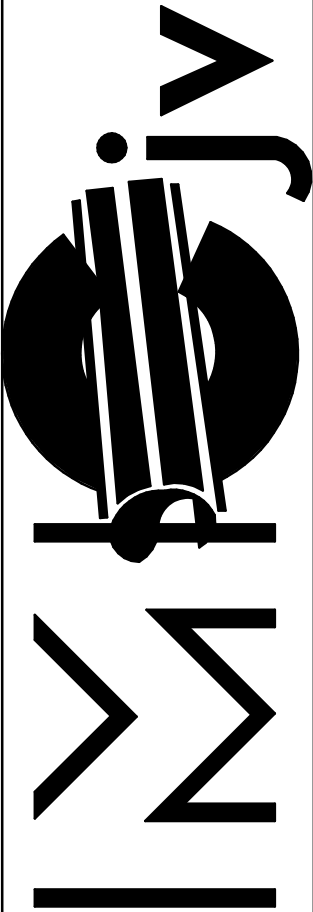
SCALE: 1/2" = 1'-0"

JOB: WASH U NRB

TICKET: DCWM-L07-064

Drawn By: Author

DATE: 11/19/21 DATE REQ:



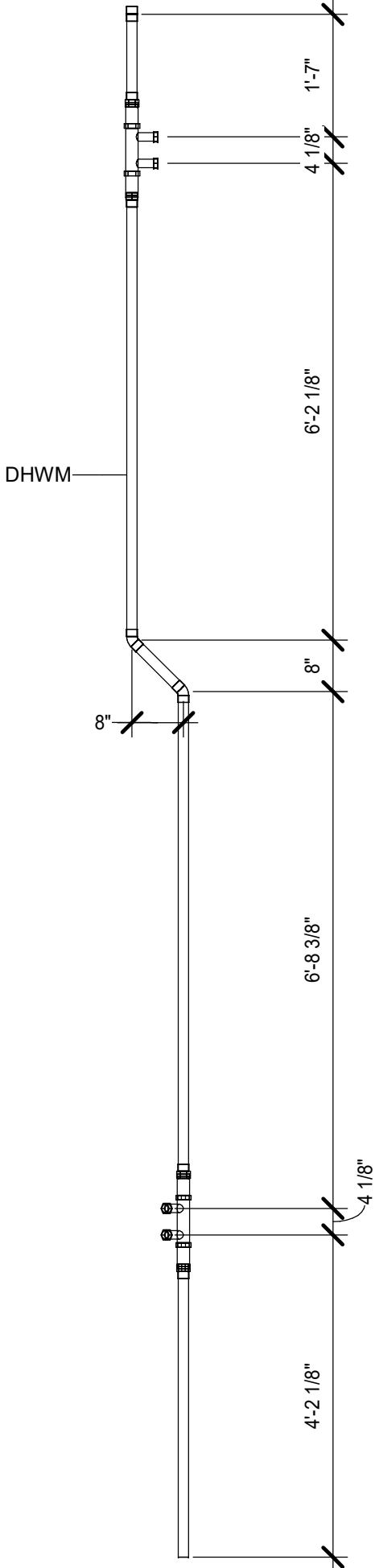
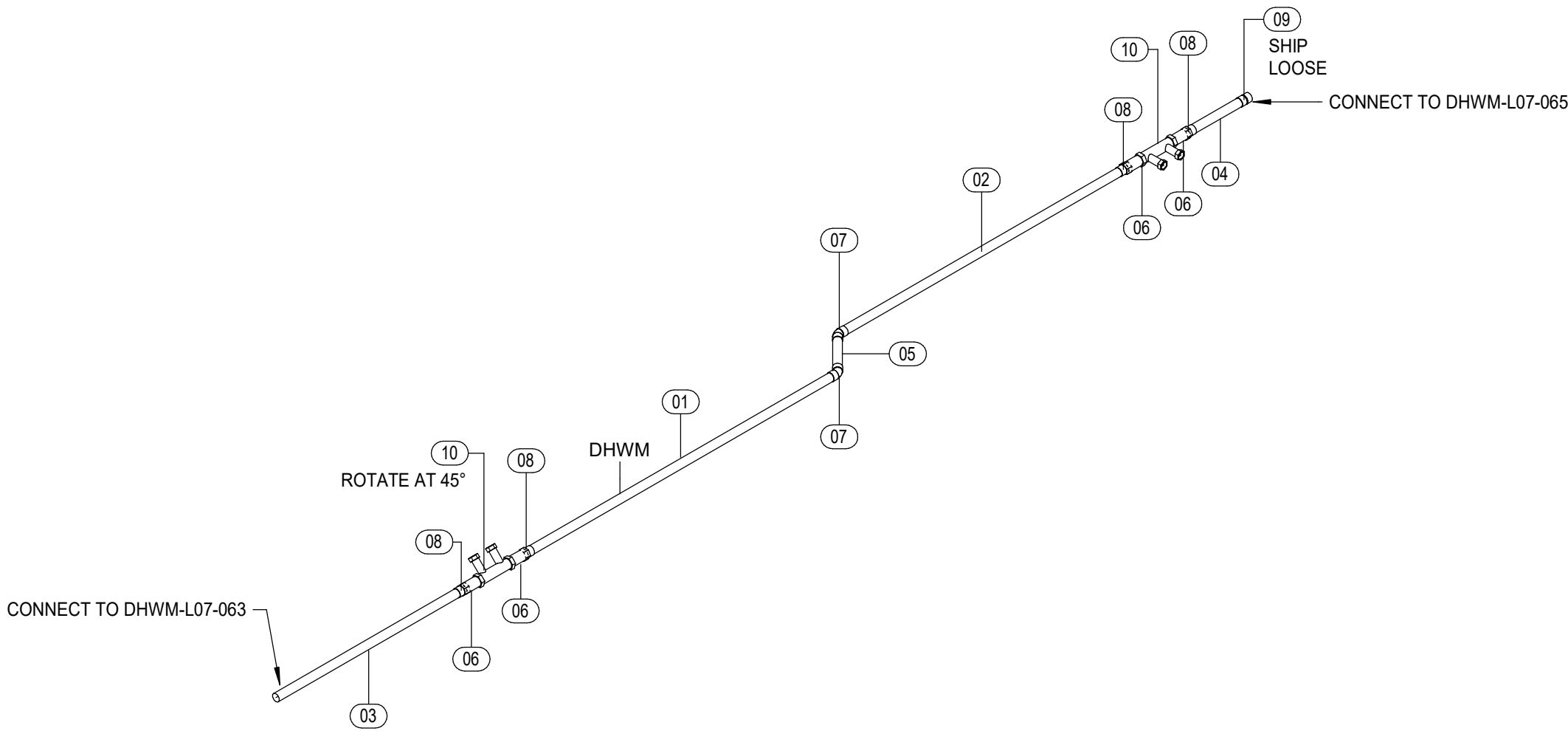
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

A1	A3	B1	B3
A2	A4	B2	B4



BIM 360://WUSM NRBWUSM\_RB\_PLF.rvt  
11/19/2021 11:43:13 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"				2"
02	1	1 1/2"	Cerro Type L Hard Copper Pipe	5'-7 7/8"				2"
03	1	1 1/2"	Cerro Type L Hard Copper Pipe	3'-8 7/16"				2"
04	1	1 1/2"	Cerro Type L Hard Copper Pipe	1'-1 1/4"				2"
05	1	1 1/2"	Cerro Type L Hard Copper Pipe	0'-10 1/8"				2"
06	4	1 1/2"	Victaulic No.647 TT Dielectric Transition Fitting					2"
07	2	1 1/2"	Nibco Wrot 606 45 Deg Ell CxC					2"
08	4	1 1/2"	Nibco Wrot 603 Adapter CxF					2"
09	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					2"
10	2	1 1/2"x1"	Kemper Kemper Fig651 20 KHS Flow-Splitter FPT					2"

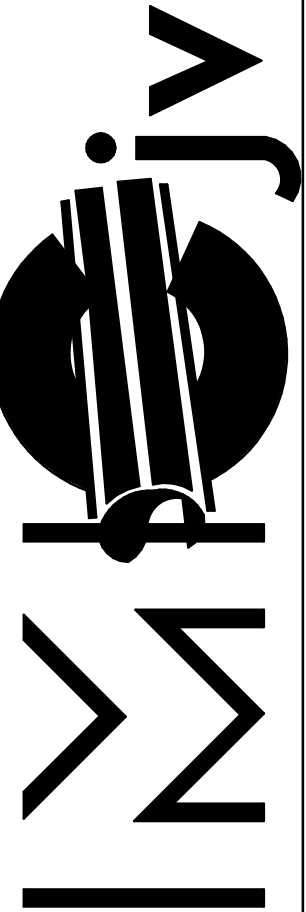


1 ISOMETRIC  
SCALE:

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

A1	A3	B1	B3
A2	A4	B2	B4

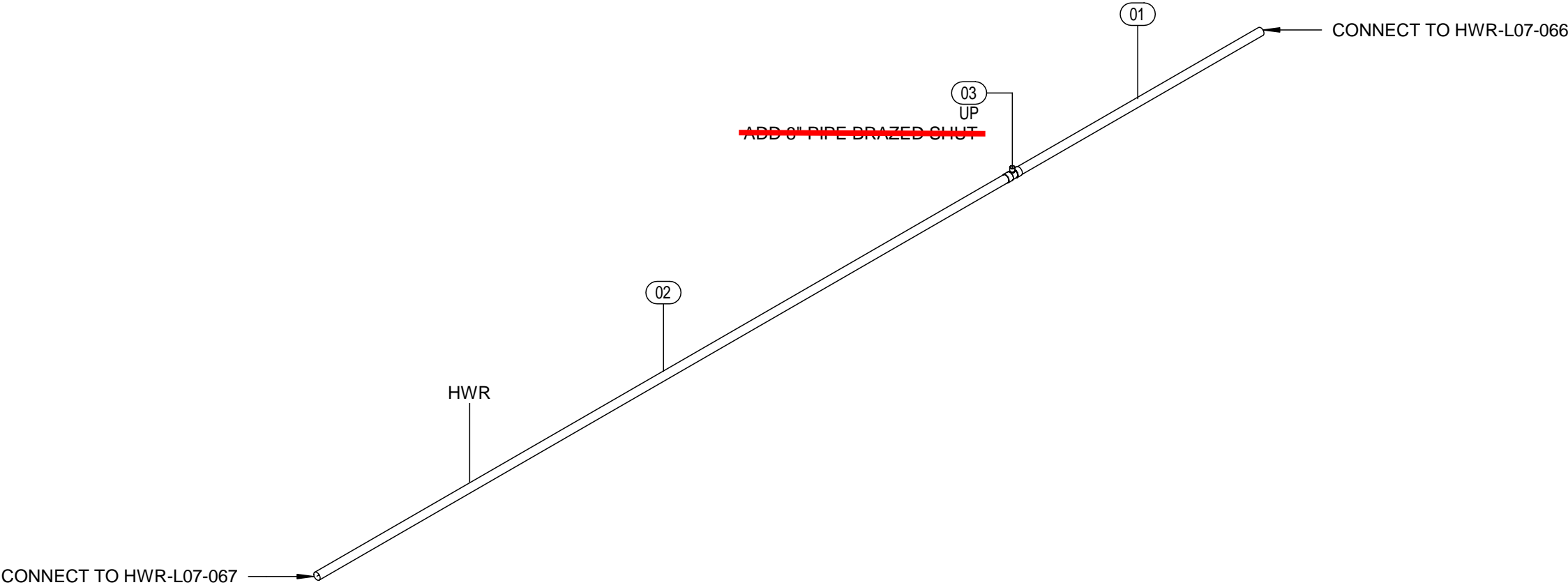
JOB:	WASH U NRB
TICKET:	DHWM-L07-064
Drawn By: Author	
DATE: 11/19/21	DATE REQ:



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

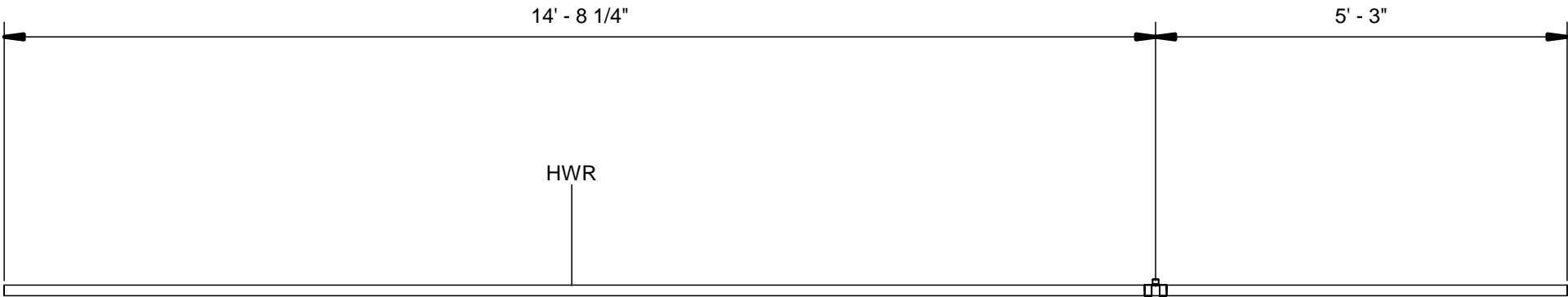
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23-11-2021 11:41:48

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	5'-2 7/16"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	14'-7 11/16"				1 1/2"
03	1	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"



1 ISOMETRIC

SCALE:

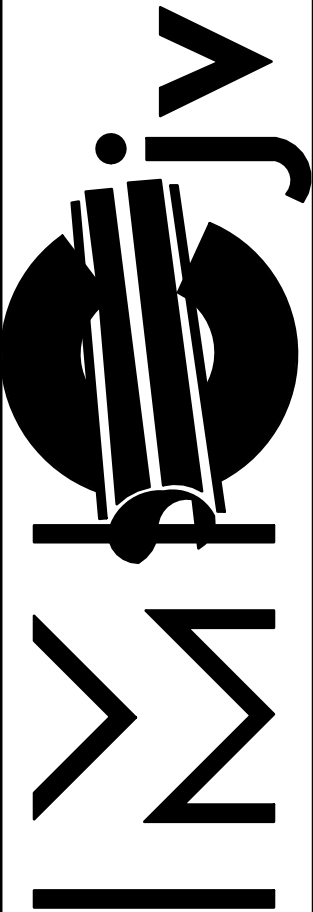


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

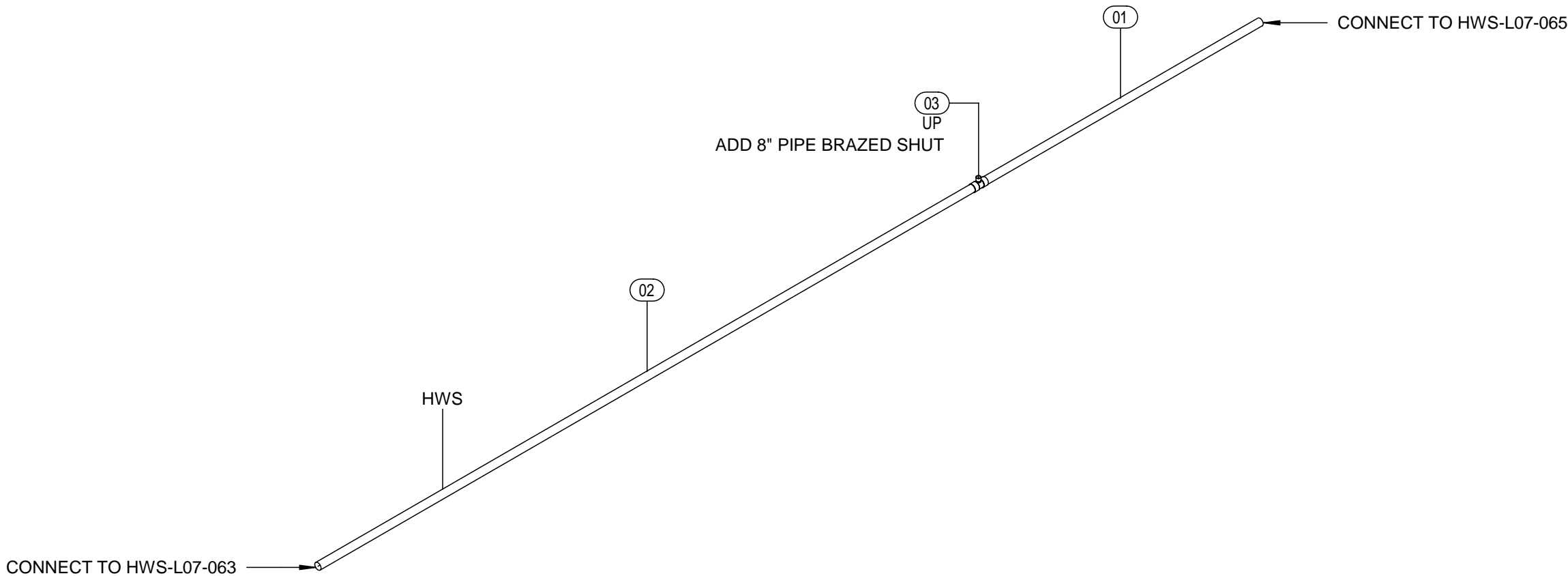
JOB:	WASH U NRB
TICKET:	HWR-L07-064
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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

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23-11-2021 11:40:59

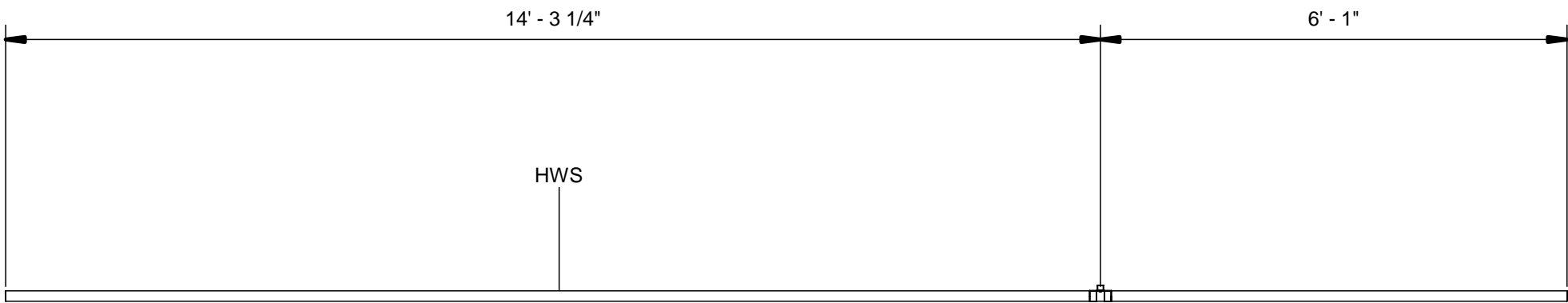
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Cerro Type K Hard Copper Pipe	6'-0 7/16"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	14'-2 11/16"				1 1/2"
03	1	1 1/2"x3/4"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"



1

ISOMETRIC

SCALE:



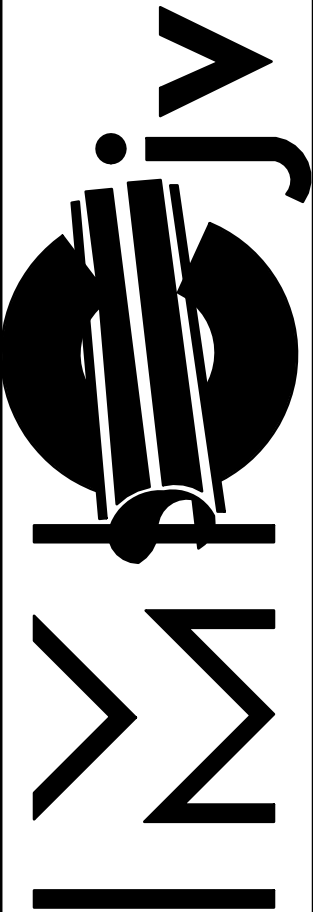
2

RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

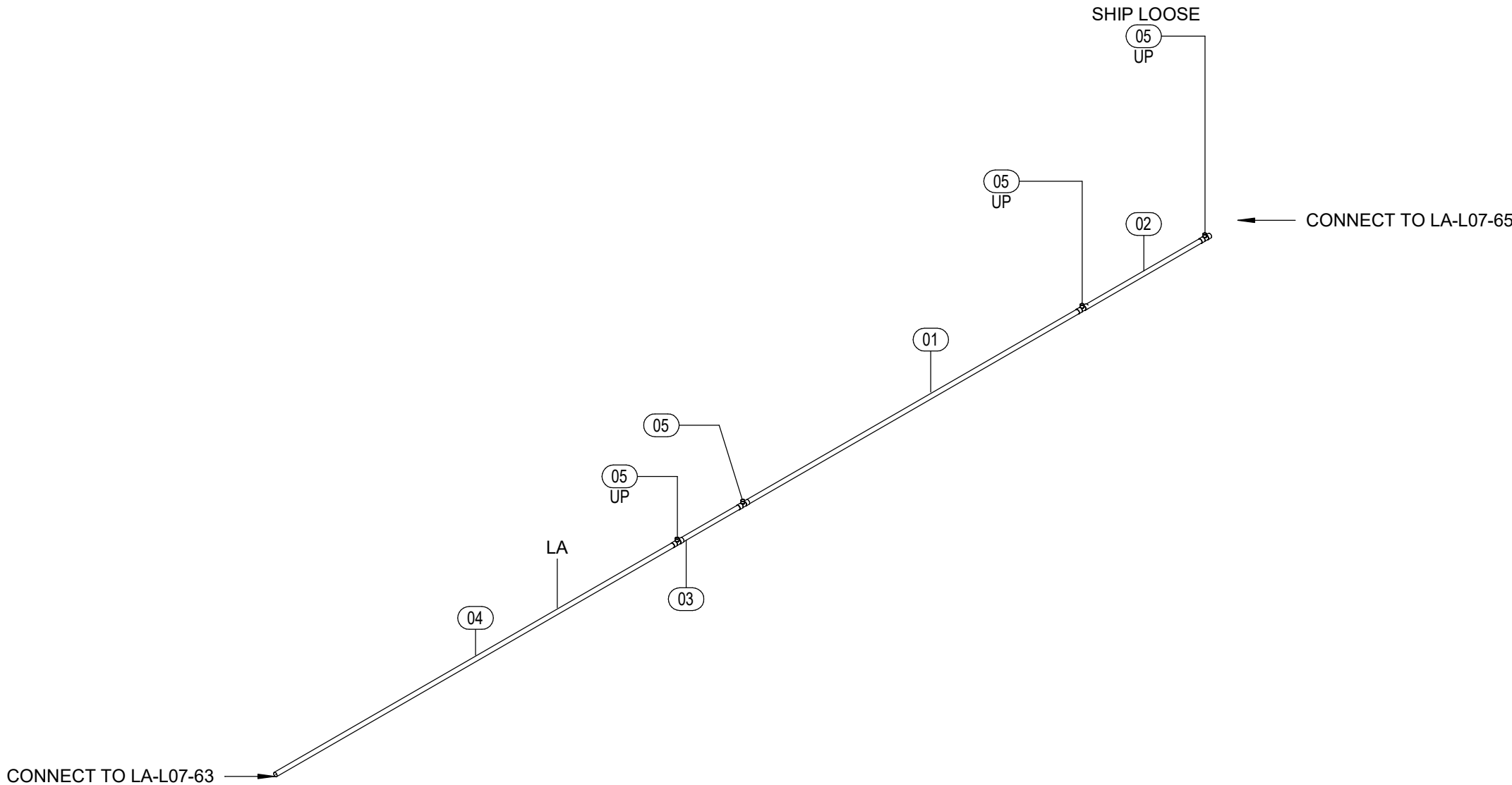
JOB:	WASH U NRB
TICKET:	HWS-L07-064
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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

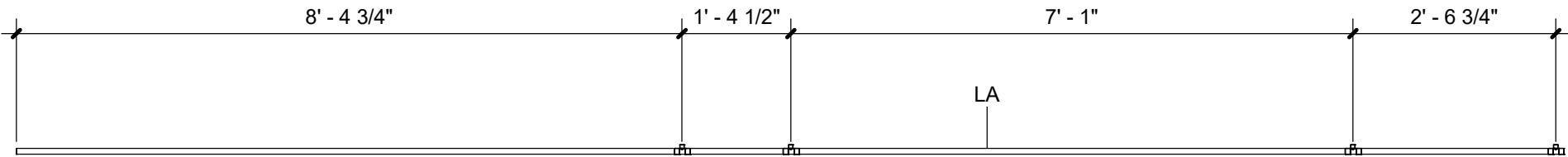
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2/8/2022 1:02:25 PM

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



1 ISOMETRIC

SCALE:

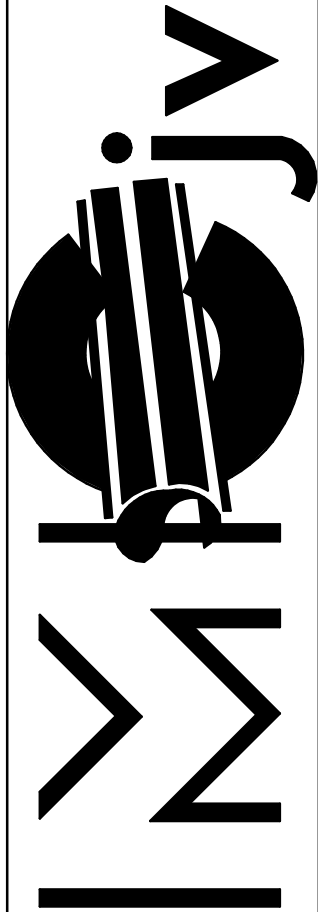


2 RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

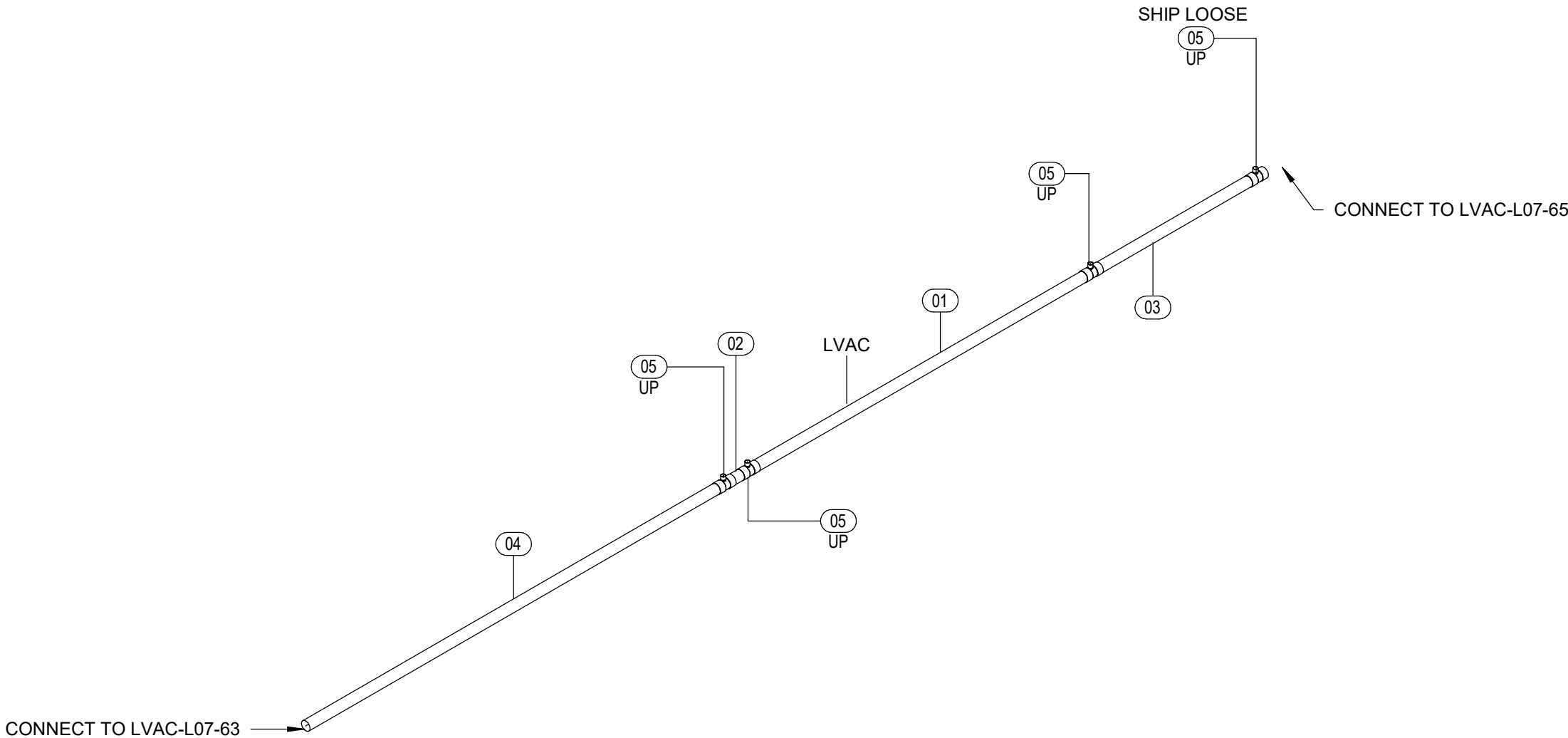
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TICKET: LA -L07-064  
Drawn By: Author  
DATE: 11/23/21  
DATE REQ:



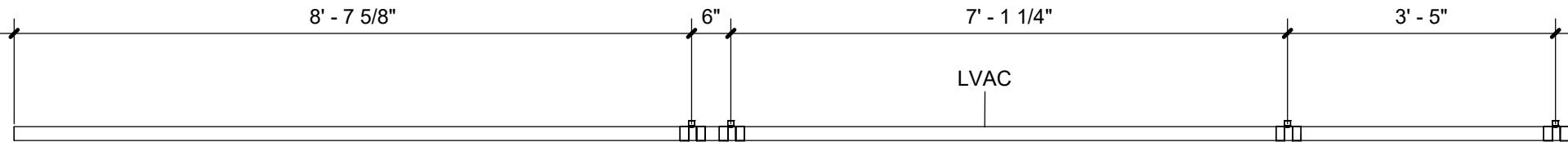
1233 N. Price Rd.  
St. Louis, Mo 63132-2303  
314-997-6600 phone

BIM 360://WUSM NRBWUSM\_RB\_PUF.rvt  
2/8/2022 1:02:47 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type L Hard Copper - CFOS	7'-0"	
02	1	2"	Cerro Type L Hard Copper - CFOS	0'-4 3/4"	
03	1	2"	Cerro Type L Hard Copper - CFOS	3'-3 3/4"	
04	1	2"	Cerro Type L Hard Copper - CFOS	8'-7 1/4"	
05	4	2"x3/4"x2"	Nibco 611R-CB CFOS Wrot Copper Reducing Tee		



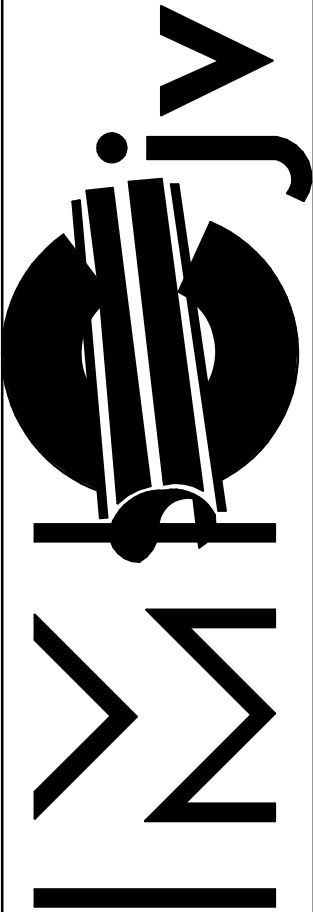
1 ISOMETRIC  
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

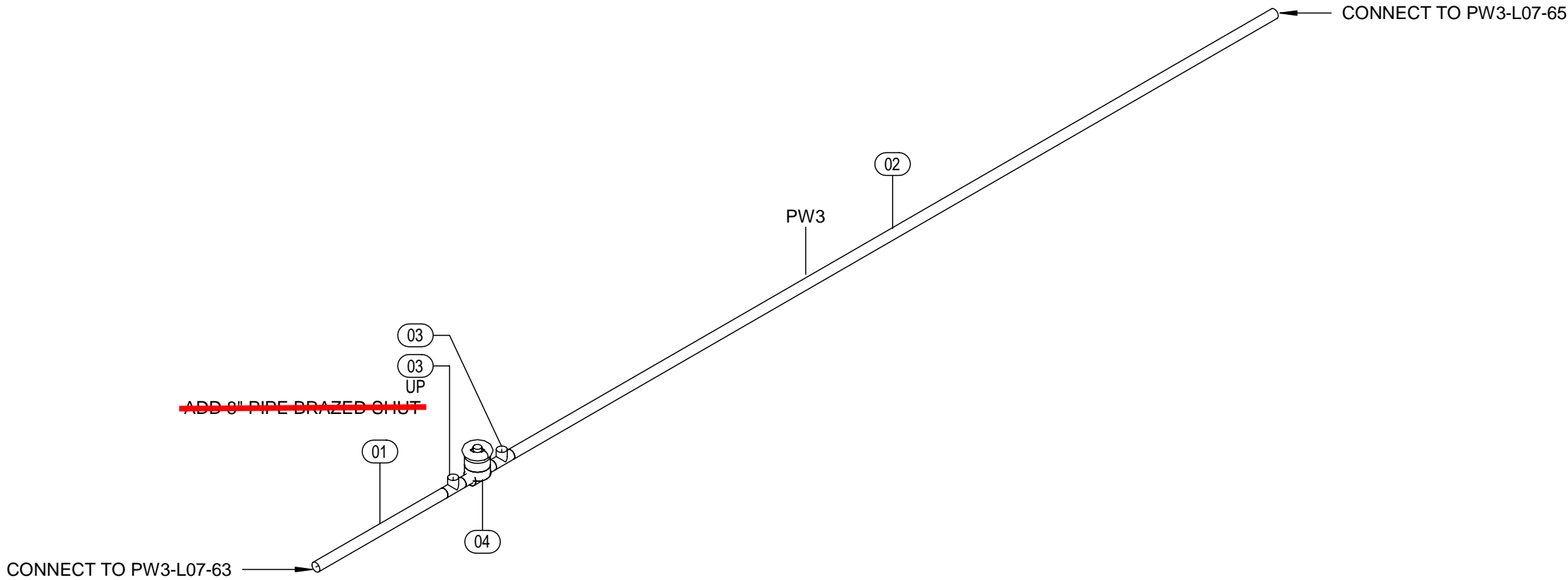
JOB:	WASH U NRB
TICKET:	LVAC -L07-064
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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

BIM 360//WUSM NRBWUSM\_RB\_PUF.rvt  
23-11-2021 17:23:55

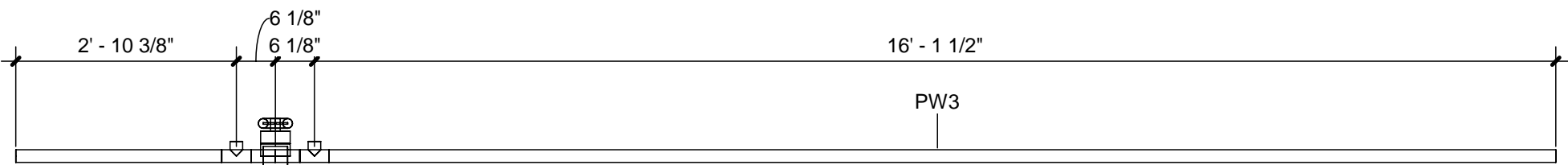
Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	2'-8 1/16"				
02	1	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Pipe	15'-11 3/16"				
03	2	1 1/2"	Geroge Fischer Slone PROGEF STD-PP IR Butt-Fusion Tee					
04	1	1 1/2"	George Fischer Sloane PROGEF STD-PP Type 515 EDPM Diaphragm Valve BF					



1

ISOMETRIC

SCALE:



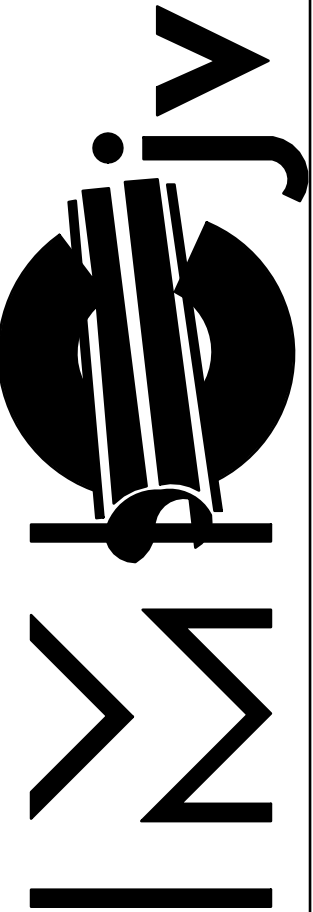
2

RIGHT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW3 -L07-064
Drawn By: Author	
DATE: 11/23/21	DATE REQ:



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