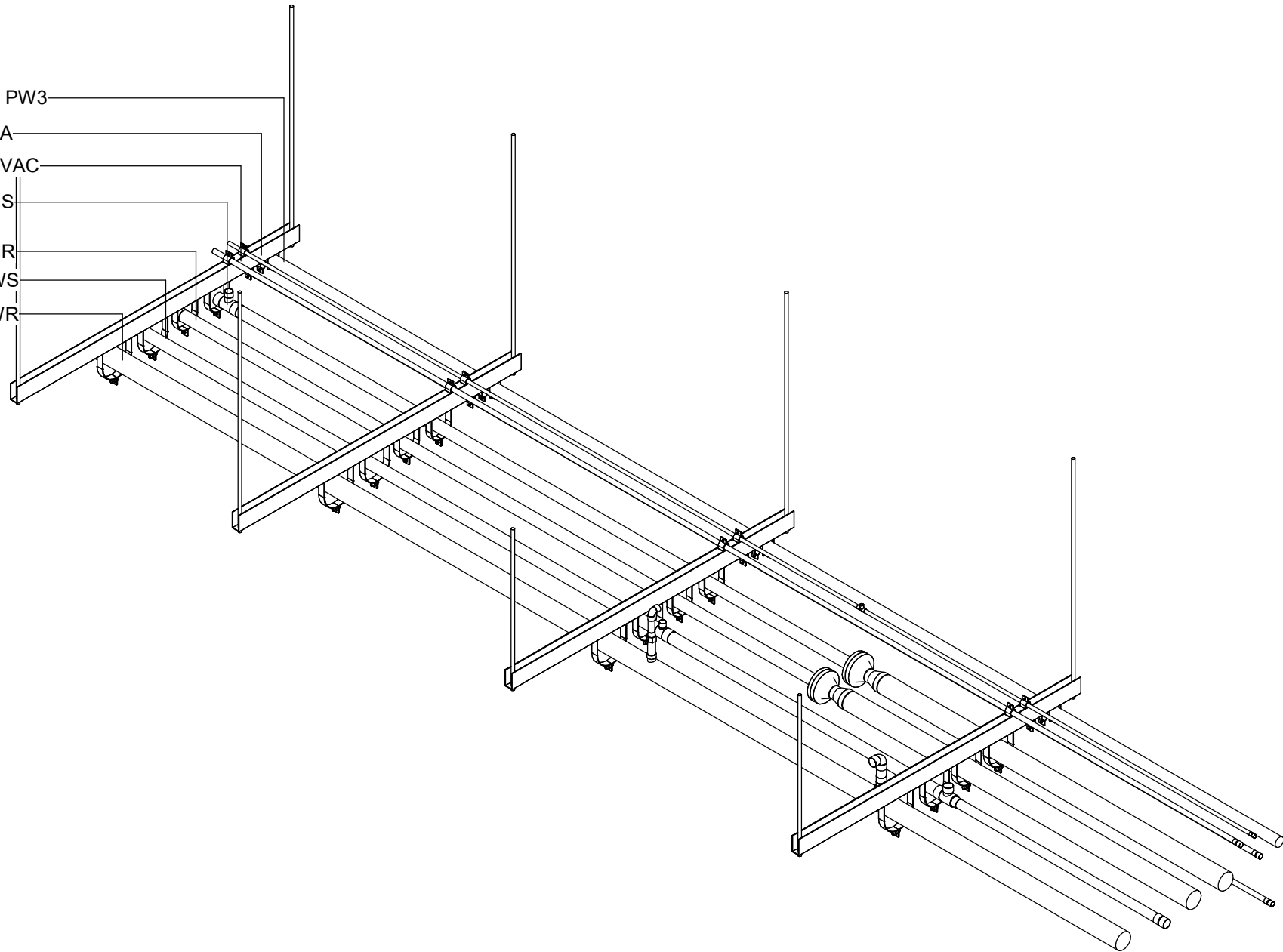
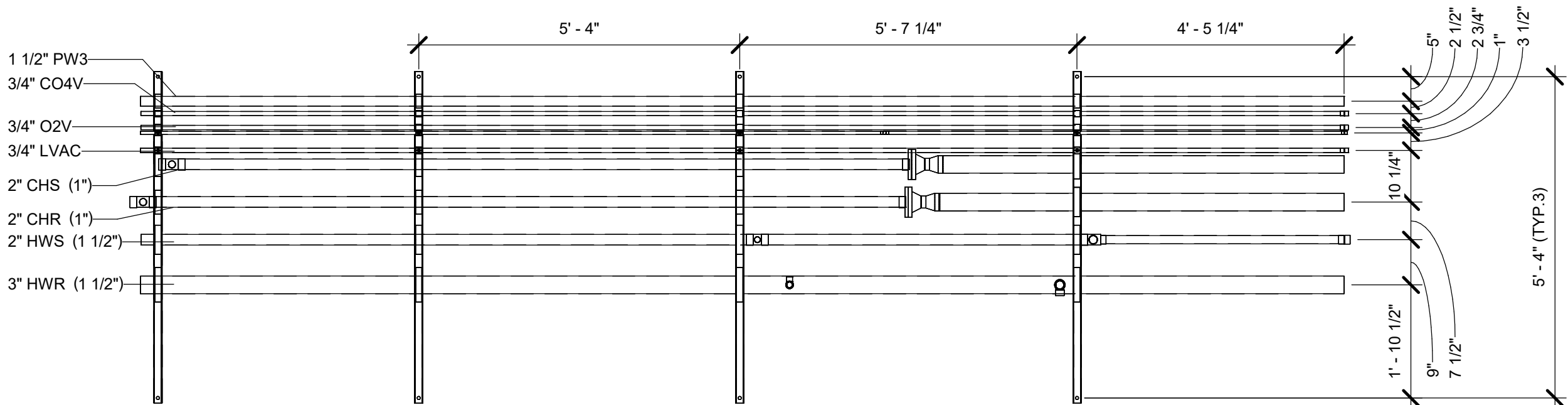


BIM 360/WUSM NRBWUSM_RB_SPOOLING MASTER.rvt
12/15/2021 3:16:34 PM

- 1 1/2" PW3
- 1/2" LA
- 3/4" LVAC
- 2" CHS
- 2" CHR
- 2" HWS
- 3" HWR



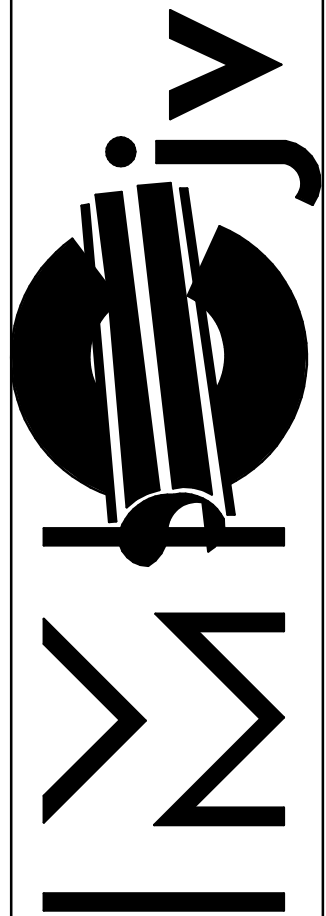
1 AS-L07-020 - ISOMETRIC
AS-L07-020 SCALE:



2 AS-L07-020
AS-L07-020 SCALE: 1/2" = 1'-0"

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	AS-L07-020
Drawn By: Author	
DATE: 11/19/21	DATE REQ:



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

BIM 360/WUSM NRBWUSM_RB_HPE.rvt
22-11-2021 11:15:17

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	4	6"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"		0"	
02	6	5"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"		0"	
03	6	4"	B-Line B2000 ZN Sch 40 Pipe Clamp		0"		0"	
04	2	62"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		5' - 6"	2' - 8 5/8"	4' - 0 5/8"	
05	2	62"	B-Line 1-5/8 GLV 12GA Bk/Bk 2in Slotted Unistrut		5' - 6"	4' - 0 5/8"	4' - 0 5/8"	

- 02

2

5 5/8"

B Line #2066
- 02

4

6 5/8"

B Line #2020
- 03

6

4 1/8"

B Line #2054
- 01

3

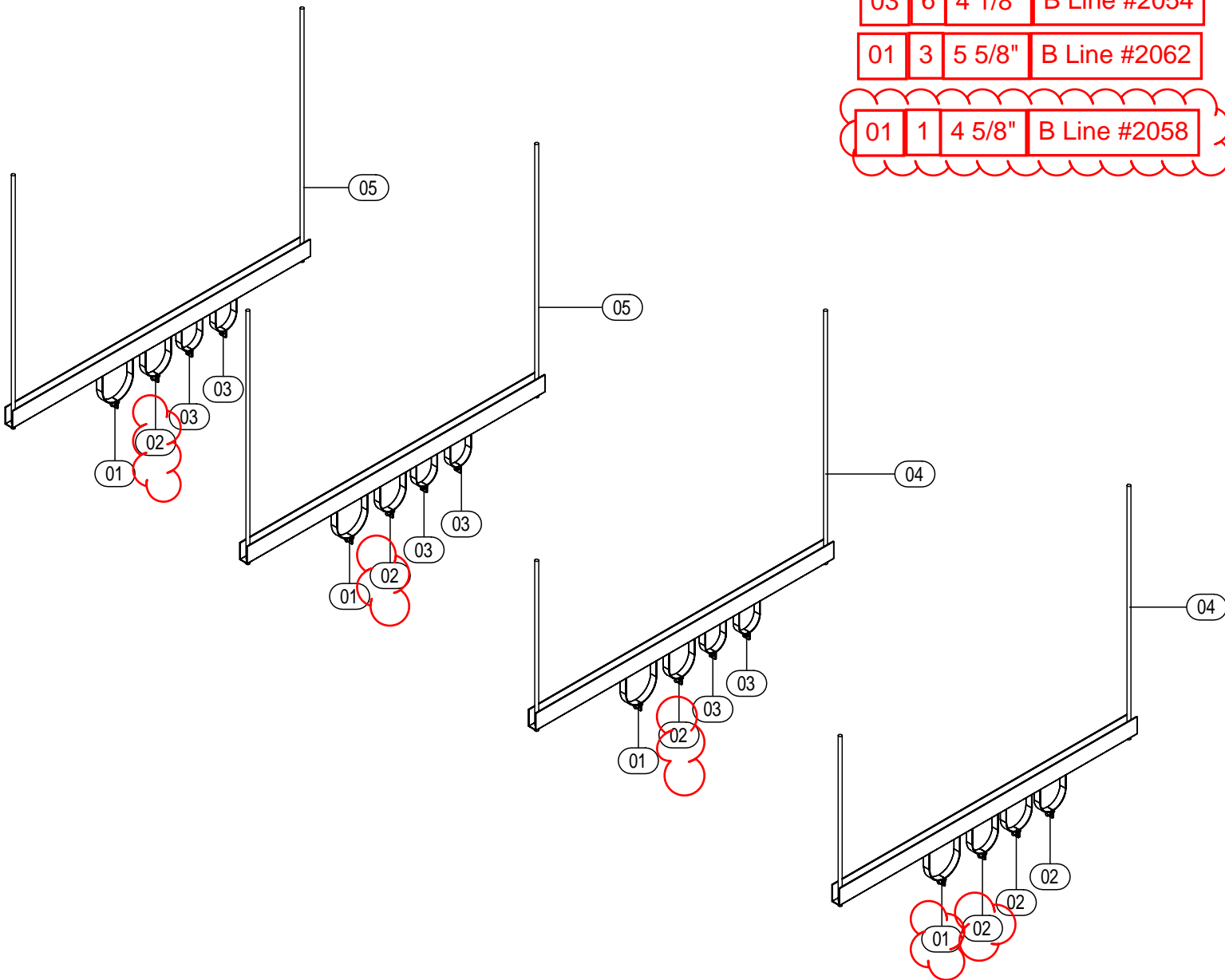
5 5/8"

B Line #2062
- 01

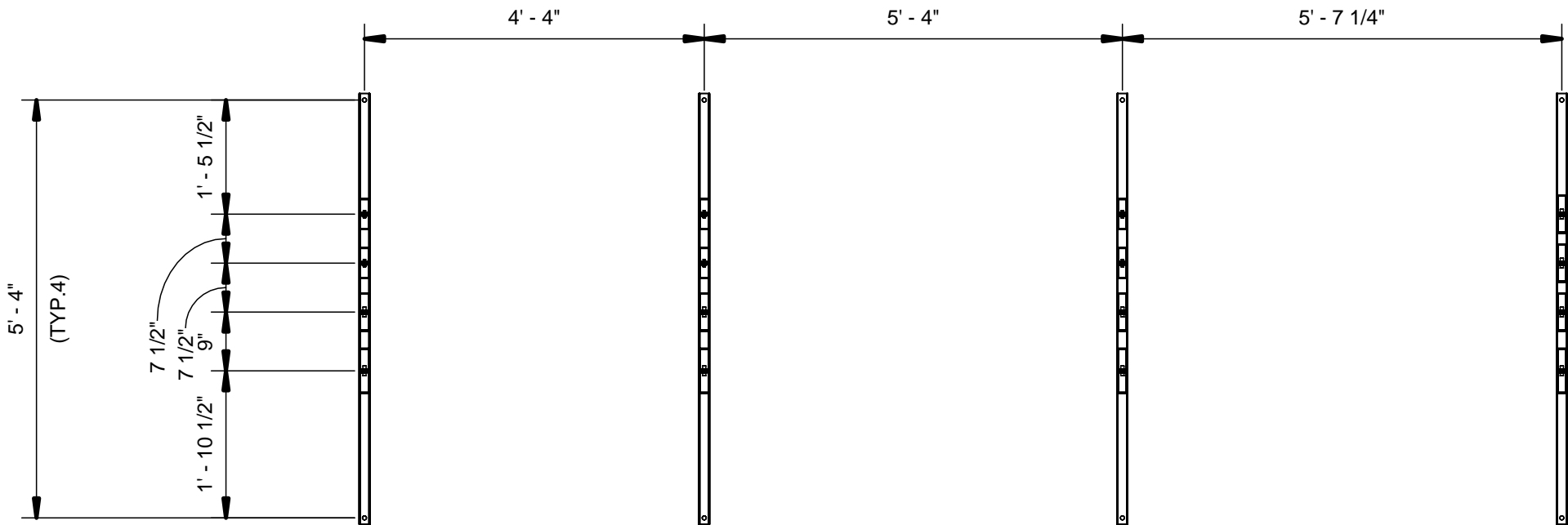
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4 5/8"

B Line #2058



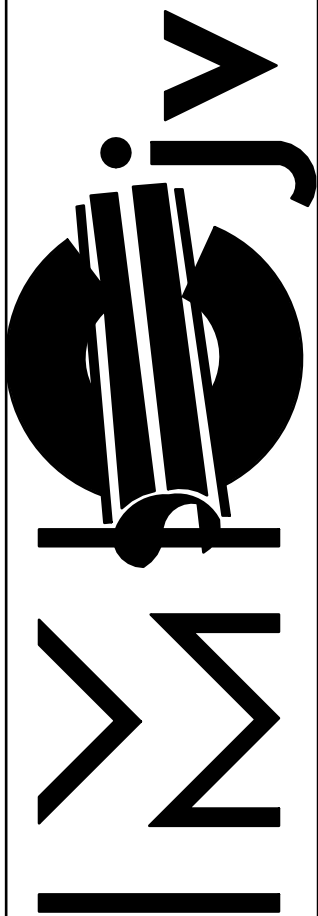
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

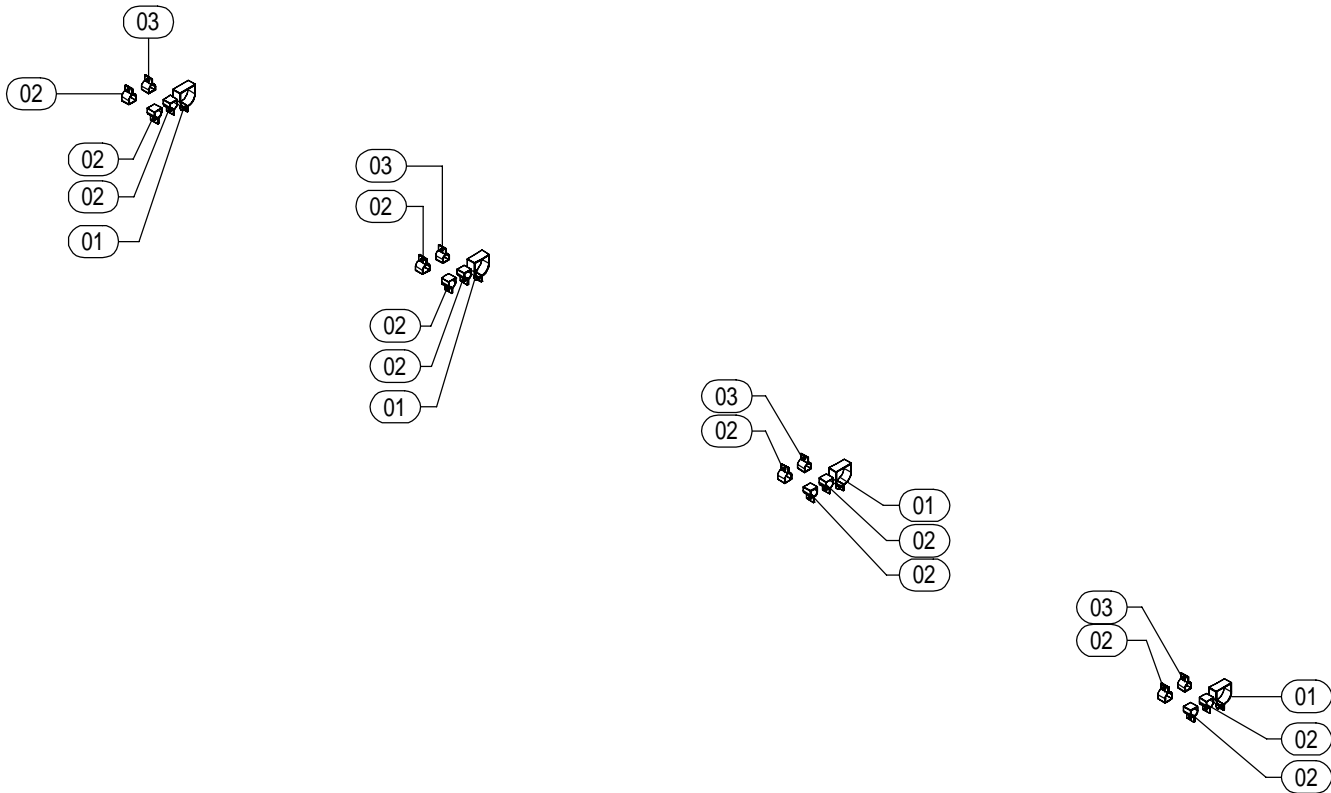
JOB:	WASH U NRB
TICKET:	HPHGR-L07-020
Drawn By: Author	
DATE: 11/22/21	DATE REQ:



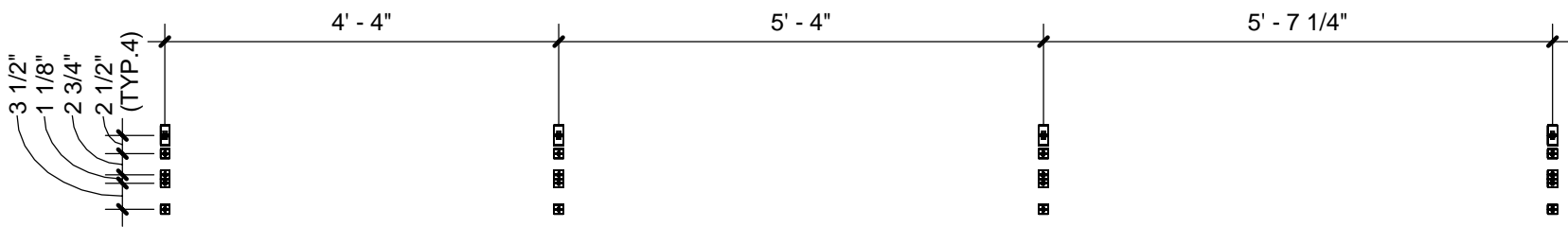
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
19-11-2021 01:24:43

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	4	2"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
02	12	0.75"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	
03	4	0.63"	B-Line BVT Series Vibra-Clamp Strut-Mnt Tube - ZN		0"		0"	

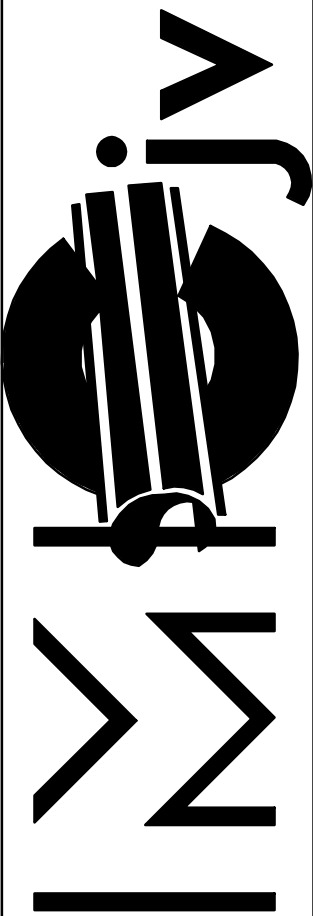


1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4



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JOB: WASH U NRB

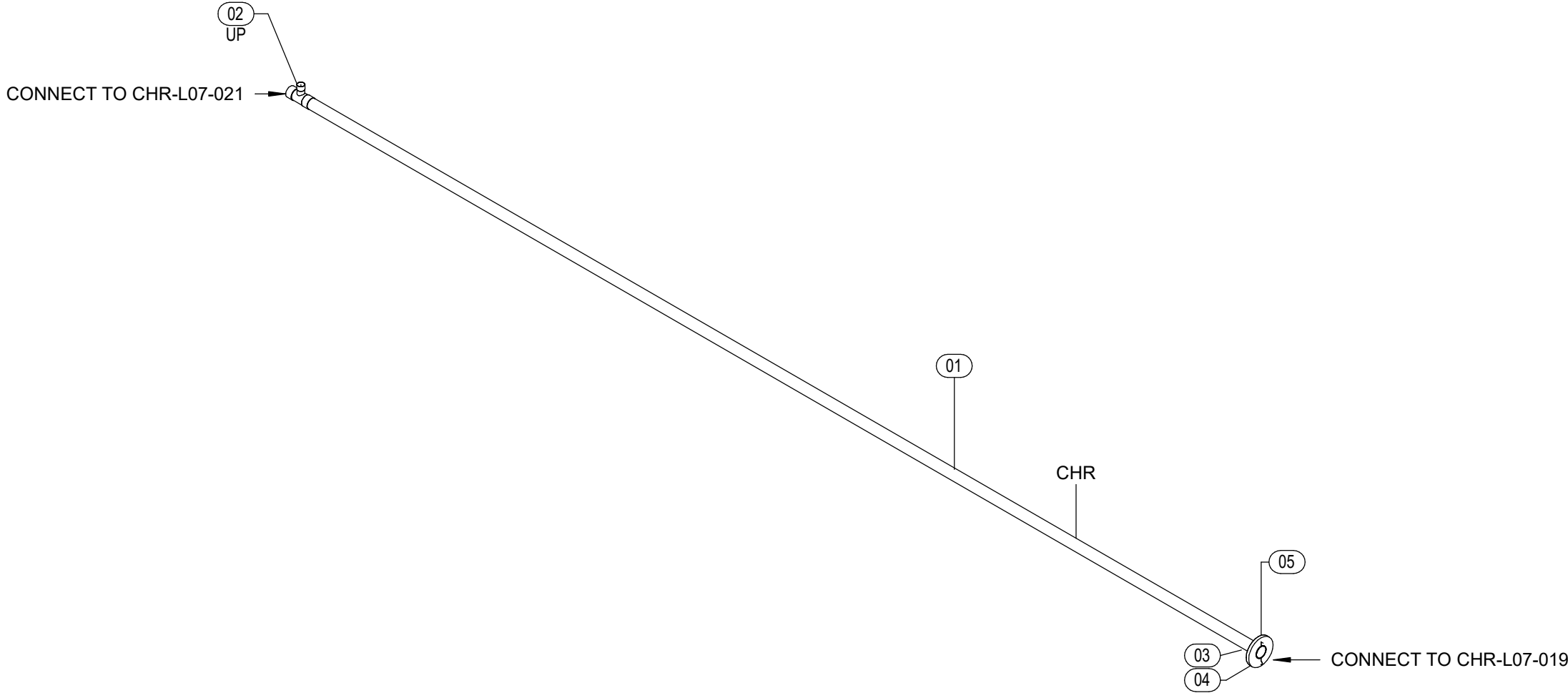
TICKET: PUHGR-L07-020

Drawn By: Author

DATE: 11/19/21 DATE REQ:

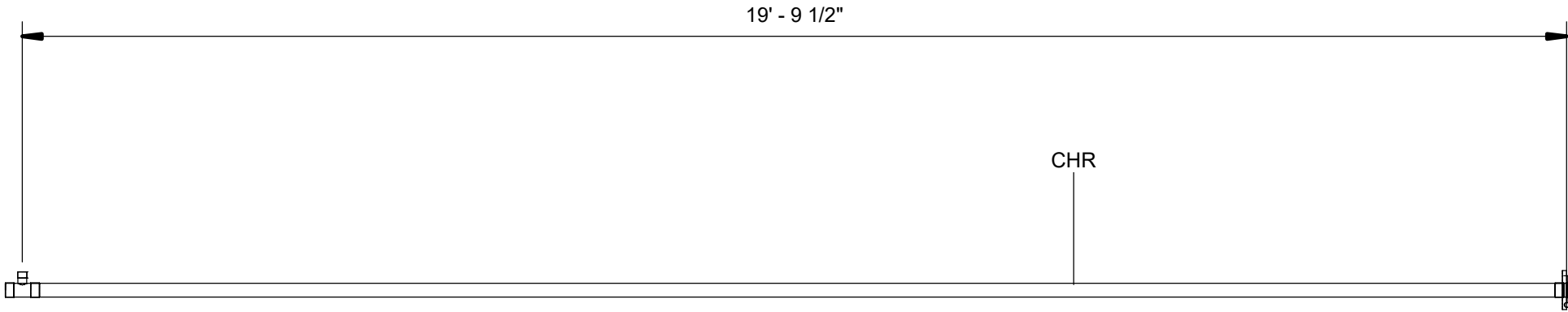
BIM 360://WUSM NRBWUSM_RB_HP.rvt
2/7/2022 3:49:54 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	19'-7 3/4"	1"
02	1	2"x1 1/4"	Nibco Wrot 611R CxCxC Reducing Tee		1"
03	1	2"	Nibco 150lb 672 2pc LF Compainion Flange		1"
04	1	2"	Generic 150# RF Garlock Gasket 1/16 Thick		1"
05	1	2"	Generic 150# CS Flange Bolt Set		



1 ISOMETRIC

SCALE:

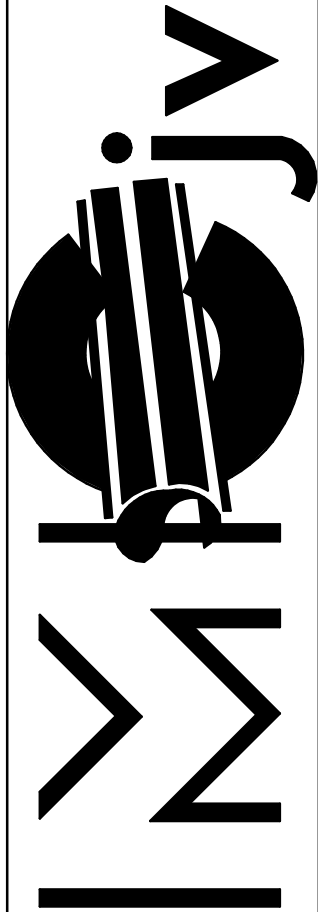


2 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

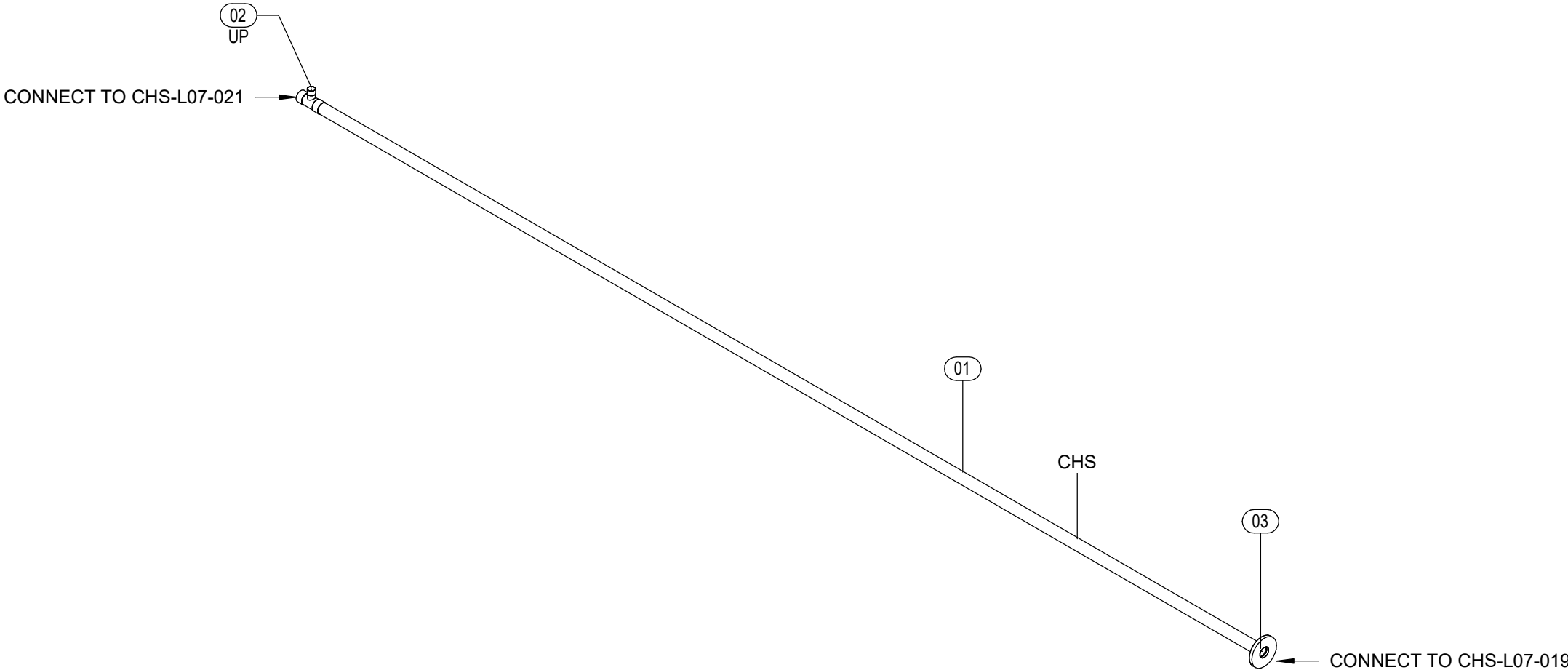
JOB: 210140 - WASH U NRB
TICKET: CHR-L07-020
Drawn By: Author
DATE: 12/01/21 DATE REQ:



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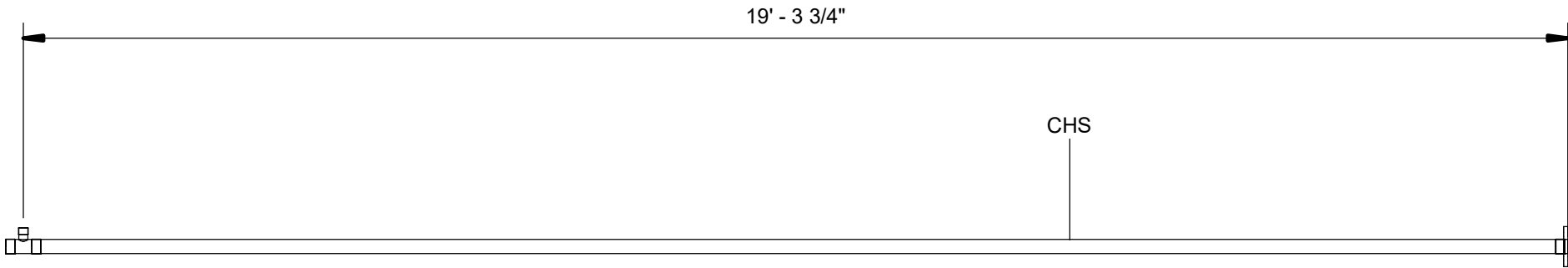
BIM 360://WUSM NRBWUSM_RB_HPF.rvt
2/7/2022 3:49:38 PM

Mark	Qty	Size	Description	Length	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	19'-2"	1"
02	1	2"x1 1/4"	Nibco Wrot 611R CxCxC Reducing Tee		1"
03	1	2"	Nibco 150lb 672 2pc LF Compainion Flange		1"



1 ISOMETRIC

SCALE:

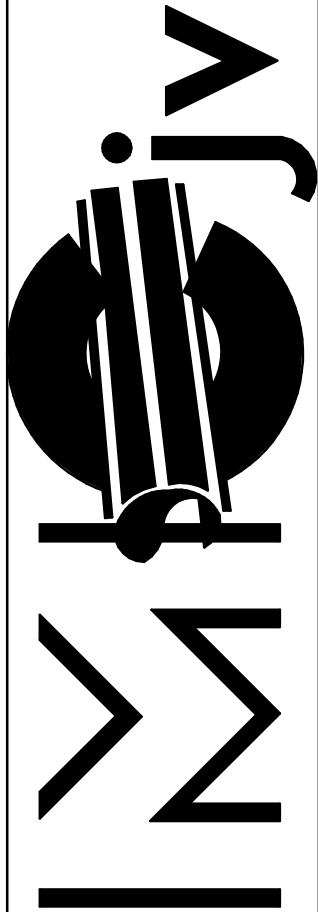


2 FRONT ELEVATION

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

A1	A3	B1	B3
A2	A4	B2	B4

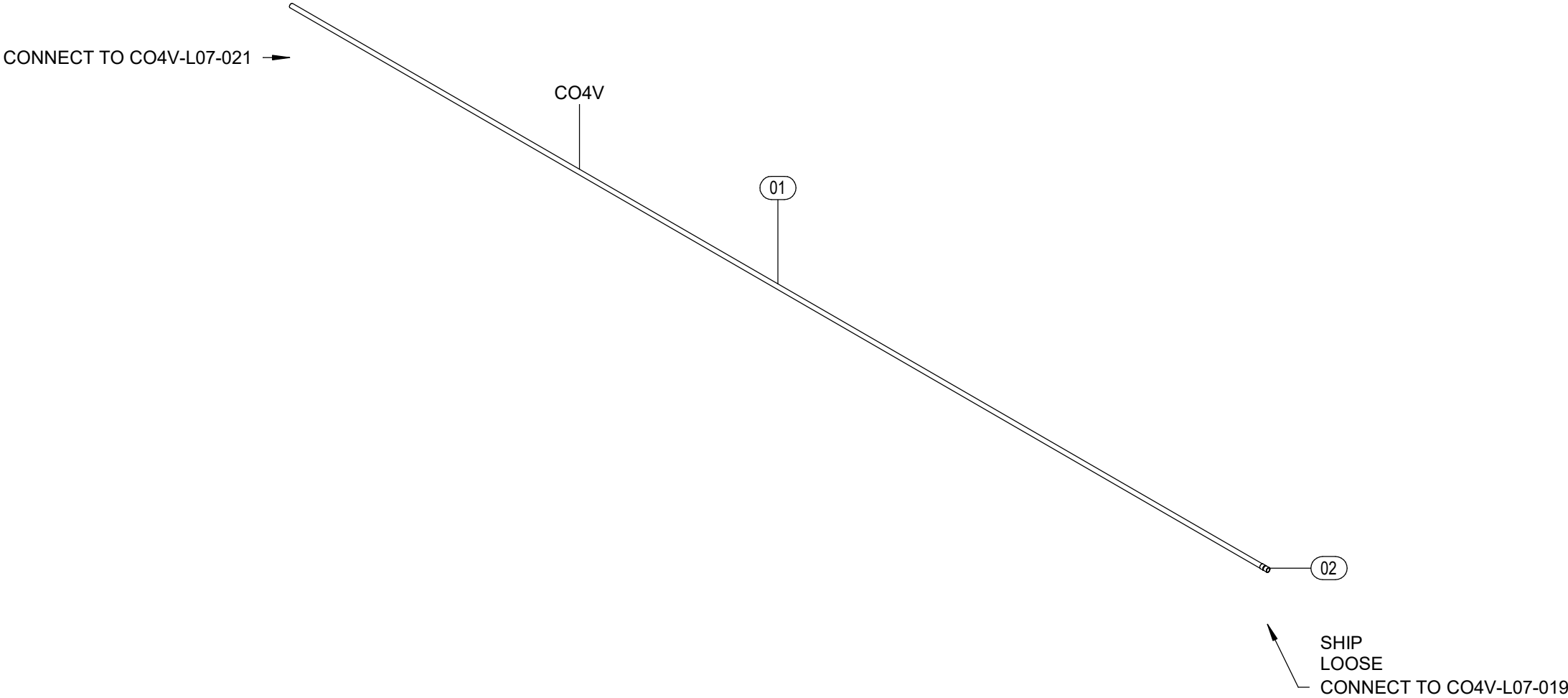
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TICKET:	CHS-L07-020
Drawn By: Author	
DATE: 12/01/21	DATE REQ:



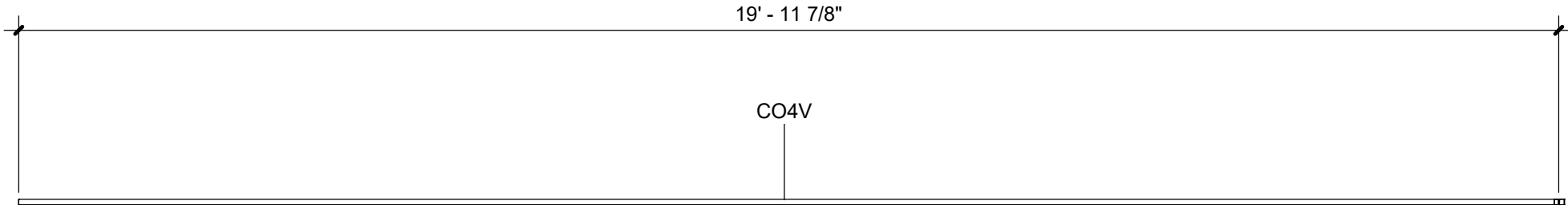
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRBWUSM_RB_PUF.rvt
2/1/2022 2:55:24 PM

Mark	Qty	Size	Description	Length	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 Staked Stop		



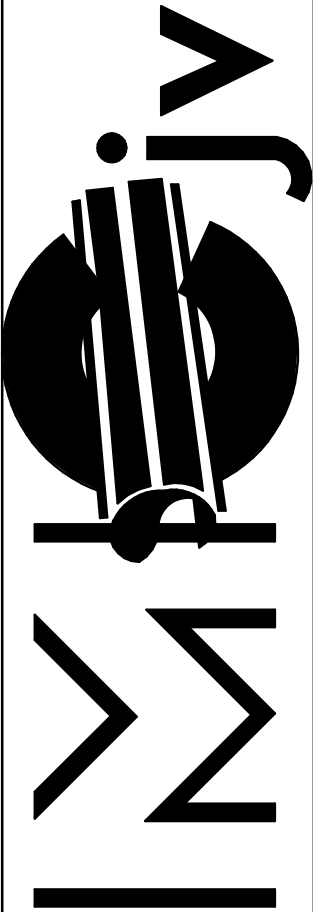
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

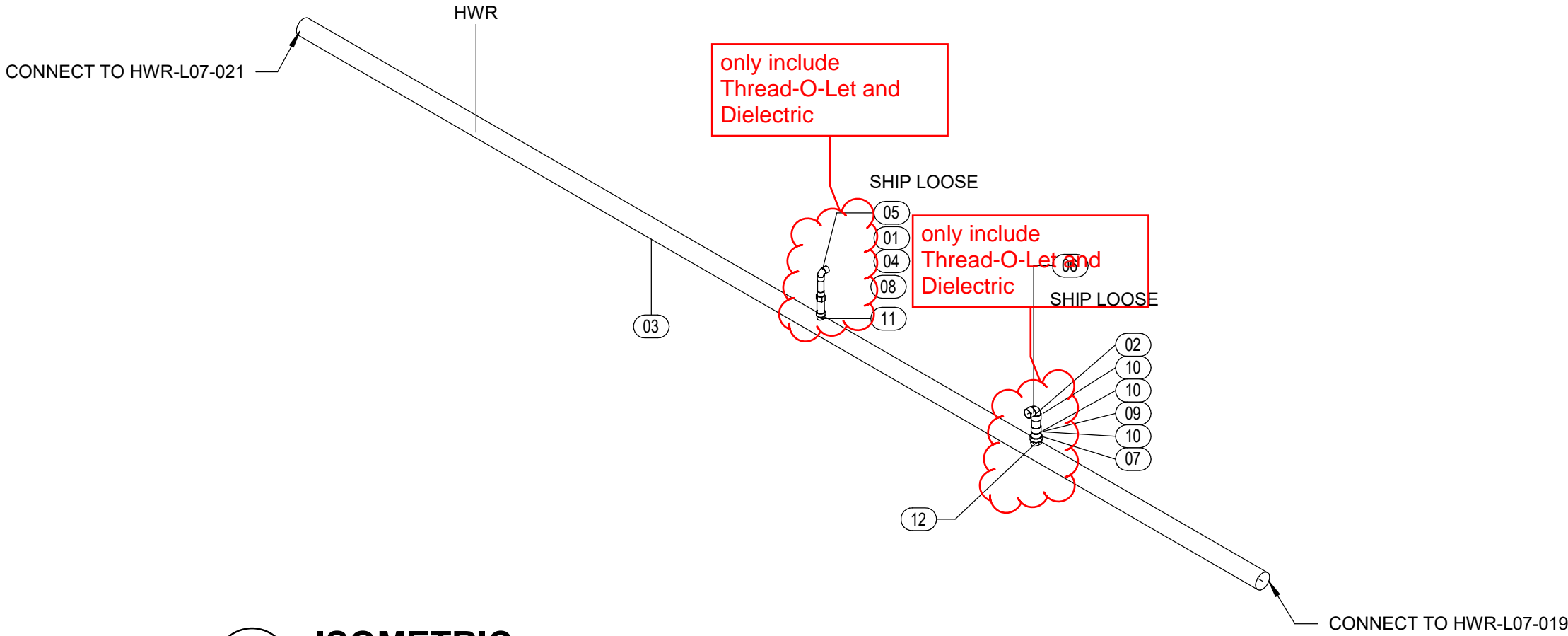
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TICKET:	CO4V-L07-020
Drawn By: Author	
DATE: 11/18/21	DATE REQ:



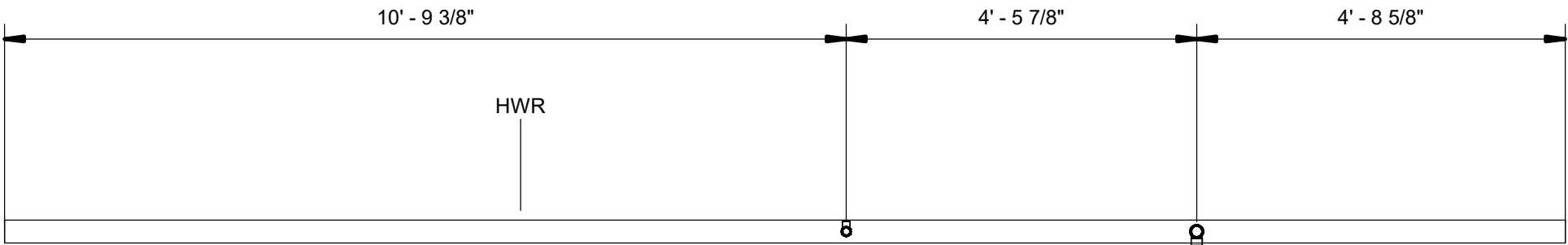
1233 N. Price Rd.
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BIM 360://WUSM NRBWUSM_RB_HPF.rvt
12/15/2021 10:52:25 AM

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1"	Geno Type K Hard Copper Pipe	0' - 4 3/16"				4"
02	1	1 1/2"	Geno Type K Hard Copper Pipe	0' - 3 3/4"				1"
03	1	3"	Chicago Area Sch 40 SA-53B CS ERW Pipe PE	20'-0"				1 1/2"
04	1	1"	Victaulic No.647 TT Dielectric Transition Fitting					1"
05	1	1"	Nibco Wrot 607 90 Deg Ell CxC					1"
06	1	1 1/2"	Nibco Wrot 607 90 Deg Ell CxC					1 1/2"
07	1	1 1/2"	Nibco Wrot 609 2 Flg Adapter CxF					1 1/2"
08	1	1	Nibco Wrot 605 Adapter CxF					1"
09	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"
10	3	1 1/2"	Genco Golder Joint					1 1/2"
11	1	3"x1"	Anvil 3000# FS Thread-O-Let					1"
12	1	3"x1 1/2"	Anvil 3000# FS Thread-O-Let					1 1/2"



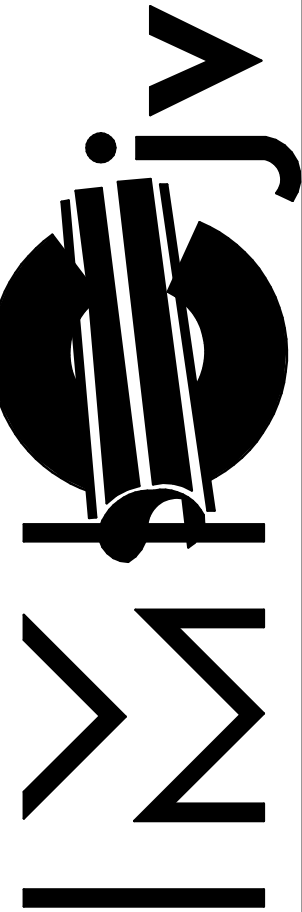
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

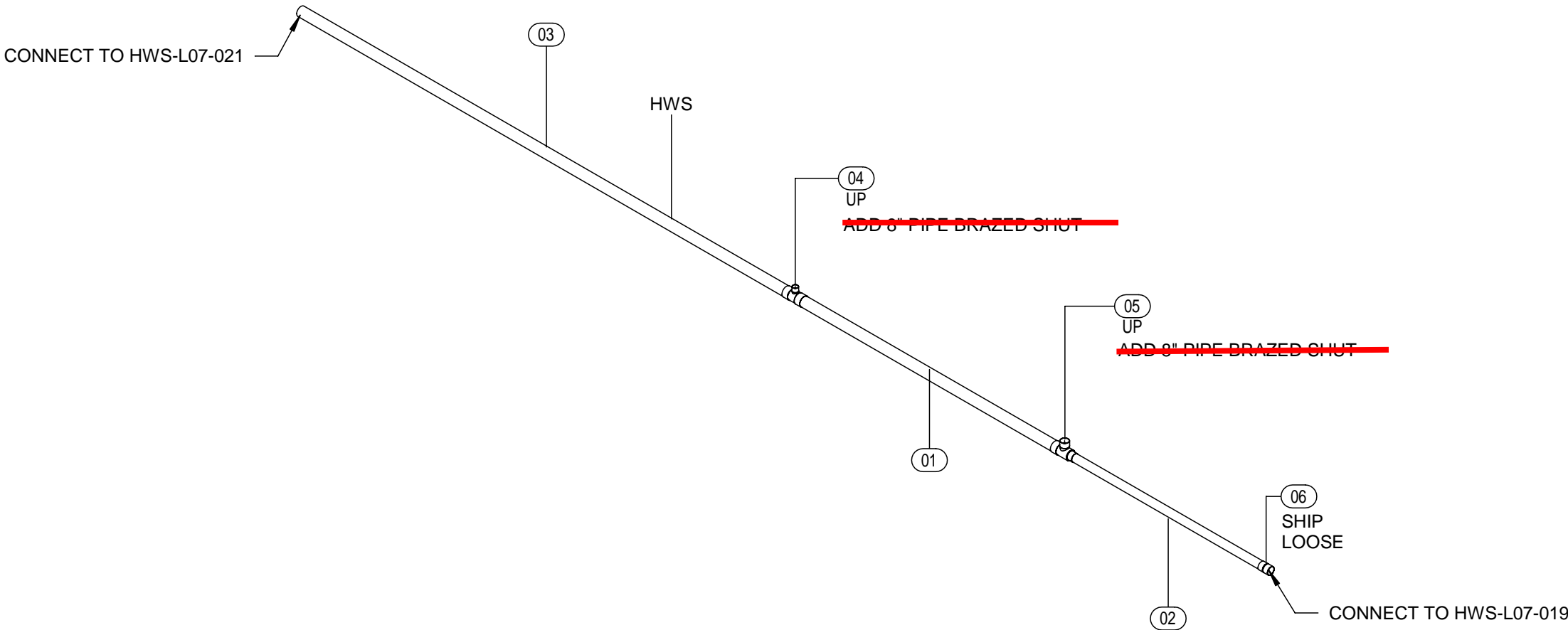
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TICKET: HWR-L07-020
Drawn By: Author
DATE: 11/22/21
DATE REQ:



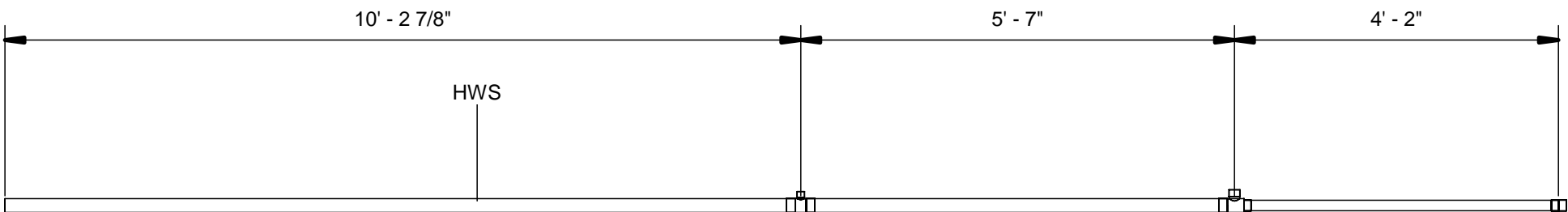
1233 N. Price Rd.
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BIM 360/WUSM NRBWUSM_RB_HPE.rvt
22-11-2021 11:25:43

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	2"	Cerro Type K Hard Copper Pipe	5'-5"				1 1/2"
02	1	1 1/2"	Cerro Type K Hard Copper Pipe	4'-0 9/16"				1 1/2"
03	1	2"	Cerro Type K Hard Copper Pipe	10'-2 1/16"				1 1/2"
04	1	2"x1"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
05	1	2"x1 1/2"	Nibco Wrot 611R CxCxC Reducing Tee					1 1/2"
06	1	1 1/2"	Nibco Wrot 600 Dimpled Stop Coupling CxC					1 1/2"



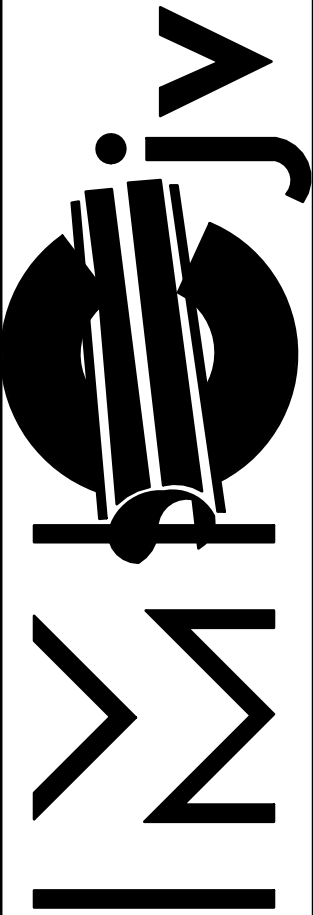
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

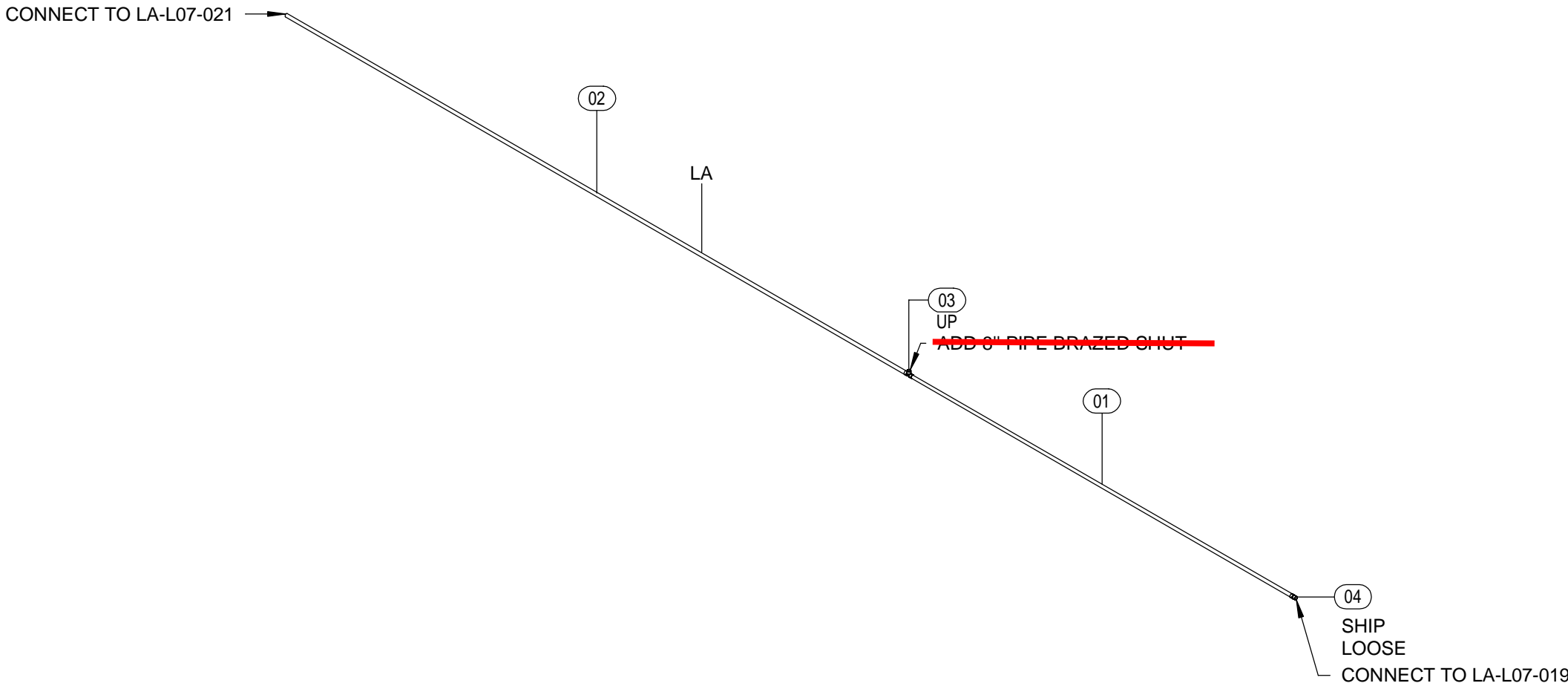
JOB:	WASH U NRB
TICKET:	HWS-L07-020
Drawn By: Author	
DATE: 11/22/21	DATE REQ:



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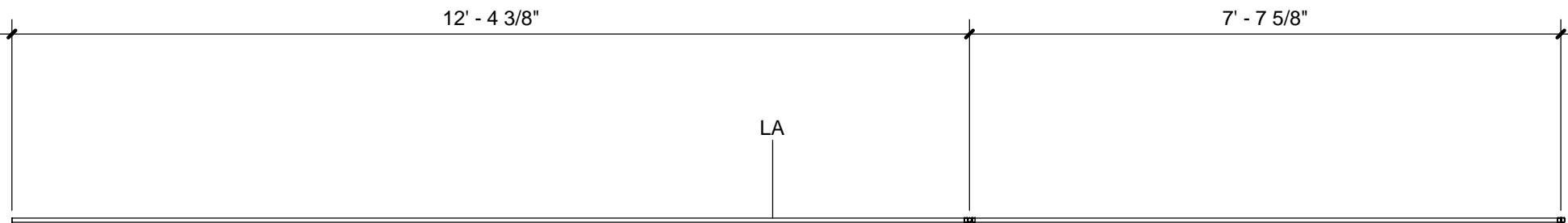
BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
18-11-2021 15:08:35

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	1/2"	Cerro Type L Hard Copper - CFOS	7'-7 1/4"				
02	1	1/2"	Cerro Type L Hard Copper - CFOS	12'-4 1/16"				
03	1	1/2"	Nibco 611-CB CFOS Wrot Copper Tee					
04	1	1/2"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



1 ISOMETRIC

SCALE:

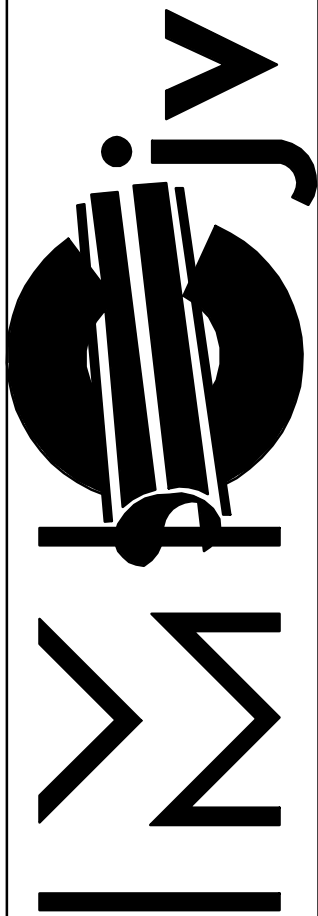


2 TOP VIEW

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

A1	A3	B1	B3
A2	A4	B2	B4

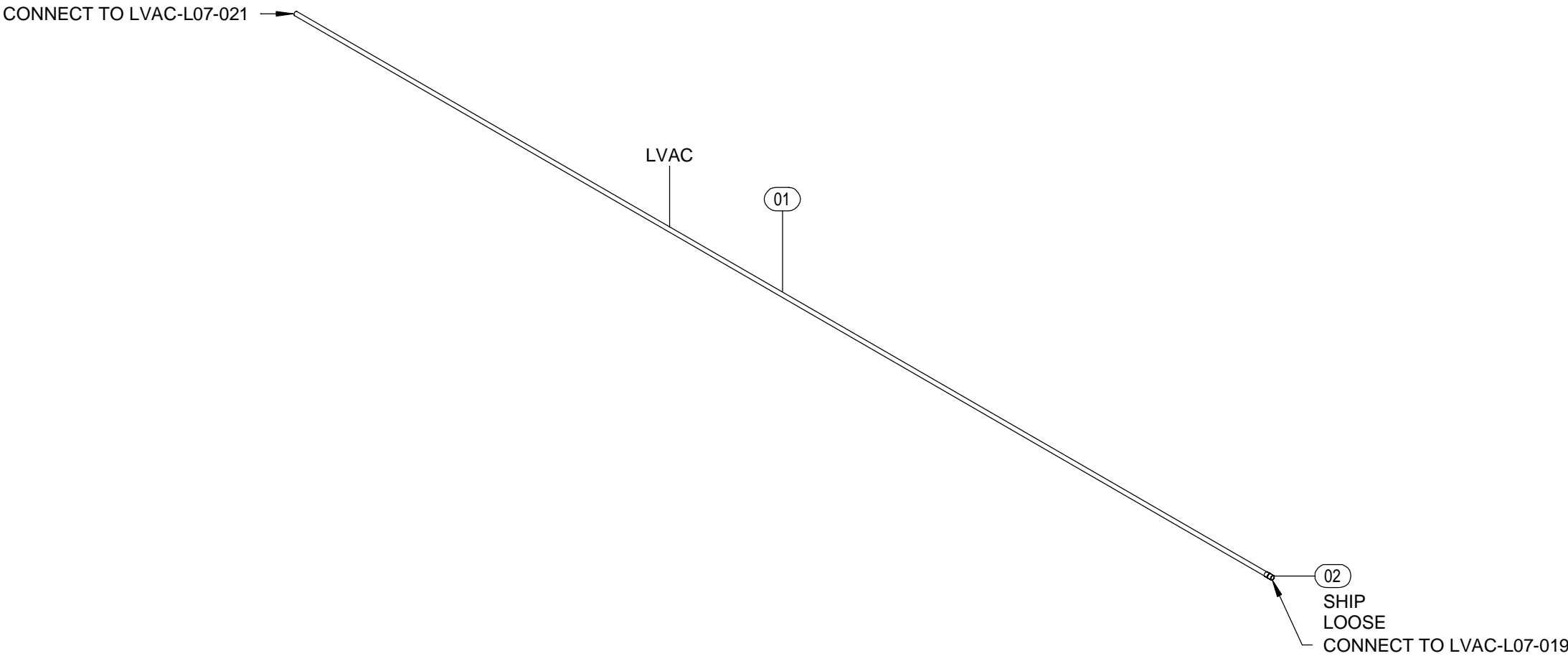
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TICKET: LA-L07-020
Drawn By: Author
DATE: 11/18/21
DATE REQ:



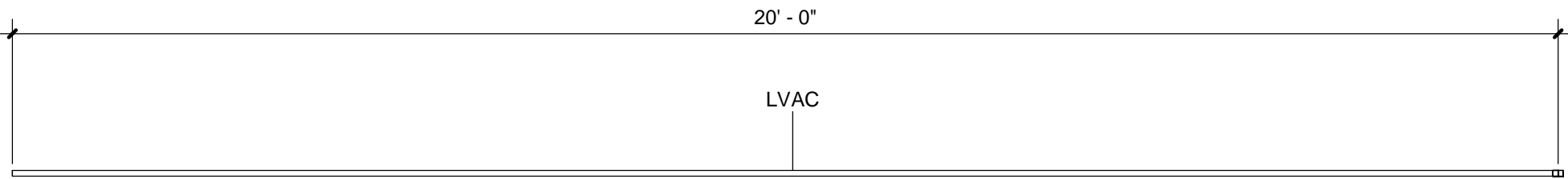
1233 N. Price Rd.
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BIM 360//WUSM NRB//WUSM_RB_PUF.rvt
18-11-2021 15:20:43

Mark	Qty	Size	Description	Length	Strut Width	Rob 1	Rob 2	Insulation
01	1	3/4"	Cerro Type L Hard Copper - CFOS	20'-0"				
02	1	3/4"	Nibco 600-DS-CB CFOS Wrot Copper Coupling Staked Stop					



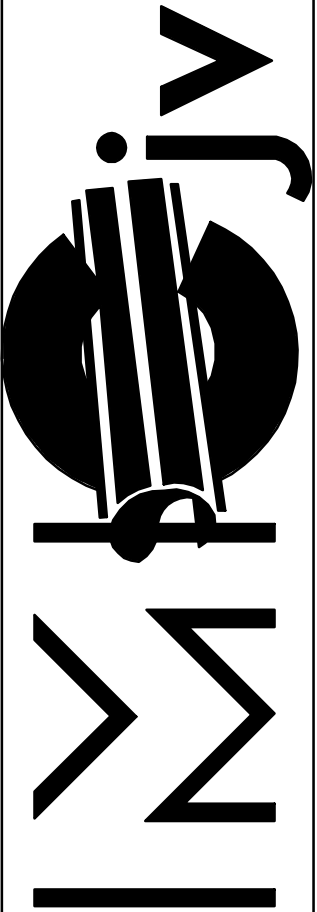
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

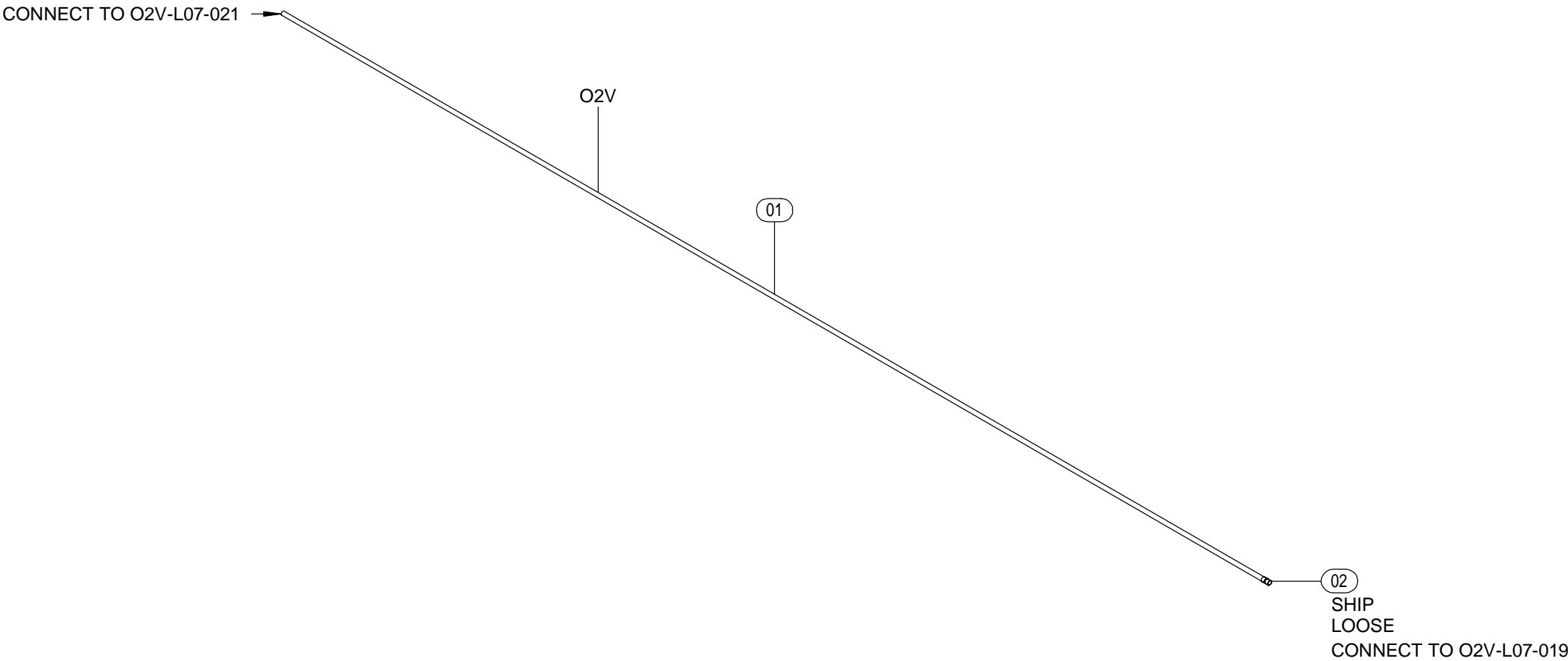
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TICKET:	LVAC-L07-020
Drawn By: Author	
DATE: 11/18/21	DATE REQ:



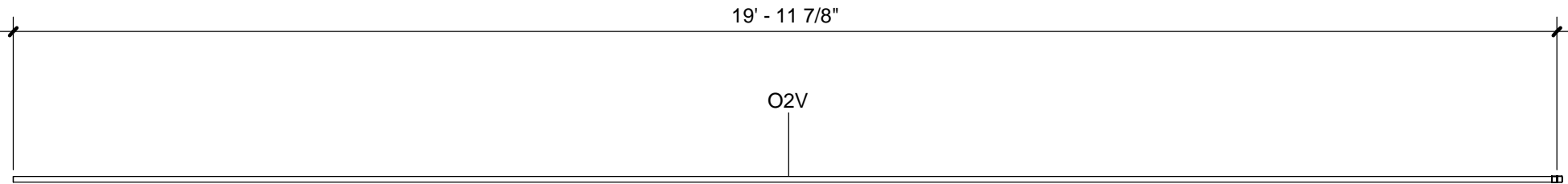
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
18-11-2021 15:02:58

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 Staked Stop					



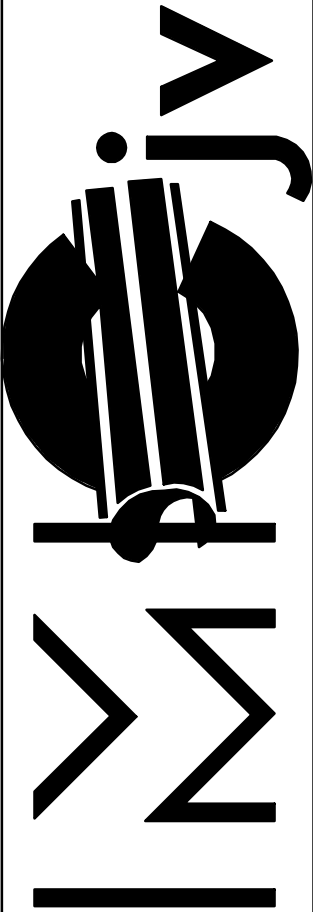
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

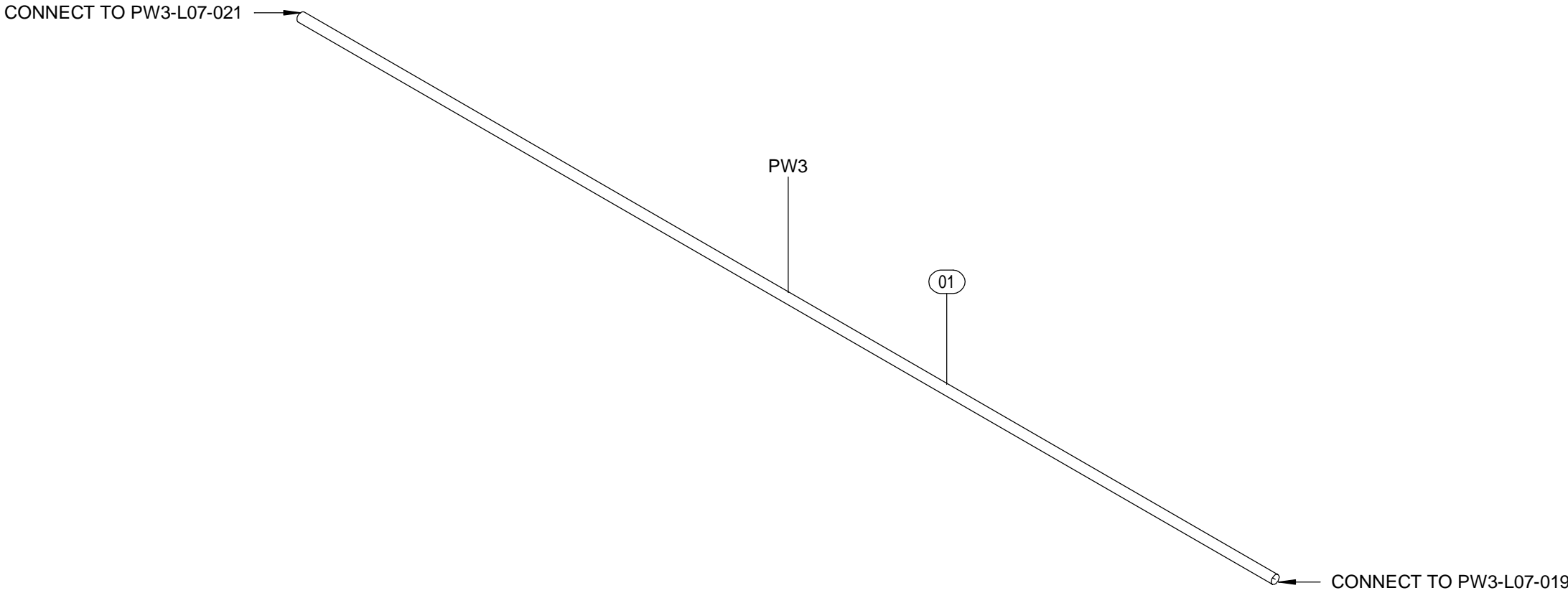
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TICKET: O2V-L07-020
Drawn By: Author
DATE: 11/18/21 DATE REQ:



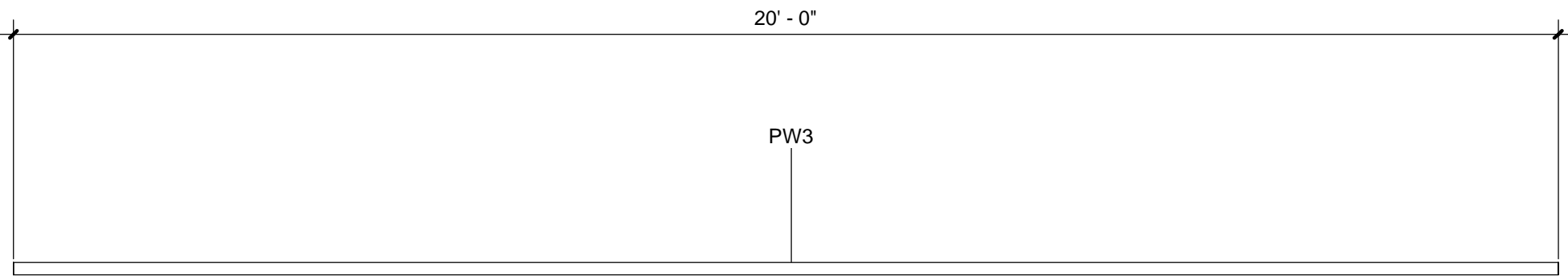
1233 N. Price Rd.
St. Louis, Mo 63132-2303
314-997-6600 phone

BIM 360://WUSM NRB\\WUSM_RB_PUF.rvt
18-11-2021 14:55:26

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"				



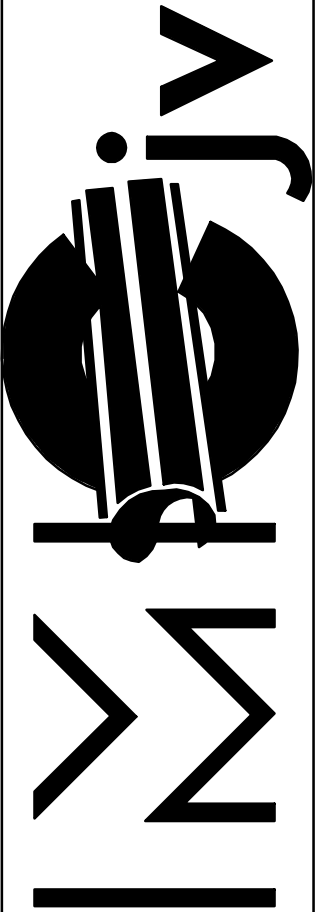
1 ISOMETRIC
SCALE:



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

A1	A3	B1	B3
A2	A4	B2	B4

JOB:	WASH U NRB
TICKET:	PW3-L07-020
Drawn By: Author	
DATE: 11/18/21	DATE REQ:



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